ISSN 0004-7139
VOL.9, 1978

INIS ATOMINDEX

AN INTERNATIONAL ABSTRACTING SERVICE

ИНИС АТОМИНДЕКС

CUMULATIVE INDEX

VOLUME 9
January - June 1978

Part: 1
Personal Author Index

INTERNATIONAL ATOMIC ENERGY AGENCY, VIENNA, 1978

The following States are Members of the International Atomic Energy Agency:

AFGHANISTAN
ALBANIA
* ALGERIA
* ARGENTINA
* AUSTRALIA
* AUSTRIA
* BANGLADESH
* BELGIUM
BOLIVIA
* BRAZIL
* BULGARIA
BURMA
* BYELORUSSIAN SOVIET SOCIALIST REPUBLIC
* CANADA
* CHILE
COLOMBIA
COSTA RICA
CUBA
CYPRUS
* CZECHOSLOVAKIA
DEMOCRATIC KAMPUCHEA
DEMOCRATIC PEOPLE'S REPUBLIC OF KOREA
* DENMARK
DOMINICAN REPUBLIC
* ECUADOR
* EGYPT
EL SALVADOR
ETHIOPIA
* FINLAND
* FRANCE
GABON
* GERMAN DEMOCRATIC REPUBLIC
* GERMANY, FEDERAL REPUBLIC OF
* GHANA
GREECE
GUATEMALA
HAITI
HOLY SEE
* HUNGARY
ICELAND
* INDIA
* INDONESIA
* IRAN
* IRAQ
* IRELAND
* ISRAEL
* ITALY
IVORY COAST
JAMAICA
* JAPAN
JORDAN
KENYA
* KOREA, REPUBLIC OF
* KUWAIT
LEBANON
LIBERIA
LIBYAN ARAB JAMAHIRIYA
LIECHTENSTEIN
LUXEMBOURG
* MADAGASCAR
* MALAYSIA
* MALI
MAURITIUS
* MEXICO
MONACO
MONGOLIA
MOROCCO
* NETHERLANDS
* NEW ZEALAND
NICARAGUA
NIGER
NIGERIA
* NORWAY
* PAKISTAN
PANAMA
PARAGUAY
* PERU
* PHILIPPINES
* POLAND
* PORTUGAL
* QATAR
* ROMANIA
SAUDI ARABIA
SENEGAL
SIERRA LEONE
SINGAPORE
* SOUTH AFRICA
* SPAIN
SRI LANKA
SUDAN
* SWEDEN
* SWITZERLAND
SYRIAN ARAB REPUBLIC
* THAILAND
TUNISIA
* TURKEY
UGANDA
* UKRAINIAN SOVIET SOCIALIST REPUBLIC
* UNION OF SOVIET SOCIALIST REPUBLICS
UNITED ARAB EMIRATES
* UNITED KINGDOM OF GREAT BRITAIN AND NORTHERN IRELAND
* UNITED REPUBLIC OF CAMEROON
UNITED REPUBLIC OF TANZANIA
* UNITED STATES OF AMERICA
URUGUAY
* VENEZUELA
* VIET NAM
* YUGOSLAVIA
ZAIRE
ZAMBIA

* Countries marked by an asterisk are those that by the day of edition of this document had formally indicated their willingness to participate in the International Nuclear Information System (INIS).

In addition the following international and regional organizations have formally accepted an invitation to participate in INIS:

Commission of the European Communities (EURATOM)
Council for Mutual Economic Assistance (CMEA)
European Organization for Nuclear Research (CERN)
Food and Agriculture Organization of the United Nations (FAO)
International Atomic Energy Agency (IAEA)
International Commission on Radiological Protection (ICRP)
International Organization for Standardization (ISO)
Joint Institute for Nuclear Research (JINR)
Nuclear Energy Agency (NEA)
Organization of African Unity (OAU)
United Nations (UN)
World Energy Conference (WEC)
World Health Organization (WHO)

The Agency's Statute was approved on 23 October 1956 by the Conference on the Statute of the IAEA held at United Nations Headquarters, New York; it entered into force on 29 July 1957. The Headquarters of the Agency are situated in Vienna. Its principal objective is "to accelerate and enlarge the contribution of atomic energy to peace, health and prosperity throughtout the world".

© IAEA, 1978

Printed by the IAEA
July 1978
STI/PUB/245

INTRODUCTION

The International Nuclear Information System (INIS)

INIS is a cooperative, decentralized information system set up by the International Atomic Energy Agency and its Member States. Its purpose is to construct a data base identifying publications relating to nuclear science and its peaceful applications. Member States and cooperating international organizations scan the scientific and technical literature published within their boundaries or by them, select from it those items which fall within the subject scope of INIS[1] and process the data according to the agreed standards and rules. Document descriptions, abstracts and, in certain cases, full texts of the literature are then submitted to the IAEA Headquarters, where those data are merged and the INIS output products compiled. The following services are issued:

- The INIS magnetic tape service
- **INIS Atomindex**: a semi-monthly abstracting journal[2]
- INIS non-conventional literature on microfiche[3]

Availability and price of INIS services

MAGNETIC TAPE SERVICE

This semi-monthly service, providing magnetic tapes containing all records submitted to the system, is available only to participating Member States and International Organizations. National INIS centres in many countries are utilizing INIS tapes in the provision of national information services. Available services vary from country to country and interested persons are requested to contact their national INIS Liaison Officer whose name and address appear on the inside cover of this journal.

INIS Atomindex

Available to the public on annual subscription. Prices for 1978 are:

(a) Yearly subscription including Cumulative Indexes (by surface mail)
US $150.00
additional rate for airmail (from Vienna):
US $120.00

(b) Yearly subscription: Issues Nos. 1–24 only (by surface mail)
US $110.00
additional rate for airmail (from Vienna):
US $90.00

(c) Yearly subscription: Cumulative Indexes only (by surface mail)
US $40.00
additional rate for airmail (from Vienna):
US $30.00

(d) Price per single issue of Nos. 1–24
US $5.00

Orders should be sent to:

Publishing Section
International Atomic Energy Agency
P.O. Box 590
A-1011 Vienna, Austria

in the United States of America to:

UNIPUB
P.O. Box 433, Murray Hill Station
New York, N.Y. 10016

INIS NON-CONVENTIONAL LITERATURE ON MICROFICHE

Available to the public. (See also the order form printed in the back of this issue).

Prices for 1978 are:

Standing orders:	US $0.20 per microfiche
Individual orders:	US $0.65 per document, irrespective of the number of microfiches contained in the document.

Orders should be accompanied by prepayment in the form of a cheque or in the form of IAEA Microfiche Service Coupons, and should be sent to:

INIS Clearinghouse
International Atomic Energy Agency
P.O. Box 590
A-1011 Vienna, Austria

BACK ISSUES

Back copies of most issues of **INIS Atomindex** published since April 1970 are still available.

Price per issue:	Vol. 1 to Vol. 5	US $1.50
	Vol. 6	US $2.00
	Vol. 7 and 8	US $5.00

Orders should be sent to the Publishing Section of the IAEA.

Prior to Volume 7, 1976, abstracts for most items were not printed in **INIS Atomindex** but were published on microfiche. Backsets of the INIS Abstracts on microfiche covering vols. 1 to 6 of **INIS Atomindex** are still available from the INIS Clearinghouse. Cost is US $45.00 per volume.

CUMULATIVE INDEXES

Cumulative indexes to **INIS Atomindex** are published twice yearly covering the twelve issue indexes published in the months of January to June and July to December. The present Cumulative Index covers issues 1–12 of Vol.9, i.e. the issues published from 1 January to 15 June 1978. It consists of:

Part 1: Personal Author Index;
Part 2: Corporate Entry Index,
Report, Standard and Patent Number Index,
Conference Index;
Part 3: Subject Index.

[1] The scope of INIS is defined by the scope of the IAEA's interests. Full details of the INIS scope are printed in IAEA-INIS-3, INIS: Subject Categories and Scope Descriptions. This is a publication in the INIS Reference Series which defines the standards and rules for INIS. Copies of all documents in the INIS Reference Series are available from the IAEA, Vienna.

[2] **INIS Atomindex** is prepared from the semi-monthly INIS magnetic tapes by computer-driven photocomposition methods. The bulk of the information contained in the magnetic tapes is printed in **INIS Atomindex**. The major exception to this are the subject descriptors, whose main use is for computer-searching. These are omitted from all **INIS Atomindex** entries that are accompanied by abstracts.

[3] In INIS, "non-conventional literature" is defined as all literature other than journal articles or commercially published books.

Previous Cumulative Indexes have been published, as follows:

Issues Covered	Price
Vol. 1, No. 1–Vol. 3, No. 4	US $12.00
Vol. 3, Nos. 5–12	US $8.00
Vol. 4, Nos. 1–12	US $5.00
Vol. 4, Nos. 13–24	US $5.00
Vol. 5, Nos. 1–12	US $7.50
Vol. 5, Nos. 13–24	US $7.50
Vol. 6, Nos. 1–12	US $12.50
Vol. 6, Nos. 13–24	US $12.50
Vol. 7, Nos. 1–12	US $20.00
Vol. 7, Nos. 13–24	US $20.00
Vol. 8, Nos. 1–12	US $20.00
Vol. 8, Nos. 13–24	US $20.00

Back copies of the above are still available. In addition, a 5-year Cumulative Report, Standard and Patent Number Index, Covering Vol.3, No.5–Vol.8, No.12, is available. Price: US $9.50.

Orders should be sent to the Publishing Section, IAEA.

How to use this Cumulative Index

Each index entry refers to the RN (reference number) of the appropriate main entry in an issue of **INIS Atomindex**. The range of RNs in the issues covered by this cumulation is as follows:

RN 348570–RN 350464	Vol.9, No. 1
RN 350465–RN 353028	Vol.9, No. 2
RN 353029–RN 355714	Vol.9, No. 3
RN 355715–RN 358625	Vol.9, No. 4
RN 358626–RN 361241	Vol.9, No. 5
RN 361242–RN 363745	Vol.9, No. 6
RN 363746–RN 366237	Vol.9, No. 7
RN 366238–RN 368508	Vol.9, No. 8
RN 368509–RN 371334	Vol.9, No. 9
RN 371335–RN 374546	Vol.9, No.10
RN 374547–RN 376882	Vol.9, No.11
RN 376883–RN 380166	Vol.9, No.12

Personal Author Index

The name of each personal author of every document cited is listed in the form in which it appears in the main entry. Hence, an author's name may appear more than once, depending on whether a forename is spelled out or only initials are given. Note also that names preceded by "name fragments", such as "de", "van", "von", etc., may appear either under the name fragment or under the main part of the name, depending on local practices for treating such names.

Each entry gives the full title of the document and the RN of the main entry for that document. If the document is a technical report or patent document, the report number or patent number is given in brackets, following the title.

Examples:

Berg, B.
Additional conservation laws in the Thirring model. 264528
Particle number conservation in the massive Thirring model. 264527

Berg, C.J.M. van den
Coded aperture imaging and the introduction of the modulated zone plate in nuclear medicine. (CEA–CR–6) 251473
A refocussing filter based on Fridman's theorem, applied to Tl–201 myocardial scintigrams. (CEA–CR–6) 251497

Van De Woestijne, K.P.
Horizontal gradient in ventilation distribution due to a localized chest wall abnormality. 255646

Van den Berg, J.A.
Equilibrium studies of the uranyl oxalate system in acidic aqueous solution. 270151

Corporate Entry Index

The names of corporate entries are listed in the form specified in INIS: Authority List for Corporate Entries and Report Number Prefixes (IAEA-INIS-6). Whenever appropriate, references are made from superseded forms of the corporate names, or from forms that have not been adopted, to the forms of the names used in this index. Note, however, that index entries are not included for corporate bodies cited only as an author's affiliation.

Each entry gives the full title of the document for which the corporate body is responsible, and the RN for the main entry of that document. If the document is a technical report or patent document the report number or patent document number is given in brackets, following the title.

Examples:

Aerojet Energy Conversion Co., Sacramento, Calif. (USA)
Fluid bed dryer and Aeropep solidification system. 229118
Fluid bed dryer and Aeropep solidification system. Amendment 1 to topical report. 220568

INSA, 69 – Villeurbanne (France)
See Institut National des Sciences Appliquees (INSA), 69 – Villeurbanne (France)

Institut National des Sciences Appliquees (INSA), 69 – Villeurbanne (France)
Course on heat transfer. 228702, 230962, 233713
Creep and relaxation in steels. 245790, 245797, 245799, 245812
Current methods for studying gas–surface interactions. 229712, 231577, 234497, 234562, 238367
Industrial applications of electron beam bombardment. 225876, 227736, 227751
Non–destructive testing using special techniques. Degree III: engineers. 229087, 229088
Non–destructive testing: magnetoscopy, liquid penetrant inspection, eddy current testing. Degree III: engineers. 229086
Non–destructive testing: ultrasonic waves. Degree III: engineers. 229089

Conference Index

This index is divided into two parts. The first part is arranged in chronological order by the date of the meeting. Other information given includes the place (city or town) where the meeting was held, the name of the meeting, and the RN's of the main entries for all documents presented at, or resulting from the meeting and listed in the issues of **INIS Atomindex** covered by this cumulation.

The second part of the index repeats the above information but this time the entries are arranged in alphabetical order by the name of the place in which the meeting was held.

Examples:

76 Mar 1. Toulouse, France. International colloquium on solar electricity. 293922.
76 Mar 2. Golden, Colorado, USA. Interagency Mechanical Operations Group meeting. 283257, 284029.
76 Mar 9. Dublin, Ireland. International conference on physics in industry. 297370, 297379, 297384, 297541, 298153, 298173, 298178, 298182, 298205, 298744, 299136, 299319, 299353, 299364, 299477, 299831, 299921, 299944, 300058.

Glasgow, UK. 76 Apr 7. Annual Chemical Congress. 287782.
Goettingen, Germany, F.R. 75 May 26. 4. German symposium on nuclear law. 290006, 290325, 290329, 290341, 290346, 290349, 290350, 291073, 291075, 291076, 291077, 291078, 291079, 291080, 291081, 291082, 291083, 291084, 291085, 291086, 291087, 291088, 291089, 291090, 291091, 291093, 291094.
Golden, Colorado, USA. 76 Mar 2. Interagency Mechanical Operations Group meeting. 283257, 284029.

Report, Standard and Patent Number Index

Entries for publications are arranged according to the number assigned to them by the organizations or institutions responsible for their production or distribution. If a document has not been assigned a reference number at the source, it is assigned an INIS-mf– number by the INIS Secretariat. Patent numbers are listed under the general heading PATENTS.

Each index entry gives the RN for the main entry of the document and a note indicating its availability. If this note consists of, or contains the acronym "INIS", a microfiche copy of the document is available from the INIS Clearinghouse. Otherwise a source from which a copy of the document may be obtained is given. On occasion, the availability of the document in another form is also indicated. See also the section headed "How to obtain copies of documents cited in INIS Atomindex", below.

Examples:

CEA-CONF
CEA-CONF–3695 313867 Copies available from Service de Documentation, CEN Saclay, BP No2, 91190 Gif-sur-Yvette (France).

D
D-456228
See N–76-22136

DIN
DIN–25403(Pt.4) 315707 Publisher

DOCKET-STN-5056
DOCKET-STN-50568–1 316143 INIS

DP
DP–1452 315036 INIS

Subject Index

Each document listed in **INIS Atomindex** is entered under one or more alphabetically listed subject headings. These are constructed from descriptors selected from among those assigned to the magnetic-tape record for the document, and usually consist of a pair of descriptors, one used as a main heading and the second as a qualifier of that main heading. The main headings are selected to describe as specifically as possible an important concept in the document, and the qualifiers are selected to provide further information about the main heading. Occasionally, a document is so general or covers so many aspects of the concept represented by the main heading that the use of a qualifier is not appropriate. The full index entry includes, in addition to the title of the document, the one or more subject categories that have been assigned to the document (printed in brackets), and the RN of the main entry for the document. Additional information on the content of the document may be included within the brackets with the categories as an augmentation of the title.

The subject index also includes references from terms not adopted for indexing to the approved terms (descriptors) under which information may be found (**see** references); **see also** references are intended to guide the index user from one subject heading to another under which related material may also be indexed.

For additional guidance to subject headings under which references of interest might be found, see INIS: Thesaurus (IAEA-INIS-13).

Examples:

ALVEOLI (PULMONARY):
See LUNGS
AMERICIUM:
electric conductivity
The electrical resistivity of ^{241}Am metal. (B22). 354557
AMERICIUM COMPOUNDS:
ion exchange chromatography
Separation of Am, Cm and rare-earths on the colloidal fraction of an anion-exchange resin deposited on an inert carrier. (B13). 354400
Separation of Am, Cm and rare-earths by continuous two-dimensional ion-exchange chromatography. (B13). 354405
AMERICIUM ISOTOPES:
See also AMERICIUM 241
AMERICIUM 241:
clearance
Decorporation of ^{241}Am and ^{252}Cf by Ca-DTPA from rat, Syrian and Chinese hamster. (C21). 354868
electric conductivity
The electrical resistivity of ^{241}Am metal. (B22). 354557
internal irradiation
The dosimetry of ^{241}Pu reconsidered. (C55). 355044
AMIDES:
See also ACRYLAMIDE
AMINES:
See also ANILINE; HYDROXYLAMINE; TRYPTAMINES
liquid column chromatography
Use of high performance liquid chromatography to separate very small quantities of radio-labelled metabolites from biological tissue. (C42; Acaricides; amitraz). 354909
AMINO ACIDS:
See also CYSTEINE; DTPA; FOLIC ACID; KYNURENINE; THYROXINE; TRYPTOPHAN
AMINOBENZENE:
See ANILINE
AMMONIA:
electron-molecule collisions
Differential cross sections for 35keV electrons elastically scattered from NH_3. (A12). 353297
AMMONIUM COMPOUNDS:
neutron diffraction
Studying the rotation of the NH_4 ion in ammonium chloride by means of high-resolution neutron spectroscopy. (A13, B12). 353495

How to obtain copies of the documents cited in INIS Atomindex

Copies of the technical reports, conference preprints, patents, standards and theses (i.e. non-conventional literature) are normally available in microfiche format from the INIS Clearinghouse. For those items of non-conventional literature which are not available from the INIS Clearinghouse, the Report, Standard and Patent Number Index entry provides information regarding availability from another source or in another form.

Most of the conventional, commercially published literature abstracted in **INIS Atomindex**, including books and journal articles, may be found in major libraries around the world. However, enquirers having difficulty in obtaining access to any of the literature cited in **INIS Atomindex** should seek the assistance of the national INIS Liaison Officer in their country (a list of Liaison Officers is printed on the inside covers of this index). For publications issued in particular countries, enquiries may also be made to the organizations listed below.

Algeria

Source: INIS Liaison Officer for Algeria

Availability: Photocopies and microfiches of Algerian nuclear literature supplied to centres in many countries on an exchange basis.

Australia

Source: INIS Liaison Officer for Australia

Availability: INIS non-conventional literature on microfiche: $0.50 per duplicate microfiche (incl. postage)
AAEC reports: $2.00 to $10.00 depending on size (+postage)
Photocopies (subject to copyright restrictions): $0.10 per page + postage

Austria

Source: INIS Liaison Officer for Austria

Availability: SGAE reports: Free of charge
Photocopies of Austrian journal articles in nuclear sciences: free of charge

Bangladesh

Source: INIS Liaison Officer for Bangladesh

Availability: Photocopies of Bangladesh Publications

Belgium

Source: The Library
Centre d'Etude de l'Energie Nucléaire
CEN/SCK, Boeretang 200
B-2400 Mol

Availability: Microfiches: BF 17.50 per microfiche (incl. postage)
Photocopies: BF 5.00 per page

Brazil

Source: INIS Liaison Officer for Brazil

Availability: Documents free of charge on exchange basis

Bulgaria

Source: INIS Liaison Officer for Bulgaria

Availability: Photocopies of all documents free of charge

Canada

Source: INIS Liaison Officer for Canada

Availability: AECL reports: variously priced
Photocopies (subject to copyright restrictions): $2.00 for first 10 pages; $0.20 for each additional page

Chile

Source: The Library, Chilean Nuclear Energy Commission
Casilla 188 D, Santiago de Chile

Availability: Reports: free of charge to institutions on request
Photocopies of journal articles: free of charge
Photocopies of dissertations: charge depends on number of pages copied

Czechoslovakia

Source: INIS Liaison Officer for Czechoslovakia

Availability: Hard copies and/or photocopies: price on application

Denmark

Source: INIS Liaison Officer for Denmark

Availability: Inter-library loans: free
Photocopies of Danish nuclear literature: free on request by national INIS centres; charge for others $0.10 per copy

Finland

Source: INIS Liaison Officer for Finland

Availability: Photocopies: FMK 6.00 for 10 pages
BLLD coupons also accepted

France

Source: Direction de la Documentation Française
31 Quai Voltaire 75340
Paris, Cedex 07

Availability: Reports. Price varies commencing from FF 4.00

Source: Service de Vente de l'Imprimerie Nationale
Route d'Auby, 59128 Flers-en-Escrebieux

Availability: Patents. Price: FF 3.00 (+postage)

Source: INIS Liaison Officer for France

Availability: Reports. Free on an exchange basis;
copies for sale: price varies according to size.
Photocopies of articles in French journals;
available on request by national INIS Liaison Officers only.

German Democratic Republic

Source: INIS Liaison Officer for the German Democratic Republic

Availability: Microfiche copies: free of charge

Germany (Federal Republic)

If the demand for literature cannot be met on the basis of the national or international acquisition or loan service, the INIS Liaison Officer for the Federal Republic of Germany will take over the function of helping to acquire, trace and/or exchange conventional and non-conventional literature, subject to copyright restrictions.

Hungary

Source: Technoinform
Foreign Trade Department of the Hungarian Central Technical Library and Documentation Centre
1428 Budapest, P.O. Box 12

Availability:

Hard copies:	US $0.20 per page
35 mm microfiche:	US $0.10 per page
Microfiche (60 frames):	US $2.50 per fiche
Minimum charge:	US $4.00

India

Source: INIS Liaison Officer for India

Availability: 35 mm negative microfilm: US $2.00 for first 20 pages; US $1.00 for each additional 10 pages

Indonesia

Source: INIS Liaison Officer for Indonesia

Availability: Photocopies: US $0.50 (incl. postage). Payment may be made in IAEA microfiche coupons to equivalent value

Iran

Source: Nuclear Information Centre
Library Photocopy Services
P.O. Box 14-1673, Tehran, Iran

Availability: Photocopies: 20 R/S per page (incl. air mail postage)

Israel

Source: INIS Liaison Officer for Israel

Availability: Full size copies of non-conventional literature $4.00. If the originals are out of print, photocopies may be obtained at $1.00 per 10 pages. Conventional literature should be ordered from the publisher.

Italy

Source: INIS Liaison Officer for Italy

Availability: Italian documents
Photocopies (full size): 100 Lire per page
Micronegatives: 400 Lire each for first three;
200 Lire each for every additional one.
Print-outs from original micronegatives: 100 Lire per print-out covering 3 frames

Japan

Source: Japan Information Center of Science and Technology
P.O. Box 1478, Chuo-Yubin-Kyoku
Tokyo 100-91
Telephone: (03) 581-6411

Availability: Photoduplication service is provided upon request from the JICST's holdings and other organizations' collections of scientific and technological documents (periodicals, technical reports, etc.) except patents.
Photoduplication (xerox) Fee (including air-mail charge)
US $6.00 for each 50 pages or fraction thereof, copied from a single article.
Additional and Special Acquisition Fee
In case the requested items are needed to be acquired from other organizations, a service charge of US $3.50 per item is added.

Notes:

1. Mail requests may be sent by letter, American Library Association's Photocopying Form or JICST order form (available upon request). Each item should be requested on a separate JICST form.

2. Payment for Service
Orders received on official letterhead or ALA or JICST form will be invoiced. Both photocopied materials and invoice will be sent by air-mail.

Source: Japan Patent Information Center
Bansui Bldg. 3, Shiba Kotohira-Cho,
Minato-ku, Tokyo 105
Telephone: (03) 503-6181
Telex: J24987 JAPATIC

Availability: Hard copies of Application Patents are available from the JAPATIC at the price given with the abstract entry.

Mexico

Source: INIS Liaison Officer for Mexico

Availability: Photocopies of all documents free of charge to INIS member countries only.

Netherlands

Source: Library, Royal Academy of Arts and Sciences
KNAW, Kloveniersburgwal 29, Amsterdam 1001
Telephone: 020 222902
Telex: 18766

New Zealand

Source: INIS Liaison Officer for New Zealand

Availability: Will attempt to provide photocopies of documents. A charge will be made to recover cost over NZ $2.00

Norway

Source: INIS Liaison Officer for Norway

Availability: Photocopies of Norwegian nuclear literature: free of charge

Poland

Source: INIS Liaison Officer for Poland

Availability: Copies of certain material: free on an exchange basis
Copies for sale at prices equivalent to those charged by NTIS.

Portugal

Source: INIS Liaison Officer for Portugal

Availability: All nuclear documents published in Portugal: free of charge

Romania

Source: INIS Liaison Officer for Romania

Availability: Romanian nuclear literature supplied to centres in many countries on exchange basis

South Africa

Source: INIS Liaison Officer for South Africa

Availability: Photocopies of all South African non-conventional literature and journal articles: free of charge

Spain:

Source: INIS Liaison Officer for Spain

Availability: Photocopies: US $0.10 per page
Microfiches: US $0.15 per page
Reports (full size): prices as per catalogue
(see editorial service: **Revista Energia Nuclear**)

Sweden:

Source: INIS Liaison Officer for Sweden

Availability: AB Atomenergi reports (full size): US $5.00 each
Photocopies of non-conventional documents published in Sweden: US $0.15 per page
Access to conventional documents: cannot be guaranteed

Switzerland

Source: INIS Liaison Officer for Switzerland

Availability: Photocopies: prices on application

Thailand

Source: INIS Liaison Officer for Thailand

Availability: Photocopies of reports: free of charge

Turkey

Source: INIS Liaison Officer for Turkey

Availability: Copies of Turkish nuclear literature: free of charge

Union of Soviet Socialist Republics

Copies of documents available through INIS Clearinghouse.

United Kingdom of Great Britain and Northern Ireland

Most of the papers listed in **INIS Atomindex** are held at the British Library Lending Division in the United Kingdom. Photocopies of these are available at a reasonable charge in the UK via the BLLD Loan/Photocopy Service, and outside the UK via the BLLD Overseas Photocopy Service.
Please write for further details of these services to:

The Director-General
British Library Lending Division
Boston Spa, Wetherby
W Yorkshire LS23 7BQ, United Kingdom

United States of America

In the United States, the source of public availability of most US reports announced in **INIS Atomindex** is the National Technical Information Service (NTIS), US Department of Commerce, Springfield, Virginia 22161. Telephone: (703) 557-4650. Telex: 89-9405. Some reports are available for the Superintendent of Documents, US Government Printing Office, Washington D.C. 20402.
In **INIS Atomindex**, the specific source for each US report is given with the abstract entry, together with the NTIS price code. The following table is an explanation of the code. Section A is the standard code and provides a code A01 for the Standard microfiche price of $3.00 per title (**$4.50 for non-North American purchases**), and codes A02 through A24 plus A99 for prices of printed reports dependent upon the page count of the report. Section E is for documents which the sponsoring agency wants to price at a higher or lower price than that called for by the page count, as determined in Section A. These are coded as E01 through E20 plus E99. **Note that the price for non-North American purchases of paper copies is double the price given in this table.**

Section A

Standard Priced Documents and Microfiche

Price Code	Page Range	Price
A01	Microfiche	$ 3.00
A02	001–025	4.00
A03	026–050	4.50
A04	051–075	5.25
A05	076–100	6.00
A06	101–125	6.50
A07	126–150	7.25
A08	151–175	8.00
A09	176–200	9.00
A10	201–225	9.25
A11	226–250	9.50
A12	251–275	10.75
A13	276–300	11.00
A14	301–325	11.75
A15	326–350	12.50
A16	351–375	12.50
A17	376–400	13.00
A18	401–425	13.25
A19	426–450	14.00
A20	451–475	14.50
A21	476–500	15.00
A22	501–525	15.25
A23	526–550	15.50
A24	551–575	16.25
A25	576–600	16.50
A99	601–up	-- *

* Add $2.50 for each additional 100 page increment from 601 pages up.

Section E

Exception Priced Documents and Microfiche

Price Code	Price
E01	$ 3.25
E02	4.75
E03	6.25
E04	7.50
E05	9.00
E06	10.50
E07	12.50
E08	15.00
E09	17.50
E10	20.00
E11	22.50
E12	25.00
E13	28.00
E14	31.00
E15	34.00
E16	37.00
E17	40.00
E18	45.00
E19	50.00
E20	60.00
E99 Contact NTIS for Price Quote	
NØ1	25.00
NØ2	50.00

Reports of the US Department of Energy and its contractors are available in microfiche form individually and on an automatic subscription basis from Magnagard, Inc., P.O.Box 3501, Oak Ridge, Tenn. 37830. Collections of USDOE Reports and non-US reports are also maintained by a number of universities and public libraries in the United States. Listing of these libraries is available from USDOE, Technical Information Center, P.O.Box 62, Oak Ridge, Tenn. 37830. Most non-US reports abstracted in **INIS Atomindex** are also available, for US sales only, at NTIS in microfiche form for US $3.00 per report.

Yugoslavia

Source: Jugoslovenska knjiga,
Terazije 27/II, Yu, 11000 Belgrade
Telephone: 330-050
Telex: 12466 YUJKBGD

Availability: Copies at US $0.65 per document

Commission of European Communities (CEC)

Source: Office for Official Publications of the European Communities
B.P. no. 1003, Luxembourg

Availability: Full size copies of reports: prices vary

Council for Mutual Economic Assistance (CMEA)

Copies of documents available through INIS Clearinghouse only.

European Organization for Nuclear Research (CERN)

Source: INIS Liaison Officer for CERN

Availability: Copies of documents: free on request

Food and Agricultural Organization (FAO)

Source: INIS Liaison Officer for FAO

Availability: FAO documents available for sale: prices vary

International Atomic Energy Agency (IAEA)

Hard copies available from

Publishing Section
International Atomic Energy Agency
Kärntner Ring 11, P.O. Box 590
A-1011 Vienna, Austria

International Commission on Radiological Protection (ICRP)

Source: ICRP,
Clifton Avenue,
Sutton, Surrey SM2 5PU,
England.

Availability: Limited stocks of certain publications are available from the above address. ICRP will refer request for the remainder to its publishers.

International Organization for Standardization (ISO)

Hard copies of ISO International Standards may be purchased from ISO member bodies – national standards institutions – or direct from the ISO Central Secretariat, Case postale 56, 1211 Geneva, Switzerland.

World Health Organization (WHO)

Hard copies of documents available from WHO Sales Agents or may be consulted in the WHO depository library in each WHO Member State.

PERSONAL AUTHOR INDEX

A-Moneim, M.T.
Computer simulation of LMFBR piping systems. (CONF-770807 – 45) 370519
Safety analysis of the primary heat transport systems of LMFBRs. (CONF-761001 – P3) 365506
Aaberg, S.
Nucleon binding in nuclei at high angular momentum. 369415
Search for the yrast traps in neutron deficient rare earth nuclei. 354054
Aachari, P.S.
Studies on P^{32} labelled nitrophosphates : Part I. (BARC – 896) 375651
Aalberse, R.C.
An indirect antibody assay using haptenated antigen and ^{125}I-labelled anti-hapten antibody. 367684
Aaman Soerensen, M.
Comparison of medieval decorated floor-tiles with clay and tile fragments from the kilns at Bistrup. (INIS-mf – 4037) 356928
Aamodt, R.E.
Kinetic description of ponderomotive effects in a plasma. 368908
Radiation coupling of Bernstein modes in a ring plasma. 350869
Aarbakke, J.
Metabolism of ^{14}C-antipyrine in suspensions of isolated rat liver cells. 354828
Aarkrog, A.
Environmental radioactivity in Denmark in 1976. (RISO – 361) 357437
Environmental radioactivity in Greenland in 1976. (RISO – 363) 357509
Environmental radioactivity in the Faroes in 1976. (RISO – 362) 354687
Aaron, R.
Isobar formalism and one-pion-exchange partial-wave cross sections in $\pi N \rightarrow \pi\pi N$. 351135
Relativistic three-body theory. 372350
Aaronson, H.I.
Strain energy interactions, the T/sub o/ concept and sympathetic nucleation. 361467
Aarts, H.J.M.
High-spin states of ^{39}K and ^{42}Ca. (INIS-mf – 4267) 377986
Lifetime measurement of $^{22}Ne(4_1^+)$ with the high-velocity coincidence DSA method. 377987
Aas, B.
Precision measurement of the 3d-2p transition energy in muonic Mg, Si, P, by crystal spectrometer. 376954
Aashamar, O.
Coulomb deflection and wavefunction dependency in proton-induced L-shell ionization. 376959
Abagyan, L.P.
Level density dependence on parity for sup(238)U. (FEI – 636) 356637
Statistical analysis of parameters of the uranium -238 resonances. (INIS-mf – 3897) 356636
Abak, M.
Plasma neutrino energy loss rates. 353750
Abakumov, A.S.
Dissociation of polonium iodides and vapour pressure in polonium-iodine system. 378457
Polonium vapor pressure over polonides of scandium, dysprosium and holmium. 351598
Synthesis and thermal stability of polonites of yttrium, dysprosium and praseodymium. 359721
Abakumov, G.A.
Reaction of sterically hindered o-quinones with alkyl derivatives of the third group elements. 372993
Transition metal complexes with pyrocatechinolates and semiquinolates. 369694
Abakumova, L.G.
Transition metal complexes with pyrocatechinolates and semiquinolates. 369694
Abarbanel, H.D.I.
Self-consistent β functions in asymptotically free massless field theory. 366241
Abashmadze, M.Sh.
Studying acetylhydrazine complexes of rare earth chlorides by the infrared-spectroscopic method. 369668
Abasova, N.K.
Simultaneous electrodeposition of indium with tellurium. (INIS-mf – 4040) 378190
Abazov, V.M.
Investigation of the negative pion capture in deformed nuclei. (ZfK – 336) 364731
Abbas, E.
Pade approximants for linear Boltzmann equation. (IC – 76-82) 361261
Abbas, H.
Geomagnetic secular variation in India-regional and local features. 367444
Abbasov, I.M.
Radioactive elements in hast rocks and hydrothermally altered rocks o kokpatass ore field. 349664
Abbe, J.C.
The chemistry of positronium.-Part. III: inhibition and quenching by silver and cadmium salts. (CRN-CNPA – 77-12) 354404
Abbe, J.Ch.
The chemistry of positronium. III. 362196
Abbey, F.
Radioactivity and the fission products. 373780
Abbey, K.J.
Secondary partitioning isotope effects on solvolytic ion pair intermediates. 372943
Abbey, M.J.
The injection of sodium into liquid stainless steel. (PNC-N – 251-76-12(vol.1)) 350126
Abbondanno, U.
Automatical analysis of gamma-ray and charged-particle complex spectra from solid state detectors. 380146
Abbott, L.F.
Cancellation of the supercurrent anomaly in a supersymmetric gauge theory. 361242
Structure of the Yang-Mills vacuum in the Coulomb gauge. 368512
A supercurrent anomaly in supergravity. 371335
Abbott, L.S.
Summary of the fifth international conference on reactor shielding. 367818
Abboud, C.F.
Radioimmunoassay of human homologous prolactin in serum with commercially available reagents. 362781
Abbrent, M.
Electromagnetic shaker, especially for work in radioactive environment. (Czechoslovak patent document 155594/B/) 371147
Abbundi, R.J.
Hyperfine interactions in dysprosium – scandium alloys. 362366
Abdel-Baset, M.B.
Comparative capabilities of 1-phenylpropane-1-^{13}C and 1-phenylbutane-1-^{13}C toward the alkylbenzene automerization. 372994
Abdel-Dayem, H.M.
Isotope studies of mesenteric lymphoma. 362763
Abdel-Hafez, A.G.
Use of mutants to study host/pathogen relations. 373730
Abdel-Hak, T.M.
Mutation breeding for disease resistance in wheat and field beans. 373699
Abdel-Halim, M.N.
Polyribosome distribution in regenerating livers of irradiated adrenalectomized rats. 352026
Abdel-Hamid, M.M.
Gradient chromatographic elution of sulphur anions. 364930
Abdel Kerim, F.M.
Infrared absorption spectra of some lanthanide acetylacetone complexes. 367062
Abdel-Khalik, S.I.
Heat transfer and stress problems associated with ICTR walls. 348867
Abdel-Rassoul, A.A.
Future fuel cycle requirements and radioactive waste management plans for Egypt's nuclear power programme. 371254
Gradient chromatographic elution of sulphur anions. 364930
Small-scale hot facility for reprocessing and alpha research. 360671
Abdel-Razak, M.
Optimization of total triiodothyronine radioimmunoassay in unextracted serum by dextran charcoal. 349855
Abdel Salam, F.W.
The influence of magnetic fringing field on a deflecting magnet used to deflect the external beam of a 150-keV accelerator. 376345
Abdel Sayed, R.K.
Piping seismic restraint spacing criteria – an approach to the optimization of the use of seismic restraints. 360409
Abdel-Wahab, M.F.
Amino acid tolerance test using L-β-phenylalanine-^{125}I. 373762
Abdel-Wahab, M.S.
Vector analysing power in d-p and d-d elastic scattering at 52 MeV. 354145
Abdinov, A.Sh.
Generation of electric pulses by indium selenide monocrystals. 350699
Negative residual photoconductivity in indium selenide monocrystals. 348748
To the problem on anomalous photoconductivity in indium selenide monocrystals. 374649
Abdivaliev, A.
Topological cross sections of np-interactions in the monochromatic neutron pulse range from 1 to 5 GeV/c. (JINR – 1-8565) 356475
Abdo, K.M.
Nucleon isobar production in proton-nucleon collision at 6 GeV/c incident proton momentum. 372504
Abdollahian, D.
UC-B reflood experimental plan. (EPRI-NP – 457) 358205
Abdou, M.A.
Important aspects of radiation shielding for fusion reactor tokamaks. 366488

Radiation considerations for superconducting fusion magnets. (CONF-770649 – 6) 356076
Wall load and lifetime goals for tokamak power plants. 377324
Abdrakhmanov, E.O.
Study on coherent interaction of πsup(-) mesons with carbon nuclei at 40 GeV/c. 349086
Abdrashitova, Eh.I.
ESR in irradiated alumosilicate glasses containing chromium and titanium impurities. 378795
Abdu, M.A.
Magnetic storm associated delayed sporadic E enhancements in the Brazilian Geomagnetic Anomaly. 367414
Abdukhlikov, Ya.N.
Use of complex program 'TS-2' for processing geophysical exploration data using electronic computers to study productive carbonate reservoirs with compound structure of porous space. 362558
Abdul-Fattah, A.F.
Safety considerations of nuclear power systems in non-nuclear and developing countries. 352244
Abdul-Wahab, B.
A precision neutron diffraction study of tetragonal RbH_2PO_4. 377151
Abdul'manov, V.G.
Accelerating resonators for proton synchrotrons with a short acceleration time. 376346
B-5 proton-ion synchrotron. (UCRL-Trans – 1542) 379475
Abdulaev, A.A.
Radioactivation gold determination in natural waters with extraction-chromatographic separation. 349193
Abdulaev, D.
Dissolution of uranium oxides in gamma radiation field. 373050
Oxidation of uranium dioxide in solid phase under gamma radiation action. 373049
Abdulla'ev, N.
Change of anomalous high photovoltage properties of Si and Ge films in bombardment by low energy ions. 348757
Abdullaev, A.A.
Radioisotope probe. (Soviet patent document 256112/A/) 360584
Abdullaev, G.B.
Study on electron traps in $CdInGaS_4$ monocrystals. 371546
Study on the influence of selenium crystallization on the strain-resistance effect in diodes. 355930
Abdullaev, G.K.
Crystal structure of double lithium praseodymium ortho-borate-$Li_3Pr_2(BO_3)_3$. 359578
Abdullaev, G.Kh.
X-ray radiography of binary lithium and rare earth orthoborates. 375394
Abdullaev, R.S.
Dielectric characteristics of solid solutions. (INIS-mf – 4189) 375490
Abdullaev, S.K.
Polarization effects in the radiative νe(anti νe) scattering. 369317
Spin correlations in case of pion-pair photoproduction on a nucleron near nucleon resonances and pho – meson dominance. 349072
Abdullaev, S.S.
On solubility of sesquitelluride of gadolinium and holmium in lead telluride. (INIS-mf – 4040) 378191
Abdullaev, Ya.S.
Formula for calculating the intensity distribution of γ-rays during the activation analysis of samples using ampul neutron sources. 357874
Abdullaeva, M.K.
Efficiency of negative ion formation during the sputtering of surfaces activated by alkali metals. (INIS-mf – 3996) 363948
Abdullaeva, R.Yu.
Extraction-photometric determination of some d-elements with polyphenols in the presence of aromatic amines. (INIS-mf – 4192) 375217
Abdullin, R.A.
Diagnostic of authigene calcite in production wells by radioactivity logging. 354636
Abdullina, T.P.
Study of uranium (6) trioxide dihydrate reaction with aqueous solutions of sodium chloride. 362116
Abdumanapov, U.D.
Study of large-size molybdenum monocrystal structure prepared by electron beam droplet melting. 349436
Abduragimov, F.A.
Device for pulse registration. 365249
Abdurakhmanov, A.A.
Effect of an ionizing radiation on the induced synthesis of anthocyans in the buckwheat. 360245
Abdurakhmanov, S.R.
On one class of semiempirical rotational formulae. 377864
Abdurazakov, A.A.
Excited states of ^{163}Er, populated in the ^{163}Tm decay. 377950
Abdurragimov, A.A.
Hall effect in $CoCr_2Te_4$. 370065
Abduvakhabov, A.A.
Synthesis of certain new lupinine esters on the base of dialkythiophosphoric and dialkyldithiophosphoric acids and their alkylated iodides. 378192
Abduzhamilov, Sh
A study of inelastic pion-nucleus interactions at 200 GeV/c in an emulsion. 356481
Abduzhamilov, Sh.
Study of 200 GeV/c proton diffractive dissociation using the parametrically invariant quantity g_1. 369339
Abe, H.
Developments and studies for marine disposal of radioactive wastes. 358527
Abe, Hirotoshi
Experimental study on intermediate level radioactive waste processing. 350396
Abe, K.
High-P/sub transverse/^{2} p-p elastic scattering in pure initial spin states. 359343
Search for charmed particles in 14.75 GeV/c pp interactions. 375069
Spin-spin interactions in high-transverse momentum elastic p-p scattering. 359344
Abe, Kiyoharu
Manual on UCL1, unit conversion program library for dynamics and thermodynamics. (JAERI-M – 7207) 380147
Abe, Mitsuyuki
Hyperthermia and anoxic sensitizer in tumor radiotherapy. 378980
Abe, Ryuji
Reconstruction of the full thickness chest wall defect. 352051
Abe, S.
In-service inspection for "Monju". (IWGFR – 10) 363484
JOYO construction and preoperational test experience. 379765
Abe, Shiro
Present situation of the study of environmental radiation measurement. (NIRS-M – 20) 379334
Abe, T.
Graphite surface erosion by 100 keV helium and hydrogen bombardment. 373385
Surface erosions by energetic helium and hydrogen bombardment of molybdenum and pyrolytic graphite. 368993
Abe, Tetsuya
Observation on surface deformation of pyrolytic graphite bombarded by 100 keV He^+, H^+ ions. 354619
Sputtering yield and surface observation of molybdenum honeycomb walls. (JAERI-M – 7216) 378810
Sputtering yield measurement on first wall materials of thermonuclear fusion devices. 359018
Abe, Y.
Charmed meson decays and right-handed currents. 361763
Abe, Yasuhisa
Structure of the excited states in ^{12}C, I. 354124
Abe, Yoshihiro
Crystallization of beryllium metaphosphate glass. 354314
Abedinzadeh, R.
Need for standards and standardization in nuclear technology. 352933
Abegg, R.
Elastic and inelastic scattering of 11.8 MeV polarized deuterons from ^{34}S. 377951
Study of the low-lying levels in ^{47}Ca with the $^{48}Ca(d(pol),t)^{47}Ca$ reaction. 367012
Study of the reaction $^{34}S(d(pol),p)^{35}S$ with vector-polarized deuterons. 354130
Abel, J.F. Jr.
Evaluation of excavation experience: Pierre shale. Final report. (ORNL/SUB – 75/70347) 374421
Abel, K.H.
Biological availability of energy related effluent material in the coastal ecosystem. (BNWL – 2100(Pt.2)) 362931
Geochemical ocean sections study (GEOCECS). Chemistry of ocean solutions. (BNWL – 2100(Pt.2)) 362137
Abela, R.
Measurement of muon polarization in excited states of muonic atoms. 376955
Measurement of the circular polarization of muonic Ksub(α) X-rays in Se and Pd. 361330
Abeleva, S.Eh.
Investigating the changes in surface layers of VTZ-1 alloy under cavitation. (INIS-mf – 3914) 349544
Abeltin', V.V.
On application of non-refrigerated semiconductor detectors of roentgen radiation for measurement of cover thickness. (INIS-mf – 3994) 379400
Aberg, A.T.
Low-temperature annealing of Al-implanted Si-SiO_2 structures. 348749
Aberle, J.
Reactor safety, instrumentation and environmental effects. (KFK – 1277/2) 370622
Aberson, J.A.
Tensile analysis of an edge notch in a unidirectional composite. 357397
Aberth, W.
Characteristics of a volcano field ion quadrupole mass spectrometer. 355603
Abesalashvili, L.N.
On the growth of associative multiplicity in dependence on transverse momentum. 375055
Abey, A.E.
Model for predicting the hydrostatic loading and unloading relationship of porous materials containing various amounts of fluid. 378820
Abgrall, Y.
Proton scattering at intermediate energies: excitation of collective states and dispersive effects. (LYCEN – 7702(pt.1)) 369457
Splitting of the giant quadrupole resonance in light deformed nuclei. 366919
Abiev, A.K.
Effect of conduction switching in germanium irradiated with 2,5

MeV electrons. 368724
Effect of short-time "memory" in germanium samples irradiated with accelerated electrons. 368782
Abilova, M.U.
Polarographic behaviour of the Cd^{2+}+3,3'-dipyridyl system. 378337
Abina, S.V.
Spectrophotometric method for investigation into thermodynamics of plutonium chloride solutions in alkali metal chloride melts. (INIS-mf – 4193) 378390
Abkin, A.D.
Kinetic scheme of initial stage of radiation-induced polymerization of vinyl acetate and acrylonitrile adsorbed on aerosil. 349344
On the formation of polymer non-grafted onto the surface during radiation-induced polymerization of monomers adsorbed on mineral substrates. 375677
Some regularities of separate and simultaneous radiation polymerization of vinyl acetate and acrylonitrile in adsorption layer on aerosil surface. 367170
Ableev, V.G.
Experimental data on diffraction elastic scattering for 17.9 GeV/c α-particle on protons and He, C, Al, Cu nuclei. (JINR-R – 1-10565) 377952
2500 channel system with proportional and drift chambers for study on hadron scattering. (JINR – 13-8967) 358328
Ablesimov, N.E.
On the possibility of Moessbauer emission spectroscopy application for studying reactivity of hydrated electron. 362228
Ablewicz-Strzalkowska, E.
EPR signals of polymer-radioprotective substance model in X radiation field. 378501
Ablewicz, Z.
Influence of reinforcement and cemented parts on quality of radiological shields. 355257
Abmayr, W.
Real-time automatic evaluation of solid state nuclear track detectors with an on-line TV-device. 368264
Abo, Hideo
The effects of some factors on the creep behavior of type 304 stainless steel. 359965
Aboaf, J.A.
Method to induce a conductivity type in a semiconductor. (German (F.R.) patent document 1621272/B/) 367309
Abon, M.
Field emission study of ammonia absorption and catalytic decomposition on individual molybdenum planes. 362367
Interaction of NH_3 with Mo at low and high temperatures studied by thermal desorption mass spectrometry. 369906
Abookazemi, M.E.
Experimental calibration of a collimated NaI detector using large diameter sources. 379862
Aborina, I.N.
Neutron spectra in WWER reactor lattices. (IAE – 2497) 376499
Abos, D.
Clinical assessment of angioscintigraphy and brain sequential scintigraphy with sup(99m)Tc-DTPA. (INIS-mf – 4010) 357674
Abou El-Nour, F.
Thermodynamic carbon isotope effect for solubility of ethane in water. 349195
Abouaf, R.
Photofragment spectroscopy and potential curves of Ar_2^+ . 350660
Photofragment spectroscopy and potential curves of Ar_2^+. 377084
Threshold photofragment spectroscopy of $O_2^+(a^4Plsub(u))$. 377125
Abov, Yu.G.
On a magnet configuration to trap ultracold neutrons. (ITEF – 44) 365712
Space parity nonconservation in nuclear interactions. 364732
Abraham, L.
Reprocessing yields and material throughput: HTGR recycle demonstration facility. (GA-A – 14320) 365104
Abraham, M.M.
Radiation-induced mobility of substitutional hydrogen in MgO. 362530
Abrahams, K.
Capture gamma-ray spectroscopy at the High Flux Reactor. (INIS-mf – 4267) 377953
Abrahamson, S.
Genetic effects of low x-ray doses. Progress report, October 1, 1976 – September 30, 1977. (COO – 2001-17) 373512
Abraman, Eh.A.
Effect of rarefied gas flows on the temperature mechanical properties of refractory metals. (INIS-mf – 3954) 362368
Abramishvili, M.G.
Radiation effect on the optical stability of Na colloidal particles in NaCl crystal. (INIS-mf – 3245) 349579
Abramo, M.C.
Partial structure factors of an ionic model of liquid UO_2. 350574
Abramov, A.A.
Structure of Al-Mg-Ti and Al-Mg-Zr alloys. 369890
Abramov, A.I.
(γ, n) reaction near the threshold and radiative neutron capture. (FEI – 594) 356672
On the $^{58}Fe(\gamma n)^{57}Fe$ reaction near a threshold. 378017
Abramov, A.P.
Investigation of double optical resonance in crystals activated by erbium. (INIS-mf – 3955) 362142
Abramov, B.D.
On some boundary problem of multigroup transport theory. (FEI – 600) 375076
On some conditions the boundary problems of the transport theory are soluble under. (FEI – 601) 375075
Abramov, B.M.
Some characteristics of the inclusive process $\pi^- + p \rightarrow \pi^+ +$ all in the fragmentation range of the incident particle at 2,69 and 3.25 GeV/c. (ITEF – 20) 356476
Abramov, D.I.
Coulomb phases of scattering in spheroidal coordinates. (INIS-mf – 3915) 348631
Abramov, M.V.
The behaviour of uranium and thorium in the process of formation of granitoids of Vanch-Yargulem complex (The Central Pamirs). 357438
Abramov, O.B.
Separation of strontium nitrate from nitric-acid extract during production of compound fertilizers. 351490
Abramov, O.V.
Broaching in askew roll mill using ultrasonic waves. (INIS-mf – 3914) 349404
Effect of ultrasonic treatment on high tensile nickel base alloys properties. (INIS-mf – 3914) 349401
Abramov, V.V.
Direct muon production in proton-nucleus collisions at 70, 50 and 35 GeV. 353942
Measurement of polarization of muons produced in nucleon-nucleon interactions at 70 GeV. (IFVE-PEF – 76-40) 349085
Production of π and k-mesons with high transverse momentum by protons on Cu and Be nuclei at 35, 50 and 70 GeV. 356477
Results on search for the intermediate W boson in the proton-nucleus collisions of the energy of 70 GeV. 375056
Solid phase joints between corundum single crystal and titanium. 351698
Study on particle production with large transverse moments in nucleon-nucleon interactions at 70 GeV. (IFVE-SEF/OP – 74-150) 361866
Abramova, I.M.
Radiation stability of polymeric materials on polyamide 12 base. 362284
Abramovich, S.N.
Total cross section measurement for the $T(t,2n)^4He$ reaction. 378056
Abramovitch, S.
Pulse radiolytic investigations of peroxy radicals in aqueous solutions of acetate and glycine. Progress report, September 1, 1976 – July 1, 1977. (COO – 3221-43) 357129
Abramowicz, H.
Inclusive π^0 production in π^+p interactions at 16 GeV/c. 366818
Abramowicz, M.A.
Analytic properties of relativistic, rotating bodies. 350973
Pressureless disk cannot be the source for the kerr metric. 353029
Theory of level surfaces inside relativistic, rotating stars. Pt. 2. 372108
Abrams, F.E.
The effects of accelerated heavy nuclei of neon and argon on mammalian cells in culture. 378981
Abrams, G.S.
D meson production and decay in e^+e^- annihilation at 4.03 and 4.41 GeV c.m. energy. 353989
K^0 production in e^+e^- annihilation. 353983
Properties of the proposed tau charged lepton. 356517
A search for neutral heavy leptons. 356514
Spin analysis of charmed mesons produced in e^+e^- annihilation. 351228
Abrams, L.A.
As low as is reasonably achievable (ALARA) studies relative to the NWTS program. (Y/OWI/SUB – 77/42509) 379320
Abrams, M.
Selecting probability for use in direction-dependent accident dispersion models consistent with past NRC practice. 352311
Abramson, P.B.
Comparison of the EPIC and PLUTO computer codes for TOP conditions. 352276
Core disruptive accident and recriticality analysis with FX2-POOL. (CONF-761001 – P3) 365507
EPIC: a computer program for fuel-coolant interactions. (CONF-761001 – P3) 365595
Explicit iterative technique for FX2. 360431
Numerical model of reactor fuel and coolant motions following pin failure. 373854
Abramyan, L.O.
Asymmetry of eta meson photoproduction cross section by polarized photons in the resonant energy range. 369340
Abramycheva, L.E.
Investigation of the hydrogen solubility in the Fe-Co-Ni liquid alloys. 357315
Abrao, A.
Anodic dissolution polarography used for the direct determination of metals in uranium. (IEA – 429) 351434
Behavior of cationic, anionic and colloidal species of titanium, zirconium and thorium in presence of ion exchange resins. (IEA – 447) 351457
Determination of boron spectrophotometry in thorium sulfate. (IEA – 420) 354290
Health physics system scheme for the uranium purification plant. (IEA – 400) 355022
A rapid radiochemical ion-exchange separation of iodine from tellurium: a novel radioiodine-132 generator. (IEA – 371) 354391
Spectrographic determination of rare earths in thorium compounds. Chromatographic preconcentration in an acid-ether-cellulose system. (IEA – 415) 354284
Study of the efficiency of AgCl, In_2O_3, Ga_2O_3, NaF, LiF and SrF_2 as spectrographic carriers in the quantitative analysis of

eighteen microcompound elements in uranium. (IEA – 467) 364869
Abrarov, O.A.
Separation of promethium and neodymium radioisotopes by mixed solvents. 349152
Abras, A.
Determination of the ratio Fe^{2+}/Fe^{3+} in Brazilian ilmenite through Moessbauer effect. 350755
Abrashkin, S.
Implantation of radioactive atoms by alpha recoil. (IA – 1324) 353175
sup(99m)Tc-RBC – A simple in vitro labelling procedure for vascular space imaging, varicose vein diagnosis and follow-up. (INIS-mf – 4010) 373633
Abrecht, P.
Public acceptance of nuclear power. Some ethical issues. 370520
Abrikosov, N.Kh.
Anisotropy of electric properties of α-GeTe. 374732
The effect of radiation defects on the properties of the inversed on GaSb and Gasub(1-x)Insub(x)Sb diodes. 370121
Investigation into Cu-CdSb section of Cu-Cd-Sb ternary system in copper-rich portion. 359888
Investigation of the germanium telluride-bismuth telluride-antimony telluride system. 359579
Phase transformations in quenched germanium telluride. 375844
Preparation and study of solid monocrystals of solutions based on Sb_2Te_3 and Bi_2Te_3. 369889
Study of phase diagram of $GeTe-As_2Te_3$ system. 375395
Thermal expansion of germanium telluride. 375869
X-ray investigation of YbTe-TmTe solid solutions. 351744
Abrosimov, A.T.
Violation of scale invariance in hadron interactions at super-high energies. 356336
Abroyan, I.A.
Radiation-induced defects in silicon and germanium and a secondary emission method. (INIS-mf – 3996) 363936
Abse, L.
Nuclear energy. 365508
Abshire, G.
An upper limit for the radiative decay width of the J/psi resonance into eta'(958)+γ. 369353
Abston, C.C.
Auroral electrojet magnetic activity indices AE (11) for 1974. (PB – 263927) 351962
Abt, H.A.
Spectroscopic binary HR 1300. 361655
Abu-Bakr Kamel' Takha Maki
Determination of carbon and hydrogen in phthalocyanines. 354385
Abu-Shumays, I.K.
Compatible product angular quadrature for neutron transport in x-y geometry. 372549
Abughres, S.M.
Implementation of a mutipurpose nuclear complex in Libya. 352508
Abukay, D.
Wiedemann-Franz ratio of magnetic materials. 373261
Abulova, V.G.
Study on characteristics of scintillation detectors with elongated configuration. 363545
AbuRomia, M.M.
Flow model test development of CRBRP intermediate heat exchanger. 374235
Heat transfer in tube bundles of heat exchangers with flow baffles induced forced mixing. (CONF-761107 – 27) 363485
Investigation of the tube side flow distribution in heat exchangers. (CONF-770912 – 1) 360960
Abyzov, R.A.
Action of "Bipenst" preparation and dimethylsulfoxide on the adenyl nucleotide content in liver of irradiated animals. 370335
Acena Barrenechea, M.L.
Alpha spectrometry of thick sources. II. Application to the study of radioactive equilibria in uranium ores. (JEN – 393) 367017
Acena, M.L.
Alpha spectrometry of thick sources. I. Application to alpha emitters determination. (JEN – 384) 369392
Acerbi, E.
Beam extraction studies for the proposed superconducting cyclotron at the University of Milan. 363128
Injection studies for the proposed superconducting cyclotron at the University of Milan. 363127
Magnetic field calculations for the proposed superconducting cyclotron at the University of Milan. 363125
Model magnet for the proposed superconducting cyclotron at the University of Milan. 363126
Acharya, R.
Free-field-like behavior of the Dashen-Frishman model and singularity of the Callan-Symanzik function. 372351
Poincare invariance of charge-monopole composites and parity violation. 376883
Acharya, S.N.
Lead tracer technique for the accountability of plutonium (LEADTRAP). (BARC – 904) 376848
Acharya, T.R.
Reactions of modulated molecular beams with pyrolytic graphite IV. Water vapor. 366363
Acharyulu, S.L.N.
New method for determining particle size of tungsten powder. 362442
Ache, H.J.
Effects of solvent-solute interactions on the stereochemical course of the high-energy chlorine-38 for chlorine substitution process in diastereomeric dichloroalkanes in the condensed phase. 365034
Positronium reactions in micellar systems. 377044
Reactions of charged and neutral recoil particles following nuclear transformations. Progress report No. 11, September 1976 – August 1977. (ORO – 3602-18) 362225
Study of inclusion complex formation by positron annihilation techniques. 378298
Achenbach, E.
Intensity and spectral distribution of flow-induced pressure variations in the gas flow system of HTR reactors. 370947
Achenbach, J.D.
Stress intensity factors for corner-cracked subassembly ducts. (CONF-761001 – P3) 365593
Achiman, Y.
Leptonic nonet in SUsub(L)(3) x SUsub(R)(3). 353751
Achmatowicz-Szmajke, T.
Investigations of radiation changes of some tablet mass ingredients. (INR – 1583/27/C/B) 376174
Use of polyester resins and methyl methacrylate in the process of a radiation modification of alder wood. Pt. 2. Properties of wood radiation-modified with Polymal polyester resins. 367892, 373975
Achuthan, P.
Inelasticity effects in π π production in γ γ collisions. 372380
Photoproduction in pion pairs at moderate energies. 372379
Acioli, J.L.
π-D neutral reactions. 351227
Geometrical and kinematical reconstruction of a single track in a bubble chamber. 351207
Ackenhusen, J.G.
Characterization of an ultradense reproducible Z pinch. 366530
Ackerhalt, J.R.
Rate equations versus Bloch equations in multiphoton ionization. 350554
Ackerman, S.
Environmental planning and the siting of nuclear facilities: the integration of water, air, coastal, and comprehensive planning into the nuclear siting process. Improving regulatory effectiveness in federal/state siting actions. (NUREG – 0199) 352970
Improving regulatory effectiveness in Federal/State siting actions. Environmental planning and the siting of nuclear facilities: the integration of water, air, coastal, and comprehensive planning into the nuclear siting process. Final report. (PB – 269386) 366179
Ackermann, G.
Analysis of operating experience of nuclear power plants with pressurized water reactors. 355380
Principles of education and training of industrial engineers for nuclear power plants. 371310
Ackermann, H.
Determination of the longitudinal and the transverse part in π^+-electroproduction. (DESY – 77/64) 366892
Elastic π^0 electroproduction above the resonance region. (DESY – 77/42) 364562
Electroproduction of neutral pions and test of the quark-parton model. 356394, 364561
Inclusive spectra of electroproduced K^+-mesons. (DESY – 77/49) 364578
Ackermann, R.J.
Comparison of the thermodynamic properties and high temperature chemical behavior of lanthanide and actinide oxides. (CONF-770662 – 3) 365015
Ackers, J.G.
Whole body kinetics of glycerol ^{75}Se-triether. (INIS-mf – 4010) 367547
Ackroyd, R.T.
Prestressed pressure vessels. (UK patent document 1491462/A/) 368027
Acquadro, J.C.
Fusion of $^{27}Al + {}^{16}O$ and $^{12}C + {}^{16}O$. 364984
Scattering chamber for the measurement of heavy ions time-of-flight. 364555
Acquista, N.
4s-4p resonance transitions in highly charged Cu- and Zn-like ions. 350671
Actis-Dato, P.
Simulation of hypothetical core disruptive accidents in vessel models. (CONF-761001 – P3) 365544
Acton, L.W.
Bent crystal spectrometer for solar x-ray spectroscopy. 352823
Early evolution of an X-ray emitting solar active region. 372305
Intense soft x-ray flux from Her-1. (CONF-7510169 –) 364293
Acton, R.U.
Thermophysical properties: some experience in research, development and applications. (LA-UR – 77-1881) 365229
Actor, A.
Current-current model for vector-meson photoproduction and related processes. 351136
Pomeron current model for diffraction dissociation. 356378
Acuna, M.H.
Magnetic field experiment for Voyagers 1 and 2. 374877
Acuncius, D.A.
Cast thermally stable high temperature nickel-base alloys and casting made therefrom. (US patent document 4,043,810/A/) 369848
Adachi, G.
Studies on some physical properties of the solid solutions, Ln/sub

1-x/Sr/sub x/VO/sub 3-0.1x/. 360028
Phase relations and the thermal transformations of rare earth dicarbide solid solutions. 362481
Adachi, Hiromichi
An experimental study on PWR-LOCA by ROSA-II, (2). 360920
Adachi, K.
Some applications of ions beam sputtering to high resolution electron microscopy. 364036
Adachi, Kengo
Moessbauer study of Fesub(0.5)Nisub(0.5)S_2. 353474
Adachi, Minoru
Lifetimes of some low-lying I=1 states in ^{51}Mn. 372791
Adachi, Motonari
Dissolution of gaseous methyl iodide into aqueous sodium hydroxide solutions. 372944
Adachi, S.
Alfven-wave heating experiment in the heliotron-D. 364235
Radiation of electrostatic plasma waves near the lower hybrid frequency. 350913
Adadurov, G.A.
Polymerization of γ-irradiated acrylamide at low temperature under action of shock waves. 375704
Adaev, E.I.
Way of preparation of aqueous solutions containing ruthenium compounds. (Soviet patent document 469665/A/) 354348
Adair, H.L.
Dosimeter sample preparation, quality assurance, and materials development for the ILRR, FRMDC, and FFTF dosimetry programs. (CONF-771036 – 2) 366004
Preparation and characterization of ^{241}Am and ^{3}H targets. (CONF-771075 – 1) 373132
Adair, R.K.
Determination of the neutron-proton ratio in primary cosmic rays. 350974
Adam, A.
Analytical calculation of efficiency of a hydrocarbon scintillator as a neutron detector. (INIS-mf – 3896) 361024
First levels of a S^{32} nucleus observed in the ^{31}P(d,n) S^{32} reaction. (INIS-mf – 3896) 356908
Study on the ^{140}Ce(d,n) ^{141}Pr reaction at 12 MeV deuteron energy. (INIS-mf – 3896) 356673
Adam, E.
Trends in power industry and the safety of nuclear power plants. 355654
Adam, Eh.
A study of nuclear power stations equipped with gas-cooled reactors. 379726
Adam, F.
Automatic sample changing device type NZ-310. (INIS-mf – 4017) 374371
Adam, F.C.
Formation and photolysis of alkyl and peroxy radicals in dilute glass matrices. 357130
Adam, G.
On the numerical solution of the Eliashberg equations for strong superconductors. 356032
The virial coefficient-isotope effect of ammonia. 364929
Adam, I.
Excited states of ^{163}Er, populated in the ^{163}Tm decay. 377950
Adam, J.
Anticompton gamma spectrometer proposed at the Institute of Nuclear Research, Czechoslovak Academy of Sciences. 355488
JINR investigations of nuclei far-away from the region of beta stability. 366960
Nuclear states excited in the (^{3}He,xn) reactions. 354268
Adam, J.A.
Solutions of the inhomogeneous acoustic-gravity wave equation. 348570
Adam, M.
Investigation on the reaction of molybdenum with collagen in vivo. 356931
Adam, P.J.
Approach to nuclear project management in developing nations. 352626
Adam, S.
γ-radiolysis of N_2O-saturated aqueous solutions of trehalose and trehalose/amino acid mixtures. 349689
Radiation-induced formation of deoxy-products from trehalose; the influence of oxygen, added proteins and lipids. 375671
Adam, T.
A rationale for the development of radioimmunoassays. 373771
Adamashvili, G.T.
Effect of spin diffusion on spin-lattice relaxation of nuclei induced by impurity nuclei in conditions of magic angle. 374650
Adamchuk, Yu.V.
Collimation of neutron beam in experiments on measuring of partial cross sections with isotope microamounts. (IAE – 2470) 350320
Production of mecanical vibrations of speciment by mass O.1-1 kg at a speed of 100-200 m/s. (IAE – 2626) 350321
Adamenkov, K.A.
Vibroacoustic inspection of primary circuit equipment. 368161
Adamesku, R.A.
Formation of rolling and recrystallization textures in titanium and zirconium. 375810
Adamovich, M.I.
Comparison of experimental distributions of rapidity intervals in inelastic π^-p interactions at 60 GeV with the multiperipheral cluster model. 369341
A study of inelastic pion-nucleus interactions at 200 GeV/c in an emulsion. 356481
Adamovskij, A.A.
Investigation of behaviour of the hexanite-R during microcutting of titanium and steel. 349414
Adamowicz, L.
Perturbation calculation of molecular correlation energy using Gaussian-type geminals. Second- and third-order pair energy of H_2. 366312
Second-order correlation correction to the coupled Hartree-Fock polarizability of Be. 371454
Adams, C.
Hydrogen isotope exchange in the aldehyde group during the reduction of benzaldehyde by tritiated sodium borohydride (tetrahydridoborate). 351463
Adams, C.C.
Procedure for coating articles with pyrolytic carbon. (German (F.R.) patent document 2617244/A/) 351850
Adams, C.H.
Current trends in methods for neutron diffusion calculations. 374111
Adams, D.J.
Infrared light curves of AM Herculis. 369115
Adams, D.W.
Equipment for measuring thickness by irradiation. (German (F.R.) patent document 2618906/A/) 355107
Adams, E.D.
Susceptibility of solid ^{3}He near the ordering temperature. 366788
Adams, F.
A method for the accurate description of the full-energy peaks in non-linear least-squares analysis of X-ray spectra. 355692
Adams, F.H.
Effect of radiation and contrast media on chromosomes. 357588
Adams, G.E.
Critical residues in D-amino acid oxidase. 365342
Adams, J.B.
Start up of the European 400 GeV proton synchrotron. 363129
Adams, J.M.
Fast neutron fission spectrum measurement of ^{235}U at 0.52 MeV incident neutron energy. (INIS-mf – 3896) 356674
Adams, J.R.
Radiation hardened field oxide. (SAND – 77-1044c) 351878
Adams, J.S.
The recovery of sulphur, uranium, and gold from residues. 367200
Adams, K.G.
Considerations in the evaluation of the human element of a safeguards system. (SAND – 77-1083C) 374509
Adams, L.W.
Simulation model of tritium kinetics in a freshwater marsh. 370285
Adams, N.G.
Molecular synthesis in interstellar clouds: some relevant laboratory measurements. 369199
Adams, N.J.I.
Nuclear installation inspectorate presentation. (IAEA – 189) 360786
Adams, P.J.
Exact one-body solution of the gauge-covariant gravitational field equations. 376884
Scale-covariant theory of gravitation and astrophysical applications. 350989, 371351
Adams, R.
Automatic analysis of GCS for radiopharmaceutical quality control. (INIS-mf – 4010) 369569
Adams, R.A.
Radiation induced transient thermal effects in 5 MHz AT quartz resonators. (SAND – 77-1747C) 380000
Adams, R.G.
Turbomachinery for the gas-turbine high-temperature gas-cooled reactor power plant. (GA-A – 13973) 370948
Adams, R.O.
Acoustic emission from beryllium. (RFP – 2504) 373203
Adams, T.C. Jr.
Cyclizations to lactones. ^{18}O mechanism study. 372964
Adams, W.M.
Differential rotation of short-lived solar filaments. 372109
Adamska-Tykal, B.
Some predictions on the disposal of radioactive wastes from the first Polish atomic station. 355650
Adamski, B.
Prospecting and exploration of gas deposits by means of inorganic volatile elements and isotopes. 373419
Adamski, L.
Evaluation of the ^{58}Ni(n,2n)^{57}Ni reaction cross sections. (INDC(POL) – 8/L) 372691
Fast-thermal critical assembly P-ANNA-1. 355482
Adamson, M.G.
Direct measurements of oxygen activity thresholds for liquid alkali metal-oxide fuel reactions. (CONF-760503 – P2) 352182
Adani, A.
Charge distribution in the fragments of spontaneous fission of ^{252}Cf. 356675
Adar, J.
Near-term feasibility of nuclear reactors for seawater desalting. Coupling of standard condensing nuclear power stations to low-grade heat multieffect distillation plants. 371213
Adati, K.
Radio-frequency plugging of mirror and point cusp ends. (INIS-mf – 3963) 372084
Adaway, D.W.
Performance of PFR hydrogen leak detection system based on water and hydrogen injection into the steam generator units.

(CONF-760503 – P2) 352738
Adawi, I.
Interaction of electric and magnetic charges. 364458
Adcock, S.J.
Studies of doublet plasmas in Doublet IIA. 358942
Adda, Yves
Fundamental aspects of the evolution of, and phase changes in, metals and alloys under irradiation. (CEA-CONF – 4014) 370188
Adeev, G.D.
Droplet model description of the division of charge in fission. 372575
Energy dependence of prompt neutron number from fission fragments. (INIS-mf – 3896) 356561
Polarizability of nuclear matter in a fissile nucleus and charge distribution of fission fragments. (INIS-mf – 3896) 356562
Qualitative specific features of nuclear fission dynamics. (INIS-mf – 3896) 356560
Statistical description of pre-equilibrium processes in nuclei. 377852
Adejshvili, D.I.
Storage as an object of radiation studies. (KFTI – 75-35) 355165
Adelberger, E.G.
Comparison of Sona and spin-filter polarization schemes for a Lamb-shift polarized ion source. 363360
Electromagnetic decays of T = 2 states in T/sub z/ = 1 nuclei. 364739
Electromagnetic transitions in ^{13}C and ^{13}N. 351388
E1 and E2 strength in $^{15}N(p$ vector, $\gamma_0)^{16}O$. (RLO/1388 – 362) 372692
Silicon surface barrier detector telescope for electrons. (RLO/1388 – 362) 374308
Width of the lowest T = 2 state in ^{28}Si. (RLO/1388 – 362) 372693
Adelman, S.J.
An abundance analysis of Tau Herculis, B5IV. 359042
Adelstein, S.
Calcium determination in bone by proton activation analysis. Progress report. (PB – 267211) 362798
Adelstein, S.J.
Partial body calcium determination in bone by proton activation analysis. 349161
Adetunji, J.
The sputtering behaviour of calcite. 374651
Adhikari, S.
Oxalatoberyllates. 367125
Adhikari, S.K.
Nucleon-nucleon interaction in nuclear matter. 359365
Relativistic analysis of four-body final states. 354026
Adilkhanyan, D.M.
Reactions of hydrogen atoms during the radiolysis of binary system H_2S – C_2H_4. 349339
Adishchev, Yu.N.
Increase of the PhEV-49 photomultiplier time resolution. 371148
Adkins, B.
The nuclear debate as seen by industry, public and opposition. 365509
Adler, D.
Investigation of liver function with sup(99m)Tc-diethyl-IDA. (INIS-mf – 4010) 370502
Numerical integration of electromagnetic cascade equations, discussion of results for air, copper, iron, and lead. 361950
Adler, F.
Determination of niobium in the presence of molybdenum by rectangular wave polarography. 372870
Adler, H.
1 MV accelerator structure for cluster injector. 363238
Adler, J.
Pasteurization of poultry feed by γ ionizing radiation. (IA – 1338) 365481
Adler, L.
Development of a large position-sensitive gas ionization chamber. (ORO – 3924-29) 366005
Flaw-size measurement in a weld sample by ultrasonic frequency analysis. 352427
Relationship between ultrasonic Rayleigh waves and surface residual stress. 351726
Strongly damped collisions of 197 MeV ^{12}C projectiles. (ORO – 3924-29) 364767
Adler, M.
Some finite dimensional integrable systems and their scattering behavior. 353030
Adler, O.
Radiation dose to the breast in mammographic examinations. (INIS-mf – 4052) 376127
Adler, R.J.
Analytic wave function for the deuteron D states. 364642
Adler, S.L.
Regularization of the stress-energy tensor for vector and scalar particles propagating in a general background metric. 358629
Adolfson, W.F.
Raman scattering cross section and density measurements of UF_6. 351599
Adomako, D.
Methyl bromide residues in fumigated cocoa beans with particular reference to inorganic bromide. 379159
Adrian, H.
Enhancement of the superconducting critical temperature Tsub(c) of niobium by radiation damage. 354618
Adrian, H.W.W.
A low-temperature neutron and X-ray diffraction study of $UO_2(NH_2O)_2.3H_2O$. 354594
A low-temperature neutron diffraction study of α-$UO_2(NH_2O)_2.4H_2O$. 368725
Adushev, G.P.
Radiation stability of lead- and siver azides in mixtures with oxides. 375711
Adylov, A.A.
Some aspects of the secondary ion emission from metals. (INIS-mf – 3996) 363937
Adylov, G.T.
A measurement of the electromagnetic size of the pion from direct elastic pion scattering data at 50 GeV/c. 353922
Adzhyan, G.S.
On the limiting value of mass of nonuniformly rotating neutron stars. 369014
Aegerter, M.
Optical properties of F centers in KCN crystal. 354630
Aehnelt, C.
Application of ovine luteinizing hormone (LH) radioimmunoassay in the quantitation of LH in different mammalian species. 367633
Aeystoe, J.
Determination of peak shapes of filtered X-rays using attenuation measurements with polydiscrete X-ray beams. 364630
Afana'ev, V.P.
Charged particle analyzer. (Soviet patent document 433435/A/) 355490
Afanas'ev, A.G.
Technique for cascade transition detection. (Soviet patent document 476526/A/) 376599
Afanas'ev, A.M.
Numerical calculation of fuel burn-up in a reactor. (ITEF – 19) 350104
Afanas'ev, B.N.
Modern status of the theory of organic substance adsorption effect on kinetics of electrochemical reactions. 378239
On determination of parameters of electrochemical reaction rates in the range of high filling of electrode surface by molecules of adsorbate. 378204
Afanas'ev, E.A.
Kinetics of some fast reactions of organic reagents with metal ions. (INIS-mf – 4192) 375558
Afanas'ev, G.G.
Effect of hydroxyurea on reparation of radiation-induced damages to LL cells in a stationary phase of growth. 349690
Afanas'ev, G.N.
On additional integrals of motion in classical and quantum mechanics. (JINR-R – 2-10360) 376885
On the possibility of the unified description of nuclear levels and experiments on the alpha-particle and electron scattering. 354027
Afanas'ev, M.M.
Optical orientation in ferromagnetic europium sulfide. 368726
Afanas'ev, N.G.
Inelestic scattering of 1,2 GeV electrons by Al and Ti nuclei. (KFTI – 76-27) 362031
Afanas'ev, S.A.
Device for synthesis of decomposing semiconductor compounds in ultrasonic field. (INIS-mf – 3914) 349385
Afanas'ev, S.N.
Gamma radiolysis of aqueous solutions of dimethylamine. 365035
Afanas'ev, T.V.
Study of high-temperature hydrolysis of melts K_2TaF_7-KCl-NaCl and K_2NbF_7-KCl-NaCl. (INIS-mf – 4187) 375477
Afanas'ev, V.A.
Detection of liquid metal coolant boiling-up. 376450
Reactivity change rate during the BOR-60 reactor core life. 358403
Afanas'ev, V.D.
Irradiation effect on the silumin mechanical properties. 349580
Afanas'ev, V.K.
Specific features of effect of electrolytic hydrogen adsorption on diffusion during chemical heat treatment. (INIS-mf – 4046) 369849
Structure of Al-Mg-Ti and Al-Mg-Zr alloys. 369890
Afanas'ev, V.P.
Charged particle analyzer. (Soviet patent document 433435/A/) 355489
Thermoionization efficiency in the ion source cavity. 355071
Afanas'ev, V.S.
On the evaluation of porosity and the nature of the effusive rock saturation of the Muradkhanly area (from complex exploration-geophysical studies). 362585
Afanas'ev, Yu.A.
Formation enthalpy of lanthanum and neodymium trifluorides. 359630
Formation of certain mixed cadmium complexes. 369710
On the enthalpy of yttrium trifluoride formation. 369648
Afanas'ev, Yu.V.
Absorption and reflection of laser radiation by a spreading high-temperature plasma. 358909
A stationary model of the 'corona' of spherical laser targets. 348868
Afanas'eva, N.A.
Fine crystal structure and coercive force of RCo_5 alloys. (INIS-mf – 3839) 367239
Afanas'eva, T.V.
Investigation of neptunium (6) and plutonium (6) oxidation by ozone in alkaline solutions. 359746
Afanasiev, V.A.
Sodium boiling experiment in the reactor BOR-60. (ZfK – 344) 374272

Afanasov, M.I.
New ^{57}Co source for Moessbauer spectroscopy. 357866
Afansiev, A.M.
Nuclear gamma resonance in iron sulphates of the jarosite group. (INP – 871/PS) 371547
Affrossman, S.
X-ray photoelectron studies of scandium and its hydride and oxide. 355983
Afgan, N.
The role of nuclear research centres in the introduction of a nuclear power programme. 371311
Afnan, I.R.
Comparison of the unitary pole and Adhikari-Sloan expansions in the three-nucleon system. 359366
Fundamentals of three-body scattering theory. 372352
The pion-nucleus interaction. (FIAS-R – 22) 356379
Three nucleon results for one boson exchange potential. (FIAS-R – 25) 356572
Afon'kin, V.G.
Investigation of temperature conditions on the surface of niobium bath during plasma-arc melting. 367218
Afonichev, D.D.
Low-temperature electrochemiluminescence of uranyl at high potentials in binary system. (INIS-mf – 4195) 378498
Afonin, Yu.D.
Mechanism of thermal dehydration of Ti and Zr hydroxides. 359679
Afonina, T.A.
Extraction of rare earths with mixtures of TBP and quaternary ammonium base salt from nitrate solutions. 369753
Afonskaya, I.A.
Electric conductivity of germanium-plumbium-borate glasses. 349577
Afonyashin, Yu.A.
OSK-3 point display for the 1010VM mini computer. (ITEF – 63) 350344
Africano, J.
A search for rapid optical periodicities from Cyg X-1. 366744
Afrikanov, I.N.
Effect of ion doping on the blistering in OKh16N15M3B steel. (INIS-mf – 3954) 362533
An investigation of helium release from structural materials during heating. 360124
Study on Ni and OKh16N15M3B steel radiation swelling under Ni ions bombardment at energy up to 300 keV. (INIS-mf – 3954) 362552
Afrosimov, V.V.
Atomic particle analyzer. (Soviet patent document 409316/A/) 379850
Elementary processes of change of charge states of particles in collisions of He^{2+} ions with Xe atoms. (INIS-mf – 3915) 348632
Fluorescence yield decrease for inner vacancies produced in close atomic collisions. 358694, 376958
Interaction of He^{2+} ions with hydrogen molecules. (INIS-mf – 3915) 348633
KK-LLL three-electron Auger transitions. 376957
The processes of electron capture from noble gas atoms to different states of multiply charged argon ions. 358693
Production of He^{+} ions in different electron states in He^{2+} – He collisions. (INIS-mf – 3915) 348634
Two-electron-one-photon transitions in ions with two $L_{2,3}$-vacancies. 376956
Afzal, S.A.
Science, technology, and cooperation among developing countries. 352509
Afzal, S.M.J.
Effect of varying concentrations of caffeine and ascorbic acid on the radiosensitivity of barley seed irradiated in oxygenated or oxygen-free hydration medium at 25 and 370°C. 365372
Agababyan, Eh.V.
Electrophysical properties of solid solutions in the TiN-[MnN] and VN-[MnN] systems. 354579
Agababyan, N.M.
Determination of $\pi^{-12}C$ total cross section at 4.9GeV/c. (EFI – 211(3)-77) 375057
Agaev, V.G.
Study on electron traps in $CdInGaS_4$ monocrystals. 371546
Agaev, Z.Z.
Extraction cadmium from alkaline solutions. 375396
Extraction of zinc and cadmium from ammoniacal solutions. 375397
Agafonov, Yu.A.
Production of H^- ions while proton charge exchange at 0,3-1,0 KeV in thick jets of Cs and Na vapors. (INIS-mf – 3915) 371455
Agamirova, O.M.
Extraction-photometric determination of some d-elements with polyphenols in the presence of aromatic amines. (INIS-mf – 4192) 375217
Agamy, S.A.
Scattering of medium energy light ions and neutrals from silicon and silver-silicon systems. 368871
Agan'yants, A.O.
Asymmetry of eta meson photoproduction cross section by polarized photons in the resonant energy range. 369340
Agantaeva, N.I.
Use of the FEU-114 photomultiplier with dynode gills system in the regime of photon counting. 371149
Agapito, J.F.T.
Geo-engineering review and proposed program outline for the structural design of a radioactive waste repository in Columbia Plateau basalts. (RHO-ST – 6) 380029
Agapov, N.N.
Experimental study on helium cryogenic ejector. (JINR – 8-8608) 352412
Agapov, R.A.
Thulium and ytterbium mechanical properties. (INIS-mf – 3839) 357333
Agapova, N.P.
Effect of ion doping on the blistering in OKh16N15M3B steel. (INIS-mf – 3954) 362533
An investigation of helium release from structural materials during heating. 360124
Study on Ni and OKh16N15M3B steel radiation swelling under Ni ions bombardment at energy up to 300 keV. (INIS-mf – 3954) 362552
Agard, M.
'Like-backbending' effect in the ^{66}Zn nucleus. (ISN – 77-21) 369471
Core-plus-particle coupling description of the ^{63}Zn high-spin levels. (ISN – 77-41) 359466, 364752
High spin states in ^{62}Cu. (ISN – 77-24) 359536
High spin states of ^{62}Cu. 372822
Yrast states in ^{62}Cu. 356731
Agarwal, B.K.
A new form for the nucleon-nucleon potential. 354028
Study of X-ray L2 absorption edges of Gd, Dy, Ho and Er in metals and compounds. 369516
Agarwal, B.R.K.
Study of X-ray L2 absorption edges of Gd, Dy, Ho and Er in metals and compounds. 369516
Agarwal, S.
Evidence for a short lifetime and a long lifetime regime in the deep inelastic collisions between ^{40}Ca and ^{64}Ni at 182 MeV. 372694
Fusion and deep inelastic collisions studied on the Ar + Au system. Pt. 2. 356765
Intrinsic time resolution of detectors in a time-of-flight spectrometer. 355578
Neutron activation analysis of impurities in gallium phosphide. 375213
Agarwal, S.C.
Application of dual-ion irradiations to fusion materials problems. 358987
Agarwala, G.C.
Integrated planning for a fuel industry, with emphasis on the minimum size appropriate for fabricating one's own fuel. 365829
Agarwala, R.C.
Pm(III), Eu(III), Tb(III), Pd(III), Pt(II) and Ir(II) complexes of picramic acid. 367063
Agarwala, U.
β-diketonato (triphenylphosphine) complexes of ruthenium(II). 372986
Agassi, D.
Transport theory of deeply inelastic heavy-ion collisions based on a random-matrix model. I. Derivation of the transport equation. 366920
Agasyan, P.K.
Coulometric titration of rhenium(7) by electrogenerated titanium (3). 375239
Agazade, G.Sh.
Effect of SAN-1 copolymer on the thermal stability of γ-irradiated special fuel. 357424
Agazade, T.Sh.
On a possibility of production of neutral petroleum distillates using high energy irradiation. 375703
Agee, L.J.
LOCA capability for utility applications. 360450
Ageenkov, A.T.
On hydrogen adsorption by zirconium alloys at elevated temperature. 375806
Ageev, A.I.
Experimental study on helium cryogenic ejector. (JINR – 8-8608) 352412
Ageev, H.V.
Texture of welded joints of commercial titanum alloys. 378579
Ageev, N.V.
Effect of pickling on some titanium-base alloys depending on their structures. 369891
Study of some ternary solid solutions on V_3Si compound base. 378581
Ageev, P.Ya
Liquation of gases in the process of high chromium steel ingots crystallization and their distribution in the final products. 357239
Ageev, V.D.
Electrodeposition of cobalt-nickel-boron alloys and their properties. 362208
Ageev, V.N.
Electron-simulated desorption of oxygen from iridium. 368727
Agelao, G.
Comparison of X-ray fluorescence and optical density methods for evaluation of exposures of dosimetric films. 371073
Agemar, F.
Functional testing of safety and relief valves in Karlstein. 370807
Agerup, C.C.
Experience with a new ultrasonic inspection system for non-destructive examination of precision tubes. 355223, 376434
Aggarwal, M.M.
Charged particle multiplicity in 400 GeV/c p-nucleus interactions in nuclear emulsion. 372498

Aggarwal, S.K.
Determination of magnesium at trace levels by isotope dilution. 364837
Lead tracer technique for the accountability of plutonium (LEADTRAP). (BARC – 904) 376848
Aggson, T.L.
Observations of large transient magnetospheric electric fields. (N – 77-25711) 370287
Aglamazov, V.A.
Study on the characteristics of the cascade showers produced by muons in iron in the energy range from 0.3 to 3 TeV. 361656
Aglitskij, E.V.
Laser-produced dense plasma diagnostics based on spectra of hydrogen-like and helium-like multicharged ions. 348869
Agneessens, J.P.
Use of radioactive methods in surface and ground hydrology. 378897
Agnew, J.E.
Clinical trial of four pancreatic scanning agents. 379086
Agostinelli, A.
Pre-service and in-service inspections on ENEL reactors. 365762
Agrafiotis, D.
Nuclear energy and public opinion: arousal of a myth. 355675
The public and nuclear energy. 370521
Agranat, B.A.
Cavitation strength of melts of decomposed semiconductor joints of HgTe-CdTe alloy system. (INIS-mf – 3914) 349480
Peculiarities of HgTe-CdTe alloy system crystallization in ultrasonic field. (INIS-mf – 3914) 369930
Physical and chemical investigation of the HgTe-CdTe system. 362397
Using erosion activity criterion for the evaluation of optimum conditions for molten alloy ultrasonic homogenization. (INIS-mf – 3914) 349426
Agranovich, V.M.
Effects of strong anharmonism of optical phonons in spectra of inelastic neutron scattering. 350700
Problems of simulation of radiation-induced defects in crystals. 363938
Agrawal, A.K.
Simulation of transients in liquid-metal fast breeder reactor systems. 373781
Unified model for fission gas release and sodium boiling in reactor coolant channel. 352280
Agrawal, D.C.
Effect of geometry on the observed dependences in the nuclear potential. 372576
Effect of stripping channel on (d, d) and (d, p) reactions on ^{52}Cr target. 354029
Agrawal, M.S.
Teletherapy unit timer error – in determination. 349935
Agrawal, P.N.
Proper interfacing of nuclear power stations with the regional power systems in India. 379597
Agrawal, S.
Studies with inorganic ion exchange membranes – a membrane selective to strontium ion. 367088
Agrawal, S.K.
Increase of the electrical resistance of thin aluminium film due to 14 MeV neutron irradiation. 370122
Agrawal, Y.K.
Gravimetric determination of uranium with N-m-tolyl-m-nitrobenzohydroxamic acid. 351430
Spectrophotometric determination of Mo(VI) with benzohydroxamic acid. 367018
Agreh, B.A.
Effect of dialkylphosphites on fire resistance of irradiated polyethylene. 359768
Agrinier, B.
A 1m^2 gamma ray spark chamber telescope for the energy range 10-100 MeV. 379929
Agrinskaya, N.A.
Method for molybdenum extraction. (Soviet patent document 456792/A/) 375398, 375618, 375619
Agrinskaya, N.V.
Hopping conductivity of CdTe < Cl > compensated crystals of p-type. 371548
Agronomov, A.E.
Mechanism of isomerization of hexene-1 on transition metal hydrides. 369665
Agthe, G.
FLEX – a code for calculating neutron flux microdistributions in lattices consisting of hexagonal fuel assemblies. 355242
Agu, Masahiro
On the concept of importance in Markoffian processes. 372550
Aguado, M.
Simultaneous assay by six methods of the effect on haemopoietic precursor cells of adriamycin, methyl CCNU, ^{60}Co γ-rays, vinblastine, and cytosine arabinoside. 373515
Agudin, J.L.
Helicity and evanescent waves. 376886
Agudo, E.G.
Radioisotopic techniques in the study of pollutant effluents dispersion. Dispersing capacity of water bodies. (IEA-TI – 49) 351961
Aguer, P.
Deformed-quasiparticle basis for calculating potential energy surfaces and nuclear spectra. 364698
Aguilera-Navardo, V.C.
General coefficients for Talmi expansions of matrix elements. 353031
Aguilera-Navarro, M.C.K.
DU and UD-invariants of unitary groups. (IFT – 243/77) 353018
Aguilera-Navarro, V.C.
DU and UD-invariants of unitary groups. (IFT – 243/77) 353018
Low density clustering effects of Skyrme interactions in nuclear matter. (IFT – 251/77) 351263
Some calculations for ^{12}C in the α-particle model. 366921
A variational calculation of ^{12}C in the α-particle model. 350472
Aguirre, E.J.
Industrial integration of the fuel cycle in Argentina. 369839
Agurell, S.
Perfusion of the isolated rat brain with [^{14}C]-Δ^1-tetrahydrocannabinol. 367588
Ahafia, A.K.
An investigation of the count ratio technique for the resolution of two-component annihilation spectra. 375146
Ahgren, R.
Design and operation of the rf-system for the VICKSI cyclotron. 363353
Ahier, R.G.
The response of the mouse ear to heat applied alone or combined with X-rays. 373533
Ahlberg, M.S.
Comparison of yield versus depth for particle induced and photon induced X-ray emission analysis. 356925
Ahlborn, B.
Reduction of particle end losses from linear magnetic fusion devices. 364252
Ahlen, S.P.
Return to unsaturated response of polymeric scintillators excited by relativistic heavy ions. 368265
Ahlf, J.
Design of an irradiation device for the determination of the in-pile creep behavior of zircaloy cladding tubes under internal and external over-pressure, in FRG-2. 360737
Ahlgren, F.F.
Acoustic transducer for nuclear reactor monitoring. (US patent document 4,020,693/A/) 374150
Ahlgren, W.L.
Optical and electrical experiments at some transition-metal oxide foil-electrolyte interfaces. (COO – 4381-1) 362504
Ahlquist, A.J.
Radiological survey and decontamination of the former main technical area (TA-1) at Los Alamos, New Mexico. (LA – 6887) 378821
Ahlstrom, H.G.
Diagnostics of inertial confinement fusion experiments. (UCRL – 79894) 371707
Exploding pusher experiments utilizing a 4π illumination system. 372041
Laser fusion experiments at 2 TW. 371708
Laser fusion implosion and plasma interaction experiments. (UCRL – 79819) 366489
Pinhole imaging of laser-produced thermonuclear alpha particles. (UCRL – 79780) 377365
Shiva target irradiation facility. (UCRL – 79784) 377476
Sub-keV, subnanosecond measurements of x-ray spectra from laser-produced plasmas. (UCRL – 79782) 377458
Use of x-ray imaging on laser fusion experiments. (UCRL – 79817) 366506
Ahlstrom, S.W.
Biological availability of energy related effluent material in the coastal ecosystem. (BNWL – 2100(Pt.2)) 362931
Multicomponent mass transport model: theory and numerical implementation (discrete-parcel-random-walk version). (BNWL – 2127) 365250
Ahmad, A.A.Z.
Priorities for nuclear research and development in developing countries. 352510
Ahmad, I.
Coulomb excitation experiments in ^{148}Sm, ^{150}Sm, ^{152}Sm, and ^{154}Sm. (ANL – 77-60) 378062
Coulomb excitation in even-N Sm nuclei. (CONF-770968 – 10) 372814
The measurement of radon and thoron by solid state nuclear track detectors. 371109
Role of a national research organization in the transfer of nuclear technology. 352511
Survey of single particle states in the mass region A > 228. 372596
The 2$^+$ inelastic scattering of high-energy pions on ^{12}C. 351205
Ahmad, I.A.
Coronal He$^+$ lambda304 radiation. 353661
EUV analysis of polar plumes. 353660
Ahmad, M.
Development of a national nuclear power programme. Constraints likely to influence timing and introduction. 371246
Ahmad, S.N.
Carbon isotope composition of graphite and carbonate minerals from 3.8-AE metamorphosed sediments, Isukasia, Greenland. 357491
RAPS fuel handling control system performance and improvements. 379718
Ahmad, S.R.
Effect of ^{60}Co-γ radiation on crystal structure of normal high paraffins. 375672
Ahmadi, Goodarz
On the irreversibility of electrostatic plasma turbulence. 371709
Ahmed, A.
Tritiated thymidine incorporation and cell-mediated lympholysis as

correlates of acute graft-versus-host reaction. 367641
Ahmed, F.
Neutron diffusion in finite blocks of beryllium. 363392
Space- and angle-dependent steady-state thermal-neutron spectra inside finite prisms of graphite. 357413, 372559
Ahmed, H.
Comparative study of insecticide residues in rice plants. 379160
Ahmed, M.
People transfer: a sine qua non for technology transfer. 352512
Ahmed, M.F.
Electrocrystallization of cadmium on copper single crystal planes under the influence of an asymmetric alternating current. 357205
Ahmed, M.Y.Y.
Sterilization of 4-5-day-old pupae of the Indian meal moth with gamma radiation and its effect on mating competitiveness. 376166
Ahmed, N.
Temperature factors of UO_2 and UOsub(2.11) by powder elastic neutron diffraction. 362511
Ahmed, S.B.
Economic model of the U.S. uranium mining industry. 374469
Ahmedov, A.P.
KK-LLL three-electron Auger transitions. 376957
Ahmon, M.
Design and fabrication of lead hexagonal multihole collimators. 361014
Ahnert, C.
A comparison of the eigenvalue equations in kappa, α, lambda and γ in reactor theory. Application to fast and thermal systems in unreflected and reflected configurations. (JEN – 392) 374144
Ahonen, A.
An intravenous isotope method for measuring regional cerebral blood flow (rCBF) and volume (rCBV). 349808
Ahrens, H.
Charge-asymmetry equilibration in the reaction of $^{129\ 132\ 136}Xe$ with ^{197}Au near the interaction barrier. 366989
A gas-jet recoil-transport system for fission products and its application to a continuous chemical separation procedure in the gas phase. 367152
Ahsan, M.
Need for regional cooperation among developing countries for nuclear fuel cycle centers. 351681
Regional fuel cycle centres for South and South-East Asia. 368408
Ahsan, Zafar
On the geometry of null congruences in general relativity. 366242
Ahsanul-Haq, M.
Induction of resistance to yellow mosaic virus in mungbean through induced mutations. 373753
Ahtee, A.
Determination of the structure factors of a LiF powder sample by the energy dispersive x-ray diffraction. (HU-P – 125) 364140
Ahtee, M.
Structural phase transitions in sodium-potassium niobate solid solutions by neutron powder diffraction. 371549
Ahuja, S.
Effects of multiple TRH stimulation on the release of pituitary gland and thyroid hormones. (INIS-mf – 4010) 370454
Aichberger, K.
Mercury levels in cereals and vegetables. 354900
Aichelburg, P.C.
Exactly soluble system of relativistic two-body interaction. 372499
A remark on radiation damping. 355716
Aiello, S.
Interstellar graphite grain temperature and infrared optical constants. 366661
Aiginger, H.
Measurements of doses in the mrad range by means of LiF, CaF_2 and $CaSO_4$ dosemeters and determination of the nergy response of LiF and CaF_2. 355593
Aiginger, P.
Extraction of Tc-sulfur-colloid and liver and spleen uptake in patients with chronic diseases of the liver parenchym and neoplasms. (INIS-mf – 4010) 367685
Aikman, D.
Translocation of ^{11}C from leaves of Helianthus: preliminary results. 360388
Aikman, G.C.L.
Uranium and thorium in Ap stars. 361682
Ainsworth, E.J.
Dose-effect relationships for fife shortening, tumorigenesis, and systemic injuries in mice irradiated with fission neutron or ^{60}Co gamma radiation. 354765
Great Lakes waters: radiation dose commitments, potential health effects, and cost-benefit considerations. (ANL/ES – 58) 362593
Airoldi Crescentini, A.
Quasi-linear processes in the slide-away regime of a toroidal plasma. (INIS-mf – 3963) 371710
Aisch, F.W.
Fuel element for a nuclear reactor. (German (F.R.) patent document 2413464/B/) 355325
Aitchison, I.J.R.
Relativistic three-pion dynamics in the ω channel. 369399
Rescattering effects in the Deck model. 356380
Aitken, A.
Quantitative approach to reliability of control and instrumentation systems. 373782
Aitken, E.A.
Direct measurements of oxygen activity thresholds for liquid alkali metal-oxide fuel reactions. (CONF-760503 – P2) 352182
Aitken, J.H.
Continuous and grab sampling determinations of radon concentrations. (HASL – 325) 378899
Radon concentrations in contaminated and uncontaminated premises in two Ontario towns. (HASL – 325) 378900
Aitken, K.L.
Metal ion sources for plating. 377176
Aitov, T.N.
Hydrodynamics of a lithium blanket of a thermonuclear reactor. (INIS-mf – 3954) 364153
Aittola, P.
Studies on the incorporation of spent ion exchange resins from nuclear power plants into bitumen and cement. 358472
Aiyar, A.S.
Multigeneration feeding studies with an irradiated animal feed. 352150
Studies on the possible mutagenicity of irradiated diets in rodents. 352143
Aizawa, Tomihiko
Performance deterioration of silicon semi-conductor detector by proton irradiation. 355632
Aizawa, Yukiyoshi
Quantitative analysis of hydrogen in titanium with an ion microanalyzer. 359567
Aizu, Ko
Extended radio sources in clusters of galaxies. 359043
Aizu, Tadashi
Coolant recirculation system. 368089
Ajai
Resonant scattering of intense beam of radiation by N-atoms contained in a small volume. 348635
Ajaj, E.
A precision neutron diffraction study of tetragonal RbH_2PO_4. 377151
Ajdamirov, M.A.
Electroconductivity and thermoelectromotive force of $TlAsS_2$, $TlAsSe_2$, $TlAsTe_2$ compounds in solid and liquid states. 355931
Electroconductivity of As_2Se_3, As_2Te_3 and alloys in As_2Se_3-As_2Te_3 system in solid and liquid states. 348750
Ajeet, J.B.
Consideration in the design and fabrication of nuclear heat exchangers. 374232
Ajello, J.M.
Ultraviolet spectrometer experiment for the Voyager mission. 374884
Ajima, Fumisaku
Core construction of a reactor. 368107
Fuel assembly for nuclear reactor. 368036
Ajmani, S.K.
Bone scan artifact caused by hyperhidrosis: case report. 352081
Ajrapetyan, B.B.
On the possibility of simultaneous extraction of particles along several beam lines at the Yerevan synchrotron. (EFI – 176(22)-(76)) 350050
Study of coherent synchrotron oscillations of the Yerevan synchrotron beam at the acceleration of particles up to 3 GeV. 350049
Ajtimbetov, K.
Erbium bromides-acetamide-water and erbium acetate-selenocarbamide-water systems at 30 deg C. 351464
Ajtmukhambetov, A.A.
Energy spectrum of cosmic rays at energy range 10^6-$2x10^{10}$ eV. 356169
Ajuria-Garza, S.
Exploration, mining, and milling of uranium ore in Mexico. 360133
Ajvazov, A.A.
Evaluation of positional component of entropy of fusion of semiconductor compounds considering their dissociation at fusion point. 349427
Investigation of temperature dependence of sound velocity in the melts of aluminium, gallium and indium antimonides. 349467
Ajvazov, M.I.
Electrophysical properties of solid solutions in the TiN-[MnN] and VN-[MnN] systems. 354579
Ajzentson, E.G.
Ultrasonic effect on the austenite subgrain disorientation and fatigue strength of the steel-1Kh18N10T. (INIS-mf – 3914) 349428
Ajzikov, B.Ya.
Temperature fields in charged-particle-irradiated polymers. 375952
Akagane, K.
Design considerations of fission and corrosion product in primary system of MONJU. (IWGFR – 7) 361005
Akahori, Masaji
A pilot plant of continuous bituminization process for solidifying radioactive wastes. 350397
Akaike, Akira
Hepatic accumulation of sup(99m)Tc-Sn-diphosphonate. 379187
Normal distribution of ^{111}In chloride on scintigram. 349869
Akaishi, K.
Sputtering yields of graphite, copper, using torsion microbalance technique with keV region H^+, He^+ and Ar^+. 368728
Akaishi, Kenya
Application of torsion vacuum microbalance to sputtering yield measurement. 371711
Akaiwa, Hideo
The standard reference materials and the precision of analytical values in environmental analysis. 359560

Akamatsu, Teruaki
Numerical calculations on reflection processes of ionizing shocks on the end wall of a shock tube. 359169
Akamatsu, Y.
Involvement of membrane lipids in radiation damage to potassium-ion permeability of Escherichia coli. 378991
Akande, E.O.
Radioimmunoassay of follicle stimulating hornone in human plasma. 370455
Akanuma, A.
High-dose rate intracavitary radiation therapy for advanced head and neck tumors. 373556
Akap'ev, G.N.
The use of argon ions for production of nuclear filters. 374778
Vacancy porosity in metals irradiated with accelerated Fe ions. (JINR-R – 14-8801) 349586
Akasaka, Yuzo
Endoscopical studies on radiation proctitis using dye spraying method. 349770
Akashi, M.
On the f' spectrum of high-energy gamma-ray families. 374869
Akasofu, S.
Dawn-dusk gradient of the precipitation of low-energy electrons over the polar cap and its relation to the interplanetary magnetic field. 370304
Response of the dayside aurora to sharp northward and southward transitions of the interplanetary magnetic field and to magnetospheric substorms. 351969
Search for the magnetic neutral line in the near-earth plasma sheet 3. An extensive study of magnetic field observations at the lunar distance. 360201
Akatkin, O.A.
Determination of the effective coefficients of absorption of long-wave bremsstrahlung. 363082
Akatov, L.L.
Amplification of acoustic noises in CdS crystals along C_6 axis. 374771
Akatsu, Eiko
Data of ion exchange. (JAERI-M – 7168) 367064
Akatsu, Hideaki
Radioactive gas monitor. 368015
Akazawa, Takashi
Biosynthetic mechanism of glycolate in Chromatium, (3). 349835
Biosynthetic mechanism of glycolate in Chromatium, 4. 349834
Akbaev, K.M.
Charged particle analyzer. (Soviet patent document 433435/A/) 355489, 355490
Akbashev, V.S.
Experience in application of electric radioisotopic injector ERI-I to study pumping wlls in the Samotlorskoe field. 349662
Akber, R.A.
The development and use of solid-state nuclear track detectors (SSNTDs) for reactor physics experiments. 376709
The measurement of radon and thoron by solid state nuclear track detectors. 371109
Radon and thoron dosimetry by plastic solid state nuclear track detectors. 367375
Akberov, G.A.
Distribution of radioactive elements in ores of basin of Terter and Tutchun rivers of Kelbadzhar region. (INIS-mf – 4040) 378555
Akebi, M.
Development of automatic ISI tool for the 'Fugen' prototype advanced thermal reactor. 365901
Aked, N.
Spectroscopic study of gamma irradiated $KMgF_3:Co^{2+}$ single crystals. 357400
Akerlof, C.W.
Measurement of phi production in proton-nucleus collisions at 400 GeV/c. 366877
New limits on D^0(1.865) production in proton-nucleus collisions at 400 GeV/c. 361882
Akerman, K.
New possibilities for the use of radioactive tracers in the cement industry. 357896
Study and control of industrial procedures using short-lived radio-isotopes produced in-situ. (EURISOTOP – 106) 360579
Akgaev, A.
Hall effect and transversal magnetoresistance in invar iron-nickel alloy single crystals at low-temperatures. 378580
Akhababyan, N.O.
Investigation of rho^0 and ω mesons production in π^- p interactions at 40 GeV/c. 375060
Akhalaya, M.Ya.
Taurine content of tissues of irradiated rats. 370336
Akhalkatsi, A.M.
The effect of low radiation doses on the residual magnetization vector of rocks. 349154
Akhapkin, A.S.
Device for control of heavy charged particle range before the irradiation object. (Soviet patent document 420298/A/) 352398
Akhenbakh, Eh.
Generalization of measurements of local and integral heat transfer while transverse stream-lining of smooth and rough cylinders. (INIS-mf – 3957) 363095
Akhiezer, A.I.
Collision cascades in the solid. (KFTI – 75-35) 353392
Stationary nonlinear plasma oscillations with account for particle capture. 348870
To the theory of damping of magneto hydrodynamic waves in a high-temperature plasma. 368909
Akhiezer, I.A.
Collision cascades in the solid. (KFTI – 75-35) 353392
Akhiyarov, V.Kh.
Optimal geophysical complex and methods for investigation of peleogene and upper cretaceous deposits in search and exploratory wells in the northern areas of Tumen region. 367380
Akhmadiev, A.G.
Investigation into electrochemical behavior of molybdenum VM-1 alloy at high current density. 349421
Akhmatov, V.I.
On the stability of heat-resistant oxygen-free compounds in low-temperature plazma. 357346
Wetting of plasma coatings with liquid aluminium. 369892
Akhmed, M.R.
De-excitation of ^{133}Cs levels excited in the (n, n'γ) reaction. 375154
Level scheme of sup(105)Pd. 359375
Akhmedli, M.K.
Analytical characteristics of yttrium and lutetium compounds with chromazurols, 8-oxyquinoline and pyridine. (INIS-mf – 4192) 375214
Akhmedov, A.A.
Generation of electric pulses by indium selenide monocrystals. 350699
To the problem on anomalous photoconductivity in indium selenide monocrystals. 374649
Akhmedov, D.M.
Compton scattering on protons at low energies. 353752
Akhmedova, G.A.
Extraction-photometric determination of some d-elements with polyphenols in the presence of aromatic amines. (INIS-mf – 4192) 375217
Akhmedova, M.M.
Gamma induced chromosomal aberrations in meristem cells of cotton hybrids and their parental forms. 362651
On the problem of γ-radiative defects in crucibleless high-resistance silicon. 348766
Akhmerov, R.V.
Inelestic scattering of 1,2 GeV electrons by Al and Ti nuclei. (KFTI – 76-27) 362031
Akhmet'eva, E.A.
Isotope ratio of carbon in lipids of the zooplankton from the Kuril-Kamchatka region of the Pacific Ocean. 349776
Akhmetov, E.Z.
Gaseous and frozen-up converters as ultracold neutron sources. (INIS-mf – 3895) 354001
Measurement of ultracold neutron spectrum. (INIS-mf – 3895) 354000
Akhmetov, S.F.
Attenuation of ultrasound in doped crystals of alumo-yttrium garnet and alumo-magnesium spinel. 355932
Akhmetova, S.D.
Colour and fluorescent reaction of scandium with 1,10-phenanthroline and tetrabromofluorescein. (INIS-mf – 4192) 375310
Akhmetshin, B.Kh.
Results of testing a gamma-spectrometric activation method for quantitative determination of copper in the Ural fields. 351917
Akhmetzhanov, I.S.
On reaction of tributyl phosphite with iodine. 369583
Akhrem, A.A.
Chemical models of chains electron transfer in hydroxylating ferment systems. 378193
Akhrem, I.S.
High activity of $MoCl_5$ in the cleavage of Si-C bond in tetraalkyl- and arylsilanes. 378194
Akhundov, A.A.
Calculation of the positronium beam intensity from electron accelerators. (JINR-R – 2-9565) 363863
Akhundov, G.A.
Photoconductivity and photoluminescence of InS monocrystals. 349229
Akhvlediani, I.G.
Spectroscopic study of structural chemical transformations in polyvinylidenefluoride under action of ionizing radiations. 354428
Akiba, E.
Two-component structure of the geometrical pomeron. 354006
Akiba, Mitsunori
JFT-2 tokamak neutral injector and preliminary results of additional heating experiment. (JAERI-M – 7043) 366634
Akif'ev, A.P.
Chemical and radiation-induced mutagenesis of the rat liver chromosomes. 354786
Modification of radiation-induced damages to chromosomes in Crepis capillaris L. seeds by inhibition of additional DNA synthesis if G_2 phase. 349723
Akilov, F.S.
Time spectroscopy of atomic nuclei. 350289
Akimchenko, I.
Influence of ion-implanted oxygen on the electrical and optical properties of amorphous germanium. 370250
Akimchenko, I.P.
He backscattering and infrared absorption studies of natural diamond containing high concentrations of implanted silicon. 370123
Akimenko, N.I.
On the anisotropy of relaxation time in Pb Te. 361410
Akimenko, S.A.
Shower spectrometer with a combined radiator. 361015

Akimoto, Masayuki
ALARM-B1: a computer program for boiling water reactor blowdown analysis. (JAERI-M – 6968) 350438
Akimoto, Seiichi
Construction for supporting a neutron detector tube. 350183
Fuel assembly. 368090
Shock absorber for protecting the upper lattice of a reactor from earthquake. 368099
Akimov, V.
An acceleration evaluation of the performance of the Soviet-French wide-gap spark chamber for gamma-ray astronomy. 368266
Akimov, V.K.
Extraction of thorium with some pyrazolone derivatives. A new version of photometric determination of thorium with arsenazo 3. 364838
Extraction-photometric methods with substitution of reagent. (INIS-mf – 4191) 375215
Photometric determination of molybdenum by dithiopyrylmethane of propyl dithiopyryl methane in titanium alloys. (INIS-mf – 4191) 375374
Akimov, V.N.
Investigation of iron-nickel alloys by means of X-ray emission spectroscopy. 349490
Akimova, E.P.
Universal method for revealing primary structure in cast alloys on iron-nickel-chromium and nickel-chromium base. 357243
Akimova, T.G.
On the nature of azo compounds, formated during synthesis of arsenazo 3. 375249
Akimune, Hideo
Energy balance in two-component plasma. 348982
Akin, J.E.
Finite element stress analysis of orthotropic solenoids. (CONF-771029 – 61) 371875
Magnetoelastic energy calculations for finite element analysis of superconductors. (CONF-771029 – 99) 379442
Akinci, R.
Infrared light curves of AM Herculis. 369115
Akindinov, V.A.
Radiometric analysis of P_2O_5 in phosphorite ore on a conveyer belt. 354640
Akino, K.
Aseismic design of nuclear power plants in Japan. 352183
Akins, R.E.
Simulated atmospheric disperison of radioactive material released in an urban area. (SAND – 77-0854C) 373449
Akiyama, H.
Collapse test of a model shipping cask under high external pressure. 350044
Akiyama, Hidenori
Experiment of double resonance parametric process in a plasma. 377325
Akiyama, Hiromitsu
Balloon observations on the lunar occultation of the hard x-ray source in the Crab Nebula. 348993
The precise measurement of nebula by utilizing the lunar occultation. 377608
Akiyama, S.
The model rotor for the 6 MVA superconducting generator. 360599
Akiyama, Shigeo
Determination of deuterium in metal by vacuum fusion-mass spectrometric method. (PNCT – 831-76-01) 378182
Water analysis of ATR fuel rod by gravimetry. (PNCT – 831-76-01) 379707
Akiyama, Yoko
Nitrogen uptake and assimilation by corn roots. 367721
Akizuki, Sho
Radiation-induced skin cancer of the hand. 354817
Akker, H.P. van den
Sequential salivary gland scintigraphy using technetium-99m and carbachol. A clinical test. 354920
Akkerman, A.F.
Correlations between the elastic energy transferred in solids by implanted hydrogen ions and hydrogen trapping. 371550
Akkerman, G.
Study on regimes of nuclear power plants with WWER-type reactors. 376500
1-phenyltetrazolinethion-5 as reagent for group concentration of platinum metals and gold. 375336
Akkermans, J.
The effective proton-deuteron interaction in odd and doubly-odd N=49 or 51 nuclei. (INIS-mf – 4267) 377853
Akkuratnov, Yu.A.
Ten years' operation experience of the Novovoronezh nuclear power plant. 368141
Akkuratova, E.M.
Radiation lacing of rubbers in the presence of polyfunctional unsaturated compounds. 362270
Akobirova, A.T.
Metal-p-semiconductor-metal structure on the basis of CdTe as a spectrometric detector for nuclear radiation. 376600
Akoev, I.G.
Membrane potential of mitochondria from the liver of irradiated rats. 373477
Protective aspect of mitotic division delay. 354795
To the action mechanisms of bioprotectors. 354766
Akomov, A.A.
The cell proliferation kinetics of the tumor NK/Ly after single and fractionated irradiation by fast electrons. 349703
Akopov, E.K.
Interaction of components in quaternary mutual system of chlorides and sulfates of lithium, sodium and cesium. 362143
Akopov, K.S.
Improvement of rotor-pulsation apparatuses for machining of high-abrasive media. (INIS-mf – 3914) 349572
Akopova, A.B.
The separation of heavy ion tracks in nuclear emulsions by means of the pulsed electric field. 368267
Akopyan, A.S.
Studying lattice period changes in ruthenium base ternary solid solution using experiment mathematical planning method. 349429
Akopyan, A.V.
Bremsstrahlung by relativistic electrons in a plasma located in a strong magnetic field. 377326
Akopyan, G.G.
Spin dependence of the total neutron cross section of ^{169}Tm and ^{141}Pr in the neutron energy range up to 100 keV. (JINR-R – 3-10835) 377954
Akopyan, G.S.
Study on some reasons for track displacement in a spark chamber. 358329
Akperov, G.K.
Study on the influence of selenium crystallization on the strain-resistance effect in diodes. 355930
Akram, N.
Effects of gamma radiation and Hempa on the midgut of the desert locust Schistocerca gregaria. 373539
Aksel'rod, L.A.
Depolarization anisotropy of neutrons in PdFe diluted alloys near the phase transition. 350732
Aksel'rod, S.M.
Calculation of pulse amplitude in nuclear magnetic logging. 367347
Device for nuclear magnetic logging. (Soviet patent document 441541/A/) 360173
Akselsson, R.
Particle-induced X-ray emission: a useful analytical method. 369550
Akselsson, R.A.
Determination of heavy metals and fluorine in airborne particulate matter in an indoor environment by simultaneous use of PIXE and γ-ray detection. 369560
Aksenova, T.F.
Investigation into some phosphoric acid esters as extraction agents for tantalum and niobium. 362170
Aksenovich, L.A.
Infrared spectra of glasses of $BaO-SrO-Al_2O_3-TiO_2-SiO_2$ system. 359585
Structure and properties of high-aluminous non-alkali silicate glass with high content of titanium. 378219
Aksenovich, T.I.
Kinetics of H^3-thymidine incorporation into nuclei of cells of the regenerating liver of rats exposed to various doses of X-rays. 379005
Aksenovich, V.I.
Using ferrosilicon production slags for reduction of open-hearth steel. 378570
Akshinadze, G.Sh.
Nuclear-induction methods of modern isotope geochronology. 354676
Aksman, I.B.
On the formation of polymer non-grafted onto the surface during radiation-induced polymerization of monomers adsorbed on mineral substrates. 375677
Aksnes, K.
Quantitative analysis of the Dermott-Gold theory for Uranus's rings. 356170
Akssandrini, V.
Classical kinks and their quantization in supercritical reggeon field theory. 368513
Aksyutov, L.N.
Temperature dependence of optical constants of tungsten and gold. 375807
Aktsipetrov, O.A.
Nonlinear-susceptibility dispersion of lithium iodate crystal. 361411
Akulina, D.K.
Some characteristics of ohmic heating plasma in the L-2 stellarator. (INIS-mf – 3963) 371712
Akulinichev, S.V.
Description of particle inelastic scattering on deformed nuclei. (JINR-R – 4-10742) 375097
Akulov, V.P.
On the general covariant theories of the gauge fields on superspace. (KFTI – 77-10) 376887
Akulov, V.V.
"Aurora-2", "Aurora", "Electron-4" high-voltage accelerators. (INIS-mf – 4194) 376348
Operation experience of the industrial high-voltage "Electron" type accelerators and prospects for their modification. (INIS-mf – 4194) 376347
Power electron accelerator for industrial radiation chemistry installations (project). (INIS-mf – 4194) 376349
Akurpekov, N.
Study of the gamma-irradiated effect on the nature of specific resistance distribution over the depth of phosphorus doped silicon epitaxial layers. 357401
Akutsu, H.
Management of plutonium-contaminated wastes at the plutonium fuel facilities in PNC. 358463
Safety aspects of reprocessing and plutonium fuel facilities in

PNC. 370522
Akuzawa, Hiroshi
Computerized voiding cystography, using sup(99m)Tc-(SN)-DTPA and gamma-scintillation camera. 349858
Akylas, V.
On the capture of muons in atoms. 353500
al-Amili, M.A.
De-excitation of ^{133}Cs levels excited in the (n, n'γ) reaction. 375154
al-Assafi, N.
De-excitation of ^{133}Cs levels excited in the (n, n'γ) reaction. 375154
Al-Haddad, I.K.
A neutron dosimeter using cellulose nitrate film. 368300
Al-Huseini, F.A.
Surface effects on a.c. losses in superconducting niobium. 359889
Al-Jadir, M.N.I.
Alpha transfer to 4p-4h states in ^{40}Ca. 372708
Location of 0$^+$ 4p-2h and 6p-4h configurations in ^{42}Ca. 372753
Al-Janabi, T.
The low-lying levels of ^{147}Pm. 351320
Al-Karaghouli, A.R.
A precision neutron diffraction study of tetragonal RbH_2PO_4. 377151
al-Nadzhar, S.
De-excitation of ^{133}Cs levels excited in the (n, n'γ) reaction. 375154
Al-Naimiy, H.M.
Analysis of red and infrared wide-band photometry of Algol. 369015
Al-Naser, A.M.
The determination of the l-forbidden M1 decay from the first excited state in ^{41}K. 366994
Spin and parity determinations for the 3723 keV, 4294 keV and 5313 keV levels in ^{36}Cl. 351398
The structure of levels in ^{67}Ga below 2.6 MeV excitation. 351321
Al-Shahristani, H.
Rapid simultaneous determination of sulfur and vanadium in crude oil using X-ray fluorescence. 356988
Resonance activation analysis of biological materials. 375278
Al-Shamma, S.H.
Near threshold polarization and excitation function of heavy rare gas atoms. 353176
Al'-Amili, M.A.
Level scheme of sup(105)Pd. 359375
Al'-Nadzhar, S.
Level scheme of sup(105)Pd. 359375
Al'bert, D.
Study of neutron spectra in the BFS-28, BFS-30, BFS-33 fast critical assemblies using CINI and FEI spectrometers with proportional counters of recoil protons. (FEI – 698) 376643
Al'bertinskij, B.I.
Prospects for the development of high-voltage electron accelerators for power industry. (INIS-mf – 4194) 376822
RT-series electron accelerators. (INIS-mf – 4194) 376350
Al'bikov, Z.A.
Subnanosecond silicon detector. 371074
Al'bota, L.A.
Investigation of complexing processes of cadmium ions with dithizone in some surfactants presence. (INIS-mf – 4192) 375399
Investigation of reactions of rare earths with boropyrocatechol violet complex in some surfactants presence. (INIS-mf – 4192) 375353
Al'gin, Yu.D.
Automatic regulator for a controlled reactor. (Soviet patent document 413593/A/) 360851
Al'oshin, V.G.
The charge state of germanium atoms in germanides of transition and rare-earth metals. 375808
Al'per, T.B.
Study of aluminium and titanium total quantity ratio effect on the technological plasticity of high alloyed nickel heat resisting alloys. 351767
Al'perovich, G.I.
Emission bands of phosphorus and calculation of band structure of rare earth phosphides. 374652
Al'perovich, M.E.
Quality of metal produced by arc-vacuum melting under conditions of high electric currents. 365118
Al'shin, B.I.
On phase transformation in nikel-iodine boracide at 10 K. 361412
Al'terkop, B.A.
On the nonlinear stage of parametric interaction of waves in an active medium. 348871
Al'terman, Eh.I.
Radiochemical investigation of deep sea deposits by gamma-spectroscopy method. 349639
Al'tovskij, R.M.
Effect of zirconium beryllide anodizing on its interaction with molybdenum and tungsten. 362293
Al'tshuler, L.V.
Shock adiabates at ultrahigh pressures. 355933
Ala, F.
Detection of hepatitis-B surface antigen in blood and blood products dried on filter paper. 379183
Alabiso, C.
Dynamical theory of quark confinement and the hadron spectrum. 353753
Aladashvili, B.S.
Asymmetry in the angular distributions of spectator-nucleons. (JINR-E – 1-9814) 377778
Narrow signals in the two-bary on effective mass spectrum and spin effects in the pn → np charge exchange process. (JINR-D – 1,2-9342) 356478
On the two-nucleon enhancement associated with high momentum tail of the spectator in the deuteron break up. (JINR-D – 1,2-9342) 356479
Results of methodical experiment on accuracy characteristics estimation and adjusting of system for chamber photo processing on the spiral digitizer. (JINR – 10-7940) 350279
Alaerts, L.
High precision instrumental neutron activation analysis of Sn in cassiterite with the aid of an ^{227}Ac-Be isotopic neutron source. 375216
Primordial noble gases in chondrites: the abundance pattern was established in the solar nebula. 377586
Alaga, G.
Quasirotational states in vibrational nuclei. 356563
Alam, M.S.
D meson production and decay in e^+e^- annihilation at 4.03 and 4.41 GeV c.m. energy. 353989
K^0 production in e^+e^- annihilation. 353983
Properties of the proposed tau charged lepton. 356517
A search for neutral heavy leptons. 356514
Spin analysis of charmed mesons produced in e^+e^- annihilation. 351228
Alanakyan, K.V.
Investigation of inclusive proton photoproduction by bremsstrahlung gamma quanta with maximum energy 2.0-4.5 GeV. 369458
Alania, M.V.
Evaluation of real errors in cosmic ray data automation of the data acquisition and primary computer processing. 357524
Study on the Forbush effect on the basis of data of world system of cosmic ray stations during 1969-1970. 356171
27-diurnal variations of intensity and anisotropy of cosmic rays for different times of solar activity. 356172
Alarid, J.E.
Cation exchange of 53 elements in nitric acid. (LA – 7083) 378143
Alasafi, K.M.
Crystal structure of AuCd.r. 354489
Alavi, A.
Scintigraphic detection of acute gastrointestinal bleeding. 357631
Albanese, J.-P.
The comparison of π^+ and π^- elastic scattering from ^{16}O, ^{40}Ca and ^{208}Pb. (ISN – 77-36) 359449
The elastic and inelastic π^+ and π^- scattering from complex nuclei. (ISN – 77-31) 369459
Systematic study of the energy dependence of the elastic π^+-^{16}O scattering in the region of the (3,3) resonance. (ISN – 77-37) 362032
Albano, J.R.
Helicity and evanescent waves. 376886
Albano, R.
The London Conference on the existing nuclear insurance regime in relation to international conventions and national legislation on nuclear third party liability. 350429
Albany, J.H.
Electron irradiation of undoped n-type InAs. 370220
Albat, R.
On the formation of 2s holes in Ne^+-Ne collisions. 377026
Albat, W.
Construction work on the site. 376569
Alben, R.
Improved numerical results for the three-dimensional alloy with site diagonal disorder. 366387
Alberdi Primicia, J.
Physical properties of liquid sodium. (JEN – 389) 367310
Alberi, G.
Interactions of hadrons with nuclei at high energy. 359367
Particle production in the deuteron near the threshold energy. 351414
Albers, D.D.
Irradiation injury to the ureter and surgical tolerance. An experimental study. 360254
Albers, M.
Creation of point defects in germanium by plastic deformation. 370124
Albert, D.
The electronic device of the Rossendorf proton recoil counter spectrometer. 374289
Albert, D.J.
Isospin splitting of giant resonances in ^{13}C and ^{17}O. 359368
Albert, K.
Electron resonance scattering at mercury. 353336
Albert, R.E.
Breast neoplasms in women treated with x-rays for acute postpartum mastitis. 362708
Albertini, G.
Dynamical neutron diffraction by curved crystals in the Laue geometry. 371551
Albisu, F.
Extent of local participation. (AED-Conf – 77-498-002) 379598
Alborghetti, S.
Analysis of the $\omega\pi^-$ system produced in the reaction $\pi^-p \rightarrow \pi^+\pi^-\pi^-\pi^0 p$ at 11.2 GeV/c. 353965
Albouy, G.
High spin states in lead isotopes with A between 193 and 199. (IPNO-PhN – 77-17) 359450
Albrecht, D.
Quasi-elastic scattering of 60MeV protons on deuteron clusters in ^{6}Li and ^{7}Li nuclei. (JINR-E – 1-8935) 356564

Albrecht, E.
Disposal of nuclear wastes. 368391
Disposal of radioactive wastes in the Asse Salt Mine. 352867
Recent results and developments on the disposal of radioactive wastes in the Asse Salt Mine. 358523
Albrecht, G.
Heating of a z-pinch plasma by CO_2-laser radiation. 377486
Albrecht, H.
Activity release and transport in a core meltdown accident. (AED-Conf – 76-699-009) 360410
Behaviour of light-water reactor fuel elements under accident conditions. 365510
Charged particle multiplicity distributions in pp collisions at ISR energies. 356525
Charged particle multiplicity distributions in pp-collisions at ISR energies. 353996
Experiments on the determination and limitation of fission and activation product release during core meltdown. (KFK – 2435) 357726
Experiments to detect the release of fission and activation products during core meltdown. 370523
Albrecht, K.-F.
The coherent Ksub(L)sup(OC) → Ksub(S)sup(OC) regeneration at high energies. (JINR-D – 1,2-9342) 356480
Observation of the diffractive production of the ΛKπ system. (KFKI – 77-48) 356676
Albrecht, R.
Pre-equilibrium alpha emission accompanying deep-inelastic $^{16}O + ^{58}Ni$ collisions. 354207
Albrecht, R.W.
Designs for in-reactor sodium boiling detection and generation. (CONF-761001 – P2) 363045
An investigation of forced convection boiling of sodium at low heat fluxes in electrically heated seven pin bundles. (CONF-761001 – P4) 362908
Albregtsen, F.
The wavelength dependence of granulation (0.38-2.4 μm). 356173
Albright, C.H.
Antineutrino anomalies and right-handed currents. 359221
Albright, D.C.
Pipe rupture studies in the Clinch River Breeder Reactor. 352184
Albritton, J.R.
Multiple-bounce and snowplow model expansions of exploding plasmas. 364154
Albuquerque E Castro, J. d'
Resonant excitation of lithium by electron impact in the Glauber approximation. 358703
Albuquerque, E.L.
Electronic structure, optical spectra and contact terms of the CoF_6^{4-} cluster in LiF. (PUC-TN – 19/75) 353393
Alburger, D.E.
Half-life of ^{17}F. 359451
Alcaras, J.A.C.
Application of the first approximation of the K-harmonics method to the O^+ states of ^{16}O. (IFT – 257/77) 364644
Applications of the basic approximation of the K-harmonics method to the alpha particle. 350475
Computer oriented method of Slater determinants coupling for the construction of K-harmonics. (IFT – 214/75) 350474
Matching method for the numerical solution of a system of second order differential equations. (IFT – 209/75) 353032
The nuclear charge form factor in the first approximation of the K-harmonics method. (IFT – 258/77) 364643
On the first approximation of the K-harmonics method. (IFT – 244/77) 350473
Alchudzhyan, S.V.
Aragats arrangement for the investigation of characteristics of high-energy cosmic ray muon flux. (EFI – 129(75)) 350283
Performances of Aragats spectrometer magnet. (EFI – 128(75)) 350284
Alcock, M.W.
ECR and upper-hybrid heating in the Culham Levitron. (INIS-mf – 3963) 372002
Alcorn, F.M.
Nuclear criticality safety: current theory and practice. 360672
Alcorn, J.
Engineering features of an upgradable ignition test reactor. (GA-A – 14633) 372008
General Atomic's superconducting toroidal field coil concept. (GA-A – 14572) 371713
Alcouffe, R.E.
Diffusion synthetic acceleration methods for the diamond-differenced discrete-ordinates equations. 372551
Alda, V.
On the decay theory of unstable particles. 354030
Aldea, A.
The theory of hopping conduction. 355723
Aldea, L.
Analysis of secondary gamma quanta resulting from resonance neutron capture by ^{155}Gd and ^{157}Gd nuclei. (INIS-mf – 3897) 356679
A few remarks on the dependence of GAMMAsub(n)sup(0) on the nuclear structure. 356678
The study of the (n,α) and (n,γα) reactions on ^{143}Nd. 356677
Study on gamma rays from the $^{173}Ybsub(n,\gamma)^{174}Yb$ reaction with resonance neutrons. (INIS-mf – 3897) 354131
Alden, J.W. Jr.
Technology transfer for design and manufacture of heavy nuclear components for light water reactors. 352513
Alder, B.J.
Computer simulation at high pressure. (UCRL – 80341) 371552
Effective field of a dipole in polarizable fluids. 350770
Alder, J.F.
The determination of uranium in geological samples by an indirect atomic absorption spectrometric procedure. 351431
Alder, K.
Coupling constants for several light nuclei from a dispersion analysis of nucleon and deuteron scattering amplitudes. 372586
Dispersion analysis of nucleon scattering by light nuclei. 377762
Aldersebaes, J.K.
Effect on construction of design changes. 358105
Aldersley, S.J.
Metric-torsion gravitational theories. 350476
Alderson, P.O.
Cerebrospinal fluid kinetics in normal human volunteers via radionuclide imaging and mathematical modelling. 354952
Comparative evaluation of techniques for rapid and efficient in vivo labeling of red cells with [/sup 99m/Tc] pertechnetate. 373658
Correlation between computerized transaxial tomography and radionuclide cisternography in dementia. 352098
In vivo labelling of red cells with sup(99m)Tc-pertechnetate; a comparative evaluation. (INIS-mf – 4010) 367575
Alderson, T.
The induction of mutations to 2-thioxanthine resistance in inhibitor depleted conidia of Aspergillus nidulans by gamma-radiation in the presence of oxygen or nitrogen. 352020
Aldor, E.
Scintigraphy of acute myocardial infarction. (INIS-mf – 4010) 362821
Aldrich, D.C.
Safety and breeding: related aspects of fast reactor cores having internal blankets. (CONF-761001 – P2) 362905
Aldrovandi, R.
On the random geometry of a symmetric matter antimatter universe. (IFT – 249/77) 350975
Alduan, F.A.
Analysis of uranium concentrates by atomic-absorption spectrometry. (JEN – 391) 367046
Alecu, M.
Some aspects of the implementation of a nuclear fuel technology project. 369828
Aleev, A.N.
Observation of the diffractive production of the ΛKπ system. (KFKI – 77-48) 356676
Aleev, K.D.
Measurement of polarization of muons produced in nucleon-nucleon interactions at 70 GeV. (IFVE-PEF – 76-40) 349085
Aleeva, E.N.
Computer simulation of the direct digital control system of a charged particle cyclic accelerator. (INIS-mf – 3909) 374040
Aleite, W.
Method to operate power reactors with light water cooling. (German (F.R.) patent document 2526871/A/) 358033
Pressurized water reactor. (German (F.R.) patent document 2513823/A/) 350164
Alejnikov, V.E.
Some regularities of neutron spectra formation beyond proton accelerator shielding. 379476
Alejnikova, N.V.
Factors controlling the recirculation of haematopoietic stem cells. 370360
Alekhin, V.P.
On scale dependence of hardness. 373269
Alekhina, V.M.
On the identification of waters of earth crust breaks under conditions of radioactive anomalies. 375903
Radiological peculiarities of waters in faults of the Northern Kirghizia. 376030
Alekhov, A.A.
Installation for measurement of parameters of hydrogen isotope penetration through metallic membranes. 375272
Alekhperov, A.I.
Cathode polarization during electrodeposition of rhenium-tellurium alloys. 375400
Alekperov, R.A.
Method for extraction of tellurium from acidic solutions. (Soviet patent document 410796/A/) 356926
Aleksakhin, I.S.
Facility for study on electrons energy losses spectra by the intersecting beams method. (INIS-mf – 3915) 350293
Aleksakov, G.N.
Indicator of nuclear reactor state. (Soviet patent document 400234/A/) 358087
Aleksan'yan, T.M.
Development of ground methods for investigation of cosmic ray variations. 357525
Aleksandrov, A.A.
Experimental definition of ultrasonic speed in a heavy water in a wide range of pressures and temperatures. 378780
Lifetimes of ^{64}Zn levels populated in the $^{51}V(^{16}O,p2n\gamma)$ reaction. 375147
Aleksandrov, A.I.
Electron spin resonance spectra of irradiated frozen aqueous solutions. 349340
Production and study of Ge, Sn, and Pb in the unusual oxidation states (I) and (III) after low-temperature radiolysis of aqueous solutions of their salts. 365055

Aleksandrov, A.L.
Pulsed nuclear quadrupole resonance radiospectrometer. (Soviet patent document 441508/A/) 355604
Aleksandrov, A.P.
The development of uranium-graphite channel reactors in the USSR. 365902
Structure of the nuclear power industry with allowance for energy production other than electricity. 366115
Aleksandrov, A.S.
On the effect of stationary magnetic fields up to 15 T on the spectrum of transverse photocurrent in p=InSb. 374653
Aleksandrov, B.M.
Determination of neutron mean number on fission event of ^{252}Cf. (INIS-mf – 3896) 357875
Aleksandrov, D.V.
Program for preliminary processing of the time-of-flight spectra of elastic and inelastic scattered fast neutrons. (INIS-mf – 3897) 356680
Aleksandrov, E.M.
Preparation of strontium-nickel carbonates. 367065
Aleksandrov, I.V.
On the theory of spin-lattice relaxation due to diffusion to impurities in solids and liquids. 371553
Aleksandrov, K.A.
Detection of liquid metal coolant boiling-up. 376450
E.m.f. of cells with molten alkali metal chlorides. (INIS-mf – 4193) 375401
Aleksandrov, K.S.
Double refraction and structural phase transitions in $ABCl_3$ type crystals. 356015
Aleksandrov, M.L.
Determination of the sensitivity of mass spectrometers to microimpurities. 350345
Aleksandrov, V.A.
Control of molybdenum diffusion layer structure during nitridation in glow discharge. (INIS-mf – 4046) 369983
Aleksandrov, V.M.
Study of physical factors affecting the hardening of diffusion chromium coatings during plastic deformation. 378572
Aleksandrov, V.V.
On mechanism of uranyl acetate decomposition. 359728
Aleksandrov, Yu.A.
Gravitational and electromagnetic properties of the neutron. (INIS-mf – 3895) 353923
Photoproduction of π^0 mesons on hydrogen at 320 MeV energy. 375058
Search for new resonances with the 'Photon' facility. (JINR – 1-9508) 376601
Aleksandrov, Yu.V.
Investigation of temperature dependence of diamagnetic susceptibility. Effect of different additions on electronic structure of carbonic fibers. 378376
Aleksandrova, D.P.
Determination of kinetic parameters in the $In\text{-}In^{3+}$ system on the base of impedance theory for multistage processes. 375579
Aleksandrova, G.A.
Study on deep trap centers in epitaxial GaAs < Cr,W > by the method of thermostimulated capacitor discharge. 348751
Aleksandrova, N.N.
Spectrophotometric investigation of mixed-ligand complexes of some rare earths with ethylenediaminetetraacetic and oxalic acids. 375519
Aleksandrovich, Eh.-G.V.
Pulsed x-ray tube. (Soviet patent document 320224/A/) 376671
Aleksandrovich, M.K.
Investigation of radiation-induced block polymerization of N-2,4-dimethylphenylmaleimide. 349351
Aleksandrowicz, J.
Effect of irradiation on activity of lysosomal acid phosphatase in peripheral blood granulocytes of mice. 367479
Aleksanyan, A.S.
Detection of electron-photon showers by means of drift chambers. (EFI – 141(75)) 368268
Detector of recoil nuclei stopping in spark chamber gas. 350280
Electron drift through the stack of plates in a gas volume. 350281
On the possibility of identification of particles with various charges in photonuclear reactions. (EFI – 208(54)-76) 376602
Alekseea, L.I.
Kinetics of accumulation of radiation-induced f-centers in KCl x Sr deformed crystals. 348752
Alekseenko, A.S.
Properties of coatings based on alumomagnesium spinel. 370089
Alekseenko, M.F.
Fatigue cracking rate in some high-alloyed martensitic stainless steels. 378673
Alekseenko, N.N.
Hydrogenation and embrittlement of low-alloy steel under neutron irradiation in contact with water. 370125
Alekseenko, S.A.
Technique for cyclotron frequency measurement. (Soviet patent document 445901/A/) 379989
Alekseenko, V.V.
Short-period variations of the cosmic ray intensity. 357526
Alekseev, A.G.
Control system for state and protection of a superconducting winding of a longitudinal field in the " T-10M" facility. (INIS-mf – 3954) 364155
Alekseev, A.M.
Use of nuclear reactors to produce high-temperature heat for energy-intensive industrial processes. 366129
Alekseev, E.N.
Device for study on central part of extensive air shower by means of a scintillation detector with area of 200 m^2. 363546
Alekseev, F.A.
Development of methods for bitumen determination in cased wells using spectrometry of natural gamma-radiation. 349610
Alekseev, G.M.
Effect of multilayer welding conditions on the resistance of Kh15N5D2T and Kh16N4B-steels to cold crack initiation. 349460
Alekseev, G.V.
Critical heat fluxes in tubular fuel elements of nuclear power reactors. 367911
Study on temperature regimes of a tube wall in heat removal by water of supercritical pressure. 370703
Alekseev, I.A.
Radiosource dimension effect on temporal spectra of interplanetary scintillations. 374870
Alekseev, N.E.
Spectroscopic and laser characteristics of ultraphosphate neodymium glass. (INIS-mf – 3955) 362144
Study on neodymium glass on the base of alkali metals metaphosphates. 370108
Alekseev, N.V.
Re-determination of structural parameters of the $(C_2H_5)_2TiCl_2$ and $(C_2H_5)_2ZrCl_2$. 357057
Study on proton polarization in elastic scattering on ^{24}Mg, ^{26}Mg, ^{32}S nuclei in the proton energy range 5-6 MeV by the thick target method. 378053
Alekseev, P.D.
Kinetics of accumulation of radiation-induced f-centers in KCl x Sr deformed crystals. 348752
Alekseev, V.A.
Density of caesium at high pressures and high temperatures. 375904
Experimental investigation of phase relations in the system uranium-oxygen (UOsub(2,5)-UOsub(2,6)) in aqueous medium at temperatures 150 to 350 deg C. 349651
Specific heat of liquid caesium at temperatures up to 1700 K under pressure. 375832
Alekseev, V.I.
Electron linear accelerator for a cutted microtron. 360707
Split microtron as an injection for the Pakhra synchrotron. 357929
Temperature effect on dependence of luminescence intensity of NaCl-Eu monocrystal on α-irradiation doses. (INIS-mf – 3955) 362521
Alekseev, Yu.A.
Conductive shells compression in pusle high magnetic fields. (IAE – 2624) 356079
Synthetic growth twins of boron nitride and barium chloride. 375917
Alekseev, Yu.V.
Neutron irradiation effect on the nature and thermal stability of radiation defects in ZrHsub(1,9) hydride. (FEI – 688) 373338
The study of radiation swelling in zirconium-hydrogen system. 378812
Alekseeva, G.P.
Phase composition and properties of nitrided layer of low carbon stainless steels. (INIS-mf – 4046) 369920
Alekseeva, I.P.
Segregation of the Yb^{3+} ions and structure of glasses of $Na_2O\text{-}GeO_2\text{-}Yb_2O_3$ system. 359580
Alekseeva, K.N.
On the phase composition of the meteorite "Krymka" by the Moessbauer study data. 349630
Alekseeva, L.A.
Detektors of ionizing radiation on the bases of cadmium telluride. (INIS-mf – 3994) 379851
On application of non-refrigerated semiconductor detectors of roentgen radiation for measurement of cover thickness. (INIS-mf – 3994) 379400
Alekseeva, L.E.
External stress effect on the resistance of maraging steel to crack development. 359890
Alekseeva, L.S.
Potassium borohydride interaction with molybdenum(5)chloride at heating. 362145
Alekseeva, L.V.
To the action mechanisms of bioprotectors. 354766
Alekseeva, N.S.
Study of ionic associates of rare earths with benzilic acid and rhodamine. (INIS-mf – 4191) 375592
Alekseeva, N.Yu.
Allogenic inhibition of the stem hemopoietic cells in the bone marrow and embryonic liver in adult mice. 357573
Alekseeva, O.K.
Study of the nature of chemical bonding in BeH_2 and AlH_3 by the positron method. 374654
Alekseeva, Z.D.
More accurate definition of liquation dome in $Na_2O\text{-}B_2O_3\text{-}SiO_2$ system. 378195
Alekseevskii, N.E.
Specific heat capacity of ternary molybdenum sulfides. I. Lattice and electron contributions to the specific heat capacity of superconducting Mo_3SnS_6 at 2 – 25 K. 367311
Alekseevskij, N.E.
Critical currents in ternary molybdenum chalcogenides. 377676
Electron paramagnetic resonance for localized magnetic states in the superconducting La-Er system. 374993
Investigation of specific heat and superconducting propertis of

Mo_6NaS_8. 368729
Study of some ternary solid solutions on V_3Si compound base. 378581
Alekseyenko, M.V.
Influence of lattice defects on the electrical behaviour of chlorine-doped cadmium telluride crystals. 370126
Alekseyev, V.A.
Strontium fluoride behaviour in fluoride melts in the presence of non-isomorphic carrier-lanthanum fluoride. 354392
Aleksic, B.
Problems of differential diagnosis in evaluation of pathological effects of ionizing radiation in medical supervision of occupationally exposed persons. 354821
Alen'kin, V.I.
Influence of additional microalloying on microstructure formation during internal oxidation of nickel alloys. 369893
Alenberg, V.B.
Some specific features of photoconductivity spectra of PbTe thin films. 348779
Alenitskij, Yu.G.
Calculation of isochronous cyclotron magnetic system components by the net method. (JINR – 9-9034) 350051
Alenius, G.
Trace element analysis in thick organic specimens by photon excited X-ray fluorescence. 356927
Alenkevich, A.V.
Irreversible change in steel articles shape during thermal cycling. 378574
Alesenko, A.V.
Antioxigenic activity of lipids and radiosensitivity. 379040
Aleshin, E.R.
Small-sized electron linear accelerator in the 3-cm range for application in industry. (INIS-mf – 4194) 376351
Aleshin, N.P.
Ultrasonic testing of welded joints of boiler pipes. 362351
Aleshin, V.A.
Study of p-T-x-phase diagram of BiI_3-Bi_2Te_3 system. 357073
Aleshin, V.G.
Investigation into electronic structure of some transition metal silicides by the method of X-ray photoelectron spectroscopy. 378353
Aleshin, V.I.
Large scintillation counters on the base of polymers for low-background detector protection from cosmic rays. 350346
Aleshin, Yu.D.
The Cherenkov differential counter in a secondary particle beam on the ITEP modified accelerators. (ITEF – 41) 350282
2 m- chamber filled with neon – hydrogen mixture and with a track-sensitive hydrogen target. 358330
Aleskovskij, V.B.
Safety of Ag/AgI/Te film galvanic cells. 357006
Study of products of chemisorption of $VOCl_3$ and CrO_2Cl_2 on titanium-containing silica gel. 359636
Alessi, J.G.
A negative ion sputter source for operation in a Van de Graaff terminal. 367955
Reorientation measurements on tungsten isotopes. 366999
Aleta, C.R.
Prospects and problems of nuclear power in the Philippines. 371320
Alexander, C.A.
Outgassing of space quality carbons and graphites. (BMI-X – 682) 373312
Alexander, C.W.
Projections of spent fuel to be discharged by the U.S. nuclear power industry. (ORNL/TM – 6008) 370869
Alexander, D.G.
Effect of oxygen on the strength and ductility of polycrystalline vanadium in the range of 4.2 to 400 K. 367237
Alexander, D.R.
Delayed neutron yield calculations for the neutron-induced fission of uranium-235 as a function of the incident neutron energy. 362033
Experience with the helium afterglow impurities monitor at the Ft. St. Vrain Nuclear Power Station. (LA-UR – 77-1977) 363469
Alexander, G.
Evidence for the tau → γrhoπ decay mode. 372500
$f^0(1270)$ production in the reaction $\pi^-p \rightarrow \pi^+\pi^-n$ at 12 and 15 GeV/c. 372501
Measurement of the J/psi radiative decay into $f^0(1270)\gamma$. 377779
Alexander, H.
Electron paramagnetic resonance of point defects in deformed silicon. 370242
Alexander, J.E.
Stirling/hydraulic artificial heart power source. 379393
Alexander, J.K.
Relationship between auroral substorms and the occurrence of terrestrial kilometric radiation. (N – 77-25709) 370296
Terrestrial kilometric radiation: 3-average spectral properties. (N – 77-14651) 361705
Alexander, J.M.
Energy dependence of fissionability for ^{239}Pu, ^{238}Pu, and ^{241}Am. 366930
Fission and neutron emission in the actinides at excitation energies of 10 – 35 MeV. 359482
Fission probability calculations for heavy-ion induced reactions. 359385
Reactions of ^{237}Np with ^4He near the interaction barrier. 359505
Alexander, K.J.W.
The Scottish viewpoint. 371005
Alexander, M.H.
Close-coupling studies of the orientation dependence of rotationally inelastic collisions. 350555
Polarization in elastic scattering: close coupling studies on Ar-N_2. 371456
Alexander, S.
Transition temperature of superconducting-magnetic proximity effect sandwiches. 359195
Alexander, T.K.
Core-excited high-spin isomers in ^{212}Rn. 351371
Gamma decay of the T = 3/2 states in ^{25}Al. 356864
The low solar neutrino flux. 354238
Search for a 0^+ level near the 8.87 MeV, 2^- level of ^{16}O. 354237
Alexander, Y.
Bound-state momentum distributions. 359369
Quasi-free scattering of kaons. (ORO – 5126-26) 369400
Alexandre, C.
High resolution study of nucleonic cosmic rays with Z >= 34. 368290
Alexandre, D.
Sewage sludges disinfection. (INIS-mf – 4220) 379407
Alexandrescu, M.
High-resolution X-ray television and high-resolution video recorders. 366020
Alexandrov, A.J.
Starting material radiation source for Moessbauer investigations of tellurium compounds. (US patent document 4,059,769/A/) 379374
Alexanian, A.S.
Arrangement for study of π^0-photoproduction on ^4He nuclei. 379852
Alexas, A.
Simulation of fast breeder reactor pin behavior using UO_2 pins with direct electrical heating. 367729
Simulation of LOF accidents with directly electrical heated UO_2 pins. (CONF-761001 – P4) 362848
Alexeff, I.
New elementary experiments in plasma physics. 358910
Alexenko, Y.N.
Causes of increasing the Armco iron durability in vacuum. 365153
Alfano, M.C.
Autoradiographic study of the penetration of radiolabelled dextrans and inulin through non-keratinized oral mucosa in vitro. 373581
Alfaro, V. de
Properties of O(4) x O(2) symmetric solutions of the Yang-Mills field equations. 368514
Alfassi, Z.B.
Development of a new approach to trace element analysis using neutron activation followed by high resolution X-ray spectrometry. 369517
Parametric study of the Cl + HI chemical laser. (IA – 1338) 364156
Alfen, H.
Interstellar clouds and the formation of stars. (TRITA-EPP – 77-20) 374871
Alfimenkov, V.P.
Magnetic moments of Tb and Ho compound states. (INIS-mf – 3897) 356681
Neutron resonance spins of ^{159}Tb from experiments with polarized neutrons and polarized nuclei. (INIS-mf – 3897) 354132
Spin dependence of the total neutron cross section of ^{169}Tm and ^{141}Pr in the neutron energy range up to 100 keV. (JINR-R – 3-10835) 377954
Alford, C.E.
Evaluation of extraction chromatography for americium recovery. (RFP – 2625) 380009
Alford, W.P.
(^3He,n) reaction studies near N = 82. (TID – 27909) 377959
The effective T = 1 two-particle matrix elements in the fp shell. 378076
Proton shell closures at Z = 38. (TID – 27909) 377957
Structure of ^{88}Sr from the $^{86}Kr(^3He,n)^{88}Sr$ reaction. 372695
Study of 2p – 1h states in the Z = 50 proton shell via the $^{113}In(^3He,n)^{115}$ ^{117}Sb reaction. (TID – 27909) 377958
Two-proton excitations at the Z = 38 and Z = 40 sub-shell closures. (TID – 27909) 377956
Alforque, R.A.
Measurement of acoustic velocity and attenuation in an air-water two-phase medium. 355341
Alfven, H.
Double radio sources and the new approach to cosmic plasma physics. (TRITA-EPP – 77-19) 353662
Energy policy and public acceptance. 371214
Alge, E.
A hollow-cathode ion source for drift tubes. 370680
Alguard, M.J.
Depolarization effects in pulsed photoionization of state-selected lithium. 350556
Low-energy elastic scattering of polarized electrons by polarized hydrogen atoms. 358695
Measurement of spin-exchange effects in electron-hydrogen collisions: Impact ionization. 350557
Operating experience with the polarized electron gun at SLAC. 363130
Ali Khan, I.
The first wall of a fusion reactor under the influence of atomic hydrogen. 368910
Ali-Zade, T.D.
Extraction-photometric determination of some d-elements with polyphenols in the presence of aromatic amines. (INIS-mf –

4192) 375217
Ali, A.
Amorphous Ni-P alloys prepared for ion implantation. 363939
Application of Veneziano model to charm meson systems. (DESY – 77/62) 375014
Etched-track kinetics in isotropic detectors. 352806
Ali, F.M.
Measurement of 3-0-methyldopamine in urine and plasma by a rapid and specific radioimmunoassay. 373655
Ali, M.I.
Energy in Bangladesh: development and peaceful uses. 352891
Regional fuel cycle centres for South and South-East Asia. 368408
Ali, R.
The influence of lithium impurities on the character of recovery of electrical resistance of irradiated aluminium. 360055
Alibekova, K.A.
Effect of an ionizing radiation on the induced synthesis of anthocyans in the buckwheat. 360245
Alibran, P.
Measurement of the branching ratios of multi-pion final states in anti pp annihilation at 1.6 GeV/c. 366884
Alicki, R.
The Markov master equations and the Fermi golden rule. 371336
Alidzhanov, M.A.
Investigation into some physical properties of alloys in the region of solid solution in the system Ce_2Se_3-$SnSe_2$. 378698
Magnetic susceptibility of (SiTe)sub(1-x) – (A^3Te)sub(x). 370015
Thermoelectrical properties of In_2Te_3 and [In_2Te_3]sub(1-x) – [SnTe]sub(x) solid solutions. 370041
Aliev, A.A.
Macro- and microturbulent atmosphere velocities of RSct. 369016
On the real value of electron temperature of the R Ssub(ct) star atmosphere. 361657
Rapid borating from pastes. 357286
Aliev, F.I.
Electron diffraction study of crystallization kinetics of In_2S_3 amorphous films. 355979
Investigation into interaction of indium, sulfur and In_2S_3 films. 369584
Aliev, F.K.
A measurement of the electromagnetic size of the pion from direct elastic pion scattering data at 50 GeV/c. 353922
Aliev, G.V.
Transformation laws for an arbitrary fields under conformal group. 355717
Aliev, I.I.
Phase diagram of As_2S_3-InSe system. (INIS-mf – 4040) 378582
Aliev, I.P.
The Gd_2S_3-Cr_2S_3 system. 375551
Preparation and properties of Tb and Dy chalcochromites. 369656
Aliev, N.
Calculation of particle flux density spectrum in extensive air showers. 362610
Aliev, O.M.
Electrophysical properties of $EuA_2^5X_4^6$ type compounds. 369624
The Gd_2S_3-Cr_2S_3 system. 375551
Investigation into phase diagram of system. 378196
On synthesis and investigation into yttrium chalcochromite. 375499
Preparation and properties of Tb and Dy chalcochromites. 369656
Synthesis and investigation into $CuLnTe_2$ compounds. 359932
Aliev, R.K.
On the nature of active centres of propylene disproportionation catalysts. 372945
Aliev, R.Ya.
Samarium and yttrium complexes with hydrazine. 359581
Aliev, S.A.
Thermal conductivity and thermo-emf of Ag_2Te at low temperatures. 369894
Aliev, T.M.
Instrumentation for spin-echo nuclear magnetic logging. 375962
Aliev, Yu.M.
Fluctuations of surface waves in inhomogeneous magnetoactive plasma. 364157
Plasma parametric resonance in the non-monochromatic pump-wave. (INIS-mf – 3963) 371714
Total resonance absorption of electromagnetic radiation in an inhomogeneous plasma. 368911
Alieva, L.A.
X-ray study of interphase migration of lanthanum cations in zeolite-containing catalysts. 378412
Alieva, L.N.
GaTe vibrational spectra. 355948
Alifanov, Yu.P.
Internal friction and segregation effects in metals with cellular structure. 370059
Alikaev, V.V.
Plasma heating in the TM-3 tokamak by electron cyclotron-resonance at magnetic fields up to 25 kOe. (IAE – 2564) 368912
Prospects for using electron-cyclotron waves for plasma heating in large tokamak facilities. (IAE – 2610) 356077
System for SHF plasma heating in the "T-10M" facility. (INIS-mf – 3954) 361485
Alikberova, L.Yu.
Reaction of certain rare earth iodides with carbamide and iodine in aqueous solution. 375402
Alikhanov, S.G.
Modeling of an inertial system with gas-kinetic confinement of magnetized plasma. (INIS-mf – 3963) 371715
Alikonis, N.
Safeguards: industry perspectives. 361208
Alikov, B.A.
Double magnetic-lens beta spectrometer for lifetime measurements of nucleus excited states. (JINR-R – 13-9516) 355491
Alimarin, I.P.
Application of extraction chromatography to separation of indium from antimony and some other elements. 364839
Use of tridecylamine for extraction-chromatographic separation of indium, cadmium, zinc, iron and lead. 378086
Alimbarashvili, N.A.
On behavior of some chalcogenide glasses during low-temperature annealing. 349276
Alimov, O.K.
Luminescence and migration of energy in silicate glass activated by Eu^{3+} during monochromatic laser excitation. (INIS-mf – 3955) 362146
Alimov, Yu.A.
On the crystal structure of diffusion boride coatings on steels. 375809
Alinovskaya, L.A.
Spectrophotometric study of various ligand complexes of lutetium with 1,10-phenanthroline and lutetium dyes of pyrogallol and bromo-pyrogallol red. (INIS-mf – 4191) 375403
Alire, R.M.
Transport of deuterium in Nb – 1 wt% Zr. 366490
Alishin, A.I.
Alpha-particle effect on p-silicon and photoelectric parameters of silicon n-p junctions. (KFTI – 74-47) 353394
Alitti, J.
Study of neutrino proton elastic scattering in the 'Gargamelle' freon experiment. 377821
Alkhazov, G.D.
Polarization in 1 GeV elastic proton scattering on carbon. 354133
1 GeV-proton elastic scattering on ^{40}Ca, ^{42}Ca, ^{44}Ca, ^{48}Ca, ^{48}Ti nuclei. 375148
Allaart, K.
Description of non-deformed odd nuclei. (INIS-mf – 4267) 377896
Alladio, F.
An experimental check of the electron distribution function in a current carrying plasma. 366491
Allain, A.
Problems of dismantling, treating and analysing highly irradiated fuel elements. 360843
Allakhverdieva, Eh.G.
Spectrophotometric study of molibdenum (6) complexing with benzidine-bis-azo-pyrocatechol. 375463
Allam, M.A.
The $^{11}\alpha$- and $^{17}\alpha$-progesterone hydroxylases of Rhizopus nigricans NRRL 1477. 373582
Allan, P.
Mechanisms of deformation in cross-linked polyethylene crystals. 360056
Allan, R.E.
Guidelines for the production, evaluation, and use of induced resistance to stripe rust in wheat. 373720
Allardice, R.H.
Fast-reactor fuel reprocessing in the United Kingdom. 367188
Allardyce, B.W.
Reconstructed CERN 600 MeV synchro-cyclotron. 363131
Allas, R.G.
Application of the three-body model to the reactions ^{6}Li(^{3}He,t ^{3}He)^{3}He and ^{6}Li(^{3}He,^{3}He^{3}He)^{3}H. 351288
Allasia, D.
Strange particle production by antineutrinos. 356505
Allazov, M.R.
Investigation into reaction of indium selenides with iron. 375552
Study of In_2Se_3-Fe system. (INIS-mf – 4040) 378197
Allcock, G.
Metastable fragmentation patterns of CF_2 Cl_2 and CF Cl_3 following electron impact. 368605
Allcock, H.R.
Core electron binding energies cyclotriphosphazenes and cyclotetraphosphazenes. 367068
Allday, C.
International co-operation in the supply of nuclear fuel cycle services. 368494
Some experiences in formation and operation of multinational uranium-enrichment and fuel-reprocessing organizations. 375736
Allegre, C.J.
Behavior of the rare earth elements in the Oklo natural reactor. 354666
U-Pb ages on single zircons from the Early Precambrian rocks of West Greenland and the Minnesota River Valley. 357486
Allen, A.O.
Radiation chemistry of aqueous cyanide ion. 365039
Allen, A.R.
Temperature dependence of spin diffusion coefficient and T_2 for dilute ^{3}He in solid ^{4}He. 377677
Allen, A.W.
Experimental and numerical studies of magnetohydrodynamic stability properties of a rectangular-cross-section finite-β toroidal plasma. 350794
Allen, B.J.
Gamma rays from keV neutron capture in lanthanum. 372777
High resolution neutron transmission and capture for ^{91}Zr. 356842
Resonance and background interference in ^{56}Fe neutron capture. 377854
Resonant neutron capture in ^{139}La. 372795
Resonant neutron capture in ^{45}Sc below 100 KeV. 372778
Allen, C.L.
Procedure for coating articles with pyrolytic carbon. (German

(F.R.) patent document 2617244/A/) 351850
Allen, C.W.
Fault structures in rare earth – cobalt intermetallics. 362369
Allen, D.
Observation of channeling of negative pions of 4GeV/c momentum. 355934
Allen, D.A.
Spectroscopic observations of the X-ray nova A0620-00. 349036
The spectrum of H1-36 (= 3U1746-37) at radio wavelengths. 349024
Allen, E.J.
In-core nuclear heating rates easily measured with proven calorimetric instruments. (CONF-770611 – 20) 352458
ORR irradiation experiment OF-1: accelerated testing of HTGR fuel. (ORNL – 5234) 365953
Allen, E.L.
Economic and environmental implications of a U.S. nuclear moratorium, 1985 – 2010. (ORAU/IEA – 76-4) 352305
Allen, G.C.
The early stages of the oxidation of a 9% chromium steel in carbon dioxide studied by Auger electron spectroscopy. 357183
Electron spin resonance spectra of mixed oxides containing uranium and alkaline earth metals. 373287
LMFBR spent fuel transportation technology development. 352406
Allen, G.K.
Estimated inventory of chemicals added to underground waste tanks, 1944 – 1975. (ARH-CD – 610B) 363653
Allen, J.D.
Atomic and molecular physics, physicochemical properties of biologically important structure, and high-voltage research . (ORNL – 5171) 366238
Rutherford revisited: Deflection of an electron in inverse first-, second-, and third-power central fields. 358659
Allen, J.E.
On the applicability of the Druyvesteyn method of measuring electron energy distributions, and reply by Andersson, D. 377327
Waves and microinstabilities in plasmas – linear effects. 364158
Allen, J.E. Jr.
Sulfur isotope separation by dissociative electron attachment. 372946
Allen, J.H.
Auroral electrojet magnetic activity indices AE (11) for 1974. (PB – 263927) 351962
Allen, J.M.
Instrumentation programs for nuclear power-plant sites. 362849
Will nuclear power plant standardization reduce the licensing impact on construction. 358565
Allen, J.W.
Eddy current materials testing device. (German (F.R.) patent document 1648373/C/) 360738
Evaluation of the autoregression time-series model for analysis of a noisy signal. (CONF-770902 – 3) 367995
Allen, K.W.
The lifetime of the 3907 keV state of ^{19}F. 353226
Measurements of the radiative widths of the first T = 1, 2^+ state of ^{20}Ne and their relationship to analog β-decays. 354182
Allen, L.S.
Nuclear techniques in oil and gas exploration and production. 375968
Allen, M.A.
rf system for the PEP storage ring. 363132
Allen, M.D.
Laser-generated $PuO_2 – UO_2$ condensation aerosols. (BNWL – 2100(Pt.1)) 360184
Allen, M.S.
Uranium and thorium in Ap stars. 361682
Allen, P.
Charged particle multiplicity distributions in pp collisions at ISR energies. 356525
Allen, P.B.
Superconductivity and phonon softening. III. Relation between electron bands and phonons in Nb, Mo, and their alloys. 365175
Allen, P.L.
Nuclear fuel coated particle development in the reactor fuel element laboratories of the U.K. Atomic Energy Authority. 365903
Allensworth, J.A.
Underground siting of nuclear power plants: potential benefits and penalties. (SAND – 76-0412) 352185
Alles, A.
Actinoid pnictides. 359722
Alley, P.
Measurement of phi production in proton-nucleus collisions at 400 GeV/c. 366877
New limits on $D^0(1.865)$ production in proton-nucleus collisions at 400 GeV/c. 361882
Allgeier, H.J.
A European assessment of gas-cooled breeder reactor safety. (CONF-761001 – P1) 362886
Allinger, J.
Stability of high field superconducting dipole magnets. (BNL – 23211) 365734
Allington, R.W.
Apparatus for measuring the nuclear radiation of a sequence of radioactive samples. (US patent document 4,029,961/A/) 363578
Arrangement to measure the nuclear radiation of a series of radioactive samples. (German (F.R.) patent document 2558242/A/) 355152
Allison, C.M.
Behavior of irradiated fuel rods during film boiling operation. 352281
Irradiation effects test Series Scoping Test 1: test results report. (TREE-NUREG – 1066) 374220
Irradiation Effects Test Series: Test IE-2. Test results report. (TREE-NUREG – 1074) 365871
Irradiation Effects Test Series: Test IE-3. Test results report. (TREE-NUREG – 1106) 374212
Allison, G.B.
The history of tritium fallout in southern Australia as inferred from rainfall and wine samples. 357510
Allison, P.W.
Experiments with a Dudnikov-type H source. (LA-UR – 77-2113) 367956
Allison, W.M.
Total cross sections for charged-current neutrino and antineutrino interactions in BEBC in the energy range 20-200 GeV. 353945
Allkofer, O.C.
Dosimetric significance of cosmic radiation in the altitude of SST and in free space. 362694
Allotey, F.K.A.
Electron-Hole Scattering Resonance in the Fermi Gas. 366388
Allport, J.J.
Dual beam x-ray thickness gauge. (US patent document 4,037,104/A/) 363083
Allred, D.D.
Application of nuclear reactions for quantitative hydrogen analysis in a variety of different materials problems. (CONF-770642 – 3) 349159
Use of nuclear reactions and SIMS for quantitative depth profiling of hydrogen in amorphous silicon. 359547
Allred, J.C.
LAMPF: the meson factory. A LASL monograph. (LA – 6590) 374041
Alm, A.
Photoinduced fission of the doubly even isotopes U^{234}, U^{236} and U^{238}. (LUNFD6-NFFR – 3017) 375149
Alm, M.
Experience with airborne iodine production. 349995
Almeida, A.A. de
Wave-wave interactions in a plasma. 350795
Almeida, W.A.
On the possible eigenoscillations of neutral sheets. (INPE-RI – 265) 364159
Almond, P.R.
Silicon diode detectors used in radiological physics measurements. Part I: Development of an energy compensating shield. 374317
Alnot, M.
Ethylene and acetylene adsorption on rhenium polycrystalline and Re(0001) surfaces. 378613
Alodzhants, G.P.
Cosmic rays from pulsars. 374955
Aloia, J.
Total body sodium and chlorine in normal adults as determined by neutron activation analysis. 369540
Alomar, F.
Nuclear plant supply contracts meet transfer of technology requirements. 352514
Alons, P.W.F.
Study of multistep processes in the (p,d) reaction and inelastic scattering of 24.0 MeV protons on ^{26}Mg. (INIS-mf – 3946) 349130
Alonso, A.
Implementation of nuclear power in Spain. 352892
Alonso, E.V.
Interference effects in ion-electron emission induced by molecular ions. (INIS-mf – 3996) 363952
A novel ultra-high vacuum manipulator with six degrees of freedom. 368334
Z_1 dependence of ion-electron emission from clean Al surface. (INIS-mf – 3996) 363940
Alonso, J.
Bevalac Minibeam Facility. 363337, 374083
Heavy ion facility for radiation therapy. 363289
Alonso, J.V.S.
Description of a method of control for glass lenses used as a protection medium against radiation. 355019
Alonso, V.
Hydrodynamic action functional and the Bose-spectrum of superfluid Fermi-systems of the He 3 type. (JINR-D – 17-10529) 374994
Alovitdinov, A.B.
Sorption characteristics of phosphorus-nitrogen-containing cationites to bivalent ions. 369585
Alpen, U. von
Induced acceptor levels and free-carrier mobility due to c-screw dislocations in tellurium. 370155
Alper, Barry
Results from the wide angle spectrometer. 353924
Alperin, H.A.
Small-angle magnetic scattering from a dilute amorphous Fe(Tb) alloy. 373255
Als Hansen, B.
Comparison of medieval decorated floor-tiles with clay and tile fragments from the kilns at Bistrup. (INIS-mf – 4037) 356928
Alsagarov, A.A.
Formation of rolling and recrystallization textures in titanium and zirconium. 375810

Alsayed, N.
Assessment of the feasibility of elemental analysis in boreholes by neutron activation. 375218
Alsmiller, F.S.
Calculations pertaining to the design of a prebuncher for a 150-MeV electron linear accelerator. (ORNL/TM – 5419) 365735
Monte Carlo simulation of turbulent atmospheric transport: comparison with experimental data. 378901
Alsmiller, R.G. Jr.
Calculation of the fragmentation of UO_2 by capacitor discharge: nonequilibrium model. 367730
Calculations pertaining to the design of a prebuncher for a 150-MeV electron linear accelerator. (ORNL/TM – 5419) 365735
Monte Carlo simulation of turbulent atmospheric transport: comparison with experimental data. 378901
Neutronics and radiation damage calculations for fusion reactors. (CONF-771036 – 4) 371716
Spatial variation of the damage energy and gas production in the experimental volume of a Li(D,n) neutron radiation damage facility. 362522
Uncertainties in calculated heating and radiation damage in the toroidal field coil of a tokamak experimental power reactor due to neutron cross-section errors. 361486
Alster, J.
Experimental study of the reaction $^7Li(\pi^+, \pi^0)^7Be$ in the (3, 3) resonance region. 366961
Alston-Garnjost, M.
Extraction of average multiplicities of high-energy off-mass-shell $\pi\pi$ and $K\pi$ scattering. 359338
Quenches in large superconducting magnets. (LBL – 6718) 370718
Alt, H.G.
Photochemical reactions of indenyl-tricarbonyl-methyl-molybdenum and -tungsten, C_9H-$M(CO)_3CH_3$ (M = Mo, W), with acetylenes. 359769
Altanow, W.
Radioisotope level regulator – AERIN. (INIS-mf – 4015) 373956
Altarelli, G.
Muon number nonconserving processes in models with doubly charged leptons. 364459
Altarev, I.S.
Study on angular distribution of decay products of ^8Be ground state. 349141
Altenhein, F.K.
Calculation of implantation profiles. (HMI-B – 234) 364160
Alter, H.
Central computerized data base for liquid metal fast breeder reactor safety codes. (CONF-761001 – P3) 365511
Alterovitz, S.
Superconductivity in sputtered $CuMo_6S_8$. (N – 77-20206) 357388
Alterovitz, S.A.
Upper critical field of copper molybdenum sulfide. 365131
Altes, J.
Assessment of underground siting of a nuclear power plant with PWR as an engineered safety feature. 352255
Results of critical evaluation of the AIPA study. 370970
Seismic calculations for underground reactor buildings. (Juel – 1445) 367731
Altgeld, W.
Surface protection by means of cadmium. 367215
Alth, G.
Investigations on the influence of radiotherapy on the extent of DNA-repair in peripheral lymphocytes and tumor cells of patients with cancer. (SGAE – 2712) 357596
Althof, W.
Device to measure the shear deformations in layers of adhesive substances. (German (F.R.) patent document 2435068/B/) 376391
Althoff, K.H.
Photoproduction of pions on polarized protons and neutrons in the second resonance region. (BONN-HE – 77-11) 369342, 372502
Altieri, S.
Mortality and sterility induced in Piophila casei by x-ray and neutron irradiation. 357668
Altland, H.
Experimantal determination of kidney perfusion in dogs, using sup(99m)Tc-pertechnetate. (INIS-mf – 4010) 357672
Quantitative assessment using gamma camera and computer of thyroid scintigraphs for the diagnosis of autonomous adenomas. (INIS-mf – 4010) 370456
Altman, A.
Experimental study of the reaction $^7Li(\pi^+, \pi^0)^7Be$ in the (3, 3) resonance region. 366961
Altman, J.
Low-level x-irradiation of the brain during development morphological, physiological, and behavioral consequences. Final report, September 1, 1976 – August 31, 1977. (COO – 2000-127) 373513
Altmann, M.
Measurement of the poloidal configuration in the Lausanne belt pinch. (INIS-mf – 3963) 371985
Measurement of the poloidal magnetic configuration in the Lausanne Belt-Pinch. 377328
Altschuler, M.D.
Open magnetic structures on the sun. 351042
Altschuler, N.
Correlation between the estimated molecular weight and the immunological properties of ^{125}I-TSH. 373760
Altstetter, C.J.
Strain energy interactions, the T/sub o/ concept and sympathetic nucleation. 361467
Altukhov, Yu.P.
Analysis of monomorphic markers of genes in populations as a method of the estimation of multagenicity of the medium. 354734
Altunin, V.I.
Radioobservations of the Nova Oygni 1975. 361658
Altvater, W.
Technology transfer by industry for the construction of nuclear power plants. 352541, 358130
Altynov, V.I.
Study of radiation chemical stability of chlorinated fibres in alkaline media. 369811
Altyntsev, A.T.
Fabrication of time non-transparent coatings on a plastic scintillator. 379853
Magnetic field energy dissipation in neutral current sheets. 372110
Aluker, Eh.D.
Processes of generation and destruction of f centers in a KCl crystal at pulsed irradiation. 377152
Alvar, K.R.
Detection system for charged particles produced by neutrons. 379854
Alvares, N.J.
Building 431 fire tests. (UCID – 17585) 377329
Alvarez de Buergo, L.
The importance of quality assurance in establishing nuclear power programmes. Spanish experience. 370524
Regulatory inspection in Spain. (INIS-mf – 4065) 361171
Alvarez, L.W.
Quarks with unit charge: a search for anomalous hydrogen. 372349
Alvarez, R.A.
Photofission studies with monoenergetic photons. (BNL-NCS – 22500) 364746
Alves, J.A.
Study of the centers Cu^0, Cu^+ e Cu^{++} in KCl. 350701
Alves, J.N.M.
Differential analysis of uranium and thorium through a delayed neutrons method. 351432
Alves, R.N.
Organization and development of the Brazilian nuclear programme. 371331
Trained manpower resources in Brazil. Estimates and preparations. 371312
Alwis, S.P. de
The quark mass ratio and the eta' mass. 356381
Aly, H.F.
Gradient chromatographic elution of sulphur anions. 364930
Infrared absorption spectra of some lanthanide acetylacetone complexes. 367062
Alyamovskij, S.I.
Solubility of hydrogen in zirconium oxycarbides, oxynitrides and oxycarbonitrides. 364982
Study into kinetics and mechanism of formation of carbonitrides by carbothermal reduction of subgroup 4-a metal oxides. (INIS-mf – 3248) 369667
Synthesis and magnetic properties of Vsub(1-x)Tisub(x)Osub(1,75) (x = 0,00-0,10) solid solutions. 360021
Alyamovskij, S.P.
Kinetics and mechanism of initial stages of carbon-thermal reduction of ZrO_2. 364972
Alyapyshev, A.A.
Investigation into radiation stability of organic fluoro-chlorine compounds. (RI – 58) 378548
Alykov, N.M.
Fluorescent beryllium reactions with some organic reagents. (INIS-mf – 4192) 375219
Alykova, T.V.
Beryllium and aluminium complexing with morphocycline. (INIS-mf – 4192) 375240
Alymov, A.M.
Spectra of ^{127}J nuclear quadrupole resonance of organic iodine compounds of diagnostic using. 349200
Alyushina, V.I.
The Keldysh-Franz effect in InP. 374735
Amado, D.L.
Net energy effects and resource depletion: an all-nuclear economy. (COO – 2865-10) 374463
Amado, R.D.
Isobar formalism and one-pion-exchange partial-wave cross sections in $\pi N \rightarrow \pi\pi N$. 351135
Mechanism for "quasi-two-body scaling". 364645
Theory of three-body final states. 372353
Amaducci, S.
Authorization procedure for containers and modalities of transport of radioactive substances within the EC Member States. (EUR – 5663) 360673
Amagasa, Nobutada
1300MVA steam-turbine generators for Kansai Electric Power's Oi Nuclear Power Station. 350232
Amagishi, J.
Observation of current driven ion sound wave in a turbulently heated plasma (the MACH II). 356078
Amagishi, Y.
Observation of current-driven ion sound wave in a turbulently heated plasma (THE MACH II). (IPPJ – 274) 353506
Amagishi, Yoshimitsu
Notes on digital analysis of random signals. (IPPJ-T – 26) 350347
Amaglobeli, N.S.
Four-prong π^-p interactions with π^0 production. Pt. 2. Cross

section determination by statistical method; study on characteristics of proton and neutron production. (JINR-R – 1-8793) 364460
On the growth of associative multiplicity in dependence on transverse momentum. 375055
Amaldi, E.
J/psi production and high-mass electron-pair limit in pp collisions at square-roots = 52 GeV. 364461
Amamchyan, R.G.
Some problems of using adsorbents as a matrix material for low-temperature regenerators of cryogenic refrigerators. 360642
Amamiya, Hiroshi
Problems in measurement of electron energy distribution in space plasma with a probe. 368269
Amana, M.
Some current engineering topics in nuclear power plant components. 370808
Amano, Chikara
ESR of hot ions. 359770
Amano, H.
Development of radioactive waste management at the Japan Atomic Energy Research Institute. 368377
Preparation of ^{99}Mo, ^{132}Te isotopes and sup(99m)Tc, ^{132}I generators. 367094
Amano, Hiroshi
Sequential cation-exchange separation of molybdenum-99 and tellurium-132 from neutron irradiated U_3O_8. 359739
Amano, Kaname
Reconnection of magnetic field lines by clouds-in-cells plasma model. 373450
Amano, Yoshio
Radioactive isotope storage box and method of manufacture of the same. 350028
Amanov, K.A.
Some characteristics of gamma quanta in hadron interactions at energies above 2.5 TeV. 361742
Amanuma, T.
Plutonium utilization in thermal and fast reactors in Japan. 365822
Status of the development of mixed-oxide fuels in the power reactor and nuclear fuel development corporation (PNC). 368043
Amaral, L.
Electric field gradient in the cubic Ag host generated by different near-neighbour configurations of Pd impurities. 366401
Experimental study of structure and magnetic properties of the Hf sub(0.1) Zr sub(0.9) Fe_2 for pseudobinary compound. 363941
Amaral, L.Q
Study of the interaction of slow neutrons with DNA molecules: hydration and moving freedom of hydrogen atoms. 354751
Amaral, L.Q. do
Considerations about reactions occurring in pile irradiation of LiF crystals. 373376
Amaryan, M.Dzh.
Investigation of inclusive proton photoproduction by bremsstrahlung gamma quanta with maximum energy 2.0-4.5 GeV. 369458
Amati, D.
Classical kinks and their quantization in supercritical reggeon field theory. 368513
Gauge unambiguous quantization of Yang-Mills theory around classical solutions. 371337
Amato, M.A.
Carrier-assisted perpendicular pumping of spin waves in ferromagnetic semiconductors under strong fields. 364090
Effect of laser-cyclotron resonance on the Landau damping of plasma waves. 350796
Electromagnetic generation of acoustic waves in semiconductors under a strong magnetic field. 350702
Amatuni, A.N.
Standard samples for dilatometry. 354490
Amaya, K.
Specific heat of niobium in the mixed state between 0.03 and 0.3 K. 359891
Ambardanishvili, T.S.
Method for fabrication of neutron activation detectors. (Soviet patent document 308659/A/) 368270
Ambardanisvili, T.S.
Technique for producing neutron activation detectors. (Soviet patent document 348109/A/) 355492
Ambartsumyan, R.V.
Isotope separation in high-intensity IR laser field. 362226
Ambartsumyan, V.A.
Evolutionary processes in the universe. 356174
Ambartzumian, R.V.
Isotope-selective dissociation of the OsO_4 molecule by two pulses of infrared radiation at different frequencies. 359582
Ambasankaran, C.
Construction of a variable energy cyclotron at Calcutta : engineering aspects. 370732
Ambegaokar, V.
Soft modes in current-carrying superconducting filaments. 351102
Ambjoern, J.
On the decoupling of massive particles in field theory. (NBI-HE – 78-2) 376888
Ambridge, T.
n-type doping of gallium arsenide by ion implantation – the influence of implantation-induced damage and stoichiometry variations. 374655
Ambros, R.
Exposure during work in the controlled area of the Biblis A nuclear power plant. 370637
Radiation exposure during work in the controlled area of Biblis A nuclear power plant. 370638
Ambrose, C.J.
EBR-II derived fission yields from vanadium encapsulated fission monitors. (HEDL-TME – 75-130) 351379
Ambrose, C.L.
Noise measurements for voltage sensitive amplifier. 355605
Ambrosio, M.
An upper limit for the radiative decay width of the J/psi resonance into eta'(958) + γ. 369353
Ambroza, A.I.
Austenite grain size in KhVG, KH12M, R18 – steels after single and double quenching depending on the initial billet soze. 357313
Ambrus, Gy.
Mixed-bed system with outer regeneration. 365852
Amelin, V.Z.
"Uragan-3"-torsatron with a spatial divertor. (INIS-mf – 3954) 364161
Basic physical and technological problems of design of the TB-O experimental thermonuclear installation for longitudinal confinement of a pure plasma. (INIS-mf – 3954) 361489
Magnetic field of the single-cut toroidal torsatron. (KFTI – 74-36) 350797
Tokamak with an intense (higher 100kOe) magnetic field. (INIS-mf – 3954) 361487
The Uragan-2 experimental thermonuclear device of stellarator type. 350798
Amelinckx, S.
Selective radiation damage in the long period ordered Au_4Zn alloy. 349605
Amemiya, H.
Quenching of the plasma oscillation in the counter stream type beam-plasma interaction. 353507
Amemiya, Hiroshi
Scattering and energy broadening of an electron beam in a plasma. 371717
Amemiya, S.
Cross sections of the ^{63}Cu(p, 3n)^{61}Zn and the ^{63}Cu(p, p3n)^{60}Cu reactions. 359512
Amenda, W.
Construction of the pellet source for the W II b stellarator and first phase of operation. (IPP – 4/151) 353508
Amendolia, S.R.
A new fast and programmable trigger logic. 371097
Amerson, D.T.
Neutral hydrogen in the outer regions of M31. 359141
Ames, H.
Fast neutron spectrum measurements with a proton recoil spectrometer in the fast-thermal coupled critical facility STEK. (ECN – 26) 352445
Ames, H.S.
Automation of the National Water Quality Laboratories, U.S. Geological Survey. I. Description of laboratory functions and definition of the automation project. (UCRL – 52295(Pt.1)) 379284
Ames, L.L.
Actinide occurrences in sediments following ground disposal of acid wastes at 216-Z-9. (BNWL – 2117) 370252
Evaluation of a precipitation-ion exchange process for treatment of laundry waste. (BNWL – 2274) 371195
Proceedings of an actinide-sediment reactions working meeting. (BNWL – 2117) 369733, 370252, 370255, 370258, 370263, 370282, 371194
Amesz, J.
Probabalistic analysis of the protection of a PWR against overpressure. (EUR – 5640) 360911
Probabilistic analysis of accidental transients in a LMFBR. (CONF-761001 – P3) 365512
Ametov, K.K.
Nonhomogeneous charge neutralization kinetics in nonpolar organic solids (extended abstract). 362241
Amherd, N.A.
Advanced nuclear energy systems; retrospects and prospects. 352179
Amian, W.
Investigations of silver diffusion in HTR fuel particles. 370949
Recent working results of the programme 'diffusion data and fission product release'. (Juel – 1421) 355413
Amidyan, A.M.
Investigation of radiation and excitation spectra and peculiarities of roentgenoluminescence of oxysulfides activated by terbium. (INIS-mf – 3955) 362147
Amiel, S.
Development of a new approach to trace element analysis using neutron activation followed by high resolution X-ray spectrometry. 369517
Independent yields of fast-neutron fission of ^{232}Th: Observation of proton odd-even effect and neutron shell effect on the yields. 351374
Yields of Rb, Cs, Sr and Ba isotopes in thermal fission of ^{235}U. (IA – 1338) 364719
Amine Sobhani, E.
Volcanology and volcano sedimentology of Sahand region. 373413
Amineva, T.P.
Study on nucleon, pion and muon fluxes by means of X-ray emulsion chambers. 361659
Aminov, T.G.
Effect of anion substitution on "red shift" of absorption edge of

CdCrsub(2)Sesub(4-x)Ssub(x) single crystals. 348808
Magnetic properties in the vicinity of the Curie point of $CdCr_2Se_4$ doped single crystals. 377162
Spectra of photoconductivity of Ga doped $CdCr_2Se_4$ monocrystals. 377192
Aminova, M.M.
Separation of promethium and neodymium radioisotopes by mixed solvents. 349152
Amiot, P.
Fluctuations in the calculation of collective inertiae. 359370
Amirarjomand, S.
Calculation of pion form factor. (IC – 75-135) 361859
Amiraslanov, I.R.
Crystal structure of double lithium praseodymium ortho-borate-$Li_3Pr_2(BO_3)_3$. 359578
Amirkhanov, I.V.
Study on the third-order nonlinear resonance (vsub(x) = 2/3) by the Krylov-Bogolyubov method in the second approximation. (JINR-R – 11-9108) 379477
Three-dimensional formulation of the relativistic two-body problem in terms of rapidities. 371338
Amirkhanov, Kh.I.
Measurement of thermal conducitivity of Cdsub(0.28) Hgsub(0.72)Te at hydrostatic pressure. 366389
Thermal magnetoresistance of crystals of mercury telluride with cadmium. 350703
Amirkhanov, Kh.N.
Secular variations of ^{57}Fe nuclear levels in minerals. 378822
Amirkhanova, D.Kh.
Phonon drag in cadmium-doped mercury telluride crystals. 348753
Thermal magnetoresistance of crystals of mercury telluride with cadmium. 350703
Amirkhanova, N.A.
Investigation into electrochemical behavior of molybdenum VM-1 alloy at high current density. 349421
Studying VM-1 molybdenum alloy workability at high current density. 362361
Amirkhanyan, A.S.
Conspicuous changes of the shape of two cometary nebulae. 369094
Amirkulov, D.
Gamma induced chromosomal aberrations in meristem cells of cotton hybrids and their parental forms. 362651
Amiryan, A.M.
Spectral-kinetic investigation of cathodoluminescence of rare earth oxysulfides. (INIS-mf – 3955) 362148
Amis, T.C.
Effect of posture on distribution of pulmonary ventilation and perfusion studied with sup(81m)Kr and sup(85m)Kr. 367611
Amit Nath
DDT-dehydrochlorinase from the desert locust Schistocerca gregaria Forskal. 370429
Amlot, P.L.
Atopy and immunoglobulin E concentrations in Hodgkin's disease and other lymphomas. 376175
Ammadi, M.R.
Nuclear technician training program in Iran. 352515
Ammann, W.W.
Investigation and application of pattern recognition techniques to medical picture data (scintigrams). 376231
Ammar, A.A.
New developments in the techniques of uranium exploration in Egypt. Case histories for exploration under arid conditions. 365261
Ammerlaan, C.A.J.
Electron paramagnetic resonance of new defects in heavily phosphorus-doped silicon after electron irradiation. 370217
Extended-Hueckel-theory calculation of hyperfine interactions of the positive divacancy in silicon. 370127
Ammon, J.
Standardized nuclear medicine investigations during polychemotherapy of metastasized breast cancer and oat cell bronchial carcinoma. (INIS-mf – 4010) 357700
Ammon, R. v.
Optimization of the low-temperature rectification technique for Kr 85 separation from the waste gas of reprocessing plants. 369827
Ammon, R. von
Development of ^{85}Kr separation from the off-gas of the large reprocessing plant: Findings of the prototype test plants ADAMO and KRETA. (AED-Conf – 77-403-004) 375737
Fuel reprocessing and waste treatment at Karlsruhe Nuclear Research Centre. 367202
Separation of krypton and xenon from the offgas of nuclear facilities. (KFK – 2435) 357914
Ammon, R.L.
Materials requirements for intermediate heat exchangers in VHTR systems. 360866
Ammons, C.
A simple radioassay for angiotensin-converting enzyme. 360399
Ammosov, V.V.
A study of πsup(+), πsup(-) and proton production in pp interactions at 69 GeV/c. 361867
System of programs for processing images from large bubble chambers on the BESM-6 computer. (IFVE-PPK – 75-26) 353019
Amols, H.I.
Dosimetry of pion therapy beams. 352351
Physical characterization of neutron beams produced by protons and deuterons of various energies bombarding beryllium and lithium targets of several thicknesses. 373931
Use of a dynamic rangeshifter for modifying the depth-dose distributions of negative pions. 352345
Amonenko, V.M.
Discontinuous yield of nickel-zirconium and nickel-scandium alloys produced in vacuum. (KFTI – 75-10) 354491
Amos, H.E.
Possible role of antibody specific for a practolol metabolite in the pathogenesis of oculomucocutaneous syndrome. 379087
Amos, K.
A simple model of ^{90}Zr. 366948
Strength estimate of inelastic hadron scattering to giant resonances in ^{16}O. 354031
Amos, T.M. Jr.
Developing construction labor through modular training. 358150
Ampelogova, N.I.
Radiochemistry of polonium. 349319
Amrakhov, T.I.
Investigation of complexing in metal (titanium(3,4), molybdenum(5), niobium(5), tantalum(5), vanadium(2)) – rhodanide – amine system. (INIS-mf – 4192) 375380
Amrakhov, T.P.
Extraction-photometric method for determination of titanium (3), molybdenum (5), niobium (5) using rhodanide and triethylamine and diphenylguanidine. 375223
Amritkar, R.E.
Anomalous low temperature specific heat of solid helium. 366787
Amsden, A.A.
Hydrodynamical calculations of heavy-ion collisions. (LA-UR – 77-1965) 361951
Amsler, C.
Proton-proton elastic scattering from 150 to 515 MeV. (RL – 77-146/B) 375068
Amsterdam, E.A.
Evaluation of myocardial uptake of /sup 99m/Tc pyrophosphate in clinical exercise-induced ventricular ischemia. 360368
Amten, L.
Precise measurements of the elastic n-d differential cross section at low energy. 366962
Amthauer, G.
The Moessbauer spectrum of ^{57}Fe in titanium-bearing andradites. 363942
Amundsen, P.A.
Coulomb deflection and wavefunction dependency in proton-induced L-shell ionization. 376959
Amus'ya, M.Ya.
Elastic scattering of slow positrons on atoms. (INIS-mf – 3915) 368606
Magnetic hypersusceptibility of atoms. 350558
Singularities of the forward elastic scattering amplitude of electrons on atoms. 368607
Amyot, L.
The challenge of nuclear energy to Quebec industry. 363069, 363070, 363478, 363482, 365960
An, Bunzai
Method of recovering radioactive rare gases. 350388
An, S.
Key issues on safety design basis selection and safety assessment. (CONF-761001 – P1) 362850
An, Shigehiro
Characteristics of YAYOI pulse operation by reactivity insertion with R-pulser. 361012
Simultaneous measurement of neutron noise with vibration of a control plate under reactor operating condition at JRR-4. (UTNL-R – 0034) 379538
Simultaneous measurements of neutronic noise with fluctuation of inlet coolant temperature and vibration of a control rod at KUR. (UTNL-R – 0035) 379539
Two-dimensional shielding benchmarks for iron at YAYOI, (1). (UTNL-R – 0032) 366910
Two-dimensional shielding benchmarks for sodium and iron at YAYOI. (UTNL-R – 0042) 366909
Anacleto, R.
Secondary uraniferous minerals of Linopolis (Minas Gerais, Brazil). 351953
Anami, S.
Development of KEK injector linac. 363357
Anan'eva, L.A.
Experimental investigation of phase relations in the system uranium-oxygen (UOsub(2,5)-UOsub(2,6)) in aqueous medium at temperatures 150 to 350 deg C. 349651
Anan'eva, N.D.
Kinetics of irreversible absorption of ^{14}C labelled carbon dioxide by various soils. 349816
Anan'in, A.V.
Shock waves effect on zirconium dioxide. 349560
Anand, H.R.
Moessbauer study of dispersed iron ions in alkali halides. 371554
Anand, K.V.
A low energy implantation system for the fabrication of Mn-implanted ZnS electroluminescent films. 377235
A study of silicon oxides prepared by oxygen implantation into silicon. 350707
Anand, S.R.
Distribution of cyclic-AMP-phosphodiesterases activity in buffalo spermatozoa. 352090
Ananiev, V.D.
IBR-2-the periodically pulsed reactor for neutron investigations. (INIS-mf – 3946) 356682
Anantatmula, R.P.
Corrosion considerations in alloy development. (CONF-760503 – P2) 352724

Ananthakrishna, G.
Activity report 1975. (RRC – 19) 376403
Ananthakrishnan, M.
Separation of caesium-137 from fission products using phosphotungstic acid. (BARC – 895) 375650
Studies on inorganic exchangers – ammonium phosphomolybdate (AMP) and ammonium phosphotungstate (APW). (BARC – 893) 375649
Studies on inorganic ion-exchangers. Part I : application of polyantimonic acid for the polishing of uranium product of reprocessing stream. (BARC – 915) 375523
Anashin, V.V.
The NAP-M proton storage. 379478
Use of synchrotron radiation from the VE PP-3 storage for x-ray structural analysis. (IAE – 2385) 350076
Anastasijevic, P.
The role of nuclear research centres in the introduction of a nuclear power programme. 371311
Anastasio, M.R.
Meson exchange and the theory of finite Fermi systems. 354032
Anatkov, A.
Use of radionuclides in the study of iron metabolism in iron deficient states. 367686
Anbar, M.
A precision isotope ratio mass spectrometer for the analysis of $^{6}Li/^{7}Li$. 355609
Ancellin, J.
Marine radioecology: some aspects of research applied to radioecological protection. 354880
Ancona, A.
Nodal coupling by response matrix principles. 374112
Ancri, D.
Effect of tin on the tissue distribution of /sup 99m/Tc – sodium pertechnetate. 362764
Andanson, P.
Numerical solution of the Abel integral equation: application to plasma spectroscopy. 377330
Andel, H.W.H. van
Experimental study of dynamic stabilization of dissipative drift modes by oscillating azimuthal magnetic field. 366589
Andelfinger, C.
Experiment Pustarex for collective acceleration of heavy ions in electron rings. 363133
Anderhub, H.
Search for the metastable 2s state in muonic hydrogen. 361331
Anderko, K.
Creep behaviour of SNR cladding tube material under the temperature transients relevant to cooling disturbances. 370025
Creep behaviour of the austenitic steel 1,4970 during and after neutron irradiation in the BR2 plant. 370240
International conference on irradiation effects in structural materials for breeder reactors. 373329
Anderl, R.A.
Reports to the ERDA Nuclear Data Committee. (BNL-NCS – 22500) 356685
Use of an isotope separator at the INEL. (LA – 6850-C) 370666
Anders, E.
Further studies of trace elements in C3 chondrites. 364920
Meteorite material at five large impact craters. 376009
Noble gases in the Allende and Abee meteorites and a gas-rich mineral fraction: investigation by stepwise heating. 369203
Primordial noble gases in chondrites: the abundance pattern was established in the solar nebula. 377586
Andersen, A.C.
Fractionated x-radiation damage to developing ovaries in the Bonnet Monkey (Macaca radiata). 365378
Andersen, B.V.
Radiological design criteria. 355024
Andersen, H.H.
Hydrogen. Stopping powers and ranges in all elements. 372566
Investigation of collision cascades in solids by transmission sputtering of thin foils. 353403
Andersen, J.
Modeling techniques of electrical surge arrestors for EMP simulations. 363116
Andersen, J.U.
Channeling of electrons and positrons. 355935
Pb-K-shell ionization in α decay and α backscattering. I. 377072
Pb-K-shell ionization in α decay and α backscattering. II. 377053
Andersen, N.
Autoionising neon levels excited in 5-10 keV collisions with lithium and sodium. 366313
Andersen, N.H.
Critical behaviour of the magnetization in TbSb and $Tb_{0.6}Y_{0.4}Sb$. 378601
Resistivity measurements on the singlet ground state system Tb/sub c/Y/sub 1-c/Sb. Effects of electron-exciton scattering. 378583
Andersen, S.K.
Channeling of electrons and positrons. 355935
Andersen, T.
Experimental investigation of 2s-vacancy production in 0.3-300-keV N^{0}/Ne^{+}-Ne collisions. 376960
Andersen, V.
A method for autoradiographic studies of single clones of plaque forming cells. 376149
Anderson, A.
A controlled power supply for the electrolytic enrichment of tritium. 365654
Anderson, A.C.
Kapitza resistance to solid He^{4} below 1 K. 364453
Specific heats of Li, Na, K, and Ag β-alumina below 1 K. 367225
Thermal boundary resistance at metal-epoxy interfaces. 367316
Thermal conductivity of an electrically conducting epoxy below 3 K. 367320
Anderson, A.R.
Contribution of the 'safeguarded' to the development of safeguards. 371295
Anderson, B.
Radio structure of 3C147 determined by multi-element very long baseline interferometry. 356346
Statistical investigation of compact emitting regions in extragalactic radio sources. 374872
Anderson, B.H.
Improved ultrasonic nondestructive testing of pressure vessels. Annual progress report, August 1, 1975 – July 31, 1976. (NUREG – 0007-2) 365803
Anderson, B.W.
Method of treating non-supporting underground formations. (German (F.R.) patent document 2425312/C/) 373394
Anderson, C.A.
Constitutive models for concrete and finite element analysis of prestressed concrete reactor vessels. (LA-UR – 77-1992) 374228
Finite element analysis of prestressed concrete reactor vessels. (LA-UR – 77-530) 358266
Summary of structural safety analysis of HTGR core supports. (LA-UR – 77-1994) 365513
Anderson, D.
Effect of growth-rate modulation on the nonlinear mode coupling between stable and unstable plasma waves. 366492
Interpretation of enhanced laser-plasma backscattering due to prepulse radiation. 366493
Resonant wave interactions in inhomogeneous media. 366494
Anderson, D.E.
Comparative electrical generation costs. 361131
Anderson, D.R.
Effects of thermal discharges on aquatic biota. Combined effects of waste heat and environmental factors acting in concert. (BNWL – 2100(Pt.2)) 362594
Effects of water quality alterations on fish behavior. (BNWL – 2100(Pt.2)) 362936
Trace metal toxicity in aquatic teleosts (fishes). 349888
U.S. seabed high-level radioactive waste disposal feasibility study. 352887
Anderson, D.V.
Reversed field Vlasov equilibria and orbits in 2D axisymmetric 2XIIB configurations. (UCRL – 79844) 371718
Anderson, E.B.
Isotopic dating methods in nuclear raw materials prospecting. 365272
Anderson, F.H.
Design criteria for the new waste calcining facility at the Idaho Chemical Processing Plant. 358465
Anderson, H.F.
Tritium waste control project: October 1976 – March 1977. (MLM – 2451) 374400
Anderson, H.L.
Further muonic-atom test of vacuum polarization. 350625
Anderson, J.D.
Differential integral experiments for testing cross section evaluations for fusion reactors. (UCRL – 79452) 350862
Hydrogen and helium production cross sections for 15-MeV neutrons on types 316 and 304 stainless steel. 351361
Measurement of the proton spectrum from the $^{2}H(n,p)2n$ reaction at 13.98 MeV and the neutron-neutron scattering length. 351360
Mica fission detectors. (UCID – 17563) 363601
Radio science investigations with Voyager. 374902
Anderson, J.G.
Responses of a benthic marine invertebrate to γ-irradiated sediment. 365381
Anderson, J.H.
Direct nuclear pumped laser approaching feedback laser fusion needs. (COO – 2007-87) 361612
Anderson, J.R.
An economical way to run PDP11 peripherals on a PDP15 computer. 371150
Anderson, J.S.
High resolution electron microscopy of boric acid-Nb_2O_5 complexes and doped Ta_2O_5 systems. 373296
Anderson, K.A.
Dawn-dusk gradient of the precipitation of low-energy electrons over the polar cap and its relation to the interplanetary magnetic field. 370304
Observations of magnetic merging and the formation of the plasma sheet in the earth's magnetotail. 351973
Anderson, L.
Proton and pion spectra at large angles in relativistic heavy-ion collisions. (LBL – 670) 378037
Anderson, L.W.
Nanosecond time-resolved spectroscopy of the n = 2 levels in a high-pressure He discharge. 358773
Anderson, M.E.
Half-life of ^{56}Co. 356683
Anderson, M.M.
Review of advanced reactor transient analysis capabilities and applications for Savannah River Plant reactors. (DP-MS – 77-1) 358324
WRAP: a water reactor analysis package. (DPST-NUREG – 77-1) 368091

Anderson, M.R.
A neutron diffraction study of lanthanum magnesium nitrate $La_2Mg_3(NO_3)_{12}.24H_2O$. 361413
Anderson, O.
A study of γ-decay modes from high angular momentum nuclear states by high order multiplicity measurements. 377955
Anderson, O.A.
High energy negative deuterium beams using double charge-exchange or surface production. (UCRL - 80406) 377434
Negative beam generation, transport, and acceleration. (UCRL - 79728) 371990
Plasma production and flow in negative ion beams. (UCRL - 80099) 371719
Sixty keV D^- beams using double charge-exchange system. (UCRL - 80102) 374064
Anderson, R.A.
Propagation velocity of cathode-initiated surface flashover. 363092
Anderson, R.E.
(^{3}He,n) reaction studies near N=82. (TID - 27909) 377959
^{208}Pb(^{3}He,p)^{210}Bi reaction. (TID - 27909) 378043
Level structure of ^{102}Rh via (^{3}He,d) and (p,d) reactions. (TID - 27909) 378059
The level structure of ^{111}Ag via the ^{110}Pd(^{3}He, d)^{111}Ag reaction. 354134
Level structure of ^{84}Rb. (TID - 27909) 378057
Level structure of ^{99}Tc by inelastic scattering and proton stripping. 356856
Negative parity spectrum of ^{30}Si. (TID - 27909) 378060
Observation of the proton-pairing vibration in ^{206}Pb. 366963
Portsmouth Gaseous Diffusion Plant environmental monitoring report for calendar year 1976. (GAT - 914) 362978
Proton pairing states observed in the ^{208}Pb(^{3}He,n)^{210}Po reaction. (TID - 27909) 377960
Proton shell closures at Z=38. (TID - 27909) 377957
Radiosensitivity of defined populations of lymphocytes. VI. Functional, structural, and biochemical consequences of in vitro irradiation. 362624
Single-particle component of the first excited state of ^{211}Bi. 351351
Structure of ^{88}Sr from the ^{86}Kr(^{3}He,n)^{88}Sr reaction. 372695
Structure of the odd - odd nucleus ^{112}In. (TID - 27909) 377989
A study of the ^{99}Tc(p, d)^{98}Tc reaction. 372745
Study of 2p - 1h states in the Z=50 proton shell via the $^{113-115}$In(^{3}He,n)$^{115-117}$Sb reaction. (TID - 27909) 377958
Two-proton excitations at the Z=38 and Z=40 sub-shell closures. (TID - 27909) 377956
Anderson, R.F.
Critical residues in D-amino acid oxidase. 365342
Paleomagnetism and radiochemical age estimates for Late Brunhes polarity episodes. 357455
Reactions induced by hydroxyl radical attack on acetylene in aqueous solution. A pulse radiolysis study. 378502
Anderson, R.G.
Silane purification via laser-induced chemistry. 369532
Anderson, R.N.
Separation of zirconium - hafnium by nitride precipitation. (US patent document 4,036,637/A/) 362117
Waste management and proliferation: an assessment of technologies and policies relevant to nuclear power. Final report, June 1975 - March 1977. (BNL - 50694) 366069
Anderson, R.R.
Wave-particle interactions in the evening magnetosphere during geomagnetically disturbed periods. 362598
Anderson, R.Y.
Salt anticlines in the Castile-Salado evaporite sequence, northern Delaware Basin, New Mexico. (SAND - 77-0431C) 357439
Anderson, S.I.
Feed-and-bleed operation at Rancho Seco. 358104
Anderson, T.F.
The effect of fluid pressure on oxygen isotope exchange between feldspar and water. 375610
Anderson, T.L.
Simplified thermal transient and inelastic analysis screening methods per appendix T, Code Case 1592 for 2 1/4 Cr-1 Mo steel. 361003
Anderson, T.T.
Analysis on sodium boiling experiment in FFM bundle 3B, test 4. 352293
Stability of lithium niobate on irradiation at elevated temperature. 367342
Anderson, V.E.
Atomic and molecular physics, physicochemical properties of biologically important structure, and high-voltage research . (ORNL - 5171) 366238
Comment on "Probability of escaping neutralization when the mobility is field dependent". 367160
Electron slowing-down flux spectrum in Al_2O_3. 364636
Physics of solids and macromolecules. (ORNL - 5171) 367226
Anderson, W.G.
Modeling of pool swell dynamics. Progress report. (NUREG - 0288) 352186
Anderson, W.R.
Management of the interfaces between construction and startup. 358106
Andersson, B.
On the correlation between fast target protons and the number of hadron-nuclean collisions in high energy hadron-nucleus reactions. (LUIP - 7710) 362034
Proton-nucleus collisions according to the Nadau hydrodynamical model. 364462
A quark parton model for hadronic fragmentation distributions. 364463
Andersson, C.G.
Nucleon binding in nuclei at high angular momentum. 369415
Oblate high spin isomers. 361952
Search for the yrast traps in neutron deficient rare earth nuclei. 354054
Andersson, G.
Mass yields in the binary fission of Ag, La and Tb. 362035
Mass yields in the binary fission of Ag, La, and Tb. (LUNFD6-NFFR - 3013) 375150
Andersson, K.A.B.
Morphologies of rf sputter-deposited solid lubricants. 348754
Ando, A.
Attempts to induce mutants resistant or tolerant to golden mosaic virus in dry beans (Phaseolus vulgaris). 373740
Beam lifetime in the initial operation of KEK main ring. 363134
Influence of humidity in the radiosensitivity of bean seeds (Phaseolus vulgaris L.). (CENA-BC - 037) 354764
Prototype multipole magnets for the KEK main ring. 363135
Ando, Atsushi
Relations between location of elements in periodic table and affinity for the kidneys. 379140
Study of distribution of ^{169}Yb, ^{67}Ga, and ^{111}In in tumor tissue by macroautoradiography. 354829
Study of distribution of ^{203}Hg-chlormerodrin, ^{203}Hg-nitrate and sup(99m)Tc-DMSA in kidney by macroautoradiography. 379182
Study of subcellular distribution of ^{169}Yb and ^{111}In in tumor and liver. 349775
Study on tumor affinity of sup(99m)Tc-labeled radiopharmaceuticals. 349843
Whole-body retention studies of ^{169}Yb-citrate. 379088
Ando, Hisashi
Comparison of monitoring methods for environmental γ-radiation dose rate. 358381
Ando, Hisataka
Development of nondestructive measurement of cold work rate, (1). (PNCT - 831-77-01) 379527
Ando, Itsuko
Relations between location of elements in periodic table and affinity for the kidneys. 379140
Study of distribution of ^{169}Yb, ^{67}Ga, and ^{111}In in tumor tissue by macroautoradiography. 354829
Study of distribution of ^{203}Hg-chlormerodrin, ^{203}Hg-nitrate and sup(99m)Tc-DMSA in kidney by macroautoradiography. 379182
Study of subcellular distribution of ^{169}Yb and ^{111}In in tumor and liver. 349775
Whole-body retention studies of ^{169}Yb-citrate. 379088
Ando, K.
Repair of potentially lethal radiation damage in a spontaneous animal tumour in vivo. 379046
Ando, Kazuhiko
Multiple scattering equation for two particle-one hole system and generalized vertex in core polarization of nuclei, 2. 354033, 354034
Ando, Koichi
Effect of x-irradiation on cell kinetics of esophageal membrane cells in mice. 367480
Ando, T.
A microscopic analysis of scattering of α-particles on ^{12}C. 377940
Ando, Tsuneyo
A note on the transfer-function matrix of fluid transmission lines. 379440
Ando, Y.
Application of finite element dynamic analysis to fracture mechanics. (INIS-mf - 3847) 358050
Outlook of energy source and supply. 371215
Research and development of spent-fuel shipping casks and the criteria for sea-going vessels carrying them. 367940
Ando, Yoshio
Reactor vessel structural response tests at FBR hypothetical accident. 355450
Review of current status of LWR safety research in Japan. 367803
Structural reliability and its proving in reactor technology. 374151
Andra, N.J.
Elliptic pelarization of the light emission from surface scattered ion beams at grazing incidence. (INIS-mf - 3996) 363864
Andrade e Silva, L.G. de
Effect of crystalline condition on the radiolysis of solid succinic acid. (IEA - 448) 351648
Selective hydrogen atom abstraction by hydrogen atoms in photolysis of cyclohexane-normal pentane mixtures at 77 K. (IEA - 473) 351998
Andrade, E.
Mechanisms in d+^{6}Li three-body reactions at low bombarding energies. 356836
Andrade, S.G.
Low density clustering effects of Skyrme interactions in nuclear matter. (IFT - 251/77) 351263
Andrae, H.
The execution of the KNK-II project from the producer's point of view. 376566
The influence of backfitting in the KNK II licensing procedure. 371021
The producer's experiences in converting the KNK into a fast reactor KNK II. 371024
Andrae, H.J.
Lifetime measurements by pulsed laser excitation of fast ion beams. 371507
Andrae, R.W.
Ventilation systems analysis during tornado conditions. Progress

report, October 1, 1976 – April 30, 1977. (LA – 6999-PR) 373887
Andrasi, A.
Study on internal contamination due to tellurium isotope mixture. 354838
Andre, J.-M.
Quantum theory of polymers. 374790
Andre, R.
Drop test of a hundred-tonne packaging for the shipment of irradiated fuel – Deformation calculated by a computer code and experimental verification. 350015
Andre, S.
High spin states in ^{163}Tm. 356761
Andreenko, A.S.
Magnetic phase transformations and the magnetocaloric effect in single crystals of Tb-Y alloys. 374754
Andreenko, S.N.
Technique for a reactor charging machine guidance on a technology channel of a nuclear reactor. (Soviet patent document 392793/A/) 379443
Andreescu, N.
Some aspects of the implementation of a nuclear fuel technology project. 369828
Andreev, A.A.
Optical spectra of ReO_2 and ReO_3. 375450
Andreev, A.F.
Magnetic phases of solid He^3. 377678
Andreev, A.V.
Fast neutron generator. (Soviet patent document 402945/A/) 355078
Andreev, B.M.
Separation coefficients of reactions of tritium isotopic exchange in water-hydrogen sulfide, water-hydrogen and ammonia-hydrogen systems. 378198
Andreev, E.A.
Semiconductor spectometer of current signal fronts. 358331
Technique for electronic collimation of DD-neutrons by means of Ge(Li) detector. 358332
Time-of-flight spectrometer in DD-neutron experiments. 379855
Andreev, E.M.
Optical system of the RISK facility (design). (JINR – 13-8550) 361016
Andreev, E.P.
Scattering of electrons by inert gas atoms with ejection of one or two electrons from the outer shell. 348736
Andreev, F.I.
Kinetics of vanadate-ion reduction with sodium tetrahydridoborate in alkali medium. 351504
Mechanism of tungstate-ion reduction by sodium tetrahydridoborate in alkali medium. 351503
Andreev, P.A.
Magnetic aftereffect in Sm-Co and Gd-Co films. 348844
Andreev, S.P.
Resonance broadening in an intense light field. 355852
Andreev, S.V.
Use of thoron for air tightness control of film-made articles. 357884
Andreev, V.K.
Hydraulic resistance and heat transfer in systems for superconducting magnets cooling. (INIS-mf – 3954) 361523
Andreev, V.R.
Control system for state and protection of a superconducting winding of a longitudinal field in the " T-10M" facility. (INIS-mf – 3954) 364155
Andreev, Yu.M.
Solar neutrinos and the role of exchange currents in the pp reaction. 369262
Andreeva, A.B.
Corrosion resistance of carbon steels in conditions of steam lines of APS with boiling-water reactor VK-50. 375728
Andreeva, G.T.
Magnetic ordering in ferroelectric Co-I boracite. 350769
Twinning in orthorhombic phase of Fe-I boracide. 377226
Andreeva, I.N.
Density and velocity of ultrasonic propagation in aqueous solutions contaning zinc and cadmium acidocomplexes. 351465
Investigation into heat capacity of aqueous solutions of perchlorates of the periodic system group 2 elements. 349251
Andreeva, I.V.
Intergeneric mating: transfer of polA gene from E. coli to S. typhimurium. 373501
Andreeva, L.E.
Electrolyte for precipitation of ruthenium base alloy. (Soviet patent document 461159/A/) 375492
Andreeva, N.N.
Application of organic reagents for photometric determination of samarium, scandium and thorium from one weighed amount of mineral raw material. (INIS-mf – 4192) 375309
Andreeva, T.G.
Use of the method of generalized potentials of zero radius in the scattering theory. (INIS-mf – 3915) 348636
Andreeva, V.V.
Corrosion resistance and electrochemical and physicomechanical properties of vanadium-zirconium alloys. (INIS-mf – 3839) 367177
Andreh, S.
High-spin energy states of ^{233}U. 377973
Andreichikov, B.M.
Gas-analysis equipment of the automatic interplanetary stations Venera-4, 5, 6 and 8. 372281
Andrejchikov, B.I.
Mobile biological shielding. (Soviet patent document 401250/A/) 379542
Andrejchuk, A.M.
Determination of excess component in non-stoichiometric cadmium telluride crystals. 349192
Andrejchuk, L.M.
Measurement of prompt neutron spectra of ^{233}, ^{235}U, ^{239}Pu fission with thermal neutrons by relative and absolute methods. (INIS-mf – 3896) 356684
Andrejkov, E.I.
Catalytic properties of V_2O_5-Nb_2O_5 system. 351570
Andrejol, J.
A 1m^2 gamma ray spark chamber telescope for the energy range 10-100 MeV. 379929
Andrejtscheff, W.
Higher-order phonon admixtures in odd-odd deformed nuclei. (ZfK – 336) 364734
Nanosecond isomers in the doubly-odd N = 89 nucleus ^{152}Eu. (ZfK – 336) 364733
Andreozzi, U.
Differences in the effects of anaesthesia on hypoxia in normal tissues. 365386
Factors to be considered in deciding on fraction size for neutron therapy. 379020
Andres, H.
Technical aspects in connection with preliminary decision and construction design approval. 352463
Andres, K.
Induced Jahn-Teller transition in $PrCu_2$. 378703
Andresen, A.F.
An intercomparison of neutron powder diffraction instruments. 361414
Andresen, B.
Oscillatory behavior of Rydberg-state total cross sections in the collisions Ne^+-He and He^+-Ne. 350559
Andresen, Bjarne
Studies of outer-shell excitations in the Li^+, Na^+-He, Ne collisions. 353177
Andresen, R.D.
The ability of a gas scintillation proportional counter to reject background events in a space environment. 358333
Andreu, P.
Architecture and aesthetics of nuclear power plants. 354978
The influence of reactant structure on reactivity and isotope effects in the cracking of alkylbenzenes over an acid catalyst. 367066
Andreux, F.
Determination of the characteristics and transformations in a mull medium of a humic model derived from auto-oxidation of the catechol-glycine system and selectively labelled with carbon-14. 357656
Andrew, E.R.
Body-scanning by nuclear spin. 373759
Andrew, F.D.
Disposition of ^{85}Kr in gravid rats. (BNWL – 2100(Pt.1)) 360297
Late effects of ^{239}Pu administered at representative stages of gestation. (BNWL – 2100(Pt.1)) 360296
Preliminary studies in sheep exposed to ^{85}Kr atmospheres. (BNWL – 2100(Pt.1)) 360298
Strain differences in the embryotoxicity of ^{239}Pu. (BNWL – 2100(Pt.1)) 360344
Andrew, J.F.
Compatibility of helium- and soidum-bonded hyperstoichimetric (U,Pu)C with advanced cladding alloys. (LA-UR – 77-1377) 352766
Andrews, D.
Experimental study of nuclear shadowing in photoproduction. 359342
Andrews, D.A.
Proposed method for an improved measurement of the (n = 2) Lamb shift in atomic hydrogen. 348637
Andrews, G.A.
Use of rare-earth radionuclides and other bone-seekers in the evaluation of bone lesions in patients with multiple myeloma or solitary plasmacytoma. 362777
Andrews, H.N.
Emergency cooling system for nuclear reactors. 358062
Improvements in or relating to method and apparatus for protecting the core of a nuclear reactor. 363454
Andrews, H.R.
Beta-delayed proton emission: a new series of precursors and the measurement of 10^{-16} s nuclear lifetimes. (AECL – 5560) 375180
Electromagnetic properties of the ground state rotational band in ^{169}Tm. 356900
Magnetic moments of N = 50 isotones and proton core polarization. 372761
Tsub(z)=1/2 β-delayed proton precursors. I. 354232
Andrews, L.J.
Engineered storage for the disposal of non-fuel bearing components from nuclear facilities and general radioactive waste. 358509
Andrews, M.G.
Light water reactor fuel rod modeling code evaluation. Phase II topical report. (CENPD – 218) 379620
Andrews, T.K.
Culture of cells from beagles with bronchioloalveolar carcinoma. (BNWL – 2100(Pt.1)) 360314
Andrezen, L.M.
Ionizing radiation-induced solidification of the urea-formaldehyderesins. (INIS-mf – 4194) 376279

Andrianov, A.M.
Conductive shells compression in pusle high magnetic fields. (IAE – 2624) 356079
Andrianov, B.G.
Crystal and molecular structure of tetrakis-(cyclopentadienyl-iodotungsten tricarbonyl) silver borofluoride. 349286
Andrianov, G.Ya.
Review and discussion of the results of physical start-up investigations of WWER-type reactor cores. 350218
Andrianova, I.I.
Mechano-thermal treatment of armco-iron. 349453
Andric, I.
Scaling, cluster and coherence properties in the linear chain decay. 353754
Andrick, D.
Measurement of free – free processes in e^- – Ar scattering. 353178
Andriesh, I.S.
Calculation of temperature broadening of the phononless A-line in the sup(4)Fsub(3/2)→sup(4)Isub(11/2) luminescence band of Nd^{3+} ion in yytrium-aluminium garnet. 368608
Contribution of one- and two-phonon processes into temperature shift and level broadening of impurity rare earth ions. (INIS-mf – 3955) 377214
Andrievskij, V.N.
Extraction of platinum metals by alkyl anilines from solutions of chlorination of industrial copper-nickel half-finished products. 362180
Neutron activation determination of iridium in rocks, ores, and ore concentrates. 375980
Andriyanova, G.N.
Calculation of cross-sections of electron-molecule elastic collisions. 358696
Andro, P.
Experimental evidence for electron correlation effects in hopping conduction at low temperatures. 359894
Transport properties of superconducting and nonsuperconducting sputtered thin films of Nb – N (critical field). 360007
Andronenko, L.N.
Fission of medium mass nuclei induced by 1 GeV protons. (ZfK – 336) 364735
Technique for measurement of relative cross sections of nuclear fission. (LIYF – 171) 379943
Andronenko, S.I.
Measurement and calculation of the electric field gradient on ^{51}V nuclei in calcium metavanadate. 374721
Andronik, I.K.
Luminescence of Znsub(x)Cdsub(x-1)Te on the absorption edge at high excitation. 371557
Andronikashvili, E.L.
Resonance attenuation of sound and acoustic quantum generation in niobium containing hydrogen. 351727
Andronikashvili, Eh.L.
Activation analysis of ribonucleic acides isolated from normal and tumoured tissues. (INIS-mf – 3994) 378087
Andronov, O.I.
Multi-purpose linear discriminator. 363605
Andronov, Yu.F.
Probability of the spin flip in 6 MeV proton inelastic scattering on ^{26}Mg. 378074
Andrusenko, N.P.
On the off-shell effective range approximation. 375098
Andrushchenko, N.S.
Influence of SrF_2 and ZrO_2 additives on kinetics of $SrTiO_3$ sintering. 370097
Andryukhina, E.D.
Some characteristics of ohmic heating plasma in the L-2 stellarator. (INIS-mf – 3963) 371712
Andryushchenko-Lutsenko, N.I.
Control computer system for a proton cyclic accelerator. (INIS-mf – 3909) 374042
Andryushchenko, F.K.
Measurement of capacity of double electric layer on niobium in nitrate solutions. 378199
Andryushchenko, V.I.
Production of carbide coatings on graphite. 369850
Andryushin, A.I.
Phase diagram of Eu_2O_3 – MoO_3 system. 351466
Andryushin, B.G.
Investigation of thorium hydroxopropionates. 365016
Andryushin, E.A.
Electron-hole liquid in layered semiconductors. 374656
Anfimov, I.S.
Structure and content of strengthened layer resulting from electric spark alloying of steel 45. 370043
Angadi, S.D.
Dioxouranium(VI) complexes with Schiff bases. 354319
Angel, G.C.
Ionisation and charge transfer in fast H^+-He^+ collisions: further measurements of improved accuracy. 374598
Angel, J.R.P.
Effect of vacuum birefringence on the polarization of x-ray binaries and pulsars. 351060
Magnetism in white dwarfs. 350976
New observations and a slow rotator model of the X-ray binary AM Herculis. 369208
Spectral development of Nova Cygni 1975. 351086
Stellar crystal x-ray spectroscopy on OSO-8. (CONF-7510169 –) 364352
Angelberger, P.
Preparation of ^{131}J-labelled diphenylhydantoin and its organ distribution in rats. (SGAE – 2701) 354393
Preparation of diphenylhydantoin labelled with ^{131}I and its organ distribution in rats. (SGAE – 2642) 373009
Synthesis and ^{131}I-labelling of 6β-^{131}I-Iodomethyl-19-Norcholest-5(10)-en-3β-ol (6β-^{131}I-Iodomethyl-Cholesterol) for Adrenoscintigraphy. (SGAE – 2611) 373008
Angelescu, T.
Diffusion of πsup(+-) mesons on D, ^3He, ^4He with a streamer self-shunted camera in a magnetic field. (CNEN-LNF – 75-41(R)) 363547
Elastic scattering of πsup(+-)mesons on ^3He in the energy interval (68/208(MeV). 361897
Elastic scattering of πsup(+-)mesons on ^4He in the energy interval (68/208)MeV. 369385
Angeletti, Livio
A comparative study of transfer factors of water, iodine and strontium on rye-grass and clover. Development of a model of evaluation of the limits of foliar contamination by wet deposit. (CEA-R – 4860) 360299
Angeli, I.
Fine structure in the mass number dependence of rms charge radii. 354035
Angeli, R.
The instrumentation of the prestressed concrete vessel with hot liner at Seibersdorf Research Centre. (SGAE – 2526) 355159
Strain measurements at high temperatures in a concrete structure representing a cylindrical section of a PCPV with hot liner. (SGAE – 2527) 355156
Strain measurements of temperatures up to 300°C in a concrete structure. (SGAE – 2531) 365721
Angelini, A.M.
The contribution of nuclear energy to meeting Italy's electric power needs. 366116
The development of an integrated nuclear fuel-cycle industry to meet the needs of the Italian nuclear power programme. 368439
Angelini, C.
Observation of interference correlations between like pions in the reaction proton antiproton→2πsup(+) 2πsup(-)πdeg at low energy. 356382
A thermodynamical analysis of the charged-pion momentum spectra from the annihilation proton-antiproton→ πsup(+-)Ksub(s)sup(deg)Xsup(+-) at low energy. 353755
Angelino, G.
Construction and characteristics of transducers for measurements in in-pile test sections. 360787
Angella, Y.
Determination of about thirty elements in aluminium and its alloys by means of neutron activation analysis. 375224
Angelo, I.A.
In vitro incorporation of ^{14}C-amino acids by abomasum. 352082
Radiotracer studies on the synthesis of prorennin and rennin using ^{14}C-amino acids. 354885
Angelo, J.A. Jr.
Nuclear waste management by in-situ melting. 358510
Angelopoulo, M.
Nuclear power for the Greek grid. 368409
Angelov, B.M.
Covalency in cubic lanthanide sesquioxides. 350704
Angelov, N.
Investigation of rho^0 and ω mesons production in π^- p interactions at 40 GeV/c. 375060
Study on coherent interaction of πsup(-) mesons with carbon nuclei at 40 GeV/c. 349086
Study on the π^- ^{12}C interactions at 40 GeV/c with backward proton emission on the laboratory system. (JINR-R – 1-8566) 359330
Two-particle correlations of charged particles and γ quanta in the π^-n interactions at the momentum of 40 GeV/c. 375059
Angelov, N.S.
Multiplicity of secondary charged particles in π^-p and π^-n interactions at 40 GeV/c. 369343
Study on the partial inelasticity coefficients in π^-P, π^-n and $\pi^-$$^{12}C$-interactions at 40 GeV/c. (JINR-R – 1-8718) 364556
Angelowa, W.C.
Investigation of the kinetics of the interaction of Cu_2S and TeO_2. 354315
Anger, C.D.
Spectral albedo corrections to ISIS 2 satellite auroral photometer data. 357533
Anger, K.
General information on radiation protection in applying radiation devices. 1. 373557
Quantitative whole-body bone scintigraphy for the diagnosis of systemic skeletal diseases. (INIS-mf – 4010) 357673
Angerer, G.
Dynamics of large waves during molten cladding film relocation. 352187
Theoretical interpretation of SCARABEE single pin in-pile boiling experiments. 374284
Anggard, E.
Use of deuterium labeled catecholamine metabolites for mass fragmentographic analysis and turnover studies. 351455
Anggraita, Pramudita
The dispersion relation in the nucleon's form factors. (PPGM – L98-76) 364464
Angino, E.E.
High-level and long-lived radioactive waste disposal. 380030

Angluster, J.
Effect of U.V.-radiation on the cell membrane of Herpetomonas samuelpessoai: binding of concanavalin A. 378960
Angoso, M.
The tritium labelling of organic molecules by heterogeneous catalytic exchange. (JEN – 383) 367067
Anhalt, J.
Studies on graphite oxidation in case of air ingress into the HTR spherical-core primary circuit. 370967
Anholt, R.
Coulomb deflection effects on K-vacancy production by protons and alpha particles. 376961
Effect of spin-orbit coupling on 2p/sub 1/2/-2p/sub 3/2/ rotational transitions in heavy-ion collisions. 358698
K-vacancy production in heavy-ion collisions. II. Multiple- and single-collision excitation in the 2psigma molecular orbital. 350658
K-vacancy production in heavy-ion collisions. III. 1ssigma excitation. 350561
Multiple-collision 2p.sigma-vacancy production in heavy-ion collisions with solid targets. 353308
Probability of forming 1s sigma vacancies in 625 MeV Xe + Au, Pb, Bi, and Th collisions at small impact parameters. 371457
Quasimolecular bremsstrahlung in heavy-ion collisions. 350560
Yield of 2psigma molecular-orbital x rays in heavy-ion collisions. 358697
2p.sigma-vacancy sharing in heavy-ion collisions. 353309
Anholt, R.E.
K vacancy production in medium-Z heavy ion collisions. 363865
Anicin, B.
Longitudinal and transverse displacements of a bounded microwave beam at total internal reflection. 361257
Anikeev, E.F.
Production of carbide coatings on graphite. 369850
Anikeev, V.B.
Definition of CRT automata distortions. (IFVE-OMVT – 75-91) 350348
Anikin, L.T.
High temperature soldering of graphite. 375754
Anikin, S.A.
Counterterms in the formalism of normal products. 348572
Renormalized composite fields in quantum field theory. 348571
Anikina, M.Kh.
Irradiation of the SKM-200 device in 17 GeV/c α-particle beam and the results of prelimenary analysis of αLi- and αNe-interactions. (JINR – 1-9280) 351206
On cross-sections of interaction of relativistic alpha-particles with nuclei. (JINR-R – 1-10592) 375151
Starting system for a 2-meter streamer spark chamber in a 17 GeV/sec α-particle beam. (JINR – 13-9030) 358334
Anile, A.M.
The behaviour of collisionless radiation in some simple cosmological models. 369017
Polarization transport in anisotropic universes. 372111
Anisimkin, V.I.
Orientation dependence of acoustoelectric effect in the piezodielectric-semiconductor laminated structure. 350705
Anisimov, A.A.
Comparison of the effect of gamma-preirradiation of seeds on the fruitfulness of various kinds of hothouse cucumbers. 360247
Anisimov, A.N.
Spin wave relaxation processes in calcium-vanadium-iron garnet. 363943
Anisimov, B.V.
A mathematical model of monoenergetic gamma-ray spectra. 368482
Anisimov, F.G.
Electronic structure and spectra of rare earth monochalcogenides. (INIS-mf – 3955) 362149
Anisimov, K.N.
Sigma-methylcyclopentadienyl tricarbonyl manganese complexes of transition metals. 375526
Anisimov, N.A.
Investigation of yttrium aluminium garnet in the spectral range of 2-20.5 eV. (INIS-mf – 3993) 377278
Anisimov, N.I.
Increasing accuracy of definition of conversion peak half widths from spectrometric reference sources by means of a computer. 376249
Anisimov, V.I.
Anion-exchange affinage of plutonium and neptunium during extraction reprocessing of WWER spent fuel elements. 359839
Anisimov, Yu.S.
Tuning of a magnetostriction spark chamber system of the "Photon" device by means of a beta source. (JINR – 13-10321) 379856
Anisimova, E.A.
$NaF-CsF-NaNO_3-CsNO_3$ system. 375441
Anisimova, N.Z.
Longitudinal polarization measurements on direct muons produced in proton-nucleus collisions. 353925
Measurement of polarization of muons produced in nucleon-nucleon interactions at 70 GeV. (IFVE-PEF – 76-40) 349085
Production of π and k-mesons with high transverse momentum by protons on Cu and Be nuclei at 35, 50 and 70 GeV. 356477
Results on search for the intermediate W boson in the proton-nucleus collisions of the energy of 70 GeV. 375056
Anisimova, V.N.
Study of processes of thermal decomposition of rare earth concentrates with increased content of siderite in the presence of soda. (INIS-mf – 4187) 375439
Thermogravimetric study of rare earth concentrates. 359596
Anisin, A.K.
Effect of surface orientation on separated flow characteristics. (INIS-mf – 3957) 363098
Anistratov, A.T.
Double refraction and structural phase transitions in $ABCl_3$ type crystals. 356015
Anjos, J.C.
Double Regge model for non diffractive A_1 production. (CBPF – A0028/77) 350562
Ankenbrandt, C.
Suppression of transverse instabilities by fast feedback in the Fermilab Booster. 363136
Ankina, M.A.
Peculiarities of radiation-induced changes in chondrocytes of the articular cartilage. 370337
Annaev, R.G.
Co^{60} γ-irradiation effect on electric properties and surface structure of p-Ga Sb monofilms. 374657
Anne, R.
Secondary emission detector system for SATURNE II. 363137
Anne, Remy
Extracted-beam-detection system around synchrotron saturne. (CEA-R – 4857) 355166
Annegarn, H.J.
Analysis of x-ray spectra excited by x rays, electrons, and protons in monazite. 351322
Background aerosol composition in the Namib desert. (NPRU – 77/8) 354697
Low energy (d, p) reaction studies on Be, ^{10}B, ^{11}B and ^{12}C. 354135
Annenkov, Yu.M.
Nonisothermal relaxation of exthernal electric fields of ceramic dielectrics irradiated by electrons. 373330
Annenkova, V.M.
Thermal breakdown of polyacrolein prepared in presence of boron trifluoride etherate. 349196
Annenkova, V.Z.
Thermal breakdown of polyacrolein prepared in presence of boron trifluoride etherate. 349196
Annersten, H.
The Moessbauer spectrum of ^{57}Fe in titanium-bearing andradites. 363942
Anni, R.
Geometrical-optics phenomena in the elastic scattering of fictitious heavy neutral nuclei by absorbing potentials. 361953
Anno, K.
Reduction of power loss due to heavy impurities in Diva. (INIS-mf – 3963) 372098
Anokhina, L.K.
Secular variations of ^{57}Fe nuclear levels in minerals. 378822
Anorova, G.A.
Investigation into electronic structure of some C-substituted of dicarbaclosododecarboranes using IR and NMR spectroscopy. 364932
Anoshkin, N.F.
Oxidation of the powder of nickel-chromium based alloy. 369816
Powder metallurgy of heat resisting nickel alloys. 370094
Powder metallurgy of titanium and its alloys. 370095
Properties of glassy metals. 369981
Anosov, V.N.
Use of algorithms of random search for solution of the correction phase problem in isochronous cyclotrons. (JINR – 9-8422) 360708
Ansaldo, E.J.
Uses of synchrotron radiation. 357930
Ansari, A.
Neutron-proton interaction and nuclear deformations. 362011
Radiopharmaceuticals. XXVII. ^{18}F-labeled 2-deoxy-2-fluoro-D-glucose as a radiopharmaceutical for measuring regional myocardial glucose metabolism in vivo: tissue distribution and imaging studies in animals. 373600
Ansari, A.N.
Metal isotopes used as radioactive indicators of ocular melanoma. 360383
Ansari, Azher
Seepage studies through hydraulic structures and their foundations by inactive and radio tracers. 370270
Utility of isotopes in watershed study. 367409
Ansari, Azheri
Experience in the use of nuclear gauges for subsurface investigation at river valley projects in India. 367393
Anselmino, M.
Inconsistency between growing multiplicity of clusters and the data on sigmasub(el)/sigma sub(tot) in the uncorrelated-cluster models. 353756
Ansorge, R.E.
High multiplicity π-d interactions at 21 GeV/c. 356503
Tests of factorization from single- and double-pion production in 100-GeV/c p-antip and pp collisions. 351230
Ansourian, M.M.
Index theory and the axial current anomaly in two dimensions. 356383
Anstice, S.R.
Report to the New Zealand Government of the Fact Finding Group on Nuclear Power. 367739
Antal, J.
On the quantum theory of the emission of secondary ions from metal surfaces. (INIS-mf – 3996) 377153
Quasi-thermodynamical description of particle emission due to sputtering. 368730

Antal, M.J.
Charged particle energy deposition in an inertially confined thermonuclear plasma. 371721
Antanasijevic, R.
Alpha autoradiography by cellulose nitrate layer. 368322
Factors affecting the sensitivity of plastic detectors to ionizing α-particle registration. 368271
Fission of Bi, Pb and Au induced by 0.65, 1.74 and 4.12 GeV alpha particles. 366978
Antar, A.A.
Ionization and inelastic energy loss measurements of large angle 0.4 to 1.0 MeV Kr^+-Xe collisions. 377051
Antesberger, G.
Additional recovery of copper around 200 K after 0.5 MeV electron irradiation. 375960
Anthes, J.P.
Closure of pinholes under intense laser radiation. 358999
Direct observation of the dynamics of picosecond-pulse optical breakdown. 351879
Anthony, A.J.
Nuclear fuel assembly seismic amplitude limiter. (US patent document 4,059,483/A/) 379566
Anthony, M.C.
Studies on inorganic exchangers – ammonium phosphomolybdate (AMP) and ammonium phosphotungstate (APW). (BARC – 893) 375649
Anthony, P.J.
Specific heats of Li, Na, K, and Ag β-alumina below 1 K. 367225
Anthony, S.R.
Stress corrosion cracking of lean uranium alloys. 373103
Antic, E.
Physicochemical properties of $Ln_2O_3 - Al_2O_3$ and $Ln_2O_3 - Ga_2O_3$ glassy like compounds (Ln = La, Ce, Pr, Nd, Sm, Eu, Gd). 357353
Spectroscopic study of zirconia-yytria-neodymia (gadolinium oxide) solid solutions. 357347
Antic, M.
Use of photodiodes for neutron dosimetry. 379908
Antich, P.
Cross-sections and multiplicity distributions for π sup(-)p interactions at 11.2 GeV/c. 369278
Antill, J.E.
Influence of tellurium on caesium-enhanced corrosion of stainless steel. 373104
Antille, J.
A measurement of the polarization parameter in large angle proton-proton elastic scattering at 7.9 GeV/c. 356484
Antip'eva, R.V.
Substance for radiation protection. (Soviet patent document 416761/A/) 357034
Antipenko, A.P.
Lifetime dependence of excess carriers on the intensity of their excitation by accelerated electrons. (KFTI – 75-35) 353397
Measurement of the efficiency of semiconductor radiation damage affected by a pulsed electron beam. (KFTI – 75-35) 353395
Measurements of excess carrier lifetime in semiconductor radiation study. (KFTI – 75-35) 353396
Antipenko, B.M.
Photostimulated transfer of electronic excitation. (INIS-mf – 3955) 362150
Antipov, A.A.
Installation complexes for sampling and measuring tritium in environment. 375267
Antipov, I.Yu.
Multi-channel ignition system for spark gaps. 376672
Stabilization of time characteristics of the Arkad'ev-Marks. 358405
Antipov, N.I.
Neutron activation determination of noble metals for the analysis of technological and natural materials. 378112
Antipov, V.F.
On rolling of alloyed steels on the continuous light-section mill 250. 375767
Antipov, V.I.
Conditions for producing tensile adhesion of reinforcing fibers to matrix in plasma semi-products of composite materials. 365127
On development of heat resisting composite material matrices operating at a temperature of 1100 deg C. 357330
On the optimization of the regime of thermomechanical treatment of 5Kh20N4AG9 steel. 359913
Structure and properties of fiber composite material-heat resisting nickel base alloy reinforced with tungsten fibers. 359987
Antipov, V.S.
On a potential use of gamma-spectrometry method in mercury-ore regions. 357440
Antipov, V.V.
Biological interaction of rf electromagnetic waves and ionizing radiation. 349735
Comparative study of radioprotective properties of serotin derivatives repeatedly applied before gamma irradiation. 379014
Antipov, Yu.M.
J/psi production off Be, Cu and W by 43 GeV/c negative pions. 369344
Antishko, A.N.
Double sulfates of titanium with rare earths of cerium group. 351487
Antoku, Shigetoshi
Dosimetry of fast neutrons from T(d, n) reaction neutron generator. 374319
Effect of oxygen on cultured mammalian cells exposed to pulsed radiations. 360217
Antolvovicj, B.
Multiparticle break-up of ^{12}C induced by neutrons of 18,2 MeV. 377961
Antoncik, E.
Radiation damage studies on implanted Te, Sb, and Sn in semiconductors by means of Moessbauer spectroscopy. 370243
Antonelli, A.
Study of the contact hyperfine field of light elements for different states of charge. 364465
Antonelli, R.
Effect of alcohol on internally deposited Am-241 in the baboon: a pilot study. (COO – 3382-16) 379090
Antonenko, R.S.
Conductivity and impurity center parameters in compensated CdTe monocrystals. 369895
Gamma-irradiation effect on electric properties of n-type Si with inhomogeneous distribution of impurities. 349581
Specific features of photoconduction kinetics of CdTe γ-irradiated monocrystals. 348755
Antonik, L.M.
Thermal breakdown of polyacrolein prepared in presence of boron trifluoride etherate. 349196
Antonopoulos, P.T.
Management analysis of nuclear allocation for the generation of electricity. 362851
Antonov, A.
Bubble propagation in ion implanted garnet films. 370207
Antonov, A.V.
Collector-probe measurements of laser-produced plasma parameters at for distances. 348872
Some problems in ultracold neutron physics. (INIS-mf – 3895) 355493
Antonov, E.I.
Fast neutron generator. (Soviet patent document 402945/A/) 355078
Antonov, P.G.
Interaction of ruthenium (3) and osmium (4) chlorides with tin (2) in aqueous solutions of hydrochloric and hydrobromic acids. 375404
Antonov, S.S.
Specific features of the NEhM-300 electromagnetic pumps operation in the IFVE proton synchrotron vacuum system. 357931
Antonov, V.E.
Effect of hydrogen pressure up to 20 kbar on the Curie point of Fe-Ni alloys in invar region. 378708
Antonov, V.I.
Monad method and canonical formalism of general relativity. 376889
Antonov, V.N.
Evaluation of reservoir properties and oil and gas content in carbonate deposits from exploitation-geophysical data. 365288
On the application of radioactive tracers when investigating the wells being drilled or exploited. 375993
Antonov, V.S.
Mass-spectrometer with selective stepped photoionization of molecules by laser radiation. 376673
Antonova, S.V.
On the role of endogenous substances in creating enhanced radioresistance background. 378989
Antonovych, T.
Acute radiation nephritis. Light and electron microscopic observations. 352049
Antonucci, E.
Chromospheric rotation during 1972-73, years of declining activity. 353663
Antony-Spies, P.
Electroexcitation of the giant dipole resonance of ^{12}C in the continuum collective-correlation model. 354091
Antonyan, K.G.
Experimental facility for study on high-energy cosmic hadron interactions by means of transition radiation detectors. 363549
Utilization of XTR detector for hadron identification in polarization measurements in hadron-hadron interactions. (EFI – 130(75)) 361017
Antonyiv, Yi.P.
The influence of the impurities upon the optical and electrical properties of the cesium bromide single crystals depending on the obtaining conditions. 377154
Antoshchenkov, Yu.M.
Determination of metal workability under deformation. 369866
Antoshin, G.V.
Effect of preliminary gamma irradiation of oxides on catalysis of homomolecular exchange of oxygen reaction. 373068
Antosik, B.
Control of radiochemical purity of sodium oxalate-^{14}C preparations. 354394
Antreasyan, D.
Search for quarks produced with large transverse momentum in 400-GeV proton-nucleus collisions. 359331
Test of scaling in muon-pair production by hadrons. 366878
Antropov, A.E.
Analysis of the 6 MeV proton scattering on intermediate mass nuclei. 377855
Antsipov, G.V.
Consideration of the (n,γf) process when calculating widths of radiative capture and mean cross-sections of fissionable nuclei. (INDC(CCP) – 113/U) 356659
Evaluation of $\alpha(^{235}U)$ value in the energy range 0,1 keV-15 MeV. (INIS-mf – 3895) 354136

Evaluation of neutron cross-sections for Pu^{240} in the unresolved resonance region. (INIS-mf – 3895) 354037
Evaluation of neutron inelastic scattering cross-sections for ^{235}U. (INIS-mf – 3895) 354038
Evaluation of nuclear constants for ^{235}U in the neutron energy range from 10^{-4} to 15 MeV. (INIS-mf – 3895) 356804
Evaluation of nuclear constants for ^{240}Pu to construct a complete file. (INIS-mf – 3895) 354039
Evaluation of nuclear data for ^{235}U in the region of the unresolved levels. (INIS-mf – 3895) 354036
Evaluation of nuclear data on ^{241}Pu for the compilation of a complete file of constants. (INDC(CCP) – 113/U) 356805
Group constants for ^{235}U, ^{239}Pu, ^{240}Pu and ^{241}Pu; comparison with data from other libraries. (INDC(CCP) – 113/U) 356649

Antsupov, P.S.
Pulse modulator for an experimental electron gun. (JINR – 13-9277) 360709
Pulse transformer for an electron gun. 363606

Anttila, A.
Lifetimes of the unbound 4_1^-, 5_1^+ and 3_2^+ states in ^{14}N. 372773
Use of the $^{27}Al(p,\gamma)^{28}Si$, Esub(p) = 992 keV resonance as a gamma-ray intensity standard. 370685

Antuf'ev, Yu.P.
Study on excited states of ^{94}Nb in the ^{94}Zr $(p,n\gamma)^{94}Nb$ reaction. 377991

Anukhin, A.I.
Investigation into the structure of molybdenum vacuum condensate on supphire. 362370

Anyas-Weiss, N.
Gamma decay of the T=3/2 states in ^{25}Al. 356864

Anzai, Ikuro
Cesium-137 and potassium contents in low-teens in areas of different fall-out levels in Japan. 355053

Anzon, Z.V.
Coherent production of particles by 200 GeV/c pions on nuclear emulsion. 375061
A study of inelastic pion-nucleus interactions at 200 GeV/c in an emulsion. 356481

Ao, N.
Effects of impurities on alpha particle loss in a tokamak reactor. 377503

Aochi, T.
Energy problems and development of a multipurpose VHTR in Japan. 352578
Research on and economic evaluation of uranium enrichment by gaseous diffusion in Japan. 367841

Aochi, Tetsuo
First conceptual design of the experimental multi-purpose high-temperature gas-cooled reactor. (JAERI-M – 6845) 358241
Reference core design Mark-III of the experimental multi-purpose VHTR. (JAERI-M – 6895) 358242

Aoki, Atsushi
Neutron activation analysis of size-separated airborne dust particles, (2). 349153

Aoki, H.
New method of long-range energy demand forecast from worldwide standpoint. 352894

Aoki, Masataka
Radiation shielding device of a pressure vessel. 379544

Aoki, Minoru
Analysis of plutonium MUF. (PNCT – 831-76-01) 380139

Aoki, N.
Sodium compatibility and corrosion tests for component materials. (CONF-760503 – P2) 352716

Aoki, Retsu
Device for inspecting abnormalities of a reactor. 368056
Pressure vessel for a reactor. 360893

Aoki, S.
Research and development of spent-fuel shipping casks and the criteria for sea-going vessels carrying them. 367940
Safety aspects and operating experience of LWR plants in Japan. 370871
Thermal tests on a spent fuel shipping cask. 350001

Aoki, Shohei
Present status of food irradiation in Japan. 367664
Radiation preservation of Citrus Unshiu, 3. 349833

Aoki, T.
LMFBR coolant system components development in Japan. 379793
Radio-frequency plugging of mirror and point cusp ends. (INIS-mf – 3963) 372084

Aoki, Toshimasa
Irradiation experiment of FUGEN PuO_2-UO_2 fuel assembly in SGHWR, 1. (PNCT – 831-77-01) 379716

Aomura, Kazuo
Atomic absorption method for the determination of trace amount of cadmium, copper, lead and zinc with ion-pair extraction of dimercaptomaleonitrile. 367035

Aono, Osamu
Effects on nuclear fusion reaction on diffusion and thermal conduction in a magnetoplasma. (IPPJ – 269) 353624
Phenomenological equations for reacting fluids. (IPPJ – 290) 366495

Aota, Toshiichi
Fundamental studies on electron beam welding of heat-resistant superalloys for nuclear plants, (2). 359863
Some considerations on electron beam welding of heat-resistant superalloys for nuclear plants. 359885
Studies on the welding of heavy-section ASTM A542 Cl. 1 steel for large-sized pressure vessels. 373152

Aoyagi, M.
Refined ab initio relativistic electron binding energy and Auger transition-energy calculations. 368617
Refined ab initio relativistic electron binding-energy and Auger transition-energy calculations. 376989

Aoyagi, Tadao
Absorption, distribution, metabolism and excretion of ^{14}C-chlorphenesin carbamate in rats. 379194

Aoyama, I.
Evaluation of the radioactive wastes disposal into the deep ocean. 355646

Aoyanagi, Shogo
On the numerical expression of the degree of rock weathering. 367388

Apaev, B.A.
Ultrasonic effect on tempering kinetics in chromium and manganese steels. (INIS-mf – 3914) 349430

Apai, G.R. II
Photoemission studies of clean and adsorbate covered metal surfaces using synchrotron and uv radiation sources. (LBL – 6906) 378584

Apalikov, A.M.
Measurement of the ^3H spectrum aiming to improve the upper limit for the antineutrino rest mass. 353998
Measurements of β spectra of tritium undertaken for more precise definition of the upper limit for the antineutrino rest mass. 378071

Aparov, N.N.
On the crystal structure peculiarities of the bcc lattice transition metals and solid solutions on their base. 349431

Apel, W.D.
Measurement of $\pi^-p \rightarrow \pi^0n$ at large momentum transfer. 372503
Observation of a meson $X \rightarrow 2\gamma$, with mass 2.85 GeV/c^2, produced in the charge-exchange reaction $\pi^-p \rightarrow Xn$ at 40 Gev/c. 377780
Reaction $\pi^-p \rightarrow X$ deg n, X deg $\rightarrow 2\gamma$ at momenta 15 and 40 GeV/c. (IFVE-SEF – 74-118) 356483
Study of the reaction $K^-p \rightarrow$anti K^0n at momenta of 25 and 40 GeV/c. 356482

Apel', V.D.
$\pi^-p \rightarrow X^0n$, $X^0 \rightarrow 2\gamma$ reaction at 15 and 40 GeV/c momenta. 369345
Search for associated production of charmed particles in π^-p collisions at 40 GeV/c. (IFVE-PEF – 76-69) 361868

Apelblat, A.
Cryoscopy of uranyl nitrate solutions and activity coefficients. 357078

Apeldoorn, G.W. van
A search for the I peak at 2.60 GeV/c^2 in 12 GeV/c anti pp interactions in the CERN 2m HBC. 377781

Apgar, E.
High-density discharges in the Alcator tokamak. 368947

Apokin, V.D.
Elastic π^+p, K^+p and pp scattering in the Coulomb-nuclear interference region at the momenta of 42.5 and 52.2 GeV/c. 375062
Elastic scattering of π^--mesons and protons by nuclei in the difraction cone region within 30-50 GeV/c momenta range. 375152

Apostol, D.
Hydrodynamic instabilities in nematic crystals by ultrasounds. 356054

Apostol, I.
Charge collection measurements on TEA CO_2 laser produced plasma on metallic targets. 377331
On the calibration methods for neutron moisture gauges. (INIS-mf – 4024) 358406

Apostol, I.D.
Postcritical-density stationary plasma on highly absorbant (metallic) targets in vacuum under TEA-CO_2 laser radiation. 366496

Apostol, S.
The effect of some radioactivity sources on the plankton of the Danube river. 357568

Apostolakis, A.
Inclusive V^0 production in anti pp interactions at 12 GeV/c. 353939

Apostolakis, G.E.
Effect of a certain class of potential common mode failures on the reliability of redundant systems. (UCLA-ENG – 7528) 373783
Failure probability of the battery system following loss of ac power. 352208
A new methodology for the computer-aided construction of fault trees. 365814

Apostolescu, S.
Lifetime measurements in Li^7 and Be^7. 356749

App, F.N.
Global seismic effects of basin-forming impacts. (LA-UR – 77-368) 364344

Apparao, K.M.V.
Positions of galactic X-ray sources Cir X-1, TrA X-1 and 3U1626-67. 350986
Positions of galactic X-ray sources: $0^0 <$ lsup(II) $< 20^0$. 364311
Positions of galactic X-ray sources: $320^0 <$ lsup(II) $< 340^0$. 369019
Positions of three X-ray burst sources. 359105

Appel, H.
Beta decay and nuclear structure: Rb^{86}. 375153
Proposal for an experiment at SIN: dosimetry of the πE3 beam: determination of the beam components. (LA-tr – 77-70) 379479
Proposal for an experiment at the SIN: contribution on πE3-beam dosimetry. Measurement of particle spectra after pion absorption in biologically interesting nuclei. (LA-tr – 77-71) 379380

Appel, J.A.
Observation of a dimuon resonance at 9.5 GeV in 400-GeV proton-nucleus collisions. 351221
Observation of structure in the UPSILON region. 369378
Appelgren, A.
Radiation doses in accidents at sea-transportation of spent fuel. (KBS-TR – 57) 376836
Appelgren, L.
Vascular and extravascular spaces in a transplantable rat tumour after local X-ray irradiation. 376105
Appell, J.
Translational spectroscopy of neutralization-reionization double-collision processes of Ar^+ ions at keV energies. 353229
Appelman, E.H.
Preparation of a biologically stable and immunogenically competent astatinated protein. 373015
Appelman, K.H.
Damage cross section library (DAMSIG77). (ECN – 36) 375961
Appelo, H.C.
Zero-flux dc current transformer: a high precision bipolar wide-band measuring device. 363140
Appelquist, T.
Some recent work on zero mass field theories. 361243
Appelt, K.D.
Experimental data acquisition and processing of the dynamic behavior of the pressure vessel test internals under the HDR-blowdown-experiments. (KFK – 2435) 358207
Appen, A.A.
Heat-resistant protective and special coatings. 349561
Apperson, C.E.
Fission product release into the primary coolant. (LA-UR – 77-1993) 373784
Apperson, C.E. Jr.
Fission product release calculations from a reactor containment building. 362971
LOFC fission product release and circulating activity calculations for gas-cooled reactors. (LA-UR – 77-1569) 352665
Appert, K.
Dynamics of coupled solitons. 364162
On the stability of C-solitons. 366497
Applebaum, J.
Radiopharmacology of the phosphorus burn: radioautography, biochemistry, pathophysiology and neutralization. (INIS-mf – 4052) 376126
Appleby, P.G.
Alternative ^{210}Pb dating: results from the New Guinea Highlands and Lough Erne. 370262
Appleby, W.K.
In-reactor stress relaxation in bending of 20% cold-worked 316 stainless steel. 360100
Irradiation creep of stainless steel in bending. 360109
Stress-free swelling in Type 316 stainless steel at high fluences. 360980
Appledorn, C.R.
Massive hydraulic fracturing gas stimulation project. (CONF-770836 – 3) 360668
Appledorn, R.
Automatic analysis of GCS for radiopharmaceutical quality control. (INIS-mf – 4010) 369569
Appleton, B.R.
Application of nuclear reactions for quantitative hydrogen analysis in a variety of different materials problems. (CONF-770642 – 3) 349159
Applications of channeling to surface studies. (INIS-mf – 3996) 363944
Use of nuclear reactions and SIMS for quantitative depth profiling of hydrogen in amorphous silicon. 359547
Well-channeled ions with greater-than-random energy loss rates. (INIS-mf – 3995) 377155
Appoloni, C.R.
Inelastic scattering of ^3He and α particles from ^{124}Sn and ^{122} ^{124}Te. 356868
Apraksin, I.A.
Method for preparation of nitrate and chloride solutions of zirconium. (Soviet patent document 460245/A/) 375405
Aprilesi, G.
Absolute estimation of radon daughter concentrations in air by α-spectrometry. 374290
Apsey, R.Q.
Filamentary niobium-tin hexapole magnet. (RL – 77-085/B) 352414
Apshev, S.Zh.
Energy and charge composition of nuclear active component of extensive air shower with $N = 10^4$-10^5. 362599
Apsimon, H.M.
Atmospheric dispersal of radioactive pollutants over long distances and the calculation of collective dose. 370288
Apsite, D.K.
Determination of trace amounts of halide-ions as amylmercury halides by means of radioactive reagent. (INIS-mf – 4188) 375382
Apt, K.E.
Applicability of the Weibull distribution function to atmospheric radioactivity data; and Reply. 349680
Investigations of the Natural Fission Reactor Program. Progress report, October 1976 – September 1977. (LA – 7032-PR) 378825
Uranium mill monitoring for natural fission reactors. (LA – 7062-MS) 378824
Apte, M.G.
Flow measurement using radiotracers – turbine efficiency measurements. 367887
Aptekar', I.L.
Calorimetric study of an electronic transition in Smsub(1-x)Gdsub(x)S alloys. 374658
Effect of a pulsed magnetic field on terbium high pressure phase. 370061
Aptikaeva, G.F.
Relationship between chemical protection and reparation of radiation – induced damages chromosomes. 378993
Apts, C.W.
Power plant heat and chemical effluent effects on selected marine and estuarine communities. (BNWL – 2100(Pt.2)) 362597
Aqrawal, Y.K.
Studies on N-arylhydroxamic acid: Part V – N-m-tolyl-m-nitrobenzohydroxamic acid : spectrophotometric reagent for vanadium(V). 367019
Ara, H.
On legal natures of security contract for nuclear power plants. 374473
Arabian, G.
Nuclear fuel cycle in Iran: the need for technology transfer. 352912
Arafune, J.
Radiative transitions of new particles and the puzzle of cc-bar pseudoscalar mesons. 359222
The sign of the phi-ω mixing and the origin of violation of the Okubo-Zweig-Iizuka rule. 353757
Aragao, F.R.F.
π-D neutral reactions. 351227
Geometrical and kinematical reconstruction of a single track in a bubble chamber. 351207
Aragone, C.
Gravity in the ray gauge. 355718
Aragones, J.M.
A comparison of the eigenvalue equations in kappa, α, lambda and γ in reactor theory. Application to fast and thermal systems in unreflected and reflected configurations. (JEN – 392) 374144
Core-state models for fuel management of equilibrium and transition cycles in pressurized water reactors. 363455
Aragones, M.A.
Analytical model for the measurement of UO_2 thermal conductivity. 373288
Use of a general Bessel solution in the comparative measurement of thermal conductivity of uranium dioxide. 354580
Arai, Eiichi
Recoil-distance lifetime measurements in ^{22}Ne, ^{22}Na and ^{27}Al. 354246
Arai, H.
Decline of the self-focusing of a pulsed high intensity electron beam owing to gas breakdown. 366340
Arai, Ichiro
Differential cross sections for single pion photoproduction from protons in the energy range between 500 MeV and 930 MeV. 372696
Arai, K.
Structural analysis and evaluation for the design of pressure vessel. 350127
Arai, Kazuo
X-ray diagnosis in the field of obstetrics and gynecology and reduction of exposure dose. 367838
Arai, M.
Analysis of the central blockage wake in an LMFBR-subassembly. 374236
Arai, O.
Isotopic ratios of potassium in magnetic spherules from deep-sea sediments. 360166
Arai, Shigeki
Flow of liquid metals with a transversely applied magnetic field, (8). 373986
Arai, T.
Functional-derivative study of the Hubbard model. I. Perturbation method and first-order approximation. 367285
Reduction of power loss due to heavy impurities in Diva. (INIS-mf – 3963) 372098
Arai, Taketoshi
Analysis of fuel performance in core Mark-III of experimental multi-purpose very high temperature reactor. (JAERI-M – 6945) 358243
Study on core flow distribution of the reference core design Mark-III of experimental multi-purpose VHTR. (JAERI-M – 6894) 358263
Arai, Tatsuo
Clinical experiences with fast neutrons by NIRS medical cyclotron. 379073
Arai, Tetsuji
Diffuse scattering due to out-of-step configurations of oxygen atoms in a TiOsub(0.42) crystal. 358857
Arajs, S.
Wiedemann-Franz ratio of magnetic materials. 373261
Arakawa, E.T.
Emission and absorption x-ray edges of Li. (CONF-770935 – 1) 362382
Physics of solids and macromolecules. (ORNL – 5171) 367226
Arakawa, Yoshihiro
JFT-2 tokamak neutral injector and preliminary results of additional heating experiment. (JAERI-M – 7043) 366634
Arakcheev, N.T.
Studying the effect of content redistribution of uranium, thorium, potassium in rocks on the summary intensity of gamma radiation. 349611

Arakelov, A.G.
Study of structure and morphology of the hardening phase in the Nb-Zr-C alloy under long-term action of high temperature and stresses in vacuum. 378655
Arakeri, V.H.
An experimental study of the molten glass/water thermal interaction. Topical report. (PB – 267579) 357727
Araki, A.
Beam lifetime in the initial operation of KEK main ring. 363134
Prototype multipole magnets for the KEK main ring. 363135
Araki, H.
Flow measurement by ultrasonic method. (CONF-760503 – P2) 352714
Ultrasonic flowmeter. (German (F.R.) patent document 2549636/A/) 376674
Araki, Hiroshi
Radiotracer experiments on lignin reactions, 2. 379424
Radiotracer experiments on lignin reactions, 3. 373978
Araki, K.
ESR studies of the radiation-induced multiple graft polymerization. 373074
Araki, Minoru
Convergence property of the generalized separable expansion of the two-body transition matrix and the UPA model. 359432
Araki, Tohru
A new device to reduce x-ray exposure of the examiner during the procedure of retrograde urethrography. 373885
Arakita, Y.
KEK booster to main ring beam transfer system. 363142
KEK fast cycling booster. 363141
Aranake, R.N.
Effects of couple stresses in MHD channel flow. 356059
Arano, Yasushi
Evaluation of sup(99m)Tc-HIDA complex as a cholescintigraphic agent. 379199
Araos, M.S.
Radioprotection of DNA molecule by oxido-reduction's coenzymes. 376054
Arapova, Eh.Ya.
Investigation of excitation spectra of luminophors with rare earth ions in anti-stokes region. (INIS-mf – 3955) 362151
Araratyan, L.A.
Influence of kinetin on the formation of chromosome aberrations in the irradiation of Crepis capillaris L. seeds and its radioprotective effect. 349722
Radioprotective action of gibberellin given to seeds of Crepis capillaris L. prior to irradiation. 362648
Aras, N.K.
Trace elements in the atmosphere determined by nuclear activation analysis and their interpretation. 375320
Yields and isomer ratio in A = 134 chain for the spontaneous fission on ^{252}Cf. 375172
Arata, Yoshiaki
Diffusion welding of molybdenum to hastelloy alloy X. 359869
Fundamental studies on electron beam welding of heat-resistant superalloys for nuclear plants, (2). 359863
Aratani, M.
Prompt process and post effect along the alpha particle tracks in mica. (INIS-mf – 3996) 363945
Aratani, Michi
Ion sources by using radiations. 376962
Aratono, Y.
Release-behaviour of tritium and its chemical forms in heating irradiated UO_2(Li)-pellet. 369731
Araujo, E.E.R. de
Profile updating in a selective dissemination of information (SDI) system. 352998
Araujo, J.A. de
Evaluation of the irradiation products in the MTR fuel elements of the IEA-R1 reactor. (IEA – 466) 352796
Introduction to the study of the treatment of spent nuclear fuel. (IEA-TI – 41) 351690
Study of plutonium sorption in aluminia column in the system HNO_3-HF. (INIS-mf – 4108) 365088
Araujo, R. de
Trained manpower resources in Brazil. Estimates and preparations. 371312
Arav, I.I.
Experimental change of reactivity of mesenteric microvessels. 376091
Arave, A.E.
Ultrasonic thermometer isolation standoffs. (US patent document 4,020,692/A/) 374153
Aravinda Babu, K.
Effect of low dose x-radiation on nucleic acids and protein content of guineapig, rat and mouse tissues. 373514
Aravindakshan, M.
Multigeneration feeding studies with an irradiated animal feed. 352150
Studies on the possible mutagenicity of irradiated diets in rodents. 352143
Arbeiter, G.
Value and limitations of retrosternal lymph scintigraphy for the staging of breast cancer. (INIS-mf – 4010) 357712
Arbusov, V.M.
Diagnostic of authigene calcite in production wells by radioactivity logging. 354636
Arbuzov, B.A.
On some effective mechanism for charmed particle production in neutrino and antineutrino beam. (IFVE-STF – 75-11) 366819
On weak interaction of coloured hadrons. 375015
Arbuzov, M.P.
Study of crystal structure and coercive force of Cosub(4)CuCesub(0.9) alloy. 369896
Study on ordering processes in vanadium monocarbide base alloys. 378761
X-ray investigation of lower vanadium carbide in alloys of V-C system after different heat treatments. 354581
Arbuzov, V.I.
Absolute quantum yield of luminescence of rare earth ions in glass. (INIS-mf – 3955) 362152
Kinetic selection of excitation spectra of neodymium glasses. 378200
Multiplicity of neodymium optical centres in quartz glasses. 378201
Arcella, F.G.
Technology development for a 3000 HP homopolar generator with liquid metal current collectors. (CONF-760503 – P2) 352392
Arcelli, G.
Italian progress on light-water reactor fuel design, manufacturing, testing and management. 365873
Archana
Comments on the angle Glauber approximation. 359371
Archer, C.R.
Correlation between computerized transaxial tomography and radionuclide cisternography in dementia. 352098
Archer, J.A.
Insulin radioreceptor assay for human erythrocytes. 362771
Archer, L.G.
An approach to total quality assurance. 376430
Archer, N.J.
The preparation and properties of pyrolytic boron nitride. 375918
Archer, V.E.
Respiratory disease mortality among uranium miners as related to height, radiation, smoking, and latent period. (HRP – 0006691) 379321
Archie, C.N.
^{3}He melting pressure temperature scale. 359198
Arcipiani, B.
Some notes on the calculation of the magnetic field produced by a toroidal thick coil. 368913
Ardashnikova, E.I.
Study of ternary system of KF-BeF_2-DyF_3. 378202
Ardavan, H.
Magnetic support against gravitational collapse: A static axisymmetric interior solution of the Einstein-Maxwell equations. 372112
Ardelean, I.
Some contributions to the investigation of V_2O_5 – MoO_3 system. 356555
Thermogravimetric study of V_2O_5 – TO_3 solid solutions (T = Mo or W). 356060
Arden, J.W.
Isotopic composition of uranium in chondritic meteorites. 356175
Ardill, R.W.B.
Pion-nucleon charge-exchange polarization by Gribov Reggeon calculus and the derivative rule. 359223
Ardon, K.H.
Studies of the physical models used in transient two-phase flow analysis. 376501
Ardonceau, J.
Iron damage by 20K electron irradiation. 354609
Ardouin, D.
Shape transition between N = 40 and 42 in the Ga and Ge isotopes. 378073
Shape transition between N=40 and 42 in the Ga and Ge isotopes. (IPNO-PhN – 77-23) 369514
Ardran, G.M.
Gonad dose in cineurethrocystography. 379335
Arebian, G.
Nuclear fuel cycle in Iran: acquisition of the technology. 352913
Arechalde, J.V.
An absolute bound on the $\pi\pi$ P-wave scattering length. 364466
Aref'ev, A.S.
ERG-350/3 electrostatic rotor generator. (ITEF – 84(1975)) 374372
Aref'ev, A.V.
Solid deuterium target. 357932
Aref'ev, K.P.
Determination of momentum density of electrons in a matter by positron annihilation method. 361415
Direct determination of positronium in a matter according to compton profile and angular correlation of annihilation radiation. 377312
Positron annihilation in an electron-irradiated silicon crystal. 374659
Positron annihilation in silicon and gallium arsenide monocrystals with surface treatment. 348756
Positron capture by point defects in ionic crystals. 374660
Aref'ev, V.A.
2500 channel system with proportional and drift chambers for study on hadron scattering. (JINR – 13-8967) 358328
Aref'eva, Z.S.
Computer analysis of microstructures for estimating the effect of β-radiation on the skin. 362693
Arefiev, V.A.
Observation of the diffractive production of the $\Lambda K\pi$ system. (KFKI – 77-48) 356676
Arena, N.
Angular correlation in the ^{7}Li+^{3}He→2α+d reaction at E_3He=4.7 MeV. 356733
Competition between ^{5}Li and ^{8}Be formation in the ^{6}Li(^{3}He, αα)p

reaction at Esub(^{3}He)=2.5 MeV. 364736
Arendt, G.
Radioimmunological measurement of the digoxin level in order to determine the therapeutically effective digoxin dose. 367718
Arendt, J.S.
In-situ response time testing of platinum resistance thermometers. (EPRI-NP – 459) 358223
Arendt, J.W.
National Uranium Resource Evaluation Program. Hydrogeochemical and Stream Sediment Reconnaissance Program in Central United States. Second and Third quarters FY 1977, January 1, 1977 – June 30, 1977. (K/UR – 3(Pt.4)) 362562
A new approach for geochemical surveys of large areas for uranium resource potential. 365251
Arenhoevel, H.
Baryon resonances in nuclei. 349102
Photonuclear sum rules and interaction effects in the deuteron. 369401
Areskoug, M.
Mass yields in the binary fission of Ag, La and Tb. 362035
Mass yields in the binary fission of Ag, La, and Tb. (LUNFD6-NFFR – 3013) 375150
Areti, H.
An estimate of the 'slow bodies' emitted in p-nucleus interactions at 200 and 300 GeV. 356687
Argan, P.E.
Photoproduction of negative pions on D and ^{4}He in the Δ(1236) region. (LYCEN – 7702(pt.1)) 369460
Argesanu, M.
Some parameters on an electron accelerator powered by a laser beam. 363336
Argo, M.F.
Astrophysical opacity library. (LA – 6760-M) 359099
Argo, W.B.
Fiber-bed separator and method to separate aerosols from gases without entrainment. (German (F.R.) patent document 2657939/A/) 367937
Argollo, R.M.
Simultaneous determination of gallium and germanium in igneous rocks by neutron activation. 364840
Arguello, C.A.
Non-collinear second harmonic generation. An interpretation of experimental results. (UEC-S – 134/04/75) 364079
Photon induced resonant Raman scattering in CdS. (UEC-S – 147/17/75) 364592
Arguello, M.D.
Ion-exchange separation and determination of calcium and magnesium. 364841
Argyres, E.N.
Charge-transfer distributions in a neutral-cluster model. 351137
Argyris, J.H.
The conversion of SMART I. 376423
Finite element calculation of prestressed-concrete reactor vessels. 376422
Arickx, F.
Theoretical study of light nuclei. (INIS-mf – 4267) 377856
Ariemma, A.
Italian progress on light-water reactor fuel design, manufacturing, testing and management. 365873
Plutonium utilization in fast-breeder and light-water reactors in Italy. 368216
Arifov, I.A.
Change of anomalous high photovoltage properties of Si and Ge films in bombardment by low energy ions. 348757
Arifov, P.U.
Ground and excited states of positronium negative ion and some positron ions. (INIS-mf – 3915) 348638
Production of directional fluxes of slow positrons using an elliptical electrostatic reflector. (INIS-mf – 3915) 350349
Semiconductor catalyst surface state investigation by positron annihilation method. 368731
Arifov, U.A.
Integral heating of tungsten foil by millisecond laser pulses. 359892
Peculiarities of negatively charged particles emission induced by laser radiation effect on tungsten. 349432
Production of directional fluxes of slow positrons using an elliptical electrostatic reflector. (INIS-mf – 3915) 350349
Arijs, E.
Mass spectrometric measurement of the positive ion composition in the stratosphere. 376039
Arik, E.
Inclusive LAMBDA production in sigma-proton collisions at 23 GeV/c. 372354
Arikawa, Tatsuo
Electron flux measurement with the ESP on K-10-12 rocket. 349681
Arima, A.
Mixing of the 0g orbit in ^{20}Ne and the analysis of a one-step forbidden transition. 354121
Transitional nuclei in the I.B.A.-model. (INIS-mf – 4267) 377934
Arima, Akito
Feeding of ^{8}Be via β- and γ-transitions. 366944
Ariman, T.
Effect of high external thermal loading on LMFBR subassembly integrity. (CONF-770807 – 38) 365606
Mechanical response of FFTF reference and P1 cladding tubes under transient heating. (CONF-770807 – 43) 366001
Thermal and stress analyses of meltdown cups for LMFBR safety experiments using SLSF in-reactor loops. (CONF-770807 – 40) 365521
Arimizu, Noboru
Thyroid studies with iodine-123. 379198
Arinkin, F.M.
On the possibility of local regulation of enegy release profiles and magnitudes in loop channels. 376453
Arino, H.
Method to recover technetium 99m from an aqueous solution of an inorganic salt of molybdenum 99. (German (F.R.) patent document 2030102/C/) 355066
Aripov, Eh.A.
Application of natural zeolites of Uzbekistan for purification of low-active sewage. 359762
Aripov, G.
Determination of some elements using ^{252}Cf source. 375963
Arista, N.
Analysis of experimental velocity distributions of convoy electrons. 377245
Aristarkchov, N.N.
An adsorption method for BR-5 primary cover gas decontamination from radioactive xenon. (IWGFR – 7) 361006
Aristizabal, S.
Relationship of time – dose factors to tumor control and complications in the treatment of Cushing's disease by irradiation. 367519
Relationship of time – dose fractionation factors to complications in the treatment of pituitary tumors by irradiation. 367518
Aristov, Yu.V.
Amplification of acoustic noises in CdS crystals along C_6 axis. 374771
Arita, M.
Fatigue crack growth kinetics in steels, titanium and nickel alloys. 375860
Preferential sputtering on binary alloys by SIMS. 368732
Arita, Seiji
Adsorption of complex anion of mercury(II), cadmium or zinc ion on activated carbon. 378444
Arkad'eva, E.N.
Electric properties of chlorine-doped cadmium telluride semi-insulating crystals. 374661
Arkadyeva, E.N.
Influence of lattice defects on the electrical behaviour of chlorine-doped cadmium telluride crystals. 370126
Arkatov, Yu.M.
Data processing and physical results on He^4 photodisintegration. (KFTI – 76-36) 368483
Arkell, D.R.
The void-swelling behaviour of solution-treated FV548 stainless steel irradiated with 22 MeV C^{2+} and 46.5 MeV Ni^{6+} ions and the influence of heat-treatment. 370244
Arkesteijn, N.L.
The diagnostic value of pancreas scintigrams prepared with the aid of synthetic selenomethionine combined with duodenal scintigraphy. (INIS-mf – 4010) 367716
Arkhangel'skaya, A.A.
Ordering of nickel-aluminium martensite. 369989
Arkhangel'skaya, G.V.
Contribution to estimation and the standardization of the maximum permissible in-take of iodine radioactive isotopes by human organism. (INIS-mf – 3913) 376211
Arkhangel'skij, N.V.
Experimental water-water reactor. (Soviet patent document 438353/A/) 365998
Arkharov, V.I.
Rational thermal conditions of sheet 08kp steel treatment. 357207
Arkhipov, A.A.
Behaviour of inclusive cross sections in the range of large transverse momenta and interaction singularity. 372355
Cesium determination in powder samples by X-ray fluorescence method. 367020
Equation for density operator and scaling properties of inclusive cross section. 361764
Arkhipov, P.P.
Effect of surfactants on wet zircon vibrogrinding. 375931
Arkhipov, S.M.
α-$LiIO_3$-HIO_3-H_2O system at 40 deg C. 359691
Theory of line Stark effect and epr spectra of tetragonal Ce^{3+} centers in CaF_2 in electric field. (INIS-mf – 3955) 363946
2CsCl-$CaCl_2$-$CsNO_3$-$Ca(NO_3)_2H_2O$ system at 25 deg C. 351467
Arkhipov, V.P.
Action of ^{60}Co gamma radiation on polymeric cationites. 370128
Arkhipov, V.V.
Hydraulic resistance and heat transfer in systems for superconducting magnets cooling. (INIS-mf – 3954) 361523
Hydraulic resistences in helium forced two-phase flow in channels. 379427
Arkhipova, G.G.
Inversion of transuranium element reactivity in extraction equilibria. 375635
Arkhipova, N.K.
Volume self-diffusion in tungsten. 369897
Arkhipovich, V.A.
Measuring set up for study of crystalline materials by means of low-energy proton beams. 379982
Arko, A.J.
de Haas – van Alphen effect and Fermi surface of Nb_3Sb. 359893
Magnetoresistance of UIr_3 and UGe_3 to 220 kG. 369951
Arkovenko, G.I.
Heat treatment of large forged products of the VT3-1 titanium

alloy. 369898
Arkovska, A.
Complex compounds of rare earths (3) with β-aminopropylphosphonic acid. 351587
Arkusha, T.I.
Commercial production of tungsten-rhenium (VR27-VP) and molybdenum-rhenium (MR47-VP) alloy semiproduct. 349420
Arkuszewski, W.
Pressureless disk cannot be the source for the kerr metric. 353029
Arlinghaus, F.J.
Spin-polarized energy-band structure of YCo_5, $SmCo_5$, and $GdCo_5$. 359956
Arman, A.
Determination of cement content in soil-cement mixtures and concrete. Final report, 1 June 1971 – 1 June 1975. (PB – 270669) 378121
Arman, I.P.
Ploidy and liquid-holding recovery of yeasts sensitive to radiation and nitrous acid. 349716
Armand, G.
The Debye-Waller factor in the elastic backscattering of an helium beam from the (111), (100) and (110) faces of copper. 368733
Diffraction intensities in helium scattering; topographic curves. 361446
Armanet, F.
Study of the oxidation behaviour of the TA6Zr5D (685) alloy at high temperature. 378297
Armbruster, P.
An absolute measurement of the probability for 1s sigma and 2p sigma excitation of the lead K shell. 377073
Characteristic and quasimolecular X-rays from collision systems with $Z_1+Z_2=133$, 134 under single and muitiple collision conditions. 353292
Design and working principles of the Lohengrin mass separator for fission products at the high flux reactor in Grenoble. 358320
X-ray emission in heavy ion-atom collisions: critical impact parameter for target K ionization. 358707, 376970
X-ray emission in heavy ion-atom collisions: K-ionization cross sections. 353188, 376969
Armendares, S.
Human Genetics. 362698, 362700, 362702, 362703
Armentrout, P.B.
Rare gas molecular ions: formation of XeF^+ by ion – molecule reactions in Xe and NF_3 and evidence for radiative deactivation of Xe^+ (^{2}Psub(1/2). 371458
Armer, R.A.
Bevalac Minibeam Facility. 363337, 374083
Armijo, J.S.
Nuclear fuel element. (US patent document 4,045,288/A/) 374172
Armour, D.G.
Cascade and quasi thermal processes in excited atom sputtering. 374689
Armour, I.A.
Improved light collection from fast atomic beams. 350361
Armstrong, A.G.A.M.
The Rutherford M17 Septum Magnet three dimensional calculations and comparisons with measurements. (RL – 77-086/B) 357933
Armstrong, C.M.
Enhanced backscatter with a structured laser pulse. 359007, 361616
Armstrong, D.A.
Ion neutralisation rates in gaseous ammonia. 375712
Pulse radiolysis of lactate dehydrogenase. 349692
Radical inactivation of a biological sulphydryl molecule. 357161
Armstrong, D.D.
A 14 MeV intense neutron source facility. 355167
Armstrong, D.E.
Determination of inositol phosphate ester in lake sediments. 351459
Armstrong, L. Jr.
Nonexponential decay profile of the 2 $^3S_1$ state of He-like ions. 350642
Armstrong, P.E.
Thermal Shock Experiment (TSEX): a "proof-of-principle" evaluation of the use of electron beam heating to simulate the thermal mechanical environment anticipated for the first wall of the Reference Theta-Pinch Reactor (RTPR). (LA – 6861-MS) 356080
Armstrong, R.E.
Overview of advanced process control in welding within ERDA. (UCRL – 79170) 357208
Armstrong, T.
Evidence for a narrow width boson of mass 2.95 GeV. 372519
Inclusive anti K^{*0} (890) production in π^-p interactions at 16 GeV/c. 356507
Observation of the reactions $\pi^-p \rightarrow$anti pd at 10 and 16 GeV/c. 372520
Production of phi and f' in 10 GeV/c K^-p interactions. 353959
Armstrong, T.P.
Acceleration and modulation of electrons and ions by propagating interplanetary shocks. 372113
The Low-Energy Charged Particle (LECP) experiment on the Voyager Spacecraft. 374927
Armstrong, T.R.
In-situ detection of radiation blistering and dynamic deuterium depth profiling during D^+ bombardment of solids. 373350
Arnal, T.
Checks based on neutron emission at fuel fabrication and reprocessing plants. 371282
Arnaud, G.
Advanced mixed oxide fuel element for fast reactors. 379753
Arnaudov, D.D.
Techniques for organization and control of the thesaurus of the JINR retrieval system. (JINR – 10-8784) 376852
Arndt, E.
The development of the HTR direct cycle. 379687
Layout and arrangement of a PNP prototype plant. 370957
Arndt, J.
Biological response of solid Ehrlich carcinoma of AB mice to therapeutic X-irradiation under different fractionation regimes. 1. 365389, 365390, 365391
Comparative measurement to determine the radionuclide concentration in waste water from nuclear power plants. (WaBoLu – 38-77) 376200
Arndt, P.
New Van de Graaff terminal for VICKSI. 363143
Arndt, R.A.
Isobar formalism and one-pion-exchange partial-wave cross sections in $\pi N \rightarrow \pi\pi N$. 351135
Arne, K.
Mining and milling developments. 362563
Arnecke, G.
Analysis of LMFBR overpower accidents, including fission gas effects in the predisassembly and disassembly phase. (CONF-761001 – P3) 365523
Arnesen, A.
Gyromagnetic ratios of first 2^+ states in ^{126} ^{128} ^{130} ^{132}Xe. 356688
Lifetime measurements in La II with the beam-laser method. 366314
Arnett, R.C.
Hanford groundwater transport estimates for hypothetical radioactive waste incidents. (ARH-LD – 162) 378888
Multicomponent mass transport model: theory and numerical implementation (discrete-parcel-random-walk version). (BNWL – 2127) 365250
Arnett, W.D.
Advanced evolution of massive stars. VII. Silicon burning. 372114
Arnikar, H.J.
γ-radiolysis of some redox systems. 349341
Radiation induced reactivity of solids. 378796
Self diffusion studies of $^{131}I^-$ and $^{82}Br^-$ ion in alkali halide solutions at various concentrations. 378203
Arnison, G.T.J.
Measurement of the polarization parameter for antiproton-proton annihilation into charged pion and kaon pairs between 1.0 and 2.2 GeV/c. 353949
A system of low mass wire film spark chambers. (RL – 77-116/A) 361018
Arnold, D.M.
Behind casing water flow detection using continuous oxygen activation. (US patent document 4,032,780/A/) 365674
Behind casing water flow detection using pulsed neutron oxygen activation. (US patent document 4,035,640/A/) 365669
Behind casing water volume flow rate measurement using concentric gamma ray detectors. (US patent document 4,032,779/A/) 365670
Behind casing water volume flow rate measurement using gamma ray spectral degradation. (US patent document 4,032,778/A/) 365675
Resolution of through tubing fluid flow and behind casing fluid flow in multiple completion wells. (US patent document 4,047,028/A/) 367881
Well fluid production profiling using an oxygen activation flow meter. (US patent document 4,032,781/A/) 365668
Arnold, G.
Joint test rig for testing and calibrating of different methods of two-phase mass flow measurement. (KFK – 2435) 358442
Arnold, G.B.
Phase boundary of a dirty superconductor, superconducting proximity effect, Faraday rotation of the small polaron, and non-adiabatic two-sited hopping of the small polaron. 372319
Arnold, J.E.
Plasma thyroglobulin in detecting thyroid carcinoma after childhood head and neck irradiation. 360275
Arnold, J.R.
Computer-generated maps of lunar composition from gamma ray data. (LA-UR – 77-1487) 361660
Arnold, L.G.
Phenomenological optical model for p-^{4}He elastic scattering. 372647
Arnold, M.J
Plasma thyroglobulin in detecting thyroid carcinoma after childhood head and neck irradiation. 360275
Arnold, M.J.
Salivary gland neoplasms as a late consequence of head and neck irradiation. 352054
Arnold, P.
A basis for applying hypoxic hypoxia for optimizing radiotherapy. Information based on animal tests. 379032
Arnold, R.
Measurement of the branching ratios of multi-pion final states in anti pp annihilation at 1.6 GeV/c. 366884
Arnold, R.C.
Functional-integral formulations for plasma instabilities and turbulence; analogies with phase-transition phenomena. (ANL-HEP-PR – 77-34) 356081
High-energy hadron dynamics based on a stochastic-field multieikonal theory. 372356

Arnold, R.G.
Measurement of the electron – deuteron elastic scattering cross section in the range 0.8 less than or equal to q^2 less than or equal to 6 GeV^2. (SLAC-PUB – 1596) 361869
Arnold, W.
The polarized proton capture reaction $^7Li(p, \gamma)^8Be$ in the energy range from 380 to 960 keV. 354273
Arnold, W.D.
Recovering uranium from wet-process phosphoric acid. 362334
Arnold, W.H. Jr.
Safety considerations of PWRs. 370526
Arnoldus, R.
Sorption of cobalt and zinc from fresh water and seawater. (ECN – 23) 351954
Arnot, R.N.
^{111}In labelled autologous leukocytes in man. (INIS-mf – 4010) 367632
Distribution and circulation of ^{111}In labelled lymphocytes in man. (INIS-mf – 4010) 367616
Indium-111-labeled autologous leukocytes in man. 373694
Kinetics of indium-111 labelled lymphocytes in normal subjects and patients with Hodgkin's disease. 349786
Arnow, M.
Noise discrimination method for pulse counting applications. 361019
Arnurius, D.E.
Numerical calculation of impurity charge state distributions. (ORNL/TM – 6050) 371799
Arnush, D.
Multipole fusion reactors using advanced fuels. (EPRI-ER – 536-SR) 371722
Arny, T.
Model for the filamentary structure in the pleiades reflection nebulosity. 364271
Aron, W.
Preliminary risk analysis of the transportation of nuclear waste. 352319
Aronov, A.G.
Light combination scattering spectrum and phase transition in VO_2. 355936
Nonequilibrium distributions in superconductors. 372320
Arons, J.
Electromagnetic parametric instabilities in an ultra-relativistic plasma. 350799
Potential drops above pulsar polar caps: acceleration of nonneutral beams from the stellar surface. 364320
Arons, V.I.
Hydrogen permeability into niobium during cathodic polarization in hydrochloric acid. 365132
Aronson, Eh.V.
Magnetic testing of the mechanical properties of heavy-plate rolled stock of 20K and 09G2 steels. 375755
Aronsson, P.O.
Decay properties of some neutron-rich cerium isotopes. 359459
Arora-Dinakar, Renu
Reqional differences in the metabolism of testosterone in vitro in the epididymis and ductus deferens of the adult rhesus monkey Macaca mulatta. 367622
Arora-Dinkar, Renu
Metabolism in vitro ^3H-testosterone in testis, epididymis and sex accessories of the rhesus monkey. 373639
Arora, B.R.
Solar cycle modulation of the constituents of geomagnetic field at Alibag. 354715
Arora, H.C.
Solvent extraction of uranium(VI) with 4-acyl, 2,4-dihydro 5-methyl 2-phenyl 3H-pyrazol 3-ones. 359682
Arora, P.S.
Determination of potential parameters for the systems Ne-Ar and Ar-Kr from the temperature dependence of their binary diffusion coefficients. 376963
Isotope effect in diffusion of perdeuteriobenzene and benzene in a series of normal hydrocarbons at 25°C. 357065
Arora, R.P.
Radiation techniques for monitoring the deep drainage in irrigated wheat fields. 370271
Arora, S.P.
Influence of added tannic acid on growth and in vitro ^{32}P-phosphate utilization by rumen microbes. 352125
Arp, V.D.
A correlation for heat transfer to superphysical helium in turbulent flow in small channels. 349985
Arrathoon, R.
Process for the production of high purity deuterium. (US patent document 4,054,496/A/) 372947
Arrigoni, O.
Carrier-mediated transport of metabolites in purified bean mitochondria. 354925
Arrison, N.L.
Blowdown of a recirculating loop with heat addition. 376502
Arrott, A.S.
The TRIUMF thermal neutron facility as planned for operation by 1978. (TRI – 77-1) 360710
Arrowsmith, H.W.
Microstructural science. Volume 5. 369919, 369977, 370010, 370694, 370695, 370727
Arroyo, G.
Radiation-induced liver damage. 379027
Arsala, N.K.
The penetration of a local magnetic field through large sheets of type-I superconductors. 372321
Arsen'ev, P.A.
Investigation of electron-hole processes in $YAlO_3$. (INIS-mf – 3955) 362523
Arsenault, R.J.
Comparison of the effect of neutron irradiation on high purity vanadium and vanadium oxygen alloys. 357402
Arsene, A.
The effect of γ-radiations on a TBP/diluent/HNO_3 systems. (ITN – 114) 357173
Arseneau, J.C.
Risk of new cancers in patients with Hodgkins's disease. 373561
Synergistic tumorigenic effect of procarbazine and ionizing radiation in (BALB/c x DBA/2)F_1 mice. 357574
Arsenin, V.V.
Stabilization of plasma flute oscillations in an open trap by means of a feedback magnetic system. 348873
Two stages of disruptive instability in a tokamak and feedback stabilization of it. (INIS-mf – 3963) 371723
Arsent'ev, P.P.
Changes in toughness properties of liquid metal in the process of acid steel large ingot formation. 369852
Viscosity characteristics of alloyed iron melts. 369899
Arskaya, E.P.
Application of rhenium alloys in metallic ceramic tubes of SHF range. 351837
Investigating the interaction of oxide cathode core of nickel-rhenium lanthanum or nickel-tungsten-lanthanum alloys with its surface coating. 357323
Kinetic properties of NR10-VP alloy. 349514
Phase diagram of nickel-rhenium-molybdenum ternary alloy system. 349527
Arslanova, N.V.
Application of extraction chromatography to separation of indium from antimony and some other elements. 364839
Artamonov, E.V.
On mechanism of homomolecular isotopic exchange reaction of O_2 on the surface of lanthanum oxide irradiated in vacuum. 373045
Artamonov, N.P.
Diffusion and structure of defects in Cdsub(x)Hgsub(1-X)Te crystals. 365136
Artamonov, O.M.
Electron-optical system of a slow electron spectrometer. 376603
Artamonov, S.A.
Calculation of resonance parameters of neutron elastic scattering on a sup(208)Pb nucleus. 359372
Artamonova, M.V.
Effect of composition and thermal treatment conditions on photochromic glass properties. 354595
Artamonova, S.A.
Stability of titanium alloys under conditions of intensive ultrasonic cavitation. (INIS-mf – 3914) 349371
Artem'ev, O.I.
Activation analysis of Dzhezkazgan rock mineral samples. 359544
Artem'eva, Z.L.
Optical methods of beam diagnostics while resonant extraction of particles from a synchrotron. 350350
Artemenkov, L.I.
Basic physical and technological problems of design of the TB-O experimental thermonuclear installation for longitudinal confinement of a pure plasma. (INIS-mf – 3954) 361489
The effect of the helical winding HF current on the To-1 tokamak discharge. 374803
Artemov, V.I.
Some peculiarities of limited growth texture formation in vapor deposited layers of molybdenum. 349465
Artemova, T.N.
Volatility of some elements in direct current arc. 364882
Artes, J.
Symmetry assignment of a new point defect in Ca0 crystals. 373331
Arthur, A.A.
SCR series switch and impulse crowbar at the Lawrence Berkeley Laboratory for CTR neutral beam source development. (LBL – 6382) 377405
Arthur, C.W.
Interplanetary magnetic field conditions associated with synchronous orbit observations of Pc 3 magnetic pulsations. 370289
Arthur, D.F.
Dynamic response analysis of the PSE torus. (UCID – 17594) 368092
Arthur, E.
Radiative capture of fast neutrons by ^{89}Y and ^{140}Ce. 377970
Arthur, E.D.
Cross sections in the energy range from 10 to 40 MeV calculated with the GNASH code. (LA-UR – 77-1031) 359373
Double-differential beryllium neutron cross sections at incident neutron energies of 5.9, 10.1, and 14.2 MeV. 372739
GNASH: a preequilibrium, statistical nuclear-model code for calculation of cross sections and emission spectra. (LA – 6947) 377949
Ratios of ^{11}C activations induced by pions on various targets. (RLO/1388 – 362) 372697
Arthur, M.D.
Vlasov theory of plasma oscillations: Linear approximation. 350800
Arthur, R.G.
Configuration analysis of the 6.0 MeV 4^+ state in ^{24}Mg. 369450
An experimental and theoretical study of the low-lying states of ^{15}N. 366915

Arthur, V.
Effects of gamma radiation on logenvity and reproduction of 'Araecerus fasciculatus' (De Geer) (Col. Anthribidae). (CENA-BC – 042) 365480
Influence of temperature and gamma radiation on the longevity of 'Rhysopertha dominica' (F.). 352149
Labelling of adults of 'Diatraea Saccharalis' (F.) through feeding of worms with radioisotope (^{59}Fe) labelled diet. 352148
Sterilization and lethal gamma radiation doses on adults and eggs of Sitotroga Cerealella (OLIVIER). (CENA-BC – 028) 354798
Arthur, W.B.
Uranium production in thorium/denatured uranium fueled PWRs. (K/OP – 241) 379649
Artico, G.
Parametric excitation in lower hybrid heating of a two-ion species plasma. (INIS-mf – 3963) 371760
Artis, J.
Possible role of antibody specific for a practolol metabolite in the pathogenesis of oculomucocutaneous syndrome. 379087
Artnik, J.
Post-accident heat removal for gas cooled fast reactors. (CONF-761001 – P4) 362895
The role of hydrogen development in hypothetical core meltdown. 370564
Artru, X.
Monopoles, duality, triality. 356384
Artsybashev, V.A.
On the effective atomic number of rocks and ores. 360134
Artus, S.C.
Designs for in-reactor sodium boiling detection and generation. (CONF-761001 – P2) 363045
Artyugina, I.M.
Thermonuclear power plant based on a pulse reactor with a cumulating liner and its competitiveness evaluation. (INIS-mf – 3954) 361555
Artyukh, V.S.
On the physical conditions in NGC 2359. 374932
Artz, D.
Flowsheet and technical data of the KNK-II reactor. 376555
The physical tests in the KNK-II. 376409
Artzner, I.
New aspects of the magnetoelastic effect appearing under the conditions of the Procopiu effect. 356050
Aruev, N.N.
Technique for cyclotron frequency measurement. (Soviet patent document 445901/A/) 379989
Aruga, Takeo
Reference design of the experimental multi-purpose high-temperature gas cooled reactor. (JAERI-M – 6974) 358265
Arunasalam, V.
Electron cyclotron emission from the PLT tokamak plasma. (INIS-mf – 3963) 371724
Electron cyclotron emission from the PLT tokamak. (PPPL – 1362) 356116
Electron cyclotron emission from the Princeton Large Tokamak. 350871
Energy loss rates of energetic ions injected into the FM-1 spherator. 350822
Turbulent temperature fluctuations in the PLT tokamak plasma. (PPPL – 1363) 356082
Turbulent temperature fluctuations in the Princeton Large Tokamak plasma. 366498
Arungu-Olende, S.
Public acceptance of nuclear power. Some ethical issues. 370520
Aruquipa, E.G.
On the possible eigenoscillations of neutral sheets. (INPE-RI – 265) 364159
Arushanov, Eh.K.
X-ray spectral study of electronic structure of Cd_3P_2. 357052
Arutyunayn, T.G.
Using accelerated electrons for modification of polyethylene film surfaces by the radiation grafting technique. (INIS-mf – 4194) 376288
Arutyunov, P.S.
Natural concentrations of Pb^{210} and Po^{210} in plants of steppe phytocoenoses. 357630
Arutyunova, L.V.
Construction of standard and correlation matrices in neutron activation analysis of plants. 378167
Arutyunyan, G.G.
The gravitational fields of the superdense plane desk. 377587
Arutyunyan, V.M.
Condition for population inversion in Hahn diodes. 374662
Interaction between charged particles and intense monochromatic radiation in an inhomogeneous medium. 368515
Arvieu, R.
Signs of the particle-hole matrix elements and existence of giant resonances. (ISN – 77-20) 359444
Arvieux, J.
The comparison of π^+ and π^- elastic scattering from ^{16}O, ^{40}Ca and ^{208}Pb. (ISN – 77-36) 359449
The elastic and inelastic π^+ and π^- scattering from complex nuclei. (ISN – 77-31) 369459
Systematic study of the energy dependence of the elastic π^+-^{16}O scattering in the region of the (3,3) resonance. (ISN – 77-37) 362032
Arya, R.C.
Rajasthan atomic power reactor unit-II containment building integrity and leakage test execution experience. 379447
Arya, S.P
Fuel element loading system. (US patent document 4,068,692/A/) 379667
Asada, Morio
Tokamak apparatus for turbulent heating of plasma. 358956
Asada, Shuichi
Clinical use of ^{201}Tl myocardial scintigraphy. 349872
Asadchikov, V.E.
Structure of quartz glass according to the data of neutron diffraction and narrow-angle x-ray scattering. Fast neutron irradiation effects on short-range order. 378814
Asadullin, Ya.Ya.
Polarization echo in crystals. (INIS-mf – 3955) 361416
Asahi, Kazumi
Method of detecting failed fuel in a reactor. 350151
Asai, J.
Electroproduction of low energy π^+ from ^{3}He. 361765
Asai, Kiyoshi
Manual on JSSL (JAERI scientific subroutine library). (JAERI-M – 7102) 374524
Asakura, Midori
Clinical and experimental investigation on small intestinal injury following radiation therapy for carcinoma of uterine cervix. 349758
Asakura, Shukuji
The study of thermochemical hydrogen preparation, (2). 354329
Asakura, Toshiro
Determination of deuterium in metal by vacuum fusion-mass spectrometric method. (PNCT – 831-76-01) 378182
Asakura, Yoshiro
Water analysis of ATR fuel rod by gravimetry. (PNCT – 831-76-01) 379707
Asami, A.
New method for precise background determination in neutron-transmission measurements with a linac. 371075
Asami, Sumio
Biosynthetic mechanism of glycolate in Chromatium, (3). 349835
Biosynthetic mechanism of glycolate in Chromatium, 4. 349834
Asami, Tetsuo
Japanese list of requests for neutron nuclear data for fission reactors. (JAERI-M – 7081) 366985
Asami, Tomohiro
Image analysis of nuclear fuel, (2). (PNCT – 831-77-01) 379571
Image analysis of nuclear fuel, (3). (PNCT – 831-77-01) 379567
Asanidze, B.Z.
The effect of low radiation doses on the residual magnetization vector of rocks. 349154
Asano, Naruyoshi
Thermonuclear reaction wave in high-density plasma. 371966
Asanuma, Kiyoshi
Piping penetration. 368008
Asaoka, Seiji
Control circuits for the 1.3 GeV electron synchrotron, (1). (INS-TH – 112) 360732
Asaoka, T.
Mock-up experiment and analysis for the primary shield of the N.S. MUTSU. 368262
Asaoka, Takumi
Biased selection of particle flight directions as a variance reduction technique in Monte Carlo calculations. 372552
Asari, Masatoshi
Excitation of nitrogen molecules by the impact of 80-160 keV protons. 377042
Asaro, F.
Samanid ceramics and neutron activation analysis. (LBL – 5961) 369518
Asaro, R.J.
Combined macroscopic and microscopic approach to the fracture of metals. Technical progress report, July 1976 – June 1977. (COO – 3084-53) 362412
Asatiani, P.Y.
A technical test facility for the production of the isotope ^{18}O. (KFK-tr – 542) 376233
Asatiani, T.L.
Aragats arrangement for the investigation of characteristics of high-energy cosmic ray muon flux. (EFI – 129(75)) 350283
Arrangement for study of π^0-photoproduction on ^{4}He nuclei. 379852
Performances of Aragats spectrometer magnet. (EFI – 128(75)) 350284
Asay, J.R.
High pressure multiple shock response of aluminum. (SAND – 77-0027C) 351774
Asboe-Hansen, P.
Acceleration and stacking of deuterons in the CERN PS and ISR. 363144
Asbridge, J.R.
Noncompressive density enhancements in the solar wind. 369087
Unusual aspect of solar wind speed variations during solar cycle 20. 359088
Asbroeck, Ph. van
PWR pressure vessel surveillance programme in Belgium. (IAEA – 202) 376503
Ascanio, I.
Method for production of sup(99m)Tc-sulphur colloid. (Czechoslovak patent document 157082/B/) 369732
Ascarelli, G.
Experimental detection of collective modes in a polar liquid: application to the solvated electron in H_2O and NH_3. 359771

Aschenbach, J.
Further developments with glass detectors for heavy ions and fission fragments. 368287
Aschman, D.G.
A measurement of the polarization parameter in large angle proton-proton elastic scattering at 7.9 GeV/c. 356484
Search for narrow resonant states in e^+e^- collisions near 6 GeV. 351208
Ascuitto, R.J.
Molecular-orbital interpretation of the $\Delta l = 1h$ transfer anomaly in heavy-ion reactions. 364717
Quadrupole transfer strength studied through heavy-ion induced two-neutron transfer between the shape transitional nuclei ^{190} ^{192}Os. 359489
Aseev, A.L.
High-temperature radiation effects in germanium under high-voltage electron microscope observation. 370129
Aseev, N.A.
Temperature effects on measured current values for self-powered detectors. (NIIAR-P – 243) 350165
Asejkin, V.S.
Energy of electron-photon and hadron components near extensive air shower axis on the altitude of 3330 m above sea-level. 362600
Asfour, F.
An experimental investigation of the reactions ^{9}Be(d,α_0)^{7}Li and ^{9}Be(d,α_1)^{7}Li in the deuteron energy range 0.9-2.5 Mev. 356718
Asghar, M.
Design and working principles of the Lohengrin mass separator for fission products at the high flux reactor in Grenoble. 358320
Experiments with fission products at the Lohengrin mass separator. 354261
Fission fragment energy correlation measurements for the thermal neutron sub-barrier fission of ^{237}Np and above-the-barrier fission of ^{235}U. 372698
Thermal neutron induced charged particle reactions on ^{58} ^{59} ^{61}Ni. 351323
Ash, J.E.
Coupling of the structural and coolant response in a single core subassembly model. 352188
Response of single subassembly hexcan wrappers to pressure loads. (CONF-761001 – P3) 365515
Ash, W.W.
Description and performance of MEA, the magnetic detector at ADONE. 379480
Ashaks, Ya.V.
Determination of trace amounts of halide-ions as amylmercury halides by means of radioactive reagent. (INIS-mf – 4188) 375382
Ashbee, K.H.G.
Secondary defects in non-metallic solids. 351880
Ashburn, W.L.
Review of radionuclide techniques for the evaluation of regional myocardial perfusion and ventricular function in patients with ischaemic heart disease. 354915
Ashby, D.E.T.F.
Low frequency electrostatic waves in the Culham Levitron. (INIS-mf – 3963) 371725
Ashcroft, D.J.
Nuclear reactor. (German (F.R.) patent document 1614939/B/) 352628
Ashe, J.B.
Detector construction for a scintillation camera. (US patent document 4,029,964/A/) 361020
Asher, R.C.
The injection of sodium into liquid stainless steel. (PNC-N – 251-76-12(vol.1)) 350126
Asherova, R.M.
Projected basis for many-phonon systems. 375099
Ashery, D.
Experimental study of the reaction ^{7}Li(π^+, π^0)^{7}Be in the (3, 3) resonance region. 366961
Ashgar, M.
Experimental beta-decay energies of short-lived light fission products. 375207
Ashihara, S.
Parametric frequency conversion in long Josephson junctions. 360629
Ashikhmin, V.P.
Investigation of the annealing effects on the properties of welded joints of uranium with low-alloyed zirconium-1 and titanium alloys. 359992
Ashin, M.I.
Determination of electron temperature and density by an electrostatic probe in a plasma stream at atmospheric pressure. 348874
Ashkenazi, J.
Positron annihilation in a single VO_2 crystal. 348768
Rigid band calculation of the elastic constants in Nb-Zr alloys. 378585
Ashley, A.J.
Radiation dose to the eyes of patients during petrous bone tomography – a comparative study. 352332
Ashley, J.C.
Electron slowing-down flux spectrum in Al_2O_3. 364636
Energy losses of channeled ions – the Born theory revisited. (INIS-mf – 3996) 363947
Ashley, W.H.
Determination of nitrogen in boron carbide with the Leco UO-14 Nitrogen Determinator. (LA – 6978) 372856
Ashmontas, S.P.
Charge carrier recombination in high-resistant n-InSb at 77 K. 374772
Ashok Kumar
Measurements of time differential perturbated angular gamma-gamma correlations in the ^{207}Bi decay. 377962
Role amplification of the coulomb interaction in nuclear reactions. 377857
Ashraf, J.
Detection principles. (ORNL – 5171) 367755
Ashraf, M.
Mediterranean fruit flies: sterility and sexual competitiveness in the laboratory after treatment with gamma irradiation in air, carbon dioxide, helium, nitrogen, or partial vacuum. 373538
Ashri, A.
Evaluation of some indicators of seedling injury following gamma and ems treatment in peanuts, Arachis hypogaea L. 365377
Ashtekar, A.
Gravitational interaction and spontaneous breaking of symmetries. 376890
Ashton, I.K.
An assay for plasma somatomedin: [^{3}H]thymidine incorporation by isolated rabbit chondrocytes. 349803
Ashurbekov, S.A.
Changes in magneto-optical properties of activated glass under the action of γ-radiation of Co^{60}. 370216
Ashurov, M.Kh.
Spectroscopy of rare earth ions in non-equivalent knots of crystal lattice of aluminium and gallium garnets. (INIS-mf – 3955) 362153
Ashworth, C.P.
Utility view of fusion. (EPRI-ER – 536-SR) 371726
Ashworth, D.G.
Angular velocity in rotating systems. 348582
Ashworth, G.J.
Training by performance to maintain certified qualifications. 358108
Ashworth, P.
Studies on graphite oxidation in case of air ingress into the HTR spherical-core primary circuit. 370967
Ashworth, V.
The effect of ion implantation on the corrosion behaviour of pure iron. 359818
The use of ion implantation to produce novel surface resistant alloys. 377156
Asilov, T.
Calculations of electron-nuclear cascade characteristics at E_0 approximately 10^{13} eV. 361665
Asinovskij, Eh.I.
Limiting possibilities of a pulse MHD converter re – lative to electric power generation on a resistive load. 372315
Askarjan, G.A.
Super-compression of fissionable material by lasers. 371994
Askarov, A.N.
Determination of some elements using ^{252}Cf source. 375963
Askarova, L.Kh.
Kinetics and mechanism of initial stages of carbon-thermal reduction of ZrO_2. 364972
Askienazy, S.
Tomography by compton scattering scintigraphy. (INIS-mf – 4010) 358335
Askin, F.R.
Report to the New Zealand Government of the Fact Finding Group on Nuclear Power. 367739
Aslam, J.
Temperature factors of UO_2 and UOsub(2.11) by powder elastic neutron diffraction. 362511
Aslam, M.
Manpower training for nuclear power programs in developing countries. 352895
Aslanov, Kh.A.
Synthesis of certain new lupinine esters on the base of dialkythiophosphoric and dialkyldithiophosphoric acids and their alkylated iodides. 378192
Aslanov, L.A.
On effect of R radicals in RCOOH monocarboxylic acids on stereochemical functions of carboxylic groups in rare earth carboxylates. 349197
Aslanova, M.S.
New kinds of glass fibers. 349562
Asmolov, G.N.
Investigation into oxide bismuth-molybdenum-containing catalysts by X-ray phase analysis and diffuse reflection spectroscopy. 378324
Asmus, K.D.
Free radical oxidation of organic sulphur compounds. 357131
Asmussen, K.E.
Low-enrichment and denatured (thorium) fuels for the HTGR: a status report. (GA-A – 14606) 363468
Asnin, V.M.
Negative differential resistance in a dense electron-hole plasma in germanium. 355937
Asnis, E.A.
Arc welding of vanadium alloys in helium with oxygen additions. 375780
Asokamani, R.
Effect of correlation on the bandstructures of Th and Os. 355997
Asomoza, R.
Extraordinary Hall effect in rare-earth – cobalt amorphous films. 351728

Resistivity $DyNi_3$ and $HoNi_3$ amorphous alloys. 365133
Aspden, H.
Calculation of the proton mass in a lattice model for the aether. 368516
Electrodynamic anomalies in arc discharge phenomena. 350801
Aspeling, J.C.
The recovery between 30K and 400K of copper and copper alloyed with gold after thermal-neutron irradiation. (PER – 18) 362524
Asquith, J.G.
Design of the FFTF fuel storage facility (FSF). 352792
Sodium removal technology: the alcohol process. (CONF-760503 – P2) 352715
Asratyan, A.E.
Further search for muonic pairs in the neutrino and antineutrino beams at the IHEP 70 GeV accelerator. 353927
Observation of muon pairs in neutrino interactions at Serpukhov 70 GeV accelerator. 361870
Asselin, S.V.
General application of system event tree analysis to light water reactors. (SAND – 77-1372C) 362852
Assis Bastos, M.R. de
The dynamic relaxation method in the structural analysis of concrete pressure vessels. (IEA – 471) 365801
Assmann, H.
The matrix swelling rate of UO_2. 362525
Assousa, G.E.
Observational evidence for supernova-induced star formation: Canis Major R1. 372187
Astaf'ev, A.A.
Effect of chemical constitution on radiation embrittlement of perlitic steels. (INIS-mf – 4190) 375939
Statistical analysis of a combined effect of nickel copper and phosphorus on irradiation embrittlement of pearlite steels. 360057
Astaf'ev, M.N.
Voltammetry of products form chlorination of dioxides of uranium, plutonium, americium and cerium with tetrachloromethane in the NaCl-KCl melt. (INIS-mf – 4189) 375622
Astaf'ev, V.A.
Cascade development in different media. 361661
Astaf'eva, I.N.
Luminescent analysis with use of inorganic crystallophosphors. 375356
Astakhov, A.Ya.
Results of studies on the BPS-75 projector measuring regime. (JINR-R – 10-10642) 376604
Astakhova, I.S.
Roentgenographic investigation of $EuCl_3x2EuCl_2$. 362154
X-ray study of $EuCl_3x4EuCl_2$. 375406
Astapenko, G.I.
Dynamical feedback control of the current plasma column position and stability in toroidal systems. (INIS-mf – 3963) 371810
Astbury, A.
Antiproton-proton total elastic cross sections in the T and U regions (0.69 – 2.43 GeV/c). (RL – 77-098/A) 349058, 361880
Measurement of the polarization parameter for antiproton-proton annihilation into charged pion and kaon pairs between 1.0 and 2.2 GeV/c. 353949
Astheimer, L.
Method for recovering uranium from sea water. (Juel – 1415) 354694
Astley, E.R.
Centrifuge enrichment program. 365647
Astolfi, M.
Average unavailability of parallel systems composed of elements subject to failure with exponential laws and to periodic tests. (EUR – 5639) 360653
Programs AWE-1, AWE-2 and BRUNA for the calculation of systems reliability and availability. (EUR – 5638) 361217
Aston, D.
Status of the Urenco/Centec centrifuge project and advantages of the process. 367842
Aston, M.A.J.
The integrated pulse velocity method applied to the calibration of flowmeters in high-pressure natural gas systems. 352362
Astrakhan, B.V.
Device for control of heavy charged particle range before the irradiation object. (Soviet patent document 420298/A/) 352398
Astrakhantsev, I.E.
Automation facility a time-of-flight mass spectrometer for the study on dynamics of fast chemical reactions. 363618
Astrakharchik, E.G.
Electric properties of thin cesium and rubidium films. 374663
Astredinov, M.I.
Some pecularities of changes in resistance to plastic deformation of structural materials under the effect of ultrasonic oscillations. (INIS-mf – 3914) 349450
Variation of plastic deformation resistance of metals under high-frequency vibrations. 369970
Astrelin, V.T.
"Akvagen" pulse electron accelerator. (INIS-mf – 3954) 363146
Astrov, E.I.
Decarburization of the chromium-containing melt. 375774
Astvatsaturov, R.G.
Investigation of a 90-channel Pb glass Cherenkov hodoscope. 358336
Search for new resonances with the 'Photon' facility. (JINR – 1-9508) 376601
A study of the spectrometric characteristics of the 49B type photomultipliers. 376605
Asundi, A.K.
Consideration in the design and fabrication of nuclear heat exchangers. 374232
Asvestas, D.A.
Some thermodynamic properties of the solutions of $ZrCl_4$ and $HfCl_4$ in CsCl melts. 356990
Aszkanow, A.
Automatic radioisotopic balance of band-conveyer type RILIN-2/800. (INIS-mf – 4015) 373966
Radioisotopic device for automatic feeding of cement components into milling machine – "Doza – 2/3". (INIS-mf – 4015) 373967
Ata, M.S.
A new version of the R-matrix theory for heavy ion transfer reactions. 356635
Atabekov, A.Yu.
Preventive action of ATP on biosynthesis of uridylic nucleotides of uracil in rat tissues after prolonged γ-irradiation. 370338
Atabekova, G.A.
Preventive action of ATP on biosynthesis of uridylic nucleotides of uracil in rat tissues after prolonged γ-irradiation. 370338
Atai, A.A.
Emission lines in spectrum of the Delphini 1967 Nova. 374875
Atalay, B.I.
Perturbation theory for projected states in the pairing force model. III. 377858
Atallah, K.
Determination of the liquid scintillation counting efficiency of ^{3}H and/or ^{14}C labelled samples independently of the degree of colour and/or chemical quenching. 355494
Atanasiu, C.
The determination by the computer of the optimum shape of the microtron electromagnet with 17 orbits. 356353
Atanasiu, M.
TD column performances calculus. Application to the separation of ^{36}Ar. 378088
Atanasov, A.
Diffusion of πsup(+-) mesons on D, ^{3}He, ^{4}He with a streamer self-shunted camera in a magnetic field. (CNEN-LNF – 75-41(R)) 363547
Atanelishvili, M.I.
Some properties of hadron-nucleus interactions in the energy range from 100 to 1000 GeV. 349087
Study on angular characteristics and multiplicity of secondary particles in cosmic hadron interactions with nuclei at mean energy 400 GeV. 361871
Atasoy, O.E.
Nitriding of Fe – V alloys. 357350
Atayan, M.R.
Determination of $\pi^{-12}C$ total cross section at 4.9GeV/c. (EFI – 211(3)-77) 375057
Atcheson, D.B.
Cladding failure in TREAT overpower experiments: a mechanistic interpretation and its implications for LMFBR safety analysis. (CONF-761001 – P4) 362853
Aten, J.A.
The influence of the rate of bond stretching on the differential cross sections for ion-pair formation in K + XY collisions. 355853
Athalye, V.
Evaluation of the dose to man in relation to the behavior of tritium from irrigation water in agricultural crops. 370423
Athalye, V.V.
Polonium-210 in cigarette smoke. 367549
Athavale, R.N.
Tracer techniques in groundwater hydrology. 375964
Athay, R.G.
Solar EUV emission line profiles of Si II and Si III and their center to limb variations. 372227
Atherley, J.F.
Girdler-sulfide process physical properties. (AECL – 5702) 359666
Atherton, D.L.
High-efficiency flux pump power supply using inductive current transfer. 360602
Performance analysis of transformer – rectifier flux pumps. 360601
Atherton, D.R.
^{224}Ra toxicity from a pilot study in beagles. (COO – 119-252) 373615
^{239}Pu standards for quantitative neutron-induced autoradiography. (COO – 119-252) 373626
Deposition of ^{239}Pu, ^{226}Ra, ^{233}U and ^{241}Am in the gonads of beagles and rats. (COO – 119-252) 373629
Early distribution of ^{238}Pu in the liver of a Cynomolgus monkey. (COO – 119-252) 373590
Retention and distribution of ^{239}Pu in beagles injected at 3 months of age. (COO – 119-252) 373628
Retention and distribution of $^{241}AmIII$ in neonatal beagles. 370414
Synthesis and testing of partially lipophilic polyaminocarboxylic acids. (COO – 119-252) 373591
Zn-DTPA administered by slow-release implant. (COO – 119-252) 373592
Atiyah, M.F.
Instantons and algebraic geometry. 355719
Atkin, R.J.
On the fountain effect in liquid helium II. 364439
Atkins, F.
Positron emission computed tomography using large area detectors. (CONF-770685 – 2) 363548
Atkins, H.
Radiopharmaceuticals. XXVII. ^{18}F-labeled 2-deoxy-2-fluoro-D-glucose as a radiopharmaceutical for measuring regional myocardial

glucose metabolism in vivo: tissue distribution and imaging studies in animals. 373600
Atkins, H.L.
Effects of preloading of stannous compounds on the distribution of sup(99m)Tc-pertechnetate. 352157
Kinetics of inhaled krypton in man. 370397
Metal isotopes used as radioactive indicators of ocular melanoma. 360383
Atkins, P.W.
Chemically induced magnetic polarization; theory, technique and applications. 351634
Atkinson, D.
Multiple solutions of the Roy equations: N/D method on a finite interval. 372357
Regularization of the Roy equations with a smooth cutoff. 366820
Atkinson, D.P.
Liquid nitrogen cooled liners for 2XIIB. (UCRL – 79755) 371729
Vacuum system for the Tandem Mirror Experiment. (UCRL – 79750) 368914
Atkinson, J.D.
The effect of frequency and temperature on the environmentally assisted fatigue crack gowth below Ksub(ISCC) in steels. 354460
Atkinson, M.
Measurement of the polarization parameter for antiproton-proton annihilation into charged pion and kaon pairs between 1.0 and 2.2 GeV/c. 353949
Atlan, H.
Early evaluation and diagnosis of vascular impairment of flaps using ^{99}Tc sodium pertechnetate – an experimental and clinical model. (INIS-mf – 3663) 354897
Atobe, K.
Colloid bands in silver chloride induced by reactor irradiation at low temperature. 370130
Atrens, A.
Amplitude-dependent damping in zirconium. 362445
Atreya, S.K.
Ultraviolet spectrometer experiment for the Voyager mission. 374884
Atroshchenko, L.V.
Investigation of deformed zones around microimprints on face (10 anti 10) of A^2B^6 monocrystals with wurtzite structure. 359600
Microstructure of near-surface layers of CdSe monocrystals doped with copper. 369960
Atsarkin, V.A.
Direct observation of nuclear magnetic resonance in rotating coordinate system and suppresion of nuclear dipole interactions in solids. 361461
Atsumo, H.
Behaviour of corrosion product from irradiated stainless steel in flowing sodium. (IWGFR – 7) 360995
Brief description of out-of-pile test facilities for study in corrosion and fission product behaviour in flowing sodium. (IWGFR – 7) 360976
Sodium compatibility and corrosion tests for component materials. (CONF-760503 – P2) 352716
Attalla, A.
NMR studies of the helium distribution in uranium tritide. 360009
Attallah, T.
Structural perfection of directionally solidified lamellar eutectics. 349433
Use of Moire fringes in the study of lamellar eutectics. 378586
Attenberger, S.E.
Effects of fueling profiles on plasma transport. (CONF-771129 – 5) 371893
Plasma engineering considerations for a medium-field ignition test reactor. 377509
Attwood, D.T.
Confirmation of radiation pressure effects in laser – plasma interactions. (UCRL – 80132(Rev.1)) 371730
Long pulse microsphere experiments at 3 TW. (UCRL – 79779) 377357
Time-resolved x-ray spectra of laser irradiated high-Z targets. (UCRL – 79783) 377469
Use of x-ray imaging on laser fusion experiments. (UCRL – 79817) 366506
2660 A holographic interferometry of laser produced plasmas from tilted disk targets. (UCRL – 79775) 377332
Atvars, T.D.Z.
Laser photochemical isotope separation of ^{11}B and ^{10}B using a CO_2 TEA laser. 365657
Atzmony, U.
Crystal field effects in Laves and other rare earth iron and rare earth cobalt compounds. 378587
Au, F.H.F.
Influence of microbial activities on availability and biotransport of plutonium. (NVO – 171) 379130
Au, J.J.S.
Low temperature magnetic relaxation studies of the motion of hydrogen and deuterium in alpha iron. 367227
Au, Y.
Operation status of the Nevis Synchrocyclotron. 363348
Aubekerov, S.E.
Gamma guanta families from a dense target and their inter. 361662
Auberson, G.
Unitarity bounds on elastic absorptive parts in terms of the diffraction peak width. 364467
Aubert-Frecon, M.
Diabatic molecular states and the shielded diatomic orbital method. Evolution of two-interacting state systems for molecular hydrogen. 353179
Aubert, B.
Automatic measurement of radio-isotope uptake in the organs by numeric scintigraphy (applied to the thyroid). 360390
Aubert, G.
Magnetization reorientation in $HoCo_2$. 365134
Auble, R.L.
Nuclear data sheets for A = 53. 351325
Nuclear data sheets for A = 56. 351324
Nuclear data sheets for A = 57. 351326
Aubrecht, G.J. II
Baryon – antibaryon pair decay of eta/sub c/ in coherent production. (COO – 1545-216) 361766
Production of γ(9.5) in e^+e^- annihilation and photoproduction. (COO – 1545-218) 375016
Production of UPSILON (9.5) in e^+e^- annihilation and photoproduction. 366821
Aubrecht, G.J. Jr.
Baryon-antibaryon pair decay of etasub(c) in coherent production. 377704
Aubry, S.
Some non-linear physics in crystallographic structures. (BNL – 23419) 371555
Auchampaugh, G.F.
Double-differential beryllium neutron cross sections at incident neutron energies of 5.9, 10.1, and 14.2 MeV. 372739
Neutron cross section programs in the energy region from 1 to 24 MeV at the LASL Van de Graaff Facilities. (LA-UR – 1028) 361954
Auchampaugh, R.
Total cross section of ^{9}Be, ^{10} ^{11}B and ^{12} ^{13}C from 1.0 MeV to 14 MeV. (BNL-NCS – 22500) 356689
Auchapt, P.
Design, construction, operation and maintenance of reprocessing plants. Experience gained. 367191
Auciello, O.
A novel ultra-high vacuum manipulator with six degrees of freedom. 368334
Auclair, B.
Electronic conductivity and oxidation reduction in zirconium based ceramics. 354585
AuCoin, T.R.
Low-temperature specific heat anomalies in the group V transition metals. 367258
Audebeau, J.P.
Quality assurance for HTR fuels. 376536
Audit, G.
Photoproduction of negative pions on D and ^{4}He in the Δ(1236) region. (LYCEN – 7702(pt.1)) 369460
Audley-Charles, M.G.
Fossil manganese nodules from Timor: geochemical and radiochemical evidence for deep-sea origin. 373410
Audouze, J.
Helium (3) rich solar flares. (LA-UR – 77-1055) 361680
Auehrman, A.N.
The lowest oxidation state of the first half lanthanide series elements. 357106
Aueman, L.N.
Determination of oxidation potential of the pair Fm^{2+}/Fm^{3+}. 359748
Auer, I.P.
Measurement of the π^+p and π^-p polarization parameters at 100 GeV/c. 351209
Measurements of the total cross-section difference and the parameter Csub(LL) in pp scattering with longitudinally polarized beam and target. 356485
ZGS beam transport for transverse or longitudinally polarized protons. (ANL-HEP-PR – 77-61) 367959
Auer, L.H.
The determination of vector magnetic fields from Stokes profiles. 372115
Effects of CNO abundances on the Balmer jump of late-B horizontal-branch stars. 359044
Non – LTE line formation in the presence of magnetic fields. 359045
Auerbach, D.
Energy accommodation and reactivity of O_2 on tungsten. 353398
High-resolution differential cross section of polarized, rotationally state-selected LiF on Ar. (INIS-mf – 3940) 348639
Merged electron-ion beam experiments. 366315
Auerbach, D.J.
Crossed molecular beam study of the translational energy dependence of $Cl + Br_2 \rightarrow BrCl + Br$ reaction. 368713
Auerbach, E.H.
Surface transparent potentials: forward angle transfer and backward angle elastic scattering in heavy-ion collisions. (BNL – 23461) 377859
Auerbach, J.M.
Confirmation of radiation pressure effects in laser – plasma interactions. (UCRL – 80132(Rev.1)) 371730
Polarization and angular dependence of 1.06-μm laser-light absorption by planar plasmas. 350896
2660 A holographic interferometry of laser produced plasmas from tilted disk targets. (UCRL – 79775) 377332
Auerbach, L.B.
Experimental investigations in particle physics at intermediate energies. Progress report, December 1, 1976 – November 30, 1977. (COO – 3539-8) 364557
Auerbach, N.
Particle-hole calculation of the isobaric analog and isovector monopole resonances. (IPNO-TH – 77-36) 359374

Particle-hole calculations of the isobaric analog and isovector monopole resonances. 377860
Studies of the ($\pi+,\pi^0$) reaction in nuclei. (LYCEN – 7702(pt.1)) 359452
Auerbach, S.P.
Collisional damping of Langmuir waves in the collisionless limit. 364163
Augason, G.C.
Carbon monoxide abundances and $^{12}C/^{13}C$ ratios of K and M stars obtained with an echelle spectrometer. 372116
Augenstein, K.H.
Measurement of $\pi^-p \rightarrow \pi^0 n$ at large momentum transfer. 372503
Observation of a meson $X \rightarrow 2\gamma$, with mass 2.85 GeV/c^2, produced in the charge-exchange reaction $\pi^-p \rightarrow Xn$ at 40 Gev/c. 377780
Auger, F.
Researches with the tandem and the synchrotron. Chapter 1. (CEA-N – 1959) 354137
Auger, G.
High spin states in lead isotopes with A between 193 and 199. (IPNO-PhN – 77-17) 359450
Auger, J.P.
Development of the design of standardized units for the production of artificial radionuclides. 360674
Augis, J.A.
Time- and space-resolved spectroscopic studies of electrical breakdowns in an argon-hydrogen mixture. 366657
Augustov, P.A.
Photorefraction in lithium niobate. 374664
Augustyniak, W.M.
Channeling in V_3Si: Atomic displacements and electron-phonon/defect interactions. 365246
Channeling of electrons and positrons. 355935
Aukhadeev, F.L.
Anomalous temperature dependence of spin-lattice relaxation of praseodymium nuclei in $Pr_2(SO_4)_3x8H_2O$ monocrystal. 348758
Aul'chenko, V.M.
Beginning of experiments on the VEPP-2M electron-positron storage. (JINR-D – 1,2-9342) 357934
Display for information output in physical experiments. 371077
Wide-range time-to-digital converters with a high resolution. 371076
Auler, I.
Radioactivities and amounts of waste during LWR nuclear power plant shutdown. 370901
Aulich, A.
A contribution to the radiotherapy of pinealomas: course controls by computer tomography. (AED-Conf – 77-395-004) 370503
Diagnostic value of computerized tomography for the radiotherapy of cerebral tumors. (AED-Conf – 77-395-006) 370479
Aulov, V.A.
Radiothermoluminescence study of β- and γ-relaxation transitions in copolymers of ethylene with vinylsilanes and some other hetero-organic monomers. 354452
Aumann, D.C.
Absolute cross sections and isomeric cross-section ratios for the ^{148}Nd(d,2n), ^{148}Nd(p,n), and ^{146}Nd(α,pn) reactions producing the isomeric pair ^{148}Pm/sup m ,g/. 351327
Independent formation cross-section of sup(148m)Pm and sup(148g)Pm in the fission of ^{232}Th induced by 26- to 42-MeV ^{4}He-ions. 369461
Independent isomeric yield ratio of ^{148}Pm in fission of the moderately excited ^{236}U compound nucleus as a measure of fragment angular momentum. 351328
Aumont, R.
Growth of tellurium monocrystals by hydrothermal process. 357210
Aupetit, A.
Irradiated fuel transport and handling system adopted for Electricite de France's nuclear power plants. 367948
Aurela, A.M.
Counting a small number of radioactive atoms. 374291
Aurich, D.
The influence of the stress state on the fracture toughness. (IAEA – 189) 360790
Auriemma, G.
Short time transient periodicities from Cyg X-1. (CONF-7510169 –) 364272
Aurilia, A.
String dynamics in an external field: a family of exact solutions. 361244
Auriol, E.
Researches with the 600MeV Linac. Chapter 4. (CEA-N – 1959) 354138
Auslender, V.L.
Accelerating resonators for proton synchrotrons with a short acceleration time. 376346
B-5 proton-ion synchrotron. (UCRL-Trans – 1542) 379475
Aust, E.
Experimental studies on the pressure relief system. 370902
Austern, N.
Multiple scattering with three-body forces. 372578
Stripping form factor revisited. 372577
Two-body surface correlations in ^{18}O. 354070
Austin, S.M.
Activation and angular distribution measurements of ^{7}Li(p,n)^{7}Be (0.0 + 0.429 MeV) for Esub(p) = 25-45 MeV: a technique for absolute neutron yield determination. 367003
A constraint on the universal baryon density from the abundance of ^{7}Li. 356176
Autin, B.
CERN 400 GeV proton storage rings with superconducting magnets. 363145
Autric, M.
Experimental study of an air plasma generated by interaction of a CO_2 laser beam with a solid target. 353524
Auxier, J.A.
Applied health physics and safety annual report for 1976. (ORNL – 5310) 356991
Dosimetry for human exposures. (ORNL – 5171) 367525
Health Physics Division. Annual progress report for period ending June 30, 1976. (ORNL – 5171) 366238, 366918, 367226, 367367, 367490, 367520, 367525, 367537, 367539, 367541, 367552, 367553, 367554, 367555, 367556, 367560, 367561, 367563, 367565, 367566, 367567, 367581, 367594, 367597, 367599, 367600, 367601, 367628, 367726, 367727, 367742, 367755, 367879, 368492
Avaeva, I.G.
Faraday effect and physical properties of epitaxial films of bismuth-containing ferrite garnets with magnetic compensation point. 358858
Avakyan, R.M.
Cosmic rays from pulsars. 374955
The gravitational field of the homogeneous plane layer. 374873
Avakyan, R.O.
Asymmetry of eta meson photoproduction cross section by polarized photons in the resonant energy range. 369340
Energy resolution of a scintillation counter with a large NaJ(Tl) crystal. 358337
Avakyan, S.V.
Auger-processes in the upper atmosphere. (INIS-mf – 3915) 349670
Avakyan, V.V.
Experimental facility for study on high-energy cosmic hadron interactions by means of transition radiation detectors. 363549
Facility for experiment on the investigation of charge composition of primary cosmic radiation in the energy range 20-10000 GeV/nucleon by the XTR-detector. (EFI – 177(23)-(76)) 350285
Avan, L.
A spectrometer for gaseous studies in the soft X-ray range. 371151
Avanesov, V.M.
The adjustment of the energy cutoff level in radiometric instrumentation. 354637
Avanzino, S.C.
Core electron binding energies cyclotriphosphazenes and cyclotetraphosphazenes. 367068
Avarbeh, R.G.
Effect of nitrogen equilibrium pressure on the TiNsub(n) and HfNsub(n) melting temperature. 378765
Avchukhov, V.D.
De-excitation of ^{133}Cs levels excited in the (n, n'γ) reaction. 375154
Level scheme of sup(105)Pd. 359375
Avci, H.I.
Comparison of liquid ISSECs; Li, Pb, and Pb_4Li for use in laser fusion reactors. (UWFDM – 208) 377335
Effect of a liquid ISSEC on radiation damage parameters in laser fusion reactor first walls. (UWFDM – 205) 377334
Use and performance of graphite and metal ISSECs in tokamak fusion reactors. (UWFDM – 202) 377333
Avdeev, V.I.
Ab initio calculations of potential surfaces and geometry of non-rigid molecules. 356996
Avdeev, V.V.
Effect of pressure on partial molar volumes of components in $CdCl_2$-H_2O system. 359661
Avdejchikov, V.V.
Inelastic scattering of high energy particles with light nuclei and cluster structure of nuclei. 375155
p-type high-resistance silicon detectors for β and X spectrometry. 379858
Small-size source of labelled alpha particles. 370682
Technique for the determination of the ratio of the charged particle range to the energy. (Soviet patent document 410346/A/) 355495
Avdonina, E.N.
On temperature dependence of yields of products from radiolysis of liquid n-hexane. 369773
On the mechanism of radiolysis of liquid n-hexane. 369772
Avedisova, V.S.
Rotation of Wolf-Rayet stars and ellipticity of their surrounding nebulae. 374874
Avenel, O.
A liquid helium saver. 360600
Aver'yanov, P.G.
Experimental RBT-6 reactor. 376597
Aver'yanov, V.I.
More accurate definition of liquation dome in Na_2O-B_2O_3-SiO_2 system. 378195
Aver'yanova, L.N.
Ionic melts as media for growing of monocrystals of compounds with crystal structure of pyrochlor. (INIS-mf – 4193) 378215
Averbukh, A.Ya.
Activity of molybdenum-containing oxide catalysts in the reaction of ethane oxidation. 369646
Averbukh, I.I.
B-5 proton-ion synchrotron. (UCRL-Trans – 1542) 379475
Averchenkov, V.Ya.
Measurement of captured gamma quanta yield from an organic scintillator when irradiated with fast neutrons. 376606
Avery, A.F.
Radiation streaming – the continuing problem of shield design. 368082

Avery, D.H.
Prevention of fuel rod ballooning in nuclear power plants. 358083
Avery, N.R.
(e,2e) reactions in solids. 371459
Momentum transfer effects in the electron loss spectrum of W(001). 349434
Avery, R.
In-pile experiments and test facilities proposed for fast reactor safety. (CONF-761001 – P2) 362940
Safety considerations in fast reactor fuel development. 371050
The SAREF program. (CONF-761001 – P1) 362854
Avetissian, H.K.
Cerenkov modulation of the electron beam. 363867
The energy spread of an electron beam as a result of Cerenkov diffraction on an intensive wave. 363866
Avetisyan, A.Eh.
Energy resolution of a scintillation counter with a large NaJ(Tl) crystal. 358337
Avetisyan, D.V.
High activity of $MoCl_5$ in the cleavage of Si-C bond in tetraalkyl- and arylsilanes. 378194
Avetisyan, Yu.A.
Transformation of austenite into martensite during cycling deformation. 349469
Avgul', V.T.
Distribution of praseodymium and neodymium ions in the system of cationite – diethylenetriaminepentaacetic acid solution in the interval of 6-140 deg C. 359689
Avidon, D.A.
On durability of bimetal in corrosion environment. 369819
Avignant, Daniel
Crystal growth of thallium and uranium fluorides. 356992
Avila, J.
Relationship of time – dose factors to tumor control and complications in the treatment of Cushing's disease by irradiation. 367519
Relationship of time – dose fractionation factors to complications in the treatment of pituitary tumors by irradiation. 367518
Avilez-Valdez, C.
Sympletic symmetry as an alternative approach to charm and color. 353758
Avilez, C.
SU(6)sub(w) fits in baryon photoproduction and electroproduction: $D_{13}(1520)$, an example. 356385
Avilov, A.M.
Excitation of elastic waves by charge particle beams in solid dielectrics. 361417
Avilova, G.I.
On determination of parameters of electrochemical reaction rates in the range of high filling of electrode surface by molecules of adsorbate. 378204
Avksent'ev, V.V.
Way of preparation of aqueous solutions containing ruthenium compounds. (Soviet patent document 469665/A/) 354348
Avksentyuk, B.P.
Instability of heat transfer on surfaces leaned with centres of steam generation. 376295
Avni, Y.
Masses of compact X-ray sources. 369020
Status of the study of ellipsoidal light variations in 3U0900-40 and other x-ray binaries. (CONF-7510169 –) 364273
Avons, C.H.J.
Present and future vulcanisation methods. 365677
Avotin'sh, Yu.Eh.
Investigation of chemiluminescence in dissolution of irradiated alkaline halide crystals. 370131
Avraamov, Yu.S.
Magnetic properties of niobium-titanium alloy single crystals in superconductive state. 378588
Avram, E.
Considerations on the multielectrode probes for plasma diagnostics. 377336
Avramenko, A.G.
Roentgenoelectronic investigation of some molybdenum oxides. 357023
Avramenko, A.S.
Surface beta-activity of soil vegetative cover induced by nuclear explosion products and its dependence on the vertical migration of isotopes. 375998
Avramov, A.M.
Investigation of the neutron detection statistics in fast critical assembly BFS-24-1. 355243
Avramov, S.R.
SIMP program system for gamma-spectra processing. (JINR-R – 10-9741) 380148
Avrett, E.H.
The calculation of theoretical chromospheric models and predicted OSO I spectra. Semiannual report, 1 July – 30 December 1976. (N – 77-19975) 361663
Avrigeanu, A.
Lifetime measurements in ^{86}Zr. 375156
Avrigeanu, V.
Lifetime measurements in ^{86}Zr. 375156
Avrillier, S.
Processes for electronless plasma generation. 353510
Avron, J.
Formation of negative ions in magnetic fields. 366316
Avron, Y.
Trapping of positive energy electrons on an infinite sheet. 355938
Avrorin, V.V.
On the possibility of producing tritium labelled phenyl-substituted onium derivatives of halogens by means of ion-molecular reactions. 354407
Preparation of tritiated phenyl-substituted onium derivatives of antimony, tellurium and iodine by means of ion-molecular reactions. 365029
Avrorov, A.P.
"Akvagen" pulse electron accelerator. (INIS-mf – 3954) 363146
Avrov, A.I.
Generation of the 3/2ωsub(o) harmonic of the neodymium laser radiation on heating of spherical targets. 377337
Avundzhyan, A.T.
Experimental facility for study on high-energy cosmic hadron interactions by means of transition radiation detectors. 363549
Utilization of XTR detector for hadron identification in polarization measurements in hadron-hadron interactions. (EFI – 130(75)) 361017
Avvakumov, E.G.
Resonant filter from defect tin dioxide for Moessbauer spectroscopy. 360666
Aw, Swee Eng
Biochemical assays with radio-iodinated substrates. (IAEA-R – 1820-F) 357079
Awa, Akio A.
Cytogenetic studies of A-bomb survivors and their children in Hiroshima and Nagasaki. 370379
Awasthi, O.N.
Electron-electron umklapp scattering processes in the low-temperature electrical resistivity of aluminium. 353399
Awaya, Y.
Bonding effect in X-ray spectra induced by 84 MeV N^{4+} ions. 358846, 377562
The dependence of multiple inner-shell ionization on the projectile energies and on target elements by nitrogen-ion bombardment at the energy above 4 MeV/amu. 353180, 376964
Awschalom, M.
Physical characterization of neutron beams produced by protons and deuterons of various energies bombarding beryllium and lithium targets of several thicknesses. 373931
Axe, J.D.
Charge density wave instabilities and incommensurate structural phase transformations. (BNL – 23330) 378589
Diffuse neutron scattering from an ω-phase ZrNb alloy. 359346
Neutron scattering studies of electron – phonon interactions. (BNL – 23019) 350706
Spin dynamics in the mixed valence alloy Ce/sub 1ts-tsx/Th/sub x/. 359985
Axel, P.
Status of MUSL-2: the second microtron using a superconducting linac. 363147
Axford, W.I.
Discontinuous transitions in a current-carrying plasma. 366585
The Low-Energy Charged Particle (LECP) experiment on the Voyager Spacecraft. 374927
The three-dimensional structure of the interplanetary medium. 372117
Axinescu, S.
Digital computer model of the electron injection and capture process in the microtron. 356354
Axon, K.B.
Electron and ion heating by neutral injection in DITE tokamak. (INIS-mf – 3963) 353553
Axtmann, R.C.
Studies in fusion reactor technology. Final report, September 1, 1974 – August 31, 1977. (COO – 3028-29) 361490
Ayala, J.S.
Flooding and mass transfer in Goodloe-packed columns, Part 2. (ORNL/MIT – 253) 358244
Ayasse, J.B.
Irradiation of pyrolytic graphite at liquid helium temperature by electron beams. 370132
Ayauen, E.
Results of the first measurements and a comment on a new atomic-beam magnetic-resonance spectrometer. 366317
Aydemirskiy, P.
Multilayer ionization fission chamber with cooling of the fissile targets down to 77°K. (LA-tr – 77-35) 358338
Aydin, R.
Production of metastable atoms in atomic physics. 371460
Aydin, Z.Z.
Application of Veneziano model to charm meson systems. (DESY – 77/62) 375014
Aye, M.S.
Radiation necrosis of the scalp: a complication of cranial irradiation and methotrexate. 357595
Ayers, D.S.
Long-lived particle spectrometer for the Fermilab collider. (ANL-HEP-PR – 77-53) 374292
Ayers, J.W.
Design study of superconducting magnets for a combustion magnetohydrodynamic (MHD) generator. (N – 77-20886) 359192
Aymar, R.
Equilibrium field and current determination for Tokamaks. (EUR-CEA-FC – 821) 353511
Estimation of energies necessary to control the plasma position inside a Tokamak (Torus II). (EUR-CEA-FC – 902) 353512
Ayres, D.S.
Experimental Hall design considerations. (ANL-HEP-CP – 77-50) 365736

pp collider construction scenario. (ANL-HEP-CP – 77-52) 365737
Ayukhanov, A.K.
Efficiency of negative ion formation during the sputtering of surfaces activated by alkali metals. (INIS-mf – 3996) 363948
Ayyaswamy, P.S.
Effect of internal circulation on the heat transfer of a nuclear reactor containment spray droplet. 367744
Reactor containment heat removal by passive heat sinks following a loss-of-coolant accident. 362855
Azargoon, G.A.
Surface integrity in machining of titanium alloy Ti – 6% Al – 2% Sn – 4% Zr – 2% Mo. 367228
Azarov, V.V.
Concentration and temperature dependence of quantum yield of roentgenoluminescence of LaF_3-rare earths monocrystals. (INIS-mf – 3955) 362157
Investigation of peculiarities of injection of rare earth ions into crystals with garnet structure. (INIS-mf – 3955) 364931
Investigation of photo- and roentgenoluminescence of $LiYF_4$-rare earths monocrystals. (INIS-mf – 3955) 362155
Investigation of recombination luminescence of CdF_2-rare earths monocrystals. (INIS-mf – 3955) 362156
Roentgenoluminescence determination of rare earth ions concentration in monocrystals and powdered luminophores. (INIS-mf – 3955) 362119
Azarova, L.A.
Study of solubility and solid phases in the HIO_3-$Mg(IO_3)_2$-H_2O system at 50 deg C. 362222
Azarpay, G.
Samanid ceramics and neutron activation analysis. (LBL – 5961) 369518
Azaryan, M.O.
Energy spectra of leading particles in hadron-nucleus interactions. 361664
Azatyan, R.A.
Influence of kinetin on the formation of chromosome aberrations in the irradiation of Crepis capillaris L. seeds and its radioprotective effect. 349722
Modification of radiation-induced damages to chromosomes in Crepis capillaris L. seeds by inhibition of additional DNA synthesis if G_2 phase. 349723
Azatyan, V.V.
Study on free atom reaction kinetics by means of electron spin resonance method. (INIS-mf – 3915) 350351
Azechi, H.
Laser fusion research in Osaka. (IAEA – 200) 353656
Measurement of density modification of laser-fusion plasmas. 371732
Azechi, Hiroshi
Optical measurement of laser-driven imploding shock wave. 358911
Azekura, K.
Improved response matrix method for calculating neutron flux distributions. 363390
Azemoon, T.
Determination of the longitudinal and the transverse part in π^+-electroproduction. (DESY – 77/64) 366892
Elastic π^0 electroproduction above the resonance region. (DESY – 77/42) 364562
Electroproduction of neutral pions and test of the quark-parton model. 356394, 364561
Inclusive spectra of electroproduced K^+-mesons. (DESY – 77/49) 364578
Azevedo, I.
Moessbauer spectroscopy of meteorites fallen in Brazil. 363949
Moessbauer spectroscopy of the Saint-Severin meteorite. 364842
Azhazha, V.M.
Chromium coatings effect on mechanical properties of titanium. 349435
Discontinuous yield of nickel-zirconium and nickel-scandium alloys produced in vacuum. (KFTI – 75-10) 354491
The nature of zirconium plastic deformation. Part 2. (KFTI – 76-51) 375845
Vanadium refinement by crucible-less vacuum distillation. (KFTI – 75-10) 354483
Azhgirej, L.S.
High-pulsed parts of spectra of secondary particles from collisions of 6,3 GeV/C deuterons with protons, deuterons and carbon nuclei. (JINR-D – 1,2-9342) 356486
Azhinenko, I.V.
Associated multiplicities in $K^+p \rightarrow K^0X$, $K^+p \rightarrow \pi^-X$ reactions at 32 GeV/c. 369346
Azhogin, F.F.
About notch effect on the environment sensitivity of high-tensile steels. 375733
Azikov, A.
Determination of the lattice location of ^{16}O implanted into Si and Ge crystals. (INIS-mf – 3996) 363981
Azimi-Garakani, D.
Automatic fission track counting using the Quantimet 720. 368272
Azimov, O.
Interaction of recombination centers in Zns-Ag, Sm, and ZnS. CdS-Tm, Ni crystallophosphors. 371648
Azimov, S.A.
Calculations of electron-nuclear cascade characteristics at E_0 approximately 10^{13} eV. 361665
Coherent diffractive dissociation of 20.8 GeV/c protons into the $p\pi^+\pi^-$ system. 369348
On the structure of the longitudinal rapidity inclusive distribution in the 20-200 GeV range. 369347
A study of inelastic pion-nucleus interactions at 200 GeV/c in an emulsion. 356481
Study of large-size molybdenum monocrystal structure prepared by electron beam droplet melting. 349436
Study of 200 GeV/c proton diffractive dissociation using the parametrically invariant quantity g_1. 369339
Study on the C^{12} – p + X inclusive reaction at PC = 40 GeV. (JINR-R – 1-9021) 364558
Azimov, Ya.I.
Energy spectra of secondary leptons in the $e^+ + e^- \rightarrow L^+ + L^-$ process. 369263
Properties of heavy leptons and their effects on the $e^+e^- \rightarrow$hadrons reaction. 356386
Azizkulova, O.A.
Types of rhenium and molybdenum present in oil-shales. 349201
Azizov, Eh.A.
A high-power laser system for thermonuclear fusion experiments. (IAEA – 200) 353513
Azizov, T.A.
Study of dithiocarbamides of zinc and cadmium acetates by means of infrared spectroscopy and differential thermal analysis. 354341
Azodi, H.
End losses from linear theta pinches. (AEOI – 60) 374805
Azovskij, Yu.S.
Source and detector of a potassium neutral beam. (KFTI – 75-19) 377338
Azu, P.
Investigation into hydrogen diffusion in the armco-iron in the 0-300 deg C temperature range and influence of extensive stresses. 370042
Azuma, R.E.
Isospin mixing of the 5605 and 5668 keV states in ^{18}F in the light of a new state at 5603 keV. 354149
Azumi, Kazuoki
A 550kV full GIS for the Oi Nuclear Power Station of Kansai Electric Power. 350219
Azzarelli, L.
Chromospheric rotation during 1972-73, years of declining activity. 353663
Azzoni, A.
Measurement with self-powered cobalt and cadmium detectors. 352807
Azzopardi, M.
Comparative study of the oxidation with water vapor of pure titanium and of Ti – 6Al – 4V. 362305
Baacklini, N.S.
Spin 3/2 field and Cartan's geometry. 353033
Baadsgaard, H.
Determination of the ^{87}Rb decay constant. 359471
Baak, D.A. van
Precision measurement of the double quantum transition $3^2Ssub(1/2)$-$3^2Dsub(5/2)$ in hydrogen. 366327
Baaklini, N.S.
Cartan's geometrical structure of supergravity. 371339
Non-linear realisations and Higgs mechanism for extended supersymmetry. 369402
Supersymmetry and classical solutions. 355720
Baarli, J.
Determination of Relative Biological Efficacy (RBE) and Oxygen Enhancement Ratio (OER) for the entire negative and positive pion beam profile using Vicia faba roots and Drosophila embryos as biological model systems. (LA-tr – 77-75) 378994
Effect of pions on germ cells and occurrence of mutations. (LA-tr – 77-67) 379006
Effects of negative pions and neutrons on the growth of Vicia faba bean roots. 373505
Baarthold, W.P.
Effect of swelling and creep on LMFBR performance. 360962
Baatz, H.
Method and plant to dispose of liquid radioactive wastes from nuclear power stations. (German (F.R.) patent document 2520850/A/) 352852
Baba Prasad, P.N.
Compton scattering of 1.12 MeV gamma rays by K-shell electrons. 361917
Baba, H.
A computer program for α spectrum analysis. 374516
Development of KEK injector linac. 363357
Effect of the base line shape of the unfolding of peaks in the Ge(Li) gamma-ray spectrum analysis. 355496
Baba, K.
Structural analysis and evaluation for the design of pressure vessel. 350127
Baba, Mamoru
Absolute fission ratio measurements with semi-conductor fission chambers. 355534
Baba, S.
Effect of the base line shape of the unfolding of peaks in the Ge(Li) gamma-ray spectrum analysis. 355496
Baba, Shigeo
Studies on drug metabolism by use of isotopes, 19. 359556
Studies on phenylalanine metabolism by use of tracer techniques. 378417
Babad-Zakhryapin, A.A.
Method of producing tungsten coatings. (Soviet patent document 449116/A/) 354487
Some peculiarities of limited growth texture formation in vapor deposited layers of molybdenum. 349465
Babaev, A.
Backward elastic scattering of negative pions on protons at 25 and

38 GeV/c. (ITEP – 2) 356487
Total cross-section measurement of neutron interaction with protons and nuclei in the energy range from 26 to 54 GeV. (ITEF – 10) 356690
Babaev, A.I.
Elastic backscattering of pions minus on protons at 25 and 38 GeV/c. 369349
Babaev, A.K.
Determination of conditions of gadolinium precipitation by arsenate ions. 359570
Quantitative chemical analysis of gadolinium and scandium. 375354
Babaev, M.B.
Emission lines in spectrum of the Delphini 1967 Nova. 374875
Variability of the lambda 4650 SIU emission line in the ND 16523 Wolf-Rayet star. 359046
Babaev, M.K.
Some characteristics of gamma quanta in hadron interactions at energies above 2.5 TeV. 361742
Babaev, N.S.
Some technical aspects of accounting for and control of nuclear material at nuclear fuel cycle facilities in the USSR. 371289
Babaev, Ya.N.
Interaction in SnTe-[Ga,In]$_2$Te$_3$ systems. (INIS-mf – 4040) 378590
Thermoelectrical properties of In_2Te_3 and [In_2Te_3]sub(1-x) – [SnTe]sub(x) solid solutions. 370041
Babaev, Z.R.
Dynamic symmetry and analysis of high energetic data on elementary particles. 353759
On multiplicity of charged particles in hadron reactions at high energies. 349054
Babaeva, M.R.
Investigation into reaction of indium selenides with iron. 375552
Babaeva, V.P.
Anhydrous perchlorate of zirconium. 349198
Babakov, A.A.
Main features of production technology of stainless steel without nickel and low nickel steels. 375811
Babarehko, A.A.
Effect of pickling on some titanium-base alloys depending on their structures. 369891
Texture of welded joints of commercial titanum alloys. 378579
Babayan, A.Z.
Device for the measurement of instantaneous value of magnetic field strength of synchrotron electromagnets. (EFI – 162(76)) 350052
Babayan, G.E.
Translator from the COPLAN language into the "Electronics-100" computer code. (JINR – 11-9766) 380149
Babayan, R.
Radiation ulceration of the skin and its treatment. 376120
Babayan, V.Kh.
Cosmic ray interaction with magnetized plasma (propagation, modulation, acceleration). 356177
Babb, S.C.
Implementation of a preliminary information storage and retrieval system. (LF – 56) 362714
Babbitt, D.
Ground state representation of the infinite one-dimensional Heisenberg ferromagnet. Pt. 2. 366243
Babchenko, G.A.
Photoelectrical properties of CdS-GaAs heterojunctions. 348816
Babcock, J.B.
Model for the radiative couplings of excited hadrons incorporating the single quark transition rules and vector dominance. 364468
Babecki, J.
Inclusive data in proton-nucleus collisions at 67, 200, and about 3000 GeV. (INP – 872/PH) 375063
Babej, Yu.I.
Effect of surface-active medium on impact ductility and steel dynamic strength in case of impact bending. 349437
Experimental verification of the statistical theories of scaling factor effect in fatigue fracture of steel. 378739
Tin content effect on the physical and mechanical properties and workability of the YuNDK35T5 alloys. 375862
Babel, D.
Sternheimer antishielding of the fluorine ion in octahedral $(MeF_6)^4$-complexes of transition metals from perturbed angular-correlation measurements. 374677
Babel, P.J.
Computer program SCAP-BR for gamma-ray streaming through multi-legged ducts. (CONF-771109 – 88) 379546
Babelon, O.
Contributions of the zero frequency mode in the quantization of solitons. 371340
Babenko, A.N.
Observation of NMR signals on V^{51} nuclei in Fe-V films. 361479
Babenko, A.S.
Investigation of metal ion extraction by different mixed nonaqueous solvents in the presence of dichloro-chromotropic acid and nitron. 378205
Babenko, M.L.
Experimental superconducting homopolar motors. 360651
Babenkov, M.I.
Relative probabilities of the Auger KLM and KLN transitions in intermediate and heavy atoms (35/(< =)/Z/(< =). 376965
Baberschke, K.
Electron spin resonance of Gd in Ce/sub x/La/sub 1-x/Ru_2. 357244
EPR of Gd_3^+ in Lu and Sc single crystals. 378697
ESR of impurity as a probe for the host exchange interaction in Tm Van-Vleck compounds. 378760
Relaxation phenomena and host exchange parameters in Tm van Vleck compounds. 350791
Superconducting transition temperature, its pressure dependence and structural transformation in (La,Ce) Ru_2 alloys. 357328
Babeshkin, A.M.
New ^{57}Co source for Moessbauer spectroscopy. 357866
Babetskij, V.I.
Bimetrical formalism and observables in the general relativity theory. 368517
Babetskij, Ya.
On the dependence of "normalized multiplicity" of particles in hadron-nucleus interactions on number of collisions in a nucleus and initial energy. 361872
Babich, B.N.
Structure and properties of a nickel-chromium dispersion hardened alloy. 375812
Babich, Eh.A.
On lithium ferrite interaction with V_2O_5. 349565
Babichenko, S.I.
Equipment for measuring X-ray emission of extraterrestrial sources. 374294
Measurements in interplanetary space and in the Martian upper atmosphere with a hydrogen absorption-cell spectrophotometer for Lα-radiation on-board Mars 4 – 7 spaceprobes. 374293
Babichev, G.G.
On the relationship between field and diffusion components of the photomagnetic effect in p-type InSb. 348759
Babicky, A.
Distribution of intravenously injected [^{86}Rb] in different tissues of the rabbit eye. 357620
Babievskaya, I.Z.
Investigation into glasses of P-Se and As_2Se_3-InI_3 systems by infrared spectroscopy. 378234
Babin, M.
Diphenylamino-fluorphosphine-carbonyl complexes of Ni(0) and Mo(0). 349199
Babinet, R.
Evidence for a short lifetime and a long lifetime regime in the deep inelastic collisions between ^{40}Ca and ^{64}Ni at 182 MeV. 372694
Fusion and deep inelastic collisions studied on the Ar + Au system. Pt. 2. 356765
Babinets, A.E.
Uranium in the Black Sea. 351955
Babintsev, V.V.
On study of two-particle inclusive reactions in the K^-p interactiors at 32 GeV/c. (IFVE-M – 24) 349088
Babkin, G.I.
On excitation of acoustic plasmons in bismuth. 355939
Babkina, Eh.I.
The effect of composition of mixture on rate of radiation initiation of chain reactions. 369805
Babkova, H.
Radioisotope control of growth suitability of media. 379153
Babonneau, D.
Relativistic effects on electromagnetic wave propagation in a cold inhomogeneous electron plasma. 371762
Babushkina, T.A.
Investigation into electronic structure of some C-substituted of dicarbaclosododecarboranes using IR and NMR spectroscopy. 364932
Spectra of ^{127}J nuclear quadrupole resonance of organic iodine compounds of diagnostic using. 349200
Babykin, M.V.
New high-current relativistic electron beam accelerators at the I.V. Kurchatov Institute of Atomic Energy. (IAEA – 200) 364164
Baca, R.G.
Hanford groundwater transport estimates for hypothetical radioactive waste incidents. (ARH-LD – 162) 378888
Baccari, B.
Channel cross sections of K^-p reactions from 1.934 to 2.516GeV/c. (LPC – 77-01) 369354
Bacci, C.
Electron-positron bremsstrahlung at ADONE. A new limit for the existence of a heavy electron. 361767
Bacesa, L.
Analysis of animal experiments of radiation dependent tumor regression in relation to different parameters. (LA-tr – 77-73A) 379019
Bach, C.W.
Optimized method for orificing LMFBR cores. (CONF-770611 – 6) 352727
Three-dimensional thermal-hydraulic analysis of wire-wrapped rods in liquid-metal fast breeder reactor core assemblies. 363502
Bach, D.R.
Characterization of an ultradense reproducible Z pinch. 366530
Bacher, A.D.
Two-photon decays of pionic carbon. 354252
Bachkin, S.
Reproducibility and accuracy in the production and thickness measurement of evaporated carbon films. (LA – 6850-C) 370774
Bachman, S.
Radiolysis of aqueous solutions of ribose-5-phosphate. The effect of pH. 375673
Bachmann, G.
Testing, start-up and acceptance of the Biblis B reactor protection system. 370846

Bachner, D.
Radiation exposure and radiation risk due to inhalation or ingestion of actinides. (GRS - 1) 370639
Studies for a comparison of the maximum possible consequences of accidents in a reprocessing plant and a nuclear power station. 351684
Bachschi, N.M.
Investigation of Bremsstrahlung-induced reactions on nuclei of masses A = 27-238 in the range of the photon energies from 450 MeV to 2.2 GeV. 364759
Bachtin, A.
Quadrupole mass spectrometer type QSM. 374376
Bachurzewski, J.
An analysis of injuries due to irradiation of keloids with Roentgen rays in children. 373569
Bacilieri, P.
Automatic analysis of BEBC pictures using the flying spot digitizer. 355497
Bacis, A.
Analysis of singlet and triplet systems of yttrium hydride, YH and YD. 358710
Baciu, G.
Photoactivation analysis of impurities in zirconium oxide. 375265
Back, B.B.
Island of high spin isomers near N = 82. (ZfK - 336) 364811
Island of high-spin isomers near N = 82. 367001
Back, N.L.
Analyzing power in the ^{207}Pb(p vector,p_0)^{207}Pb reaction near the ^{3}P/sub 1/2/ isobaric analog resonance. (RLO/1388 - 362) 372699
Back, R.A.
Radiation chemistry of acetylene at high intensity: the initial product distributions. 362289
Backe, H.
Backbending behaviour of rotational bands in ^{163} ^{165} ^{167}Yb. 362094
Backbending behaviour of rotational bands in ^{163}Yb, ^{165}Yb and ^{167}Yb. (ZfK - 336) 364820
In-beam-spectroscopy of subnanosecond delayed conversion electrons with a new recoil shadow technique. (ZfK - 336) 364738
Magnetic hyperfine anomaly in muonic ^{193}Ir. 364802
Positron production in superheavy ion-atom collision systems. 353181, 376966
A search for positron emission from atomic collision processes. (ZfK - 336) 364737
Backe, S.
A study of ^{15}N by use of the reaction ^{13}C(^{3}He,p)^{15}N. 372804
Backenstoss, G.
Evidence for bound states in the anti pp-system. 377811
Evidence for narrow bound states related to the panti p system. 377817
Measurement of the circular polarization of muonic Ksub(α) X-rays in Se and Pd. 361330
Particle physics and exotic atoms. 356387
Pion absorption by ^{3}He. 377963
Study on antiprotonic atoms of light nuclei and isotopes. 371523
Backer, L. de
Verification of groundwater flow velocity and direction models. (IAEA-R - 1645-F) 357441
Backhaus, L.
Constitutional questions of the decision of the OVG Muenster concerning the Kalkar proceedings. 376825
Backx, C.
Detection of surface complexes by HRELS: C_2H_2 on W(110). 369900
Infrared vibration spectroscopy of molecular adsorbates on tungsten using reflection inelastic electron scattering. 362371
Rehybridization of C_2H_2 chemisorbed on W(110). 378206
Bacon, D.J.
Effect of helium-ion injection on graphite crystals. 373379
Microyielding in tantalum single crystals. I. Microflow parameters. 362391
Microyielding in tantalum single crystals. II. High-amplitude damping. 362392
Bacon, M.P.
Distribution of some chemical elements between dissolved and particulate phases in the ocean. Period covered: August 1, 1976 - October 31, 1977. (COO - 3566-19) 379302
Paleomagnetism and radiochemical age estimates for Late Brunhes polarity episodes. 357455
Bacon, T.C.
Partial-wave analysis of $K^-p \rightarrow \pi^0\Lambda(1520)$ between 1710 and 2170 MeV c.m. energy including new data between 1775 and 1960. 372507
Study of the reactions $K^-p \rightarrow K^+K^-\Lambda$ and $Kp \rightarrow$panti pΛ, at 10 and 16 GeV/c. 353978
Baconnier, Y.
Extraction from the CERN SPS. 363148
Bacquet, G.
Temperature dependence of the cubic splitting of Gd^{3+} EPR spectrum in single crystal ThO_2:b_4^0 as a funciton of inter-ionic distance. 377274
Bacry, H.
A set of wave equations for massless fields which generalize Weyl and Maxwell equations. 368518
Bacskay, G.
Generalisation of the finite-element and R-matrix methods. 374632
Badaev, Yu.B.
Binary molybdates of aluminium, gallium, indium, chromium, iron and bismuth with monovalent silver and thallium. 351541
Badalyan, A.M.
Unitarity relationship and phase shift analysis in a resonance-particle system. 356460
Badalyan, G.V.
Aragats arrangement for the investigation of characteristics of high-energy cosmic ray muon flux. (EFI - 129(75)) 350283
Performances of Aragats spectrometer magnet. (EFI - 128(75)) 350284
Badawi, M.H.
A study of silicon oxides prepared by oxygen implantation into silicon. 350707
Badawy, I.
Flow of gases under high vacuum and high voltage in presence of ion beams. 370743
Badawy, O.E.
Nucleon isobar production in proton-nucleon collision at 6 GeV/c incident proton momentum. 372504
Badea, M.
On the structure of the groundstate bands in terms of coherent states. 354100
Upon an elementary way to derive a closed formula for the Bogoliubov boson transformation. 377272
Badelek, B.
On the two-nucleon enhancement associated with high momentum tail of the spectator in the deuteron break up. (JINR-D - 1,2-9342) 356479
Bader, R.
A whole body counter for the detection, identification and localization of incorporated radionuclides over a wide range of energies and intensities. 355026
Bader, S.D.
Electron and phonon properties of A-15 compounds and Chevrel phases. 373187
Badertscher, N.L.
Effects of fusion reactor size and availability on utility operations. 377339
Badescu, R.
Magnetoviscosity of ferrofluids. 355969
A new aspect of the movement of ferrofluids in a rotating magnetic field. 355970
Badescu, V.
A new aspect of the movement of ferrofluids in a rotating magnetic field. 355970
Badhwar, G.D.
Cosmic-ray antiproton flux: an upper limit near that predicted for secondary production. 372118
A magnetic spectrometer for cosmic ray studies. 374321
Badiak, R.
On-line display aids for the automated measuring of bubble chamber film at Fermilab energies. 352816
Badiar, S.
Methods of measuring and evaluating data from the R3E 100 mm dia. experimental fuel element. 350247
The results of measurements and evaluation on experimental G-type and S-type elements. 350246
Technique of measuring and evaluating the R3E dia. 112 experimental fuel element. 350245
Badica, T.
Gamma-gamma angular correlations in ^{151}Sm. 356691
Properties of the 635.4 keV level in ^{171}Tm. 375157
Badiello, R.
Radiation chemical evidence for differences in the amino-acid composition of yeast and horse-liver alcohol dehydrogenases. 376073
Selenium dioxide free radicals: a study by pulse radiolysis. 359810
Bading, J.R.
^{35}Cl, ^{37}Cl and ^{36}Ar(n,d) reactions at 14.1 MeV. 351400
Badolato, G.
The development of an integrated nuclear fuel-cycle industry to meet the needs of the Italian nuclear power programme. 368439
Badralexe, E.
Random phase approximation in the study of spherical nuclei. 376939
Some fundamental aspects of RPA approach and its relation with the nucleus structure. 377930
Upon an elementary way to derive a closed formula for the Bogoliubov boson transformation. 377272
Badtke, D.H.
Search for narrow resonant states in e^+e^- collisions near 6 GeV. 351208
Badur, A.
Consequences of ultimate sequences of HTGRs. 352189
Results of critical evaluation of the AIPA study. 370970
Badyal, S.K.
Charged particle multiplicity in 400 GeV/c p-nucleus interactions in nuclear emulsion. 372498
Baeckenstoss, G.
Measurements on light antiprotonic atoms. 376976
Baecker, A.
Evidence for the tau → γrhoπ decay mode. 372500
Measurement of the branching ratios for the decays J/psi(3.1) → fω and J/psi(3.1) → Bπ. 372506
Measurement of the J/psi radiative decay into f°(1270)γ. 377779
Baedecker, P.A.
Application of epithermal neutron activation in multielement analysis of silicate rocks employing both coaxial Ge(lI) Ge(Li) and low energy photon detector systems. 364843
The precision and accuracy of iterative and non-iterative methods of photopeak integration in activation analysis, with particular reference to the analysis of multiplets. 372834

Baehr, W.
Recent experiments on the treatment of medium level wastes and spent solvent and on fixation into bitumen. 358466
Baer, A.
Incorporation of radioactive wastes into heat-hardened resins. 358467
Baer, M.
Electronic nonadiabatic transitions in the reactive ($Ar^+ + H_2$, $Ar + H_2^+$, $ArH^+ + H$) system. Numerical results for the collinear configuration. 353182
Incorporation of electionically nonadiabatic effects into bimolecular reactive systems. II. 355925
Baer, M.B.
Component design description of the neutral beam injectors for PLT. (CONF-771029 – 43) 371907
Baer, T.
Dissociation of energy selected ions by threshold photoelectron-photoion coincidence. 355881, 377028
Baer, Y.
Electronic structure of CeN studied by x-ray-photoemission spectroscopy. 367286
5s-electron excitation energies in the rare-earth metals. 359936
Baeri, P.
Feeding-in and blocking phenomena explained in terms of a simple diffusion model. 363950
Laser pulse energy dependence of annealing in ion implanted Si and GaAs semiconductors. 377276
Baertschi, P.
Probabilities of muon induced nuclear reactions involving charged particle emission. 372832
Radiochemical investigation of the mass distribution and probability in stopped μ^- induced fission of ^{238}U. 372700
Baes, C.F. Jr.
The oxide chemistry of niobium in molten LiF-BeF_2 mixtures. 357070
Precision emf measurements on protolytic equilibria with the hydrogen electrode above 100 C. 375514
Baetsle, L.H.
Head-end and nuclear gas purification research on LMFBR fuel reprocessing in Belgium. (IAEA-AG – 63-8) 362315
Treatment and control of gaseous effluents from light water reactors and reprocessing plants. 358473
Baeuerle, W.
Criticality aspects for important components of reprocessing plants. 369829
Baev, A.K.
Analysis of kinetic clate of thermal decomposition of dodecacarbonyltriosmium on metals of insert periods. 369587
Baev, B.V.
New high-current relativistic electron beam accelerators at the I.V. Kurchatov Institute of Atomic Energy. (IAEA – 200) 364164
Baev, V.K.
New approach for calculation of optimal characteristics of a linear accelerator. (INIS-mf – 3909) 374043
Baeverstam, U.
A high Luminosity electrostatic spectrometer for conversion electron Moessbauer spectroscopy. (USIP – 77-23) 353400
Baeyens, W.
Modification in nucleocytoplasmic transport of RNA in vitro after whole-body X-irradiation. 367481
Baez, A.P.
Aquatic organism contamination by mercury residues in the Coatzacoalcos river estuary, Mexico. 380161
Baffi, F.
Determination of trace amounts of zirconium in silicates by cation-exchange chromatography and spectrophotometry with xylenol orange. 364890
Ion-exchange separation and spectrophotometric determination of trace amounts of niobium in silicate rocks. 359562
Bagaev, S.A.
Model of excitation energy transfer between HeI N=5 levels in inelastic collisions of excited atoms with normal. 358843
Bagaev, V.I.
How axial are the "axial" nuclei. (ZfK – 336) 364646
Bagarat'yan, N.V.
Mass-spectrometric study of evaporation of potassium, rubidium and cesium nitrates. 378207
Bagawde, S.V.
Sulphate complexing of some trivalent actinides. 369760
Thiocyanate complexing of Np(IV) and Pu(III). 375654
Bagchi, G.
Regulatory aspects of structural evaluation of existing spent fuel pools for high-density storage. 358052
Bagdasarov, K.N.
Using some oxyanthraquinones for extraction-photometric determination of cerium(3) and yttrium(3). (INIS-mf – 4192) 378089
Bagdasarov, Kh.S.
High temperature spectroscopy of monocrystals of refractory oxides. (INIS-mf – 3955) 378304
Luminescent-generation properties of Nd^{3+} ions in $YGaO_3$ and $Y_3Ga_5O_{12}$ crystals with garnet structure. (INIS-mf – 3955) 362164
Bagdasarov, R.Eh.
Monitoring the reactivity of highly undercritical reactors by means of reactimeters and the source analog correction. 358090
Bagdasarov, Yu.E.
The principal approaches to the problem of nuclear power plant safety in the USSR. 370612
Safety of sodium-cooled fast reactors. 370527
Bagdasarova, I.G.
Ionization of rare gases in ion-atom collisions in the energy range 0,25-4 kev. (INIS-mf – 3915) 348696
Production of slow cations on ion-atom collisions of rare gases in the 0,25 – 4 KeV energy range. (INIS-mf – 3915) 348697
Bagdasaryan, L.S.
Bistilbenes as mixers for plastic scintillator luminescence spectra. 361021
Electronic priority distributor. (EFI – 122(75)) 350352
Facility for experiment on the investigation of charge composition of primary cosmic radiation in the energy range 20-10000 GeV/nucleon by the XTR-detector. (EFI – 177(23)-(76)) 350285
Bagdavadze, N.V.
Technique for producing neutron activation detectors. (Soviet patent document 348109/A/) 355492
Baggaley, W.J.
Hollow meteor trains. 364274
The meteoric night-glow. 356178
Bagge, E.
Fast neutron radiography for extended objects by a plastic detector technique. 368273
Isodose determination by X-ray computer tomography in connection with the application of energetic gamma rays. (German (F.R.) patent document 2552018/A/) 370686
Bagger, C.
Performance evaluation of UO_2-Zr fuel in power-ramp tests. 365828
Baggett, D.W.
Excitation and ionization of ions by electron impact. Technical progress report, September 1, 1976 – May 31, 1977. (ORO – 3027-38) 361355
Baggio, R.F.
Crystal structure of ferroelectric guanidinium uranyl sulphate trihydrate. 355940
Baginskij, V.M.
Ferroelectric phase transition in Pbsub(1-x)Snsub(x)Te. 377311
Bagirov, S.B.
Investigation of In_2Se_3 by the x-ray diffraction and thermographic methods. 359924
Bagirov, Sh.A.
Synthesis of new binuclear cluster rhenium compounds. (INIS-mf – 4040) 378208
Bagiyan, G.A.
Determination of the H^3-mexamine content in the organism and liver cells of mice. 360271
Baglej, R.I.
25 deg C isotherm of solubility and physico-chemical properties of saturated solutions of the sodium B-paratungstate-potassium-B-paratungstate-water system. 375418
Bagley, K.Q.
UK irradiation experience relevant to advanced carbide fuel concepts for LMFBR's. 379727
Baglin, P.
A spectrometer for gaseous studies in the soft X-ray range. 371151
Bagnall, C.
Topographical, microstructural and chemical effects of simulated high heat flux on the corrosion of Type 316 stainless steel in flowing sodium. 354461
Bagolia, C.
The Dhajala meteorite shower: atmospheric fragmentation and ablation based on cosmic ray track studies. 350977
Bagotskaya, I.A.
Effect of nature of metal on the structure of double electrical layer in dimethyl sulfoxide. 369623
On effect of specific interaction of solvent with electrode metal on structure of double electric layer and adsorption. 375407
Bagratashvili, V.N.
The application of a high pulse repetition rate CO_2 laser with high average power for isotope separation by molecular dissociation in a strong IR field. 355067
Bagreev, V.V.
Composition of tantalum and niobium complexes extractive by amines from fluoride solutions. 351517
Extraction-photometric determination of tantalum with chromethylpyrazol. (INIS-mf – 4191) 375264
Method for molybdenum extraction. (Soviet patent document 456792/A/) 375398, 375618, 375619
Bagrintsev, M.I.
Geophysical exploration study of gas wells in Medvezh'e field. 349612
Bagrov, V.G.
Effect of a strong electromagnetic wave on radiation of weakly excited electrons moving in a magnetic field. 348573
Some properties of correct solutions in the problem of an electron in a quantized plane-wave field. 368519
Bagus, P.S.
Structure and energetics of simple carbenes CH_2, CHF, CHCl, CHBr, CF_2, and CCl_2. 378210
Theoretical study of the site dependence of the surface vibrational frequencies of H adsorbed on a Be surface. 369901
Bagwe, B.A.
Thyroid disorders and the distribution of orally administered radioiodine. 376129
Bahadur, J.
Environmental isotopes approach for study of groundwater in semi-arid regions of Rajasthan and Gujrat. 370272
Filtration velocity determination by borehole dilution method in Rajasthan. 370273
Radiation techniques for monitoring the deep drainage in irrigated wheat fields. 370271

Radiotracer experiment for effective porosity determination of quaternary aquifer at Setalao, Rajasthan. 370278
Soil moisture movement and groundwater recharge by tritium tracer tagging technique. 367350
Bahadur, Jagdish
Experience in the use of nuclear gauges for subsurface investigation at river valley projects in India. 367393
Bahar, L.Y.
Optimal digitization of earthquake records. 355690
Baharie, E.
Neutron powder diffraction from samples frozen with quartz wool: hexafluorobenzene. 361418
Bahcall, J.N.
The effect of variability on the V/Vsub(MAX)-test. (WIS-PH – 77/41) 364276
The Hubble diagrams for quasars. 366662
Mass determination of Hercules X-1. 350978
Neutrino absorption cross sections for ^{37}Cl with applications. 359048
On the distinction between density and luminosity evolution. (WIS-PH – 77/44) 364275
Solar neutrinos. 377588
Star distribution around a massive black hole in a globular cluster. II. Unequal star masses. 359047
Status of the study of ellipsoidal light variations in 3U0900-40 and other x-ray binaries. (CONF-7510169 –) 364273
Zeeman splitting of X-ray lines by neutron-star magnetic fields. 359157
Bahcall, N.A.
Density profiles of clusters of galaxies. 369021
Bahl, J.K.
Fabrication and post-irradiation examination of a zircaloy-2 clad UO_2-1.5 wt% PuO_2 fuel pin irradiated in PWL, CIRUS. (BARC – 918) 374178
Bahnemann, D.
Free radical oxidation of organic sulphur compounds. 357131
Bahner, C.T.
Impurities that cause difficulty in stripping actinides from commercial tetraalkylcarbamoylmethylphosphonates. (ORNL/TM – 5878) 362316
Bai, T.
Backscatter of hard x-rays in the solar atmosphere. (N – 77 – 18984) 350979
Studies on solar hard x-rays and gamma-rays: Compton backscatter, anisotropy, polarization, and evidence for two phases of acceleration. (N – 77-24048) 361666
Baier, V.N.
On a possibility of the use of magnetic converters to produce polarized electrons and positrons at ultrahigh energies. 355072
Radiative effects in a plane wave moving along a magnetic field. 374547
Baig, M.M.H.
Comparative study of insecticide residues in rice plants. 379160
Baijal, J.S.
Temperature dependence of recoilless fraction in tungsten. 357245
Baikie, B.L.
Ultrasonic inspection of austenitic welds. (IWGFR – 10) 362352
Baikov, I.S.
Parametric instabilities produced by a relativistic electron beam in a plasma. 353514
Bailey, C.E.
Extending emergency response capabilities to estimate doses from gamma rays. (DP – 1455) 373595
Bailey, D.S.
Simulations of intermediate density laser fusion targets: recent progress in design and analysis. (UCRL – 80005) 374842
Bailey, D.T.
How engineering facilitates construction. 358109
Bailey, G.J.
A theoretical study of night-time field-aligned O^+ and H^+ fluxes in a mid-latitude magnetic field tube at equinox under sunspot maximum conditions. 354698
Bailey, H.S.
Benchmark analysis of liquid-metal fast breeder reactor nuclear design methods. 363512
Bailey, J.
Spectroscopy of protonium (proton-antiproton atom). (INIS-mf – 4267) 377782
Bailey, N.A.
A review of dryout data in SGHWR fuel bundle simulations. 376548
Bailey, P.B.
Sturm – Liouville eigenvalue problem. (SAND – 77-1621A) 368520
Bailey, P.G.
CHAP: a composite nuclear plant simulation program applied to the 3000 MW(t) HTGR. (LA-UR – 77-1757) 358264
Bailey, R.
Energy. The rude awakening. 374461
Bailey, S.M.
Lower-energy neutron sources for increasing the sensitivity of nuclear gages for measuring the water content of bulk materials. (US patent document 4,039,809/A/) 363084
Bailin, D.
SU(2) x U(1): a gauge theory of weak interactions. 366922
Baille, P.
Comparison of local exchange potentials for electron scattering by hydrogen molecules. 361332
Electron-molecule scattering at middle energies using different local exchange potentials. 358699
Note on local exchange approximations in electronic collisions. 358700
Baillie, M.G.L.
Absolute radiocarbon dating using a low altitude European tree-ring calibration. 356971
Baillie, T.A.
A non-enzymic procedure for the quantitative analysis of (3-methoxy-4-sulphoxyphenyl) ethylene glycol (MHPG sulphate) in human urine using stable isotope dilution and gas chromatography-mass spectrometry. 351448
Specific deuterium labeling and computerized gas chromatography – mass spectrometry in studies of the metabolism and turnover of steroid sulfates in pregnant women. 352083
Baillon, P.
Anti pp and pp forward elastic scattering between 4 and 10 GeV/c. 356513
Bailly, J.
European in-pile investigations of fast breeder reactor safety. 371006
Safety test facilities. Needs and concepts. A French evaluation. (CONF-761001 – P1) 363031
Baily, N.A.
Multiwire proportional counter designed for microdosimetric studies. 366006
Bain, A.S.
CANDU fuel – fifteen years of power reactor experience. (AECL – 5711) 360936, 365961
Bain, J.H.C.
Uranium mineralization associated with late Palaeozoic acid magmatism in northeast Queensland. 375965
Bainbridge, G.R.
Advanced gas-cooled reactor has good energy prospects. 352666
Development status and performance of the AGR line. 376541
Bainum, D.E.
High intrinsic efficiency, time-compensated scintillation detector. 368280
Isospin dependence of experimental nuclear deformations. 351329
Baiquni, A.
First steps toward a nuclear power program: the Indonesian experience and prospects. 360869
Bair, V.L.
Diminiode thermionic conversion with 111-iridium electrodes. (N – 76-33991) 361754
Baird, A.K.
X-ray fluorescence geochemical analysis on the surface of Mars, ch. 4. 374306
Baird, J.K.
Comment on "Probability of escaping neutralization when the mobility is field dependent". 367160
Kinetics of electron capture by SF_6 in solution. 362244
Physics of solids and macromolecules. (ORNL – 5171) 367226
Baird, R.J.
High energy absorption-porous beryllium and the process for producing it. 357209
Baird, S.
Scattering of polarised and unpolarised ^3He by ^3H and high excitation in ^6Li. 372825
Baird, T.
Radiation damage processes. 373070
Baird, T.J.
Negative meson capture in hydrogen. 363868
Bairiot, H.
Analysis of transients in a LWR core with a simple model (CARREAU code). 370890
Performance and reliability of light-water reactor fuel. 365996
Bairrio Nuevo Junior, A.
Directional correlation studies of gamma transitions in ^{69}Ga and ^{71}Ga. (IEA – 475) 351260
Multipole admixture delta(E2/M1) of gamma transition in ^{69}Ga. 354257
Multipole admixture delta(E2/M1) of gamma transition in ^{71}Ga. 354256
Baisch, H.
Effects of daunomycin and radiation on cell-survival and repair of DNA single-strand breaks. 349691
Baisden, P.A.
Search for superheavy elements in the bombardment of ^{248}Cm with ^{48}Ca. 351372
Baisogolov, G.D.
A method of monolayer cultures of the guinea pig spleen used to evaluate the radioprotective action of mexamine on the survival of colony-forming cells. 360218
Baixeras, J.
Experimental evidence for electron correlation effects in hopping conduction at low temperatures. 359894
Transport properties of superconducting and nonsuperconducting sputtered thin films of Nb – N (critical field). 360007
Bajaj, J.K.
Weak radiative decays of hyperons and charmed baryons in SU(4) and SU(8). 359322
Bajbakov, D.P.
Corrosion of nickel in potassium and sodium chloride melts containing vanadium trichloride. 369820
Bajbakov, V.D.
Simplified determination of average neutron yield per thermal neutron absorbed in light water-uranium lattice. 358034
Bajborodov, Yu.T.
Physical principles and design of the T-9 tokamak. (IAE – 2443) 364175

Bajdina, I.A.
Crystal structure of $NH_4Er_3F_{10}$, the four-layer cationic skeleton of "fluorite" type. 367112
X-ray structural investigation of boratofluoroberyllates with the composition $MBe_2(BO_3)F_2$ (M = Na, K, Rb, Cs). 356993
Bajer, F.V.
Compact groups of compact galaxies. 6. 377589
Bajer, V.N.
Anomalous magnetic moment of electron in a magnetic field. 348574, 355721
Interaction between a photon and an intense electromagnetic wave. 353034
Operator approach to quantum electrodynamics in an outer field. (JINR-D – 1,2-9342) 355722
Bajgarin, K.A.
New high-current relativistic electron beam accelerators at the I.V. Kurchatov Institute of Atomic Energy. (IAEA – 200) 364164
Bajgubekov, A.S.
Gamma guanta families from a dense target and their inter. 361662
Bajkalov, S.N.
Radiative capture cross-sections of fast neutrons by ^{197}Au nucleus. (INIS-mf – 3897) 356736
Bajnova, S.V.
NMR study into reactions of vanadium- and tungsten oxohalogenides with alcohols. 369608
Bajo, S.
Probabilities of muon induced nuclear reactions involving charged particle emission. 372832
Bajpai, R.P.
Condensation of Pd on W(110) single crystal plane. 368866
Bajrachnyj, B.I.
Measurement of capacity of double electric layer on niobium in nitrate solutions. 378199
Bajshchev, I.S.
Sensitivity of a boron counter in a moderator to high energy hadrons. (INIS-mf – 3846) 350286
Bajzer, Z.
Clinical evaluation of the new mathematical lung model for sup(81m)Kr inhalation. (INIS-mf – 4010) 367713
A simple mathematical lung model for quantitative regional ventilation measurement using $^{81}Krsup(m)$. 349804
Bak, P.
Fluctuaton-induced first-order phase transitions studied by the Monte Carlo technique. 360047
Bakaev, D.S.
Collisions of excited and nonexcited atoms in an external magnetic field. (INIS-mf – 3915) 348640
Bakaev, V.V.
A circulation neon purification system for spark chambers. 357915
Bakaj, A.S.
Interaction of a supercritical initial velocity beam with finite amplitude waves. 368915
Bakakin, V.V.
X-ray structural investigation of boratofluoroberyllates with the composition $MBe_2(BO_3)F_2$ (M = Na, K, Rb, Cs). 356993
Bakale, G.
Electron attachment to nitro compounds in liquid cyclohexane. 369774
The influence of nonelectronegative molecules on the mobility of excess electrons in liquefied rare gases and tetramethylsilane. 359807
Negative ion-molecule reactions in liquid argon following electron capture by N_2O. 362245
Bakalik, D.P.
Micellar catalysis of radical reactions. A spin trapping study. 375674
Bakalov, T.
Multilayer ionization fission chamber with cooling of the fissile targets down to 77°K. (LA-tr – 77-35) 358338
Bakalska-Nesheva, M.
Ultrastructural changes in ovarian cells after X-ray irradiation following inhibition of cholesterol synthesis. 379010
Bakalyar, D.M.
Susceptibility of solid ^3He near the ordering temperature. 366788
Bakardjiev, I.
Dealkalization of glass surfaces by aqueous acid treatment. 375560
Bakeev, N.F.
Determination of oriented polyethylene melting point. 354453
Bakemeier, R.F.
Synergistic tumorigenic effect of procarbazine and ionizing radiation in (BALB/c x DBA/2)F_1 mice. 357574
Baker, A.R.
Safety considerations in the fast reactor fuel cycle. 370528
Baker, C.
Measurement of γ'precipitates in nimonic PE16. (CEGB-RD/B/N – 4125) 365135
The migration of intragranular fission gas bubbles in irradiated uranium dioxide. 373332
Baker, C.C.
Engineering aspects of magnetic confinement fusion power development. 377340
Baker, D.A.
Consequences of postulated losses of LWR spent fuel and plutonium shipping packages at sea. (PNL – 2093) 379465
Evaluation of the consequences of LWR spent fuel and plutonium shipping package loss at sea. 350022
Population dose commitments due to radioactive releases from nuclear power plant sites in 1975. (PNL – 2439) 379089
Proposal for the ZT-40 reversed-field Z-pinch experiment. (LA – 6625-P) 364165
Baker, D.G.
Effect of dose rate on production of early and late radiation damage in mouse skin. 367482
Baker, D.N.
Relationship of energy flow at the magnetopause to geomagnetic activity. 373453
Baker, E.G.
Continuous and grab sampling determinations of radon concentrations. (HASL – 325) 378899
Radon concentrations in contaminated and uncontaminated premises in two Ontario towns. (HASL – 325) 378900
Baker, E.J.
Impact of offshore nuclear generating stations on recreational behavior at adjacent coastal sites. (NUREG – 0394) 379213
Baker, F.T.
Nuclear shapes of ^{24}Mg and ^{28}Si by inelastic scattering of ^{12}C and ^{16} ^{18}O. 364766
Sensitivity of (α,α') cross sections to excited-state quadrupole moments. 354139, 372701
Systematics of M_{04} values in the rare-earth region. (ZfK – 336) 364715
Baker, G.A. Jr.
A comment on a paper of Hamer applying Pade approximants to A1 + 1 dimensional lattice model of QCD. 363756
Critical and tricritical behavior in the hierarchical model. 358859
Baker, J.A.
Phosphorous doping of floatzone silicon by thermal-neutron irradiation. 358311
Baker, J.D.
Absolute γ-ray branching and half-life of ^{250}Bk. (BNL-NCS – 22500) 356768
Reports to the ERDA Nuclear Data Committee. (BNL-NCS – 22500) 356685
Baker, K.B.
Particle acceleration in axisymmetric, magnetized neutron stars. (N – 77-26044) 369022
Baker, L.
Electron beam driven implosions. (SAND – 77-1506C) 371733
REB propagation and combination in plasma channels. (SAND – 77-1548C) 368974
Baker, L. Jr.
Core debris behavior and interactions with concrete. (CONF-770817 – 5) 367733
Heat removal from molten fuel pools. (CONF-761001 – P4) 362856
Interactions of LMFBR core debris with concrete. (CONF-761001 – P4) 362857
Post-accident heat removal in LMFBRs. (GEFR-SP – 023) 373821
Production of molten UO_2 pools by internal heating: apparatus and preliminary experimental heat transfer results. 367741
Studies of the formation and cooling of particulate fuel debris beds in sodium. (CONF-761001 – P4) 363016
Baker, M.
Design and performance of an 8 cm thick intrinsic germanium detector telescope. 363559
Double scattering in deuterium as a probe of hadron structure. 351138
Baker, R.C.
Tests on flux distortion flowmeters using an analogue rig to simulate flow with a boundary layer. 366044
Baker, R.D.
A partial-wave analysis of world data for the reaction $\pi^-p \rightarrow K^0\Lambda$ from threshold to 2350 MeV/c. 353760
Baker, R.E.
Low energy γ-ray observation of NGC4151. 359075
Baker, R.J.
Biliary scanning with /sup 99m/Tc pyridoxylideneglutamate. The effect of food in normal subjects: concise communication. 352084
Baker, R.T.K.
The behavior of silver particles supported on graphite in various gaseous environments. 365215
Baker, W.D.
Effects of neutron irradiation on the characteristics of a buried channel CCD at 80°K and 295°K. (N – 77-14540) 374389
Baker, W.R.
Update on the development of 120-keV multi-megawatt neutral beam source. (LBL – 5900) 365745
Bakhadyrkhanov, M.K.
Interaction of deep impurity atoms with radiation defects in silicon under gamma irradiation. 374665
Bakhanovich, L.A.
Evaluation of nuclear data on ^{241}Pu for the compilation of a complete file of constants. (INDC(CCP) – 113/U) 356805
Bakhareva, G.A.
Application of extraction chromatography to separation of indium from antimony and some other elements. 364839
Bakhmutova, T.N.
Effect of preliminary gamma irradiation of oxides on catalysis of homomolecular exchange of oxygen reaction. 373068
Bakhshetsyan, R.A.
Energy resolution of a scintillation counter with a large NaJ(Tl) crystal. 358337
Bakhtadze, A.K.
Approximate calculation of the electron spatial distribution function in an electron-photon shower without taking into account ionization losses. 353664
Cascade development in different media. 361661
Bakhtadze, I.G.
Radiation-catalytic processes in some microheterogeneous systems.

373071
Bakhtadze, L.V.
Application of electronic multiplie CO-I for determination of main component in copper-I and baryte ores and products of their enrichment. 354639
Bakhterev, V.V.
Determination of rock density by induced radioactivity method. 367352
Results of test exploitation of well-type stabilized gamma spectrometer. 357442
Results of testing a gamma-spectrometric activation method for quantitative determination of copper in the Ural fields. 351917
Some characteristics of the gamma-spectrometer stabilization system with a light diode as a source of datum signal. 367351
Bakhtin, V.P.
Modeling of an inertial system with gas-kinetic confinement of magnetized plasma. (INIS-mf – 3963) 371715
Bakhtiyarova, T.N.
Disproportionation of neptunium (6) in sodium hydroxide hot solutions. 362232
Bakhturova, N.F.
Atomic absorption determination of main composition of semiconductor films. 375387
Bakich, A.M.
An empirical range-beta approximation. 374517
The Sydney University particle telescope. 371152
Bakke, J.C.
Bent crystal spectrometer for solar x-ray spectroscopy. 352823
Bakker, B.L.G.
On pseudoresonances: nonresonant Argand loops. 353035
The single-scattering contribution to πD elastic scattering at low and intermediate energies. 362052
Bakker, C.N.M.
Labelled chloroquine analogs for the detection of ocular melanoma. (INIS-mf – 4010) 362227
Bakker, H.
Measurements of diffusion coefficients of ^{60}Co in the intermetallic compound CoGa. 348849
Radionuclide evaluation of bone maturation in patients with para-osteo-arthropathy (P.O.A.). (INIS-mf – 4010) 357691
Bakker, H.J.
Gas – liquid chromatographic determination of total inorganic iodine in milk. 378090
Bakker, W.H.
Technetium scanning in orbital disease. 365484
Baklakov, B.A.
The NAP-M proton storage. 379481
Baklanov, V.G.
Use of geophysical methods for determination of physico-mechanical properties of coal-bearing rocks in wells of the Vorkutskoye field. 367366
Baklanova, P.F.
Complexometric determination of trivalent rare earths and actinides with diethylene-triaminepentaacetic acid. 367059
Bakos, K.
Studies of calcium absorption in man using a CD-2 whole-body counter. 354916
Bakosh, J.
Three-photon ionization of helium metastable atoms. 348641
Bakradze, T.S.
Evaluation of real errors in cosmic ray data automation of the data acquisition and primary computer processing. 357524
Bakshaev, Yu.L.
Transport and focusing of high-current relativistic electron beams onto a target. (IAEA – 200) 353515
Bakshi, S.
Indium chloride bone-marrow scanning in advanced prostatic carcinoma. 357635
Baktash, C.
Reorientation measurements on tungsten isotopes. 366999
Baktybaev, K.B.
Study on correlations of parameters of the optical potential of 38 MeV alpha particle elastic scattering on sup(68)Zn. 377861
Bakulin, E.A.
Plasmon energy and interatomic interaction. 361419
Bakulin, S.S.
Thermal conductivity of carbon dioxide at temperature 220-1300 K and pressure till 300 MPa. 378794
Bakuma, S.F.
Experience manufacturing and properties of the high-strength corrosion-resistant magnetic 03Kh12K12D2 steel. 375831
Bakumenko, O.D.
BN-350 reactor shielding studies. 368195
Physical characteristics of fast power reactor fuel and their effect upon the fuel cycle. 368196
Physical characteristics of spent LMFBR fuel. (IAEA-AG – 63-13) 363486
Bal, K.D.
Fission track annealing and age determination of chlorite. 376015
Bal'shin, M.S.
Improvement of rotor-pulsation apparatuses for machining of high-abrasive media. (INIS-mf – 3914) 349572
Bal'zhinev, S.A.
Phase composition and structures of alloys of RCo_5 type with alloying elements. 349558
Bala Prasad, V.
Effect of sudden suction on the hydromagnetic natural convection from a vertical plate. 350772
Balabanov, N.P.
(n, α) reaction for deformed and transition nuclei. (INIS-mf – 3897) 354140
Balachandran, A.P.
Gauge vacuums and the conformal group. 363746
Monopole theories with strings and their applications to meson states. 353036
Balagh, H.C.
Observation of μe events in antiv and ν interactions in the Fermilab 15' neon-H bubble chamber. (LBL – 6728) 364559
Balagurov, A.M.
Diffraction measurements by the time-of-flight method using a variable channel width. (JINR – 10-9683) 377157
Balakhanov, K.G.
Co-adsorption of tertbutyl amine and tertbutanol and its effect on rate of cadmium deposition on amalgam dropping electrode. 378354
Balakhovskaya , M.B.
Transformation kinetics of supercooled austenite in 12Kh1MF steel. 369902
Balakhovskaya, M.B.
Investigation into kinetics of mechanical properties change of steel-St3 after high-temperature aging. 375813
Balakin, A.A.
Scavenging of localized and quasifree electrons in liquid hydrocarbons (extended abstract). 362247
Thermal emission of excess electrons from liquid hydrocarbons. 362246
Balakin, V.L.
Investigation into formulation of iron corrosion product deposition on the surfaces of steam generating channels. 365084
Balakina, N.A.
Sulfide phase in the Fe-Ti-S and Fe-C-Ti-S alloys. 378679
Balakirev, A.N.
Motions of near polar K-giants along the z-coordinate. 369023
Balakireva, V.B.
Physicochemical properties of solid electrolytes based on rare earth oxides. (INIS-mf – 4189) 375527
Balakrishna, S.
Exploration techniques for ground water – proceedings of a workshop organised by COSTED. 375964
Balakrishnan, M.R.
Innovations in PHWR design, integration of nuclear power stations into power systems, and the role of small nuclear power plants in a developing country. 371001
Balakrishnan, P.V.
Model boiler studies on deposition and corrosion. (AECL – 5801) 359820
A radiochemical technique for the study of dissolution of corrosion products in high-temperature water. 359819
Balakshev, Yu.F.
Delayed neutron spectrometer characteristics. (FEI – 683) 350315
Balalaev, V.E.
Shift of frequency of hyperline transition Δmsub(F) = 0 of H atom basic state in its's chemical interaction with gase form molecules. (INIS-mf – 3915) 350619
Balalaev, Yu.F.
Study of increasing the fatigue resistance of steels and welded joints using ultrasonic method on samples with neck or thread type notches. (INIS-mf – 3914) 349438
Balalykin, N.I.
Uranium-238 films for targets. (JINR-R – 13-9783) 363111
Balamuth, D.P.
Angular correlation study of levels in ^{16}C. 356692
Electromagnetic decays of T = 2 states in T/sub z/ = 1 nuclei. 364739
Balan, T.R.
Investigation of behaviour of the hexanite-R during microcutting of titanium and steel. 349414
Balandikov, N.I.
A circulation neon purification system for spark chambers. 357915
Balandin, Yu.F.
Way of treatment of molybdenum-base alloys. (Soviet patent document 437811/A/) 375814
Balankin, S.A.
A method for determining the thermodynamic properties of reactor materials at elevated temperatures. 357246
Balaramamoorthy, K.
Integrated planning for a fuel industry, with emphasis on the minimum size appropriate for fabricating one's own fuel. 365829
Balashova, L.M.
Study of uranium (6) trioxide dihydrate reaction with aqueous solutions of sodium chloride. 362116
Balashova, N.A.
pH value effect on adsorption of sodium, thallium and cadmium cations on smooth nickel. 362194
Balashova, T.M.
Investigation into reaction of yttrium ions with amino benzyliden phosphonic acid. 369712
Balasubrahmanyan, V.K.
On the high energy proton spectrum measurements. 372156
Balasubramaniam, K.R.
Separation of caesium-137 from fission products using phosphotungstic acid. (BARC – 895) 375650
Balasubramaniam, N.
Special problems encountered in the design of 230 kV switchyards of coastal nuclear stations. 379449
Balasubramanian, K.R.
Studies on inorganic exchangers – ammonium phosphomolybdate (AMP) and ammonium phosphotungstate (APW). (BARC – 893) 375649

Balasubramanian, V.
$^{14}CO_2$-fixation and nitrate reductase activity in vivo in relation to hybrid vigour in maize. 367612
Balazs, L.A.P.
Baryonium mass spectrum in a planar bootstrap model. 369264
Meson spectrum in a simple planar bootstrap model. 361768
Planar bootstrap without the dual-tree approximation. 359224
Balbashov, A.M.
Sloping cylindrical domains in $YFeO_3$. 358906
Balcazar-Garcia, M.
^{3}He and ^{4}He spectroscopy using plastic solid-state nuclear track detectors. 368274
Balcerzak, C.
Assessment of radiation dose absorbed by hands of personnel exposed to gamma rays by means of TL dosimeters. 373889
Kinetics of the permeability of phosphate ions across the protozoans membranes and chromate ions through the human red blood cell membranes. 367550
Bald, M.
The impact on the employment situation of the construction and operation of power plants. 366120
Baldauf, G.
The application of highly intensifying foils on the basis of rare earths in X-ray diagnostic routine operations. (AED-Conf – 77-133-012) 352333
Baldeweg, F.
Application of the PRS 4000 type process computing system to the Rheinsberg nuclear power plant. 374181
Baldi, R.
Amplitudes and exchange mechanisms for K* resonances produced by the reactions $K^+p \rightarrow K^{*+}p$ at 10 GeV/c. 356488
Baldin, A.M.
Irradiation of the SKM-200 device in 17 GeV/c α-particle beam and the results of prelimenary analysis of αLi- and αNe-interactions. (JINR – 1-9280) 351206
Search for new resonances with the 'Photon' facility. (JINR – 1-9508) 376601
Baldin, B.Yu.
Relative yields of 25 GeV/c K^--mesons, antiprotons, and antideuterons during interaction of 70 GeV protons with nuclei. 369350
Baldin, S.A.
Device for absorption X-ray radiometric analysis. (Soviet patent document 493712/A/) 372835
Baldini Celio, R.
Coherent production in the dp interaction. (CNEN-LNF – 75-56(R)) 364647
Electron-positron bremsstrahlung at ADONE. A new limit for the existence of a heavy electron. 361767
Baldini, M.G.
Kinetics of ^{51}Cr-labelled platelets. 370430
Baldis, H.A.
Backscatter and beam refraction in underdense gas breakdown with nanosecond CO_2 laser. 350810
Non-linear interaction of intense CO_2 radiation with dense plasma. 348919
Baldo-Ceolin, M.
Muonless π^0-production by muon-neutrinos and -antineutrinos. 353962
Baldo, M.
A complete Lagrangian formulation of superconductivity. 353725
Balducci, G.
The heat of formation of the $YbAl_2$ compound. 375535
Baldwin, D.E.
Differential equation for Alfven ion cyclotron waves in finite-length plasma. (UCID – 17577) 364264
Baldwin, G.C.
Kinetics of stimulated Moessbauer emission in neutron-pumped krypton-83. (LA – 7004-MS) 373970
Baldwin, J.E.
NGC 6251, a very large radio galaxy with an exceptional jet. 356339
Phaseless aperture synthesis. 372119
The 6C survey. 366663
Baldwin, J.M.
Preparation of working calibration and test materials: uranyl nitrate solution. (PB – 267327) 356987
Baldwin, N.L.
Behavior of fission product gases in HTGR fuel material. (GA-A – 13723) 379693
Fission gas release from fuel particles and fuel rods. 365937
Study of tritium permeation through Peach Bottom Steam Generator tubes. (GA-A – 14376) 368184
Baldwin, R.P.
Chronoamperometric studies of hydrated electron photoemission and scavenging. 372948
Balea, O.
Diffusion of πsup(+-) mesons on D, ^{3}He, ^{4}He with a streamer self-shunted camera in a magnetic field. (CNEN-LNF – 75-41(R)) 363547
Balek, V.
Emanation thermal analys, a review. 369519
Emanation thermal analysis for characterizing diffusion properties of Ba-phthalate, -isophthalate and -terephthalate. 369520
Particle ratios and lepton production at large psub(T) in a simple parton model. 366822
Particle ratios at large transverse momentum in a simple parton model. 377705
Bales, T.T.
Brazed borsic/aluminum structural panels. (N – 77 – 18220) 351851
Balescu, R.
Microstructures (clumps) in turbulent plasmas. 358912
Balestra, F.
(πsup(+), ^{4}He) inelastic interaction at 110 and 160 MeV. 356489
(πsup(+),^{4}He) inelastic interaction at 100 and 160 MeV. 353928
Diffusion of πsup(+-) mesons on D, ^{3}He, ^{4}He with a streamer self-shunted camera in a magnetic field. (CNEN-LNF – 75-41(R)) 363547
Elastic scattering of πsup(+-)mesons on ^{4}He in the energy interval (68/208)MeV. 369385
New improvement in track localization in self-shunted helium streamer chamber. 355527
Phase shift analysis of the elastic scattering of pions on ^{4}He. (JINR-R – 4-10598) 375202
Baletskij, D.Yu.
On the nature of low-temperature 'phase' transition in SbSI ferroelectric-semiconductor. 358860
Balezin, S.A.
Effect of inhibitors on corrosion behaviour of stressed steel-20 in hydrochloric-acid and citric-acid solutions. 351659
Balfour, H.R.
Licensed operator requalification: Boon or Boondoggle. 358110
Balgavy, P.
PMR spectroscopy of Ca(II) complexes of ethylenediamine-N,N,N',N' – tetraacetic acid. 348719
Balian, R.
Frontiers in laser spectroscopy. 354350
Balint-Kurti, G.G.
The distorted wave infinite order sudden (DWIOS) approximation for the calculation of vibrationally inelastic molecular collision cross sections. 353232
Balint, A.
Examination of WF9 mutant sublines for lodging and fusarium resistance. 373700
Balis, M.E.
Treatment of hypoplastic anemia in mice with placental transplants. 379011
Balitrand, N.
A critical evaluation of the methods of evaluating the sequestration of chromium-labelled platelets. 354895
Balitskaya, L.G.
Radiation-vulcanized rubber mixture. (Soviet patent document 461934/A/) 378529
Balitskij, V.A.
Present state and long-term prospects of the radiation technique for sterilizing products used in medicine. 349825
Baljer, G.
Experimental investigations on the immunity development in irradiated mice after local and parenteral immunization with tetanus-toxoid. 354767
Ball, A.
Experiments on helium refrigerant at high speed of rotation. 360625
Ball, J.B.
Design status of a separated-sector cyclotron booster accelerator for the Holifield Heavy Ion Research Facility. (CONF-770313 – 82) 365752
Ball, S.J.
ORTAP: a nuclear steam supply system simulation for the dynamic analysis of high temperature gas cooled reactor transients. (ORNL/NUREG/TM – 78) 365911
Simulation of the response of the Fort St. Vrain high temperature gas cooled reactor system to a postulated rod withdrawal accident. (CONF-770708 – 1) 373798
Ballagny, A.
Fabrication and irradiation performance of French HTGR fuel. 368178
Ballantine, D.S.
Radiation treatment of waste water. 373971
Ballard, A.S.
Manufacturing method for a nuclear fuel rod. (German (F.R.) patent document 2625602/A/) 355326
Ballestrero, A.
Inconsistency between growing multiplicity of clusters and the data on sigmasub(el)/sigma sub(tot) in the uncorrelated-cluster models. 353756
Balley, R.E.
Nucleation and dynamics of vortices in type-II superconductors. (IS-T – 761) 351103
Ballini, R.
High spin levels in ^{58}Fe: ground-state and quasi-γ bands. 372723
Recent studies of high-spin states in the fp-shell nuclei. 356693
Ballintine, J.E.
Observations of Cygnus X-3 from a balloon-borne x-ray telescope. (CONF-7510169 –) 364396
Balloffet, Y.
Characteristics and behaviour of the fuel in the Phenix reactor. 368201
Ballou, J.E.
Accumulation and distribution of ^{85}Kr in rats exposed to ^{85}Kr atmospheres. (BNWL – 2100(Pt.1)) 360360
Early disposition of inhaled uranyl nitrate (^{232}U and ^{233}U) in rats. (BNWL – 2100(Pt.1)) 360302
Early fate of inhaled crystalline $^{239}Pu(NO_3)_4$ in rats. (BNWL – 2100(Pt.1)) 360301
Late effects of inhaled $Pu(NO_3)_4$ in rats. (BNWL – 2100(Pt.1)) 360300
Long-term effects of inhaled uranyl nitrate in rats. (BNWL – 2100(Pt.1)) 360303
Nondestructive analysis for ^{232}U and decay progeny in animal

tissues. (BNWL – 2100(Pt.1)) 360304
Preliminary studies in sheep exposed to ^{85}Kr atmospheres. (BNWL – 2100(Pt.1)) 360298
Retention of ^{85}Kr in the rat and beagle dog. (BNWL – 2100(Pt.1)) 360361
Ballou, J.K.
Preliminary structural analysis of the toroidal field coils for T-10M. (CONF-771029 – 60) 371874
Ballou, L.
Summary of U.S. PNE experience. (UCID – 17649) 379452
Balmer, J.E.
Experiments on neodymium laser pulse interaction with slab targets in the picosecond regime. (INIS-mf – 3963) 372106
Resonance absorption of 1.06-μm laser radiation in laser-generated plasma. 366499
Balodis, M.K.
Rotational bands and a high-spin isomer in ^{178}Ta. (ZfK – 336) 364765
Balog, J.
Rotation symmetry in the Hamiltonian dynamics. (KFKI – 77-26) 355772
Balog, J.S.
Extraction of cadmium as its complex with iodide ions and quinoline dyes. 378129
Studying basic dyes as reagents for extraction-photometric determination of cadmium. (INIS-mf – 4192) 375291
Balogh, A.
Energetic protons associated with a forward-reverse interplanetary shock pair at 1 A.U. 349671
Baloh, F.J.
Clinch-River Breeder-Reactor Plant system reliability. 357728
Balooch, M.
Quasi-equilibrium treatment of hydrogen-graphite reactions in molecular beam-surface experiment. 371556
Baltateanu, N.
Distribution of the branking radiation dose in the linear electron accelerator of 3 MeV. 379510
Baltay, C.
Diffractive and nondiffractive A_1, A_3, and A_4 production in π^+p interactions at 15 GeV/c. 359332
Dilepton production by neutrinos in neon. 351210, 353929
Baltes, H.P.
Information on planar sources from far-zone spatial coherence. 358630
Baltgalve, I.V.
Investigation into antipyrilazonaphthol sulfoacids reaction with certain metal ions. (INIS-mf – 4188) 375549
Balthesen, E.
HTGR fuel and fuel cycle technology. 368174
Baltrameyunas, P.
Photoconductivity of CdP_2 single crystals excited by ruby and neodymium lasers. 365006
Baltrameyunas, R.
Luminescence of Znsub(x)Cdsub(x-1)Te on the absorption edge at high excitation. 371557
On spectra of two-photon absorption in Znsub(0.1)Cdsub(0.9)S mixed monocrystals. 371558
Radiation of electron-hole plasma in GaSe monocrystals. 377158
Baltrunas, D.A.J.
Starting material radiation source for Moessbauer investigations of tellurium compounds. (US patent document 4,059,769/A/) 379374
Baltz, A.J.
Long range imaginary optical potential in elastic scattering. (LBL – 6588) 372358
Surface transparent potentials: forward angle transfer and backward angle elastic scattering in heavy-ion collisions. (BNL – 23461) 377859
Balu, K.
Application of isotope techniques for water resources, water pollution and civil engineering investiqations – a few case studies. 367396
Management of highly active decladding Zircaloy solid wastes from a fuel reprocessing plant. 358468
Management of radioactive waste. An overview of the Indian programme. 368387
Nuclear industry – challenges in chemical engineering. (INIS-mf – 4166) 375789
Balucani, U.
Light scattering in Heisenberg antiferromagnets. 361420
Two-body collision induced light scattering comparison between a memory function approach and molecular dynamics experiments. 371461
Baluja, K.L.
Electron impact excitation of Fe XXVI and other one-electron ions. 358701
Electron impact excitation of hydrogenic systems in a distorted-wave model. 376967
Balukova, V.D.
Basic prerequisites and the practice of using deep water tables for burying liquid radioactive wastes. (ORNL-tr – 4390) 361128
Principal prerequisites and practice for using deep aquifers for disposal of liquid radioactive wastes. 368406
Baluni, V.
(Non)-Abelian gauge field theories of the Fermi gas. Neutron-quark stars. 376891
Balysh, A.Ya.
Large scintillation counters on the base of polymers for low-background detector protection from cosmic rays. 350346
Balyuk, S.T.
Effect of surfactants on wet zircon vibrogrinding. 375931
Balz, W.
CEC activities in the field of LMFBR safety. (CONF-761001 – P3) 365516
Commission of the European Communities – Activities in the field of fast reactors. (IWGFR – 18) 363487
Commission of the European Communities – Presentation at the 9th annual meeting of the IWGFR. (IWGFR – 12) 358276
Balzer, R.
Elastic scattering of ^9Be on heavy target nuclei. 372702
Investigations on the formation of tracks in crystals. 360123
Bamberger, C.E.
The oxide chemistry of niobium in molten LiF-BeF_2 mixtures. 357070
Bamberger, J.A.
Large-capacity cryogenic pumping of D_2 and H_2 for fusion. 358949
Bamblevskij, V.P.
Gamma detection efficiency for NaI(Tl) crystals for volume cylindrical sources. (JINR-R – 13-10367) 363550
Bamburov, V.G.
On raising of the Curie temperature of the EuO magnetic semiconductor. 374685
Bame, S.J.
Noncompressive density enhancements in the solar wind. 369087
Unusual aspect of solar wind speed variations during solar cycle 20. 359088
Bamford, W.H.
The effect of pressurized water reactor environment on fatigue crack propagation of pressure vessel steels. 354492
Effects of reactor vessel fatigue loading cycles on crack growth. (IAEA – 189) 360791
Bampton, M.C.C.
TDHR-a Tokamak demonstraction hybrid reactor. 377377
Ban, Sadayuki
Radiation and aging. 354749
Banaschik, M.V.
Experimental study of Yb nuclei at high angular momentum. 356883
Banaszkiewicz, W.
The effect of coronary artery dilating agents and cardiac glycosides on myocardial blood flow in acute radiation sickness. 365379
Bance, D.A.
Fast neutron therapy beam produced by 26 MeV protons on beryllium. 376243
High energy fast neutrons from the Harwell variable energy cyclotron. II. Biologic studies in mammalian systems. 379007
Banchero, P.G.
Design and construction of the Donner 280-crystal positron ring for dynamic transverse section emission imaging. (LBL – 5679) 373651
Bancheva, E.
Increase of nonspecific radioresistance in rats by means of magnet-active water. 367509
Bancroft, G.M.
Shake-up satellites in X-ray photoelectron (ESCA) spectra of $5f^0Th(IV)$ compounds. 356929
Band, I.M.
Combination of the methods of x-ray chemical shift and Moessbauer effect for investigation of the electron valence structure of nontransition elements. 368847
Muon conversion of gamma radiation of nuclei. 359411
On calculations of internal conversion coefficients of gamma rays for light elements. 359376
Band, Y.B.
Coherent-state multipole moments: Source of important scattering information. 363888
Energy distribution in selected fragment vibrations in dissociation processes in polyatomic molecules. 350563
Bandari, N.
Long-period variations of cosmic rays. 356179
Bandilla, K.
Quantitative scintigraphy of the sacro-iliacal joint. (INIS-mf – 4010) 357711
Bandmann, H.
A perspective of the energy policy for Europe: demands and recommendations concerning energy and research policy for overcoming the present stagnation. 361134
Bando, H.
Extended multiple-scattering approach for the 2p1h system and ^{17}O valence energies. 372634
Bando, Hiroharu
Multiple scattering equation for two particle-one hole system and generalized vertex in core polarization of nuclei, 2. 354033, 354034
Bandurko, L.N.
Recovery of small intestine mucosa of rats in acute radiation sickness of the intestinal type. 349745
Bandy, R.
Effect of composition on the electrochemical behavior of austenitic stainless steel in Ringer's solution. 378550
Bandyopadhyay, P.
Threshold pion production by neutrinos and the photon neutrino weak-coupling theory. 361853
Bandyopadhyay, T.
Estimation of pre-meiotic DNA synthesis period in the dog spermatozoa. 357637
Bane, K.L.F.
Bunch lengthening due to potential well distortion from cylindrical cavities with beam ports. 363149

Comparison of measured and computed loss to parasitic modes in cylindrical cavities with beam ports. 363368
Banerjee, H.
Overlap function and Regge cut in a self-consistent multi-Regge model. 364469
Banerjee, H.D.
Phosphorescence in cathode ray irradiated CaF_2:Ce:Mn crystals. 366456
Banerjee, M.K.
Low-energy pion-nucleon scattering. 372359
Pion – nucleon sigma-commutator. (ORO – 5126-16) 361769
Pions and nuclei. 369351
Banerjee, S.
Blowdown of a recirculating loop with heat addition. 376502
Inclusive V^0 production in anti pp interactions at 12 GeV/c. 353939
Numerical standards for flow-boiling analysis. 362944
Polarization analysis of emission lines in the presence of relaxation. 363951
Total cross sections for charged-current neutrino and antineutrino interactions in BEBC in the energy range 20-200 GeV. 353945
Uranium requirements for fuel cycles in expanding nuclear power systems. 352914
Banerji, R.
Effect of simulated high altitude on red cell membrane permeability as revealed by influx of ^{86}Rb and ^{22}Na. 349812
Banerji, S.
Einstein-Cartan spheres. 358679
Radioisotope techniques in water resources research and management with special reference to India. 370274
Banerji, S.K.
An austenitic stainless steel without nickel and chromium. 367229
Banfi, A.
Patterns of second malignant neoplasms in children. 373571
Banfi, D.
Technique for measuring radioactivity of substances labelled with ^{14}C isotope. (Soviet patent document 492099/A/) 355556
Bang, J.M.
Some mathematical aspects of the Sturm-Liouville expansion with special reference to the nucleon-nucleus potential. (JINR-E – 2-10624) 369403, 375100
Bange, F.J.
The emergency cooling system of the KNK-II reactor. 376589
Bangert, R.
The (p, n) reaction between analog states in isotopes of Sn and Sb. 359453
Back-angle anomalies in ^6Li scattering from ^{40}Ca and ^{44}Ca. 359461
Bangerter, R.
Ion beam inertial fusion target designs. (UCRL – 78474) 361491
Bangerter, R.O.
High performance inertial fusion targets. (UCRL – 79373) 377502
Bania, T.M.
Carbon monoxide in the inner galaxy. 359049
Banifatov, A.E.
Timing properties study of serial coaxial Ge(Li) detectors of large volume. 371078
Banjyoya, N.
High power CO_2 laser system for plasma research (Lekko I). (IAEA – 200) 353600
Bankoff, S.G.
Hollow sphere formation in a gassy two-liquid pool. 362859
Liquid – liquid contact in vapor explosions. (CONF-761001 – P4) 362990
Mechanisms of vapor explosions. (CONF-761001 – P4) 362858
Mechanisms of vapor explosions. Technical annual report, October 1976 – July 1977. (COO – 2512-11) 357729
Mechanisms of vapor explosions. Technical progress report, October 1976 – March 1977. (COO – 2512-10) 352717
Simulation of boiling pools with internal heat sources by gas injection. (COO – 2554-6) 362976
Bankovskij, Yu.A.
Determination of trace amounts of halide-ions as amylmercury halides by means of radioactive reagent. (INIS-mf – 4188) 375382
Banks, D.
Classical collisions of protons with hydrogen atoms. 371462
Banks, T.
Phase transitions in Abelian lattice gauge theories. 356388
Semiclassical spectrum of the two-dimensional non-linear sigma models. 353761
Bankuti, J.
Experimental superconducting d.c. and a.c. cables. 360633
Bann, H.S. van der
Kinetics of the reduction of uranium oxide catalysts. 373018
Bannai, E.
Thermionic work function of LaB_6 single crystals and their surfaces. 351839
Banner, M.
Suppression of multipactoring in superconducting cavities. 363311
Bannerman, D.E.
CO_2 laser fusion target chamber. 368916
Bannik, B.P.
Search for new short-lived particles in 70 GeV/c proton collisions with nuclei of photoemulsion. 369352
Starting system for a 2-meter streamer spark chamber in a 17 GeV/sec α-particle beam. (JINR – 13-9030) 358334
Bannikova, R.V.
Investigation of function of ceramic oxygen electrode in molten eutectic of potassium and lithium chlorides. (INIS-mf – 4189) 375554
Bannink, D.W.
An installation for transport and accumulation studies on undisturbed soil columns under controlled conditions. 354638
Bannister, M.J.
Discussion of morphology relations during bulk-transport sintering, with reference to thoria gel. 357348
Bannykh, O.A.
On development of heat resisting composite material matrices operating at a temperature of 1100 deg C. 357330
Structural changes in two-phase Cr-Mn-steels under conditions of superplasticity. 359895
Banov, R.M.
Nitrogen effect on stacking fault concentration in Cr-Mn austenite. 375815
Bansal, C.
Temperature dependence of Moessbauer lineshape in disordered (NiFe)sub(1-x)Crsub(x) alloys. 366390
Bansal, N.K.
Treatment of the response of a reactor to stochastic reactivity input. (KFK – 2509) 355244
Bansal, O.P.
Effect of temperature on the rate of coagulation of ferric tellurate, chromium tellurate and vanadium pentoxide hydrosols by viscometric technique. 367127
Banyai, L.
The theory of hopping conduction. 355723
Banyard, K.E.
Angular and radial correlation effects in momentum space for H^-, He and Li^+. 350565
Continuum-distorted-wave calculations for rearrangement cross sections and their sensitivity to improvements in the target wave function: Proton-helium collisions. 350566
Electron-capture cross sections of high-energy alpha-particle-helium-atom collisions. 350564
Banzo, J.
Clinical assessment of angioscintigraphy and brain sequential scintigraphy with sup(99m)Tc-DTPA. (INIS-mf – 4010) 357674
Bapat, V.N.
Thermoluminescence mechanisms in lithium fluoride. 365236
Bapna, B.H.
Plant control system design for the Clinch River Breeder Reactor Plant. (CONF-770939 – 2) 368052
Bappu, M.K.V.
Saturn-like system around Uranus. 364282
Baquer, P.
Carbon transfer between 2 1/4 Cr 1 Mo alloy and austenitic steels (experiments in anisothermal loops). (CONF-760503 – P2) 352718
Bar-Noy, T.
Elastic and Raman scattering of 8.5 – 11.4 MeV photons from ^{175}Lu and ^{181}Ta. 354141
Numerical calculations of Delbrueck scattering amplitudes. 354040
Numerical calculations of imaginary Delbruck scattering amplitudes. (IA – 1338) 364740
Bar-Or, A.
The behaviour and development of fuel elements. (INIS-mf – 4052) 374470
Color metallography of U_3Si. 354597
Bar-Yam, Z.
Comparison of the line-reversed channels p-barp → $\pi^-\pi^+$ and π^+p → $p\pi^+$ at 6 GeV/c. 351232
Measurement of the line-reversed reactions p-barp → π^-rho$^-$ and π^-p → prho$^-$ at 6 GeV/c. 369376
Bar-Ziv, E.
A process for the bituminization of radioactive wastes. (NRCN – 413) 374401
Bar'yakhtar, V.G.
On the phase transformations in ferrites in the vicinity of the compensation point. 349439
Relaxation of NMR signal near the point of reorientational phase transitions of the second type in rare-earth orthoferrites. 355941
Bara, J.J.
Investigation of thickness dependences of Moessbauer absorption and scattering lines. 371559
Investigations of crystal and magnetic properties of nickel ferrite-aluminates. 371560
The Moessbauer effect and magnetometric investigations of iron-doped sodium A-type zeolite. 374666
Barabanov, A.P.
Time local intensity variations in the Cassiopeia-A radiosource spectrum. 369024
Barabanov, I.R.
Possibility of nuclear-component depth-distribution measurement from muon interaction by radiochemical method. 363551
Barabanov, V.N.
Graphite fracture toughness testing technique. 358022
Barabas, K.
Experimental study of the combined utilization of nuclear power heating plants for big towns and industrial complexes. 371240
Barabas, Z.
Laboratory, greenhouse and field methods for screening rust-resistant wheat cultivars. 373750
Prevention of gene erosion of old wheat varieties by back-crossing and X-ray irradiation. 373701
Barabash, I.P.
Input device for the DIN-1M spectrometer. (JINR – 10-9154) 352828
Barabash, L.Z.
Generation of πsup(-) mesons on nuclei by 3.95-9.7 GeV/c protons. 349089

Barabash, O.M.
Structure and tensile properties of niobium-zirconium nitride alloys. 349440
Barabashkin, A.N.
Regularities of formation of oriented electrodeposits during electrolysis of molten salts. (INIS-mf – 4189) 375408
Baraboj, V.A.
Effect of an ionizing radiation on the activity of the components of the system: DNA ase 1-natural DNA ase 1 inhibitor in blood serum of white rats. 367500
Baraboshkin, A.N.
Deposition of high temperature metals from molten salts. (INIS-mf – 4189) 375410
Kinetics of rhenium electrodeposition from chloride melt. (INIS-mf – 4189) 375409
Baraboshkin, V.E.
Densification of porous beryllium during sintering. 375919
Baracca, A.
Is a Bell-type inequality for nondicotomic observables a good test of quantum mechanics. 363747
Baradzej, L.T.
Scaling and charge ratio in the energy range 1-10 TeV. 361667
Baragiola, R.A.
Interference effects in ion-electron emission induced by molecular ions. (INIS-mf – 3996) 363952
A novel ultra-high vacuum manipulator with six degrees of freedom. 368334
Z_1 dependence of ion-electron emission from clean Al surface. (INIS-mf – 3996) 363940
Barakina, N.F.
Radiomimetic-induced changes in the lymphoid population of the bone marrow. 362657
Baral, E.
Effect of radiation therapy on the mitogenic response of in vitro irradiated human lymphocytes to phytohaemagglutinin. 376055
Baraldi, D.
Relationship between peel damage and the accumulation of limonene in four varieties of irradiated oranges. 365373
Baran, A.A.
On the stability of colloidal solutions in aqueous-organic dispersion media. 362158
Baran, E.J.
The i.r. spectra of $NH_4UO_2AsO_4.3H_2O$ and $NH_4UO_2PO_4.3\ H_2O$. 354316
The vibrational specturm of Li_5ReO_6. 354317
Baran, M.M.
On the relation of vitamin A to the protein biosynthesis in the organism of intact animals and during the action of ionizing radiation. 365392
Baran, N.P.
EPR of Mn^{2+} in semiconductor crystals of the $A^2B^4C_2^5$ type. 348760
Baranchikov, E.I.
System for anode foil changeover in a pulse electron accelerator. 370734
Developments of high-current relativistic electron beams for thermonuclear investigations. (INIS-mf – 3954) 363150
Transport and focusing of high-current relativistic electron beams onto a target. (IAEA – 200) 353515
Baranenko, V.M.
Electrode processes during beryllium separation from molten chlorides. (INIS-mf – 4189) 375436
Baranetskij, V.S.
Multispecimen test machine for fast evaluation of steam turbine condenser tubes performance. 375732
Barannik, G.B.
Investigation of iron-bismuth-molybdenum catalysts. 378428, 378429
Barannik, V.P.
Elastic scattering and annihilation in neutrino-lepton interaction in the Weinberg model. (KFTI – 76-2) 364470
Lepton processes and a V-epsilonA-variant of the weak interaction. (KFTI – 76-10) 359225
Strontium-90 concentration in the bottom brine and sediments of the Sivash Lake as dependent on the hydrochemical emironment. 349667
Baranov, A.A.
Redox potentials of the Bk(4)-Bk(3) pair. 369747, 369762, 369763
Baranov, A.E.
Principles of biological dosimetry in acute radiation sickness. 349942
Baranov, A.I.
Annealing of vacancy clusters in silicon. 370133
Baranov, A.V.
On reaction kinetics of vanadyl sulfate with nitric acid. 362205
Some thermodynamic data and kinetic regularities of vanadium pentoxide dissolution in nitric acid solutions. 359678
Baranov, D.G.
Search of antinuclei in primary cosmic rays. 356259
Study on interactions of cosmic-ray relativistic nuclei with emulsion nuclei at total decay of a target nucleus and in peripheral collisions. 362110
Baranov, D.S.
Observation of possible production and decay of short-living heavy neutral particles in the SKAT neutrino experiment. 353930
Baranov, G.A.
Development and study on a model of a liner for a pulsed theta pinch reactor. (INIS-mf – 3954) 361492
Pulse unipolar generator with a gas support of a rotor. (INIS-mf – 3954) 361494
Study on annular jet flow for the case of liner of a pulsed thermonuclear reactor. (INIS-mf – 3954) 361493
Baranov, M.A.
Safeguarding radiation safety in nuclear power plant operation. 367795
Baranov, P.
201-GeV/c proton-proton elastic scattering at large momentum transfer. 366888
Baranov, P.G.
Anisotropy of paramagnetic cadmium centers in alkali-halide crystals. 377159
Joint EPR and optical investigations of Cd^+ and Zn^+ ions in CaF_2 crystals. (INIS-mf – 3955) 362159
Baranov, S.P.
Physicochemical characteristic of melts containing salt of laminated structure. (INIS-mf – 4193) 375411
Structural particularities of monovalent nitrate mixtures. (INIS-mf – 4193) 378209
Baranov, V.I.
Technique for control of irradiation of photoemulsion blocks. (Soviet patent document 314448/A/) 379859
Baranov, V.M.
High-temperature ultrasonic installation for determining the characteristics of materials elasticity and thermal diffusivity. 357247
In-reactor measurements of the uranium dioxide Young modulus. 349582
Baranov, V.Y.
The application of a high pulse repetition rate CO_2 laser with high average power for isotope separation by molecular dissociation in a strong IR field. 355067
Baranov, V.Yu.
Experimental facility with an isothermal plasma pulse generator for investigations of MHD flow. 372316
Baranov, Ya.I.
Technique for a reactor charging machine guidance on a technology channel of a nuclear reactor. (Soviet patent document 392793/A/) 379443
Baranova, N.V.
Diffusion and structure of defects in Cdsub(x)Hgsub(1-X)Te crystals. 365136
Baranova, R.V.
Structure and composition of thin films which are forming at sputtering of nickel and palladium in the atmosphere of hydrogen. 368812
Baranovicj, G.
Intensity variations of some low-frequency Raman bands in crystaline phenanthrene. 377178
Baranowski, F.P.
Radioactive waste management alternatives. 371184
Baranowski, J.
Experimental studies of laser-produced plasmas within the spherical multipole trap. (INIS-mf – 3963) 371734
Barashenko, B.S.
High energy deuteron beam interaction with matter. (JINR-R – 2-7848) 349103
Barashenkov, V.S.
Application of heavy ion beams in adjacent fields of science and technology. (JINR-R – 14-8979) 348761
Reactions induced by high-energy particles and nuclei. (KFTI – 74-27) 354041
The use of argon ions for production of nuclear filters. 374778
Vacancy porosity in metals irradiated with accelerated Fe ions. (JINR-R – 14-8801) 349586
Barat, J.L.
In beam collection of ^{123}Xe for carrier-free ^{123}I production. 376236
Barat, M.
Direct and charge-exchange inelastic processes in ion-atom collisions. 348738
Formation of He metastable in He^+ – alkali collisions. 353332
Theoretical study of Li^+-He collisions. 350682
Baratta, E.J.
Radioactivity: radionuclides in foods. 378163
Baraz, V.R.
Study on thermomechanical treatment of KhN77TYuR alloy. 375816
Barbalat, O.
Acceleration and stacking of deuterons in the CERN PS and ISR. 363144
Barbalho, A.R.
Planning the nuclear contribution to the Brazilian power programme. 366222
Barbano, P.G.
Spectrophotometric determination of uranium in sea water after extraction with aliquat-336. 369521
Barbanov, V.A.
Use of a luminescent probe to investigate complexing of rare earths with macromolecular ligands. 359720
Barbara, B.
Hyperfine field in ordered Dy/sub 1-x/M/sub x/Al_2 (M = Y,Gd) compounds. 359896
Magnetization behaviour of $DyAl_2$ and $GdAl_2$. 378592
On the magnetic ordering of $CeAl_2$. 355942
Rare earth wave function determination by polarized neutron diffraction in $REAl_2$. 378591
Barbarino, G.
An upper limit for the radiative decay width of the J/psi resonance into eta'(958)+γ. 369353
Barbarino, S.
π^--nucleus interactions for stopped and 45 MeV pions with ^{58,60,62}Ni. 359467

Barbaro-Galtieri, A.
Electron-muon and electron-hadron production in e⁺e⁻ collisions. 366879
A search for neutral heavy leptons. 356514
Barbashov, B.M.
Relativistic string dynamics and its connection with hadron physics. (JINR-D – 2-9788) 374548
Relativistic string with massive ends. 368521
Some solutions of the equations of motion of the relativistic string with massive ends. 356389
Barbeau, A.
A sensitive radiometric assay for cysteic acid decarboxylase activity in crude enzyme preparations of rat liver and brain. 352176
Barber, A.C.
A method for superconductor fabrication. (Soviet patent document 499847/A/) 375778
Method of producing a superconductor. (German (F.R.) patent document 1558786/C/) 367209
Barber, D.J.
The sputtering behaviour of calcite. 374651
Barber, D.P.
A 480-channel lead glass Cherenkov detector. 355498
Barber, G.C.
Design philosophy and use of high voltage power systems for multi-megawatt ion beam accelerators. (CONF-771029 – 68) 371736
Development and use of 60 kV, and 150 kV floating deck modulators for high voltage protection of multi-megawatt ion beam accelerators. (CONF-771029 – 67) 371735
Barber, R.C.
Nucleon separation and pairing energies, decay energies and atomic masses for 68 <= Z <= 72. 359523
Precise atomic mass differences for wide doublets as determined with the Manitoba II mass spectrometer. 358449
Precise atomic masses and mass differences for W and Re. 356877
Precise single neutron separation energies of Ti, Fe, and Zn. 356694
Barbero, P.
Post irradiation examination of the fuel discharged from the Trino Vercellese reactor after the 2nd irradiation cycle. (EUR – 5605) 360838
Barbiellini, G.
An upper limit for the radiative decay width of the J/psi resonance into eta'(958)+γ. 369353
Barbini, R.
(πsup(+), ⁴He) inelastic interaction at 110 and 160 MeV. 356489
(πsup(+),⁴He) inelastic interaction at 100 and 160 MeV. 353928
Barbolla, J.
Study by thermally stimulated capacitance techniques of defects introduced at low temperature by electron irradiation in p-silicon. 370139
Barbosa, D.D.
Electrostatic mode coupling at 2ω/sub UH/: a generation mechanism for auroral kilometric radiation. 365314
Barbour, I.M.
Fundamentals of quark models. Proceedings of the seventeenth Scottish Universities Summer School in Physics, St. Andrews, August 1976. 351146, 351148, 351166, 351185, 351189, 351197, 351198, 351203, 351204
Barbour, M.S.
Evidence for a 39-d period in Cyg X-1. 359109
Barbour, R.A.
Development and progress of the South African enrichment project. 367853
Barbu, Alain
Fundamental aspects of the evolution of, and phase changes in, metals and alloys under irradiation. (CEA-CONF – 4014) 370188
Barbucci, P.
Exponential supplementary equations for S/sub N/ methods: the one-dimensional case. 352434
Barbur, I.
Co-operation of the CMEA member countries in the development of different reactor types, including certain aspects of their nuclear fuel cycle. 366143
Barchenkov, A.
Co-operation of the CMEA member countries in the development of different reactor types, including certain aspects of their nuclear fuel cycle. 366143
Barchuk, I.F.
Gamma rays emitted in the sup(90,92,94,96)Zr(nγ)sup(91,93,95,97)Zr reactions with thermal neutrons. 375158
Barchuk, V.T.
Thermodynamic and X-ray studies into reaction of chlorides of alkali metals, thalium and beryllium. (INIS-mf – 4193) 375615
Barclay, J.A.
A continuous demagnetization refrigerator operating near 2 K and a study of magnetic refrigerants. 365709
Numerical solutions for single passage NMR on nuclei experiencing small electric quadrupole interactions. 356061
Barcus, J.R.
Observations of long-period pulsations in electron precipitation at 75° magnetic latitude. 367415
Barczak, R.J.
Clinical evaluation of the Cleon imager. 374369
Bard, S.T.
The sensitivity of an environmental radiation surveillance program to the natural fluctuation of tritiated water vapor in the troposphere. 354699
Tritium in tropospheric water vapor. 360196
Bardadin-Otwinowska, M.
High multiplicity π⁻d interactions at 21 GeV/c. 356503
A study of direct and indirect pion production in π⁺p interactions at 16 GeV/c. 377804
Bardeen, J.M.
New criterion for secular instability of rapidly rotating stars. 359050
Bardeen, W.A.
Local gauge symmetry and confinement in quantum chromodynamics. (JINR-D – 1,2-10400(v.1)) 376892
Mass generation in a normal-product formulation. 368522
Bardet, G.
Seven years' experience of storage of solid low- and medium-level radioactive waste on the surface and in concrete-lined trenches. 358511
Bardet, R.
Experimental evidence of ion heating by transit time magnetic pumping. 353516
Tokamak discharges in Petula with alumina chamber. (INIS-mf – 3963) 371737
Bardfeld, P.A.
Scintigraphic diagnosis of ischemic intestine with /sup 99m/Tc sulfur colloid-labeled leukocytes. 367613
Bardhan, M.
Correlating hydrogeostratification with geostratification from nuclear logging and geoelectric sounding in water impregnated traps. 367394
Measurement of hydrogeologic parameters of Indian volcanic rocks by sub-surface hydronuclear techniques. 367353
Bardi, G.
The heat of formation of the $YbAl_2$ compound. 375535
Bardin, D.Yu
On an exact calculation of the lowest order electromagnetic correction to the point particle elastic scattering. 353762
Bardin, D.Yu.
Calculation of the positronium beam intensity from electron accelerators. (JINR-R – 2-9565) 363863
A measurement of the electromagnetic size of the pion from direct elastic pion scattering data at 50 GeV/c. 353922
On radiative corrections to πe-scattering. (JINR-R – 2-8975) 356390
Bardin, G.
A separation of the transverse and longitudinal cross section in a coincidence π⁺ electroproduction experiment. A measurement of the pion radius. (LYCEN – 7702(pt.1)) 359454
Bardin, V.V.
Spectrophotometric determination of aluminium and zirconium in titanium alloy. 378123
Bardina, S.M.
Application of phenyl-glicolic acid for rise of sensitivity of polarographic determination of titanium and molybdenum. (INIS-mf – 4192) 375241
Bardokin, E.V.
Influence of preliminary heat treatment of heat resistant steels of pearlite class on the tendency of welded joints to fractures in reheating. 375787
Bardsley, J.N.
Calculations of ion-ion recombination rates at high pressures. 368715
Bardsley, R.E.
Plutonium fuel fabrication retrospection: PRTR to CRBR. (HEDL-SA – 1138-FP) 378762
Bardtenschlager, R.
Decommissioning of light-water reactor nuclear power plants. 374195
Barducci, A.
A model for the supersymmetric relativistic oscillator. 363748
Bardwell, S.
Frontiers of plasma physics. III. The implications of nonlinearity. 350802
Bardyshev, I.I.
Polyvacancy-type defects and amorphization in germanium irradiated with fast neutrons. 348762
Bare, J.P.
Free-radical chain formation of siloxanes in the radiolysis of monosilane – nitric oxide mixtures. 357132
Barefoot, E.D.
Long term performance of charcoal absorbers removing radioiodine in ventilation exhaust air. Final report. (EPRI-NP – 534) 379558
Bareiss, E.H.
Automated approach to quantitative error analysis. (COO – 2280-31) 372553, 372554
Computational complexity in multidimensional neutron transport theory calculations. Progress report, September 1976 – November 30, 1977. (COO – 2280-36) 364600
Exact and approximate interior corner problem in neutron diffusion by integral transform methods. (COO – 2280-28) 363376
Barends, D.H.
Total cross sections for electron scattering. 353195
Barendsen, G.W.
The importance of differences in intrinsic cellular radio-sensitivity for the effectiveness of neutron radiotherapy treatments. 378955
Barer, M.I.
Evaluation of ash content in coals of Chelyabinsk basin by well logging. 378826
Bareskov, N.A.
Stainless steel tendency to crack formation in the course of soldering with copper. 349441
Barfield, W.D.
Photoionization cross sections and radiative recombination rate coefficients for positive ions of carbon and gold. (LA – 6615)

361495
Barfknecht, A.T.
Thermal studies on Cr-doped V_2O_3 crystals. 365198
Barfknecht, T.R.
Ultraviolet radiation-induced mutability of isogenic uvrA and uvrB strains of Escherichia coli K-12 W3110. 365362
Barg, G.D.
A study of the dynamics of rotational excitation: quasi-classical phase space density functions for $Li^+ + H_2$ at 0.6 eV. 355854
Barger, J.J.
Process and arrangements for removing a tube from a tube plate. (German (F.R.) patent document 2615521/A/) 352475
Barger, M.J.
Molecular beam study of the nucleation of water on gold. 368734
Barger, V.
Are new weak gauge bosons a viable explanation of neutrino trimuon production. 356391
Determination of parton sea from μ pair production data. 372360
Fragmentation function for heavy quarks. 353763
Multihadron semileptonic decays of charmed mesons. 359226
Symmetric dimuons from neutrinos. 353764
Bargholtz, C.
A unified model calculation of states in odd-mass technetium isotopes. 364648
Bargouth, M.O.
The antiferromagnetic structure of $TbMg_3$. 362480
The magnetic structure of $ErFe_4Al_8$ and $TbFe_4Al_8$. 362372
Barhai, P.K.
Symmetry coefficient isospin-spin dependence of the single-particle potential, compressibility and rearrangement energy. 377903
Barhen, J.
OZMA-1: a program for the computation of resonance absorption in nuclear reactor lattices using resonance profiles. (INIS-mf – 4052) 376404
Bari, R.A.
Effect of humidity on the burning rate of sodium droplets. 352300
Meltdown phase for an LMFBR loss of heat sink during shutdown. 352190
Pipe rupture studies in the Clinch River Breeder Reactor. 352184
Baribaud, G.
Microprocessors help in control and beam observation at the CERN PS booster. 363151
Barik, S.
Pesticide-soil microflora interactions in flooded rice soils. 379168
Baril, M.
Secondary electron emission of alloys and vacuum evaporated thin oxide films induced by positive and negative ions. 368865
Study of the advantage and drawback of using Cs^+ primary ion beam on metal targets. 369578
Baril, R.G.
Canadian attitudes to nuclear power. (AECL – 5714) 360433, 370540
Baringer, J.R.
Radioimmunoassay of Herpes simplex virus antibody: correlation with ganglionic infection. 357683
Barintsev, V.V.
A study of πsup(+), πsup(-) and proton production in pp interactions at 69 GeV/c. 361867
Barish, B.C.
Charged current differential distributions in the Caltech-Fermilab γ-experiment. 353931
Comparing neutrino and antineutrino scattering. 377783
A measurement of the neutral current coupling in neutrino inclusive reactions. 353932
Normalized small-y cross sections for neutrinos and antineutrinos at high energy. 359333
Rate of dimuon production from neutrinos and antineutrinos at high energy. 366880
Barish, J.
Calculation of the fragmentation of UO_2 by capacitor discharge: nonequilibrium model. 367730
Calculations pertaining to the design of a prebuncher for a 150-MeV electron linear accelerator. (ORNL/TM – 5419) 365735
Spatial variation of the damage energy and gas production in the experimental volume of a Li(D,n) neutron radiation damage facility. 362522
Uncertainties in calculated heating and radiation damage in the toroidal field coil of a tokamak experimental power reactor due to neutron cross-section errors. 361486
Barit, I.Ya.
Fast neutron generator. (Soviet patent document 402945/A/) 355078
Barjaktarevicj, N.
Professional exposure to ionizing radiation some hematological cytomorfological and immunological tests. 370661
Bark, R.
Pendulum irradiation of the middle part of the esophagus with rapid electrons and ultrahard X-rays. 349937
Barkalaya, A.I.
Radiation block of bone marrow cell mitoses and the effect of insulin. 360255
Barkalov, I.M.
Features of low-temperature radiation-induced polymerization of carbon suboxide. 354434
Polymerization of solid N-phenylmaleimide. Specific features of growth of the polymer chain and determination of the reaction volume. 367169
Post-radiation solidification of oligocarbonateacrylates. 357133
Barkan, V.M.
Behaviour of platinum metals during pyrometallurgical processing of copper-nickel ores and methods of their extraction. 359608
Barkan, V.Sh.
Effect of elementary sulfur on interaction betwen chalcogenides of platinum metals and sulfuric acid. 369630
Study of processes of interaction between sulfides and selenides of rhodium and ruthenium and concentrated sulfuric acid. 369588
Barker, B.M.
Perihelion precession for the charged two-body problem in general relativity. 363749
Post-Newtonian two-body and n-body problems with electric charge in general relativity. 350477
Barker, D.
Protection and safety in the X-ray department. 376197
Barker, F.C.
Levels of ^{16}O near 13 MeV excitation from ^{15}N + p reactions. 354165
Barker, H.
A radiation grafting technique for the immobilization of enzymes and the heterogenizing of catalytically active homogeneous metal complexes. 369775
Barker, J.H.
γ-ray multiplicities from nuclear reactions: theory, instrumentation and analysis. 355598
Barker, J.J.
Photochemistry in nuclear fuel reprocessing. 351692
Barker, M.G.
Analysis of the methods available for the removal of sodium from corrosion test samples. (CONF-760503 – P2) 352719
Barker, N.T.
A comparison of some aqueous chemical dosimeters for absorbed doses of less than 1000 rads. 376258
Barker, R.A.
Structural models of the reconstructed brace W 001 brace surface. 374667
Barker, R.F.
Destructive testing of transport packaging. Quality assurance applied to transport packaging in the USA. 350002
Barkhatova, I.I.
Application of electronic multiplie CO-I for determination of main component in copper-I and baryte ores and products of their enrichment. 354639
Barkhudar'yan, A.A.
Analysis of binary mixtures of vanadium with other elements by complexonometric method of amperometric titration. 375391
Barkhudarov, Eh.M.
Investigation of the interaction of low-frequency electric fields with the ion sound oscillations in confined weakly ionized plasma. (INIS-mf – 3255) 350803
Barkhudaryan, A.V.
Effective increase in the longitudinal beam emittance in case of transition energy crossing. (ITEF – 37) 357936
Structure resonances in proton linear accelerators. 363152
Transition energy crossing in the ITEP proton synchrotron. (ITEF – 17) 357935
Barkley, P.G.
Evidence for spur overlap in the pulse radiolysis of water. 359775
Barkov, B.P.
$\pi^- C^{12}$ interaction followed by neutral particle production at 40 GeV/c. (ITEF – 6) 353933
Automatic monitoriting of the intensity of a particle beam from the accelerator target. (ITEF – 23) 350053
Characteristics of neutron scintillation counters based on photomultipliers of the type K14FS-5O and FEU-63. (ITEF – 34) 350287
Technique for absolute calibration of neutron spectrometers with time – of flight counters. (Soviet patent document 432439/A/) 358339
Barkov, L.A.
Cold rolling of hexagonal rods of VT16 alloy. 351699
Rolling of molybdenum bars on mills with multi-roll passes. 359864
Rolling of nickel base hardly deformable alloys in four-roller mills. 351723
Rolling of tungsten base cermet in four-roll grooves. 351849
Barkov, L.M.
Measurement of mass of the phi-1019 resonance. (JINR-D – 1,2-9342) 356490
Barkov, V.A.
Decladding of BOR-60 and BR-5 fuel elements by clad melting. (NIIAR-P – 17(283)) 359840
Pilot plant reprocessing of the BOR-60 spent uranium fuel by using fluoride volutility method. (IAEA-AG – 63-21) 362336
Thermal decladding of BOR-60 fuel elements. (IAEA-AG – 63-16) 363489
Barkovskij, V.F.
Spectrophotometric studying complexing in lantanide-arsenazo 3-complexon 3-non-rare earth element systems. (INIS-mf – 4192) 375585
Barlas, A.D.
The Compton defect: double differential inelastic cross section of keV electrons from helium and molecular hydrogen. 353183
Recent H.E.E.I.S. results on the Compton defect. 371463
Barley, R.W.
Corrosion and hydriding of zirconium and its alloys. 373105
Barlich, B.
The emanation of radon from the surface layers of uranium in the process of uranium remaking. 370299
Barloutaud, R.
Inclusive production of charged pions in K^-p interactions at 32 GeV/c. 353960

Barlow, M.J.
Graphite grain surface reactions in interstellar and protostellar environments. 359051
Barlow, P.
Dislocation climb sources activated by 1 MeV electron irradiation of copper nickel alloys. 349583
Dissociated structure of dislocation loops with Burgers vector a<100> in electron-irradiated Cu-Ni. 349584
Barlow, R.
Evaluation and assessment of nuclear power plant seismic methodology. (UCRL – 52236) 357733
Barlow, R.J.
High multiplicity π⁻d interactions at 21 GeV/c. 356503
Barmasch, M.
Correlation between the estimated molecular weight and the immunological properties of ^{125}I-TSH. 373760
Barmin, V.V.
Experimental limittion on probability of the Ksub(L)→eta(480)+γ decay. (ITEF – 3) 353765
Barna, B.
Laboratory, greenhouse and field methods for screening rust-resistant wheat cultivars. 373750
Barna, K.
Preparation of sup(99m)Tc-Sn-tetracycline antibiotics and their organ distribution in rats. 373019
Barnabe, R.C.
Effect of whole-body irradiation with several radiation doses on the quality of rabbit sperm. 352034
Barnard, J.W.
Nucleon separation and pairing energies, decay energies and atomic masses for 68 <= Z <= 72. 359523
Precise atomic masses and mass differences for W and Re. 356877
Precise single neutron separation energies of Ti, Fe, and Zn. 356694
Barnard, R.
Experiments in high voltage electron microscopy. Progress report, October 31, 1976 – August 1977. (COO – 2119-19) 362542
Barnard, R.S.
HVEM studies of irradiation damage in oxides. (COO – 2119-20) 373369
Barnard, R.W.
Log interpretation techniques. (SAND – 77-0300) 365297
Barneoud, D.
High spin states in ^{163}Tm. 356761
Intrinsic and rotational levels in ^{167}Lu. 354142
Barner, J.O.
Advanced carbide fuels: U.S. experience. (LA-UR – 77-1353) 352720
Design and performance of shroud tubes. 379771
Design and performance of shroud-tubes in sodium-bonded advanced fuel elements. (LA-UR – 77-1250) 358291
Barnert-Wiener, H.
Applicability of electrostatic precipitators in reprocessing plants and their limits. 359842
Barnert, H.
Benefits and risks of nuclear power. (Juel-Conf – 17(3.rev.ed.)) 360420
Barnes, A.
Reexamination of two-fluid solar wind models. 359138
Barnes, A.J.
Vibrational spectroscopy – modern trends. 372984
Barnes, B.K.
Cross sections, angular distributions, and magnetic substate populations in the ^{23}Na(n,n'γ) reaction. 364764
Barnes, C.
Light absorption and scattering mechanisms in laser fusion plasmas. (UCRL – 80153) 377341
Barnes, C.A.
^{9}Be + ^{12}C, ^{9}Be + ^{16}O, ^{9}Be + ^{19}F reactions at energies below the barrier. 359528
Barnes, C.E.
Development of efficient, radiation-insensitive GaAs:Zn LEDs. (SAND – 76-5554C) 366064
Radiation effects in optoelectronic devices. (SAND – 76-0726) 352843
Barnes, D.C.
Computation of magnetohydrodynamic flow in a magnetically confined plasma. 361496
Barnes, D.W.H.
High energy fast neutrons from the Harwell variable energy cyclotron. II. Biologic studies in mammalian systems. 379007
Barnes, E.
Free sup(99m)Tc-pertechnetate found in radiopharmaceuticals as a result of chemical impurities from eluants. (INIS-mf – 4010) 357090
Barnes, F.E.
Quarks, gluons, bags, and hadrons. 372361
Barnes, F.Q.
Evaluation of modern uranium prospecting techniques. (AECL – 5713) 360141, 365264
Barnes, I
The behavior of potassium in the blast furnace deduced from isotope tracers. 367882
Barnes, J.F.
Equations of state for LMFBR materials. (CONF-761001 – P4) 362860
Barnes, J.M.
Nuclear performance calculations for the ELMO Bumpy Torus Reactor (EBTR) reference design. (ORNL/TM – 6085) 372012
Sensitivity of the first-wall radiation damage to fusion reactor blanket composition. (ORNL/TM – 6105) 377342
Barnes, J.P.
Tensile creep of beta phase zircaloy-2. (CEGB-RD/B/N – 4073) 354502
Barnes, J.W.
The production of medically useful radioisotopes at the Los Alamos Meson Physics Facility. (INIS-mf – 4010) 356850
Barnes, K.J.
Nonlinear chiral models and many-dimensional solitons. 359227
Barnes, K.S.
Classical collisions of protons with hydrogen atoms. 371462
Barnes, P.R.
Effects of nuclear electromagnetic pulse (EMP) on nuclear power plants. (ORNL – 5029) 357730
Barnes, R.G.
^{93}Nb Knight shift and quadrupole coupling parameters in the orthorhombic β phase hydride and deuteride of niobium. 358879
Barnes, R.S.
European steel making by direct nuclear power application. 350405
Barnes, R.W.
The Canadian program for storage and disposal of spent fuel and high-level wastes. 358529
Barnes, S.
Liquid metal cooled nuclear reactors. (UK patent document 1488478/A/) 376556
Barnes, S.E.
EPR fine structure of S state ions. 378636
Barnes, T.G.
Infrared spectra of the WN stars HD 50896 and HD 151932. 372123
Barnes, V.E.
Inclusive charged pion production in π⁻p interactions. (COO – 1428-443) 364560
Barnett, B.A.
Search for narrow resonant states in e⁺e⁻ collisions near 6 GeV. 351208
Barnett, C.F.
Fundamental atomic collisional processes in negative ion sources for H⁻. (CONF-770940 – 10) 371473
Status of the USA program on the development of submillimeter lasers to measure ion temperatures. (CONF-770954 – 5) 377343
Barnett, D.M.
Strain energy interactions, the T/sub o/ concept and sympathetic nucleation. 361467
Barnett, N.J.
Inhalation Toxicology Research Institute annual report, October 1, 1975 – September 30, 1976. (LF – 56) 362718, 362729, 362732, 362740, 362742, 362743, 362744, 364853, 364855, 364893, 364896, 364897, 365281, 365326, 365330, 365337, 365338, 365401, 365410, 365411, 365412, 365413, 365414, 365416, 365417, 365418, 365419, 365425, 365426, 365427, 365428, 365429, 365430, 365433, 365434, 365440, 365441, 365442, 365443, 365444, 365445, 365446, 365449, 365450, 365451, 365452, 365458, 365461, 365536, 365553, 365617, 365713, 365719
Inhalation Toxicology Research Institute. Progress report, October 1, 1975 – September 30, 1976. (LF – 56) 362714, 362715, 362716, 362719, 362723, 362726, 362727, 362728, 362737, 362738, 362739, 362741, 362746, 362747, 362748, 362749, 362750, 362755, 362756, 362758, 362759, 362844, 362845, 362846
Barnett, P.G.
A comparison between three different methods for thermal testing a transport flask. 350003
Barnett, R.M.
Search for heavy particles. (SLAC-PUB – 1891) 377706
The source of trimuon events in neutrino scattering. 369265
Barnett, R.O.
Theoretical tornado vortex model for nuclear plant design. 357821
Barney, G.S.
Alpha radiolysis of tributyl phosphate: effect of diluents. (ARH-ST – 153) 357134
Process for converting sodium nitrate-containing, caustic liquid radioactive wastes to solid insoluble products. (US patent document 4,028,265/A/) 374402
Barnham, K.W.J.
Inclusive yields and transverse spectra of non-strange mesons. 353853
Study of the reactions K⁻p→K⁺K⁻Λ and Kp→panti pΛ, at 10 and 16 GeV/c. 353978
Total cross sections for charged-current neutrino and antineutrino interactions in BEBC in the energy range 20-200 GeV. 353945
Barnhart, T.F.
Process for direct-reduction of iron-ore employing nuclear reactor-powered catalytic reformer. (US patent document 4,047,935/A/) 374189
Barnsley, M.F.
Lower bounds for quantum mechanical energy levels. 368523
Barnthouse, L.W.
Selective analysis of power plant operation on the Hudson River with emphasis on the Bowline Point Generating Station. Volume 1. (ORNL/TM – 5877/V1) 360175, 360176
Baro, R.
Textures of iron oxide ores by neutron diffraction and topotactical relation. 366483
Baroff, J.
Improving regulatory effectiveness in Federal/State siting actions: Federal/State regulatory permitting actions in selected nuclear power station licensing cases. (NUREG – 0200) 366172
Baron, E.
The new generation of multicharged heavy ion sources. 358913
Baron, J.
Cytogenetic and autoradiographic investigations in gonadal

dysgenesis. 362765
Utilization and performance of sodium instrumentation during start-up and initial operation of PHENIX. (CONF-760503 - P2) 352768
Baron, J.M.
Inhibition of human lymphocyte transformation by human alpha-foetoprotein (HAFP): studies on the mode of HAFP action and the role of HAFP polymorphism. 376155
Baron, S.Kh.
Gas scintillation counter for soft x-ray radiation. (Soviet patent document 446009/A/) 355499
Baron, V.V.
Production of niobium and niobium-germanium superconductive films by vacuum deposition. 369874
Barone, M.
Further evidence for production of electrons with small transverse momenta in pp collisions. 377784
Baros Leite, C.V.
L-subshell ionization of heavy atoms by proton impact. 377101
Barosi, A.
Use of neutron radiography for quantitative measurements of sorbed hydrogen in getters and quality control of nuclear fuel pins. 376431
Barr, D.W.
Reaction rate measurements in BIG-10. (HEDL-TME - 75-130) 351330
Barr, E.B.
Development of a parallel impactor. (LF - 56) 365719
Barr, F.P.
Microprocessor: controlled inhalation exposure system. (LF - 56) 365713
Barr, O.C.
Laser-matter interaction studies at NRL. 372038
Barr, P.
An increase in the x-ray absorption of NGC 4151. 356180
Barr, S.
Preliminary results from sulfur hexafluoride and deuterated methane releases of December 10, 1975. (DP - 1455) 367429
Barr, S.M.
Rate for $\mu^- \rightarrow e^- + e^- + e^+$ in two SU(2) x U(1) models. 359228
Barr, W.L.
Design of an electrostatic end-plugged plasma-confinement device. (UCRL - 79880) 368975
Engineering of beam direct conversion for a 120-kV, 1-MW ion beam. (UCRL - 79718) 371738
Experimental and computational results on direct energy conversion for mirror fusion reactors. 349039
Neutral beam based on positive ions with direct energy conversion. (UCRL - 80418) 377489
Barra, R.
Actions of exogenous histones and other proteins on [^{3}H]-thymidine incorporation into DNA of Novikoff hepatoma cells. 360305
Barraclough, S.A.
Effects of thermal discharges on aquatic biota. Combined effects of waste heat and environmental factors acting in concert. (BNWL - 2100(Pt.2)) 362594
Effects of water quality alterations on fish behavior. (BNWL - 2100(Pt.2)) 362936
Barrandon, J.N.
3.5 MeV triton activation for elements with $Z < 34$. 356932
Barratt, C.
Multi-Regge limit of the Veneziano model and the new trajectories. II. 372481
Barratt, R.O.
US LMFBR coolant system components. 379809
Barreau, A.
Two methods of optimizing hot water pipeline networks. 355656
Barrero, A.
Self-similar deflargation in laser half-space plasmas. (INIS-mf - 3963) 372011
Self-similar motion of laser half-space plasmas. 1. Deflagration regime. (JEN - 395) 368988
Barresi, V.
Case of myocardial abscess evaluated by radionuclide techniques: case report. 373691
Barret, N.
Redlight for yellowcake. 357471
Barreto, E.
Formation of small sparks. 366500
Barreto, F.C.S.
The antiferroelectric phase in KCN. (PUC-TN - 23/76) 350777
Barrett, C.A.
Oxidation and corrosion behavior of modified-composition, low-chromium 304 stainless steel alloys. (N - 77-23241) 362308
Barrett, J.H.
Channeling in V_3Si: Atomic displacements and electron-phonon/defect interactions. 365246
Modelling displacement correlations in computer simulations of particle-solid collisions. 371618
Well-channeled ions with greater-than-random energy loss rates. (INIS-mf - 3995) 377155
Barrett, P.J.
Cross-field current-driven ion acoustic instability in a bounded plasma with collisions. 350864
Barrett, P.R.
The variance of the temperature distribution in a reactor cell. 355327
Barrett, R. C.
Nuclear sizes and structure. 354042
Barrette, J.
Determination of the static quadrupole moment of the 1.98-MeV 2^+ state in ^{18}O. 351349
Diffusion model analysis of the energy dependence of fission-like mass distributions. 354043
Isotope and element distributions of the evaporation residues from fusion of 160 MeV ^{32}S with ^{24} ^{25} ^{26}Mg and ^{27}Al. 364818
Measurement of the static quadrupole moments of the first 2^+ states in ^{76}Se, ^{78}Se, ^{80}Se and ^{82}Se. 354229
Barrie, J.N.
A simple-beam diameter transducer for tensile testing of round specimens at constant true strain rates. (AECL - 5685) 360739
Barrios, N.
Determination of uranium in aqueous solution by x-ray fluorescence. 369522
Barritault, L.
Tomography by compton scattering scintigraphy. (INIS-mf - 4010) 358335
Barrois, B.C.
Superconducting quark matter. 356392
Barros Ferraz, E.S. de
Simultaneous determination of soil density and moisture by gamma ray attenuation from Cs^{137} and Am^{241}. (INIS-mf - 3427) 357443
Barros Leite, C.V. de
Relative radiative decay rates of vacancies in L-subshells of heavy elements. (PUC-TN - 2/77) 350567
Barros, H.G.P.L. de
Charged particles scattering in the presence of an homogeneous magnetic field. (PUC-TN - 16/77) 350581
Excitation of sodium and potassium by electron impact. 358702
Resonant excitation of lithium by electron impact in the Glauber approximation. 358703
Resonant excitation of lithium by electron impact. 358704
Theory of electron-hydrogen atom collisions in the presence of a laser field. (PUC-TN - 17/77) 364618
Barros, H.L.C.
Thermal studies on Cr-doped V_2O_3 crystals. 365198
Barros, S.
Measurement of delayed neutrons in the photofission of ^{238}U e ^{232}Th. 354240
Barroso, A.
Parity violating effects in the coherent scattering of neutrons by ^{209}Bi. 372673
Barrow, J.D.
The homogeneity and isotropy of the universe. 359052
Modern cosmological models. 366664
Primordial black hole formation in an anisotropic universe. 372120
Barrus, D.M.
Control rod and/or instrument tree assembly. (US patent document 4,045,283/A/) 374186
Barry, D.N. III
Recent legal problems in acquiring nuclear fuel. 363706
Barry, J.M.
Method of implicit non-stationary iteration for solving neutron diffusion linear equations. 366900
Bars, I.
Spinor theory of general relativity without elementary gravitons. 361245
Barsamian, E.M.
Diagnosis of acute myocardial infarction in patients undergoing open heart surgery: a comparison of serial myocardial imaging with cardiac enzymes, electrocardiography, and vectocardiography. 357646
Barsan, R.M.
Distributed model analysis of charge-transfer devices. 355943
Fringing fields and interface states effects on incomplete charge transfer in charge-coupled devices. 355944
The influence of design parameters on the fringing fields in charge-coupled devices. 358370
Barschall, H.H.
Detection system for charged particles produced by neutrons. 379854
E-Division activities report: FY 1977. (UCID - 17271-77) 356530
High energy-high intensity neutron sources for fusion technology and radiotherapy applications. 353650
Barschdorff, D.
Mass flow measurement with an infrared absorption measuring unit in the MARVIKEN-II blowdown experiments. 370876
Barsell, A.W.
Assessment of HTGR accident consequences. 365517
Barshay, S.
Nonconservation of muon number in a model of lepton structure. (CRN-HE - 77-4) 364471
Trimuon production in neutrino and muon interactions from structure at the lepton vertex. 361770
Barsotti, R.
Control of the J.C.L. system (for IBM/360-370 systems). (IEA-TI - 56) 366211
Barsova, L.I.
Possible structures of the hole centre in irradiated magnesium oxide. 354454
Barsukov, K.A.
On radiation of a charged particle moving along a waveguide with non-stationary nonuniform loading. 366244
Barta, C.
Method of phosphate glass production. (Czechoslovak patent document 156843/B/) 371079
Bartal, A.
Immunotherapy counteracting the immuno-depressive effect of

radio and chemotherapy. 379076
Bartalucci, S.
Experimental confirmation of the 1100 MeV structure and first observation of the leptonic decay of the rho' (1250). (DESY – 77/59) 356491
Measurement of the photoproduction phases of the rho, ω, and phi mesons. (DESY – 77/56) 353934
Measurement of the real part of the virtual compton amplitude and of the invariant mass yield of the photoproduced e^+e^- pairs in the mass range 1,500 < m < 2,000 MeV. (DESY – 77/60) 356492
Bartashevich, O.V.
Way of investigation into rocks. (Soviet patent document 481009/A/) 362564
Bartaya, R.A.
Some results of classification of stars in Kapteyn areas applied to galactic structure in NGP. 369127
Bartels, A.
Radiation induced Be segregation in the alloy Cu/182 at ppm Be. 373358
Bartels, I.
Pinning of 180° Bloch walls at etched nuclear tracks in LPE-grown iron garnet films. 373357
Bartels, P.H.
Improved instrumentation and techniques for non-invasive detection, characterization and quantification of atherosclerosis for research and diagnostic purposes. Annual report, 23 Jun 1975 – 22 Mar 1976. (PB – 268227) 365472
Bartels, P.J.
The influence of experimental conditions on the efficiency of labeling of bleomycin with ^{99}Tcsup(m), using Sn(II) as the reductant. 375623
Bartelt, G.E.
Behavior and transport of industrially derived plutonium in the Great Miami River, Ohio. 365312
Bartenev, G.M.
Amorphization of quartz monocrystal irradiated by fast neutrons. 370134
Barter, J.D.
Ion cyclotron resonance heating in the Wisconsin supported toroidal octupole. 348877
Barth, C.J.
Skin heating and confinement in a tokamak plasma. (INIS-mf – 3963) 371916
Barth, J.
Solubility of plutonium and americium-241 from rumen contents of cattle grazing on plutonium-contaminated desert vegetation in in vitro bovine gastrointestinal fluids, November 1974 – May 1975. (NVO – 171) 379131
Barth, S.
Influence of the size and shape of cooling channel blockages on the emergency core cooling in the reflood phase of a LOCA. (KFK – 2435) 357796
Barth, W.
Experience with two large-scale Hell-cryostats for a superconducting r.f. particle separator working in a closed cycle with a 300 W refrigerator. 360711
Barthel, F.
Uranium prospecting in the Federal Republic of Germany. 365252
Barthelemy, A.
Phagocytosis-induced ^{45}calcium efflux in polymorphonuclear leucocytes. 354830
Barthelemy, F.
Application of the regulations on pressurized components or light water reactor primary coolant circuits. (INIS-mf – 4056) 361174
Barthelemy, F.L.
In-service – pressure test of the primary circuit of the Chooz nuclear power plant. (INIS-mf – 3968) 371274
Bartho, H.
The semiconductor detector probe 72030, with the RFT radiation measuring unit 20026, for the diagnosis of intraocular tumors. 355500
Barthold, W.P.
Assumptions, constraints and methodology of ANL advanced fuels system studies. 379728
Breeding performance of carbide and nitride fuels in 2000 MWe LMFBRs: a preliminary report. Part I. Assumptions, constraints and methodology. (ANL-AFP – 30) 363488
Unprotected loss-of-flow transients in large LMFBRs. (CONF-761001 – P3) 365618
Bartholomae, K.P.
The dependence of the mass identification scale on different track formation models. 360122
Bartholome, G.
Judgement of test results in in-service inspections. 370810
Bartholome, L.
Determination of octadecylamine in cooling circuits of power plants by atomic absorption spectrophotometry. 375271
Bartine, D.E.
Application of an advanced shielding analysis system to gas-cooled fast reactor designs. (CONF-770401 – 30) 360963
Feasibility of denatured LMFBRs. 352725
Summary of the fifth international conference on reactor shielding. 367818
Bartke, J.
The effect of resonance production on angular correlations. 353935
On the angular distribution of spectator nucleons in high-energy collisions with deuterium nuclei. (INP – 909/PH) 372362
Production of π^0 mesons in K^+p interactions at 8.2 GeV/c. 353936
Bartko, J.
Method and apparatus for determining uranium concentration in a moving stream. (US patent document 4,043,755/A/) 378091
Bartl, A.
Low-energy $\pi\Delta$ photoproduction and the Δ N axial- transition vertex. 359229
A Regge model with derivative relations for $\pi N \rightarrow$ (rho, ω)N. 356393
Bartlett, D.F.
Search for tachyonomonopoles in cosmic rays. (COO – 2114-24) 351211
Bartlett, D.T.
Latent image fading in nuclear emulsions. 361022
Bartlett, J.F.
Charged current differential distributions in the Caltech-Fermilab γ-experiment. 353931
A measurement of the neutral current coupling in neutrino inclusive reactions. 353932
Normalized small-y cross sections for neutrinos and antineutrinos at high energy. 359333
Rate of dimuon production from neutrinos and antineutrinos at high energy. 366880
Bartlett, J.W.
Incentives and technology for partitioning. (BNWL-SA – 5336) 352853
Perspectives on risk assessment for radioactive waste management systems. 352316
Safety assessment of geologic repositories for nuclear waste. (BNWL-SA – 6068) 374423
Ultimate disposal: a plan for achievement. 363655
Bartlett, P.D.
Reaction of singlet oxygen with 4-methyl-2,3-dihydro-γ-pyrans. 378264
Bartnik, E.A.
Chaotic isospin zero state of one mode isovector field. 353037
Scaling and impact parameter structure in pp scattering. 369266
Barto, Ch.
Semi-conductor probe for eye carcinomas diagnosis. (INIS-mf – 4017) 374295
Bartoe, J.-D.F.
Lines of H_2 in extreme-ultraviolet solar spectra. 359106
Bartoli, B.
Description and performance of MEA, the magnetic detector at ADONE. 379480
Bartolome, J.
Reorientation motions of the ammonium group in NH_4ZnF_3 studied with inelastic neutron scattering. (INIS-mf – 4267) 377290
Bartolomej, G.G.
Simplified determination of average neutron yield per thermal neutron absorbed in light water-uranium lattice. 358034
Barton, C.F.
Computerized axial tomography for neutron radiography of nuclear fuel. 379522
Barton, C.J.
Very-high-temperature gas reactor environmental impacts assessment. (ORNL/TM – 5914) 358112
Barton, G.B.
Review of sodium removal processes using water. (CONF-760503 – P2) 352744
Barton, J.J.
Three Mile Island Startup program and its contributions to plant performance. 358210
Barton, J.P.
Resonance energy neutron radiography techniques. 379524
Barton, P.H.
Design for maintenance during operation. 358111
Barton, R.
Design of gravitational antennae for use at 3 mdegreeK. 352833
Bartov, A.V.
New high-current relativistic electron beam accelerators at the I.V. Kurchatov Institute of Atomic Energy. (IAEA – 200) 364164
Bartram, S.F.
Microstructural study of the crystallization of the amorphous alloy $Ni_{40}Fe_{40}P_{14}B_6$. 360002
Barts, B.I.
Hartree-Fock method with effective interaction depended on density and self-consistency conditions. 375112
On the nucleon association theory in light nuclei. (KFTI – 75-25) 356565
Bartsch, H.
Investigation of the neutron rich nuclei ^{108}Rh and ^{109}Pd. 356695
Bartsch, R.R.
Feedback stabilization experiments using l=2 equilibrium windings in Scyllac. (INIS-mf – 3963) 371739
Bartu, A.S.
Use of on-line computers in boiling water reactor power plant. 350166
Baru, V.E.
Investigation of electrode processes during electrorefining of hafnium. (INIS-mf – 4189) 375434
Preparation of highly pure vanadium by the electrorefining of wastes of industrial vanadium base alloys. (INIS-mf – 4189) 375412
Barua, A.K.
Photodissociation of HD^+ by electronic and vibrational excitations. 374606
Rotational transitions in collisions between molecular ions: First-order calculations for HD^+-HD^+. 350573

Barua, D.
Canonical quantization of fields with higher-derivative couplings. 358631
Gauge theories of massive vector fields without scalar fields. 364472
Baruch, P.
Radiation defects and impurity diffusion in silicon. 370135
Barut, A.O.
Form-factor corrections to superpositronium and short-distance behavior of the magnetic moment of the electron. 351139
Barutcugil, E.
Dependence of the gamma-ray linear attenuation coefficient on the amount of cement in concrete. 372569
Barve, Y.D.
Radioactive tracer studies at the port of Cochin for location of dumping grounds. 367395
Sediment transport in the coastal environment – a case study of Marmugoa Harbour. 370284
Barvinskij, A.O.
Problems of classical and quantum gravitational collapse. 1. 369185
Barwicz, W.
Electron beam irradiation processes. 365678
New methods of metal melting in vacuum. 373973
Steel thermal treatment by means of the electron beam. 373972
Baryba, B.Ya.
Neutron detector with gamma-ray compensation for measurements with the time-of-flight method. (FEI – 577) 376607
Barybin, V.I.
Voltammetry of products form chlorination of dioxides of uranium, plutonium, americium and cerium with tetrachloromethane in the NaCl-KCl melt. (INIS-mf – 4189) 375622
Barylko, M.
Chromosphere of F, G, K type stars. Pt. 1. One-component models. 372174
Baryshev, A.I.
Study of coherent synchrotron oscillations of the Yerevan synchrotron beam at the acceleration of particles up to 3 GeV. 350049
Baryshev, V.I.
Analog memory device with a two-step data recording. 350370
Baryshev, V.L.
Conductive shells compression in pusle high magnetic fields. (IAE – 2624) 356079
Baryshevsky, V.G.
Quadrupole moment and quadrupole relaxation of spin of muonium and mesoatoms. 366318
Baryshnikov, N.K.
Control computer system for a proton cyclic accelerator. (INIS-mf – 3909) 374042
Baryshnikov, N.V.
Interaction between liquid magnesium and yttrium fluoride dissolved in melt of sodium and calcium chlorides. (INIS-mf – 4187) 375413
Study of thermal decomposition of $EuCl_3x6H_2O$ by high-temperature infrared spectroscopy. (INIS-mf – 4187) 375414
Thermochemical characteristics of interaction between yttrium and magnesium fluorides and sodium and calcium chlorides in melts. (INIS-mf – 4187) 375556
Baryshnikov, S.B.
Measurement of lattice dielectric permeability of PbTe by the magnetoplasma wave method at 77 K. 374668
Barz, H.J.
Tracerkinetic investigations on isomerization and synthesis of C^8-aromates. 2. 372954
Barzantny, J.
Safety and process instrumentation – layout. 376465
Bas, E.B.
LEED and emission electron microscopic investigations of carbon segregations on W(001) surface. 369903
Basak, A.K.
^{3}He D-state effects in (d,^{3}He) reactions. 356865
Tensor analysing powers of (d,p) reactions on ^{28}Si, ^{67}Zn, ^{90}Zr and ^{208}Pb at 12.3 MeV. 377964
Basak, S.
Kdegsub(L)→μsup(-)μsup(+) decay and CP conservation. 359313
Basalaev, A.A.
The processes of electron capture from noble gas atoms to different states of multiply charged argon ions. 358693
Basano, L.
Absorption of particles in extended relativity. 363750
Basargin, N.N.
Concentrating and separation of rare earths from mineral object solutions with new chelate sorbents. (INIS-mf – 4192) 375220
Basargin, O.V.
Investigation of iron-nickel alloys by means of X-ray emission spectroscopy. 349490
Basavaiah, S.
Investigation of the thermal cycling of Pb-alloy Josephson tunneling gates. 367914
Basavaraju, G.
Compton scattering of 1.12 MeV gamma rays by K-shell electrons. 361917
Gamma ray attenuation measurements. 369398
Basbas, G.
Projectile charge-state dependence of K-shell ionization by silicon ions: A comparison of Coulomb ionization theories for direct ionization and electron capture with x-ray production data. 363906
Basbas, George
Comparison of vicinage effects in ion cluster penetration in gases and in condensed matter. 358705
Basdevant, J.L.
Unitary coupled-channel analysis of diffractive production of the A_1 resonance. 359230
Basenko, V.K.
Technique for electronic collimation of DD-neutrons by means of Ge(Li) detector. 358332
Basford, N.L.
Basic study on the role of thymus in hemopoietic differentiation. (CONF-770952 – 1) 362667
Bash, F.N.
Galactic density wave, molecular clouds, and star formation. 372121
Interim report on the Texas survey. 366687
Basha, A.F.
Magnetic properties of some terbium alloys with a CsCl structure. 374669
Basham, S.J.
Use of scale models to assess structural response of nuclear shipping containers under accident conditions. 350032
Bashev, V.F.
Formation of amorphous phases in Fe-B and Fe-C alloys in abrupt quenching of the melt. 370004
Bashindzhagyan, G.L.
Composition and properties of cosmic radiation on mountain altitudes. 361668
Device for automatic data processing of ionization measurements made by multilayer detectors. 371080
Bashir, S.
Utilization of α-autoradiography of rocks in the investigation of the radioactive equilibrium. 367028
Bashkin, A.S.
DF-CO_2 chemical amplifier of light short pulses. 376328
Bashkirov, A.N.
Disproportionation of olefins on alumomolybdenum and alumorhenium catalysts, promoted by tetraalkyl of tin derivatives. 349218
Bashkirov, Sh.Sh.
Inducing spin reorientation in the region of phase transformation in $YFeO_3$. 374670
Bashkov, B.I.
On structure of scandium compounds of alunite type. 349290
Bashliu, K.
Topological cross sections of np-interactions in the monochromatic neutron pulse range from 1 to 5 GeV/c. (JINR – 1-8565) 356475
Bashmakov, V.S.
Distribution of hydrogen negative ions concentration in a duoplasmatron. (FEI – 545) 376352
Bashnin, A.Yu.
Formation temperature and growth kinetics of flakes in the 35KhN3MFA steel. 349533
Basiev, T.T.
"Capture of excitation" effect in the system of interacting particles in a crystal. (INIS-mf – 3955) 361421
Experimental observation of "Excitation trapping" in a system of strongly interacting particles. 355945
Luminescence and migration of energy in silicate glass activated by Eu^{3+} during monochromatic laser excitation. (INIS-mf – 3955) 362146
Basiladze, S.G.
About a technique of standard signal transmission with the help of integrated circuits by the long communication cables. (JINR – 13-9345) 358408
Calculation of the efficiency and losses of electronics for drift chambers. 355501
A coding and reading data unit from hodoscopic recording systems in the CAMAC standard. 363552
Fast shaper with digital control of the threshold, delay and output pulse width. 376739
Fast 32-channel hodoscope unit of the gate with a memory and data transmission to the CAMAC dataway. (JINR – 10-9583) 355606
Integrated circuits with emitter coupling and their application in nanosecond nuclear electronics. 371153
Multi-purpose two-doubled timer. (JINR – 13-9550) 363607
Photomultiplier power supply with frequency up to 100 MHz. (JINR – 13-9172) 350353
Power supply for a 100 MHz photomultiplier. 376675
Readout system for magnetostriction spark chambers. (JINR – 13-9919) 379860
Starting system for a 2-meter streamer spark chamber in a 17 GeV/sec α-particle beam. (JINR – 13-9030) 358334
Test block and principles for testing logic circuits. (JINR – 10-9173) 358407
160 MHz decimal counter with digital indication in the CAMAC standard. (JINR – 10-9520) 379966
2500 channel system with proportional and drift chambers for study on hadron scattering. (JINR – 13-8967) 358328
32-channel fast hodoscopic gate circuit with a memory and data output on a CAMAC dataway. 371154
Basile, M.
Search for fractionally charged particles produced in proton-proton collisions at the highest ISR energy. 361873
Test of a silica aerogel Cherenchov counter. 361023
Basilevskij, V.P.
The safety problems of nuclear power plants with channel-type, graphite, boiling-water reactors. 370875

Basilova, R.N.
On fluxes of secondary protons at Ek > 500 MeV on altitudes of 200-300 km. 376040
Basin, S.L.
Characteristics of instrumentation and control system failures in light water reactors. (EPRI-NP – 443) 365518
Characteristics of pipe system failures in light water reactors. (EPRI-NP – 438) 362861
Characteristics of pipe system failures in light-water reactors. 352191
Basin, Ya.N.
Theoretical optimization of instrumentation for multi-probe neutron logging. 349650
Basiouny, F.M.
Evidence for root Fe nutrition in Hydrilla verticillata Royle. 357657
Basitova, S.M.
DTA and differential thermogravimetric analysis of rhenium and molybdenum sulfides. 349217
Types of rhenium and molybdenum present in oil-shales. 349201
Basko, M.M.
Evaporative winds in x-ray binaries. 350980
Results of optical observations of the Cygnus X-2 and Scorpius X-1 x-ray sources. 364277
Baskov, L.I.
Features of a process for vitrifying radioactive waste without precalcination and radionuclide behaviour in the process. 358489
Baskov, V.L.
Heat transfer on turbulent liquid flow under supercritical pressure in tubes in conditions of cooling. 376296
Baskova, A.P.
Study of thermal stability of hafnium tetraiodide. (INIS-mf – 4187) 375440
Baskova, K.A.
De-excitation of ^{133}Cs levels excited in the (n, n'γ) reaction. 375154
Level scheme of sup(105)Pd. 359375
Basler, G.
Equipment for fully automatic radiographic pipe inspection. (German (F.R.) patent document 2520065/C/) 365763
Radiometric inspection of glass fibre reinforced pipes by means of an image analyzing system. 355100
Basler, R.P.
Antenna concepts for interstellar search systems. 366665
Basmadjian, G.P.
Chemistry of technetium phosphonate complexes. (INIS-mf – 4010) 357081
A stable solid insoluble support for stannous ions: potential uses in the preparation of new radiopharmaceuticals. (INIS-mf – 4010) 367145
sup(99m)Tc tin phosphate: a reticuloendothelial system scanning agent. (INIS-mf – 4010) 357080
Basmajian, J.A.
Correlation for boron carbide helium release in fast reactors. (HEDL-SA – 1189-FP) 379580
Basov, N.G.
Investigation of compression of hollow microspheres irradiated by a laser. 348878
Laser thermonuclear installation 'Delfin'. (INIS-mf – 3963) 371740
Laser-stimulated chemical reactions and isotope separation. 363071
On kinetics of laser-produced chemical reactions. 362160
Power lasers for thermonuclear fusion. 350804
Basov, V.A.
Formation of gas bubbles in fluidized bed. 357891
Basova, B.G.
Double ionization chamber for studies on fission fragment spectra. 350288
Mathematical processing of experimental data on neutron yield from separate fission fragments. (NIIAR-P – 262) 377965
Measurement of prompt neutron spectra of ^{233}, ^{235}U, ^{239}Pu fission with thermal neutrons by relative and absolute methods. (INIS-mf – 3896) 356684
Basova, V.G.
Measurement of the mean neutron yield from fragments of spontaneous fission of ^{252}Cf and thermal fission of ^{239}Pu. (INIS-mf – 3896) 356696
Basrak, Z.
Evidence for a rotational band in ^{24}Mg and its fragmentation: A rotation-vibration coupling. 372730
Researches with the tandem and the synchrotron. Chapter 1. (CEA-N – 1959) 354137
Bass, B.R.
Stresses in reinforced nozzle-cylinder attachments under internal pressure loading analyzed by the finite-element method: a parameter study. (ORNL/NUREG – 4) 374196
Bass, D.
Effect of radiation and contrast media on chromosomes. 357588
Bass, H.
Lethality in mammalian cells due to hyperthermia under oxic and hypoxic conditions. 376056
Bass, J.C.
Master test plan for the MB-75 mW (B) generators. (GA-A – 14717) 379391
MB-M75 (B) radioisotope thermoelectric generator reliability analysis. (GA-A – 14724) 379388
MB-75 mW (B) program plan. (GA-A – 14716) 379390
Prediction of thermoelectric battery power and voltage for a 15 year lifetime MB-75 mW (B) battery. (GA-A – 14718) 379398
Bass, M.
Direct observation of the dynamics of picosecond-pulse optical breakdown. 351879
Bass, R.
Nucleus-nucleus potential deduced from experimental fusion cross sections. 351264
Bassalleck, B.
A study of the (π^-, 2n) reaction on nuclei of the 1p-shell. (KFK – 2485) 354143
Bassalo, J.M.
Stark broadening of the lines 4121 A and 4437 A of helium in a plasma: quantum-mechanical calculations for the electron impact effects. 355855
Bassani, F.
Choice of gauge in two-photon transitions: 1s-2s transition in atomic hydrogen. 366319
Bassani, L.
Effect of multiple scattering on balloon observation of γ-ray bursts. 374328
Basset, J.Y.
Effect of tin on the tissue distribution of /sup 99m/Tc – sodium pertechnetate. 362764
Bassett, D.W.
Diffusion of single adatoms of platinum, iridium and gold on platinum surfaces. 378593
Bassetto, A.
Sequential decay of anisotropic fireballs. 361955
Bassford, T.H.
Nickel-base alloys for nuclear process heat applications. 360870
Bassi, D.
Interaction of spin selected atomic hydrogen with surfaces. 368735
Bassi, P.
Thermoluminescent dosimeters for UV radiations. 371081
Bassini, A.
Functional investigation and kernel expansion technique for the system of integral equations governing the stationary anisotropic transport of monoenergetic neutrons in threedimensional media. (CNEN-RT/FI – 77-8) 361907
Bassolila, L.
Extraction of tungsten (VI) from hydrochloric and nitric acid solutions by tri-isooctylamine in various organic diluents. 351585
Basson, J.K.
The biophysical basis of radiation protection. (INIS-mf – 4203) 376121
Determination of safe radioactive releases to the atmosphere from the nuclear power site, Dynefontein. (INIS-mf – 4002) 355647
Nuclear techniques in South African industries. 362800
Radioactive tracer investigation of the flow characteristics in sugar crystallizers. 365690
Review of nuclear techniques for process control in the gold and uranium mining industries. 365679
Bast'en, P.
Investigation into hydrogen diffusion in the armco-iron in the 0-300 deg C temperature range and influence of extensive stresses. 370042
Bastasz, R.
Electron induced luminescence as a technique for studying the adsorption of oxygen and the oxidation of thorium. 378594
A LEED and AES study of the structure, Debye temperature, and oxidation of the (111) crystal face of thorium. 354493
Bastawros, A.M.
A study of the ^{39}K(d,α)^{37}Ar reaction. 356697
Basten, J.A.J.
Investigation of the bi-critical point in $CsMnBr_3.2D_2O$ with neutron scattering. (INIS-mf – 4267) 377160
Baster, M.
Wave functions, Slater integrals Ksup(k) and zeta parameter for Pr^{3+}. 363869
Bastia, S.N.
Flow and heat transfer of a viscous fluid about a porous disk rotating with time-variant angular velocity. 356046
Bastien, F.
The Stark broadening of hydrogen lines, direct measurement of the current density in a ionized gas inside a quasi uniform microscopic field. 353184
Basto, M. de L.G.
Thyroid functional exploration with radionuclides in Londrina (Parana)(I). 352087
Bastos Filho, J.B.
Theoretical computation of electronic Grueneisen parameters of metals. 351729
Basu, A.S.
Effect of heat treatments on thermoluminescence of pure Al_2O_3. 362526
Basu, B.
Moment equations treatment of the reconnecting mode. 348879
Basu, D.
Elastic scattering of electrons from atomic helium in the eikonal approximation. 353185
Sea level muon spectrum derived from the Goddard Space Flight Centre measured nucleon spectrum using the Cocconi-Koester-Perkins model. 357545
Sputtering of iron under molecular ion bombardment. 371602
Basu, J.
Determination of electron density and electron collision frequency in a nonuniform plasma column by rf coil probe. 366501
Basu, K.
Preliminary studies on the mitotic irregularities in onion (Allium cepa L.) after single and combined treatments with dimethyl sulfoxide and X-rays. 367473
Basu, M.K.
Alpha-decay without tunnelling : Alpha-decay radius of even-even alpha-emitters. 372580

Coulomb repulsive energy in α-decay : Is it a barrier or the cause. 372579
Basu, P.
A microwave study of heat treatment effects in ceramic CdS pellets. 375577
Basu, P.S.
A study of the restricted energy loss by ionisation of relativistic muons in helium and argon in the momentum range 3-200 GeV/c. 351212
Basu, R.K.
Differential radiosensitivity on a tissue level in Vicia faba and Lens esculenta. 367475
Bat', I.I.
Development of industrial hydrogenating catalyst on rhenium base. 367075
Bataini, J.P.
Radiation-induced cranial nerve palsy. 357589
Batalin, G.I.
Electron-electron interaction effect on the electric resistance of liquid metals. 378653
Batalin, V.A.
Combined operation of the I-2 injector into three beam extraction channels. (ITEF – 34) 376371
Development and operation of new units at the I-2 linac in 1973. (ITEF – 10(1975)) 367971
Parametric resonance in a proton linear accelerator. (ITEF – 87(1975)) 360712
Usage of the I-2 linear accelerator in applied studies. (INIS-mf – 4194) 376353
Batalova, N.B.
Study on interaction of ruthenium- and osmium hexacyanocomplexes with nitric acid. 357043
Batalova, O.V.
Solvent effect on polarographic behaviour of metal lates with 8-mercaptochinoline. 357071
Batanov, L.A.
Use of the time scanning method for analysis of multiprogram digital computer programs. (INIS-mf – 3909) 374518
Batanov, V.A.
Postcritical-density stationary plasma on highly absorbant (metallic) targets in vacuum under TEA-CO_2 laser radiation. 366496
Batata, M.A.
Comparative study of two preoperative radiation regimens with cystectomy for bladder cancer. 373579
Batay-Csorba, P.
Two-proton excitations at the Z=38 and Z=40 sub-shell closures. (TID – 27909) 377956
Batay-Csorba, P.A.
(^{3}He,n) reaction studies near N=82. (TID – 27909) 377959
Excitation of core coupled states in ^{87}Sr and ^{89}Sr via two-step processes in the ^{88}Sr(p,d) and ^{88}Sr(d,p) reactions. 354156
High spin states in ^{88} ^{87} ^{86}Zr. (TID – 27909) 378018
The level structure of ^{111}Ag via the ^{110}Pd(^{3}He, d)^{111}Ag reaction. 354134
Observation of the proton-pairing vibration in ^{206}Pb. 366963
Proton pairing states observed in the ^{208}Pb(^{3}He,n)^{210}Po reaction. (TID – 27909) 377960
Proton shell closures at Z=38. (TID – 27909) 377957
Structure of ^{88}Sr from the ^{86}Kr(^{3}He,n)^{88}Sr reaction. 372695
Study of 2p – 1h states in the Z=50 proton shell via the ^{113} ^{115}In(^{3}He,n)^{115} ^{117}Sb reaction. (TID – 27909) 377958
Batchelor, D.B.
Program plan for electron cyclotron heating experiments on the ISX tokamak. (ORNL/TM – 6011) 371835
Batchelor, R.
First global ratio telescope. 364278
Bateman, E.
Bone mass measurement using a xenon-filled multiwire proportional counter as detector. 360394
Bateman, R.M.
Neutron well logging technique for gas detection. (US patent document 4,047,027/A/) 367883
Batenin, V.M.
Experimental study on bremsstrahlung of electron in a helium atom field. (INIS-mf – 3915) 368609
Batenkov, O I.
Measurement of fission neutron spectra of ^{252}Cf in the energy range from 0.02 to 2.0 MeV. (INIS-mf – 3896) 356698
Bates, C.A.
Rotational invariance and the phonon-induced contributions to spin-hamiltonian parameters for orbital singlet ions. 363953
Bates, D.
Deposition of ^{239}Pu, ^{226}Ra, ^{233}U and ^{241}Am in the gonads of beagles and rats. (COO – 119-252) 373629
Retention and distribution of ^{241}AmIII in neonatal beagles. 370414
Bates, G.S.
Pacific Gas and Electric Company's role in the construction of Diablo Canyon Units I and II. 358208
Bates, H.G.A.
Corrosion behaviour of austenitic Fe-Cr-Ni alloys in HTR helium. 369815
Influence of oxide layers on the carbonisation of alloys in HTR helium. 369822
Screening studies on materials for nuclear process heat systems. 360871
Bates, J.F.
Dependence of irradiation creep on temperature and atom displacements in 20% cold worked type 316 stainless steel. 360081
Bates, J.K.
Sputtered gold and silver atoms isolated in D_2, Ne, and N_2 matrices. 364953
Bates, J.L.
High temperature properties of Zircaloy – oxygen alloys. (EPRI-NP – 524) 362304
Bates, J.M.
Investigation of combined free and forced convection in a 2 x 6 rod bundle. (BNWL – 2216) 363523
Bates, R.C.
Uranium mine radon control research. 379322
Bates, R.H.T.
Recovery of fringe visibility from recorded speckle images quantized to two levels. 356181
Batey, W.
UK irradiation experience relevant to advanced carbide fuel concepts for LMFBR's. 379727
UK irradiation experience relevant to advanced oxide fuel concepts for LMFBR's. 379813
Bath, G.T.
Optically thick winds in classical novae. 374876
Bathgate, M.B.
Mechanical Engineering Department quarterly report, July – September 1977. (UCRL – 50016-77-3) 377378
Bathily, Alassane
Contribution to the structural study of austeno-ferritic steels. Morphological and analytical definition of the ferritic phase. (CEA-R – 4690) 354494
Bathke, C.
Energy distributions and radiation transport in uranium plasmas. (CONF-760646 –) 374127
Bathow, G.
High-frequency configurations to raise the particle energy in PETRA. (SLAC-Trans – 178) 374044
Batist, L.Kh.
Study on decay of ^{118}Xe and ^{119}Xe by means of mass-separator on-line with a synchrocyclotron. 377972
Batista, I.S.
Magnetic storm associated delayed sporadic E enhancements in the Brazilian Geomagnetic Anomaly. 367414
Batistoni, D.A.
Spectroscopic element detector for gas chromatography. 378110
Batkin, I.S.
Atom and nucleus shaking in the bound μ^- meson decay. 348642
On the β-decay into bound states. 377862
Batlogg, B.
Electron-phonon interaction in EuSe from optical absorption. 355946
Batorova, S.D.
Band structure and anomalies of photoconductivity, electrical resistance and magnetoresistance of Cdsub(1-x)Gasub(x)Cr_2Se_4 chalcogenide compound. 368738
Batra, I.S.
Defect structure and post irradiation annealing of neutron-irradiating nickel alloys. 367324
Batrakov, B.P.
Neon liquefier refrigerator. (KFTI – 75-10) 357905
Batrakov, Ju.F.
Evaluation of the effective charges of atoms from combination of the x-ray K sub(α1) chemical shifts and the isomer shifts of the nuclear gamma-ray spectra. 354354
Batrakov, Yu.F.
Investigation into the influence of U_{92} chemical state on the energy of X-ray emission L-transitions. 349327
On use of free atom approximation during interpretation of chemical shifts of x-ray emission lines. 378336
Batsanova, L.P.
X-ray structural investigation of boratofluoroberyllates with the composition $MBe_2(BO_3)F_2$ (M=Na, K, Rb, Cs). 356993
Batsche, H.
Annual report 1975. (GSF-R – 132) 349668
Batskikh, A.A.
Electron accelerator for application in industry. (INIS-mf – 4194) 376381
Batskovich, S.
Multiplicity of secondary charged particles in π^-p and π^-n interactions at 40 GeV/c. 369343
Batsuev, A.A.
Kinetics of tantalum-niobium minerals decomposition with sulfuric acid. 351500
Batsura, A.F.
On the relation of vitamin A to the protein biosynthesis in the organism of intact animals and during the action of ionizing radiation. 365392
Batt, D.L.
Experiment data report for LOFT nonnuclear Test L1-4. (TREE-NUREG – 1084) 360421
Battacharyya, D.P.
Sea level muon spectrum derived from the Goddard Space Flight Centre measured nucleon spectrum using the Cocconi-Koester-Perkins model. 357545
Battarbee, R.W.
Alternative ^{210}Pb dating: results from the New Guinea Highlands and Lough Erne. 370262
Battat, M.
Neutron spectra characteristics for the intense neutron source, INS. (LA-UR – 77-1054) 374045
Battey, G.C.
Uranium exploration in Australia. 365253

Battista, J.J.
Compton-scatter tissue densitometry: calculation of single and multiple scatter photon fluences. 376177
Battiste, L.
Uptake, excretion, and radiation hazards of tritiated thymidine in humans. 360351
Battistuzzi, G.
A plunger device for in-beam measurements of nuclear lifetimes. 363553
Batty, C.J.
E2 nuclear resonance effects in pionic and kaonic atoms. (RL – 77-101/A) 356493
The multi-disciplinary role of 'pion factories'. 365738
Battye, F.L.
Photoelectron spectra of the noble metals. 353401
Batukhtin, V.P.
Electrode processes during electrolysis of molten salts containing halogenides of polivalent metals of the lowest valence. (INIS-mf – 4189) 375469
The method of producing zirconium coatings. (Soviet patent document 449115/A/) 359871
Baturin, P.I.
Targets for storage devices. 350054
Baturov, B.B.
Nuclear superheating of steam. Results and current prospects. 365904
The use of nuclear reactors for centralized heat supply and district heating. 371216
Use of nuclear reactors to produce high-temperature heat for energy-intensive industrial processes. 366129
Baturov, L.N.
On phase transformation in nikel-iodine boracide at 10 K. 361412
Batyaev, I.M.
On praseodymium, neodymium, holmium and erbium complexing with chloride ion in n-propanol. 375493
Batyev, A.Sh.
Superplasticity of the alloy VT9. 365178
Batygin, N.F.
On the periods of enhanced mutability in barley ontogenesis. 365477
Batygov, S.Kh.
Effect of ionizing radiation on crystals of LaF_3 type. 354604
X-ray luminescence of TR^{3+} in ZrO_2 – Y_2O_3 crystals. 365231
Batyrbekov, G.A.
On the possibility of local regulation of enegy release profiles and magnitudes in loop channels. 376453
Some results of post-reactor investigations of the six-element thermionic assembly after 2670 hours of operation. 360578
Batyrev, N.I.
Investigation of liquidus surface in In-InP-GaP system. 359692
Batyrev, V.A.
Structure and strength of the steel plated with nickel alloy using explosion welding. 359926
Batyunya, B.V.
Charge asymmetry at large psub(T) in inelastic anti pp reactions at 22.4 GeV/c. 353943
Multiplicities and forward-backward correlations in anti pp interactions at 22.4 GeV/c. 366882
Photography system for the "Ludmila" facility. Tape transport mechanism, gas panel and control electronics. (JINR – 13-9710) 376608
Batzer, T.H.
Degassing a large LHe cryopump. (UCRL – 79674) 371811
Technology of mirror machines: LLL facilities for magnetic mirror fusion experiments. (UCRL – 79605) 374806
Bau, R.
Neutron and x-ray diffraction studies on tris(dimethylphenlyphosphine)osmium tetrahydride. 378286
Neutron diffraction studies on transition metal hydride complexes. (BNL – 23133) 356994, 371561
Baubillier, M.
The reaction antiproton-proton $\rightarrow 3\pi^{-}\pi^{+}$ between 1.09 and 1.44 GeV/c and the effect of $\pi\pi$ phase shifts. 369372
Baubinas, R.V.
Hole drift in high-resistance p-type CdSe crystalline plates. 348836
Baucom, E.I.
Field manual for stream water and sediment reconnaissance. (DPST – 77-363) 378838
Savannah River Laboratory hydrogeochemical and stream sediment reconnaissance. Raw data release V; studies in the Spruce Pine, Moore, and Johnston, North Carolina, areas. National Uranium Resource Evaluation Program. (DPST – 77-141-1) 378839
Bauder, U.H.
Some recent results in high pressure arc discharge research. 368917
Baudin, G.
Analytical methods applied to water pollution. 369523
Baudinet-Robinet, Y.
Statistical models for charge state distributions of heavy ions in carbon foils and gases. 355856
Baudoin, J.J.
Equipment for the ventilation of shielded cells used in studying the reprocessing of fuels with a very high iodine-131 content. 360675
Baudon, J.
Experimental device for the study of elastic and inelastic diffusion at high-energy He^{+}-He collisions. 366048
Baudriller, P.
Nuclear power plant erection. 355310
Baudry, A.
Quadrupole interaction in the stabilized cubic phase of HfO_2. 350708
Bauer, A.A.
Mixed-nitride fuel performance in EBR-II. 379729
Bauer, B.
Factors affecting the spontaneous release of [^{3}H]glycine from rabbit retina. 367551
Bauer, C.
Emission of X ray continua by bombardment of thick Si targets with protons and ^{14}N ions. (INIS-mf – 3996) 363954
Bauer, D.
Solcoseryl as a powerful radio-protective compound. (SGAE – 2398) 365343
Bauer, D.P.
Substituted uranocenes with alkoxy and amino groups. 365022
Bauer, E.
Adsorption and early stages of condensation of Ag and Au on W single-crystal surfaces. 351700
Condensation of Pd on W(110) single crystal plane. 368866
Contribution of French universities to training developing country personnel in nuclear science. 379599
Field ion microscopy of halogens on tungsten. 378619
Recoil spectroscopy of oxygen on W(100). 370026
Training and education. 371313
Bauer, F.
Effects of lowered coolant temperatures due to accidents on the PWR reactor core. 370903
Bauer, H.
Use of CO-N,β-detectors for power density measurement in PWR reactors; operational experience; long-term behaviour. 370904
Bauer, K.G.
X-ray analysis of thick targets with α-particles. 378092
Bauer, M.
Analytic expression for the single-particle energy levels in nuclei. 369404
The strongest spectral lines of stable elements with other interfering elements in compiled and plotted version. (GKSS – 77/E/30) 353186
Bauer, N.
Compact storage racks for spent fuel elements at the Biblis nuclear power plant. 370905
Bauer, P.
Non linear sounding of the ionospheric plasma. 373462
Observations of neutral composition and related ionospheric variations during a magnetic storm in February 1974. 360193
Bauer, P.J.
Magnetic and ^{57}Fe Moessbauer study of Y(Fesub(1-c) Alsub(c))$_2$ alloys: local environment effects. 368740
Bauer, R.
A study of γ-decay modes from high angular momentum nuclear states by high order multiplicity measurements. 377955
Thermodynamics of the oxidation and carbonisation behaviour of high-temperature alloys in HTR helium. 369812
Bauerle, J.E.
Development of a sodium ionization detector for sodium-to-gas leaks. (CONF-760503 – P2) 352721
Baugh, W.A.
Study of tritium permeation through Peach Bottom Steam Generator tubes. (GA-A – 14376) 368184
Baujat, Jacques
Support device for a nuclear boiler. 355259
Baulch, R.N.E.
Atmospheric waves in the ionosphere due to total solar eclipse. 351963
Baulieu, L.
Muon number nonconserving processes in models with doubly charged leptons. 364459
Baum, B.A.
Viscosity of the Fe-Ni liquid metal system. 369912
Baum, G.
Depolarization effects in pulsed photoionization of state-selected lithium. 350556
Field emission of monoenergetic spin-polarized electrons. 353402
Operating experience with the polarized electron gun at SLAC. 363130
Baum, J.H.
Spacecraft-produced neutron fluxes on Skylab. 372244
Baum, J.J.
Dependence of anti W on the charge of heavy ions. (BNL – 23394) 377139
Baum, J.W.
An intercomparison of dosimetry techniques in radiation fields at two high-energy accelerators. 370655
Rationale for nonlinear dose response functions of power greater or less than one. (BNL – 23150) 360280
Baum, M.R.
B.N.L. work on cavitation in sodium. (IWGFR – 9) 349442
Baum, P.J.
On reconnexion experiments and their interpretation. 366502
Baum, S.
Scintigraphic detection of acute gastrointestinal bleeding. 357631
Baum, S.J.
Experimental hematology today. 370320, 370321, 370346, 370363, 370372, 370373, 370375, 370376, 373553
Baum, V.
Energy in developing countries. Prospects and problems. 366112
Bauman, H.F.
Expansion potential for existing nuclear power station sites. (ORNL/TM – 5927) 373800

Utility survey on nuclear power plant siting and nuclear energy centers. (ORNL/TM – 5928) 352525
Baumann, C.D.
Very-high-temperature gas reactor environmental impacts assessment. (ORNL/TM – 5914) 358112
Baumann, E.W.
Determination of tritium in solutions from nuclear fuel reprocessing. (DP-MS – 77-36) 362317
Baumann, F.
Superconductivity in polymeric sulfur nitride (SN)sub(x) at high pressure. 365171
Baumann, N.P.
Operation of a nuclear test gage at low multiplications. (DP-MS – 77-39) 374273
Operation of a nuclear test gauge at low multiplications. 379831
Baumann, P.
Gamma-ray spectroscopy of ^{37}Cl via the ^{3}H(^{35}Cl,pγ)^{37}Cl reaction. 356699
Baumbach, H.
A contribution to mathematical handling of autoradiograms. 356956
Further development of the instrument and technique for photometric evaluation of autoradiograms. 355613
The possibilities of autoradiographic imaging of the distribution of beta-emitting substances in dynamic processes by means of a gamma scintillation camera. 354889
Quantitative microscale determination of boron spatial distributions with the aid of neutron-induced autoradiography. 354280
Baumgaertel, G.
Fuel reprocessing and waste treatment at Karlsruhe Nuclear Research Centre. 367202
Baumgaertel, K.
Strongly non-linear transverse envelope solitons. 353517
Baumgaertner, F.
Development and status of LMFBR fuel reprocessing in the Federal Republic of Germany. (IAEA-AG – 63-6) 362318
Fuel reprocessing and waste treatment at Karlsruhe Nuclear Research Centre. 367202
On the identification of complexing radiolytic products of the Purex Systems (20% TBP-Dodecane-HNO_3). (KFK – 2304) 365089
State of development and tasks of chemistry and process engineering in nuclear reprocessing. (AED-Conf – 77-197-001) 351685
Baumgaertner, H.
Nuclear heat generation system of a process heat plant for hydrogasification of lignite. 379668
The steam reformer of a process heat reactor, integrated in the prestressed-concrete containments. 370950
Baumgaertner, K.
Investigations of fuel rod failure in the second heatup phase of a LOCA. (KFK – 2435) 358191
Baumgarten, C.
Quantitative investigation of muscular blood flow before and after vascular surgery at the lower extremity, using the ^{133}xenon clearance method. 376179
Baumgarten, S.
Effects of multiple TRH stimulation on the release of pituitary gland and thyroid hormones. (INIS-mf – 4010) 370454
Baumgartner, E.
Scattering of protons from argon and hydrogen at 1 MeV. 366965
Baumgartner, G.
Nuclear power stations as a safety problem. 379214
Baumgartner, J.
Induction of dominant lethal mutations by gamma irradiation of Gallus domesticus spermatozoa. 352027
Baumgold, J.
An approach to the study of intracellular proteins related to the excitability of the squid giant axon. 373698
Baumhacker, H.
First results on the confinement of a laser-produced plasma in the W IIb stellarator. (INIS-mf – 3963) 371741
Baumung, K.
Decay heat measurement of ^{235}U in the time period from 10 to 1000 seconds. (KFK – 2435) 356700
Baumvol, I.
Quadrupolar interactions in $BaHfO_3$. 350784
Baumvol, I.J.R.
Electric field gradient in the cubic Ag host generated by different near-neighbour configurations of Pd impurities. 366401
Perturbed angular correlation measurements in $BaHfO_3$-II. 365005
Baun, W.L.
Fine features in ion scattering spectra (ISS). 371562
Baur, G.
Charged-particle transfer reactions into the continuum: the line-shape of (d,n) and (^{3}He,d) spectra. 375159
Effects of the polarizability in elastic scattering below the Coulomb barrier. 354044
Baur, J.F.
Studies of doublet plasmas in Doublet IIA. 358942
Baus, M.
Microscopic theory of the long-wavelength modes of two component plasmas and ionic liquids. I. 364166
Microscopic theory of the long-wavelength modes of two-component plasmas and ionic liquids. II. 364167, 364168
Bauschlicher, C.W. Jr.
Structure and energetics of simple carbenes CH_2, CHF, CHCl, CHBr, CF_2, and CCl_2. 378210
Theoretical study of the site dependence of the surface vibrational frequencies of H adsorbed on a Be surface. 369901
Bauser, H.
The electret ionization chamber: a dosimeter for long-term personnel monitoring. 371082
Bausman, M.D.
Alignment system for large high-power CO_2 laser fusion systems. (LA-UR – 77-1923) 364169
Bausov, A.V.
Results of test exploitation of well-type stabilized gamma spectrometer. 357442
Some characteristics of the gamma-spectrometer stabilization system with a light diode as a source of datum signal. 367351
Bauspiess, W.
Measurement of the coherent neutron scattering length of ^{3}He by neutron interferometry. 362075
Baust, E.
THTR 300 prototype nuclear power plant – experiences and knowledge gained with the licensing procedure. 370953
Bautzman, D.
Quantitative microscale determination of boron spatial distributions with the aid of neutron-induced autoradiography. 354280
Bawden, J.W.
Autoradiography of ^{65} zinc in developing rat teeth and bones. 365409
Bawin, M.
Hard core in the nucleon-nucleon interaction as a relativistic effect. 351265
Schwartz's method and Goldstein's eigenvalue problem. 355724
Baxendale, J.H.
Comment: lifetimes of the solvated electron in liquid alcohols. 365036
A pulse radiolysis study of solvated electrons in dilute solutions of polar liquids in nonpolar solvents. 362248
Baxi, C.B.
Effect of buoyancy force on the velocity and temperature distribution in the GCFR radial blanket. (GA-A – 14431) 379730
Baxmann, U.
Fundamentals of X-ray fluorescence analysis. 375221
Baxter, A.M.
Low-enrichment and denatured (thorium) fuels for the HTGR: a status report. (GA-A – 14606) 363468
The quadrupole moment of the first 3$^-$ state in ^{208}Pb. (ANU-P – 667) 349140
Quadrupole moments of the first excited states of ^{204}Pb and ^{206}Pb. (ANU-P – 690) 362074
Spin-parity combinations in ^{32}P from the ^{34}S(d(pol), α)^{32}P reaction. 366964
The static quadrupole moment of the first excited state of ^{198}Hg. (ANU-P – 695) 362057, 372747
Baxter, C.F.
Radionuclide dynamics and health implications for the New York nuclear service center's radioactive waste burial site. 358528
Baxter, D.
The effect of ion implantation on the corrosion behaviour of pure iron. 359818
Baxter, M.S.
A controlled power supply for the electrolytic enrichment of tritium. 365654
The pressure effect and peak broadening in gas source stable isotope mass spectrometry. 354289
Baxter, R.C.
The use of ^{59}Fe uptake in estimating the marrow dose in normal and splenectomized rats exposed to 1000 kVp x-irradiation. 365639
Bay, H.L.
Erosion of iron and nickel based alloys by mono- and multi-energetic light ion bombardment in the energy range from 0.1 – 8 KeV. 370137
Investigation of collision cascades in solids by transmission sputtering of thin foils. 353403
Light-ion sputtering yields for molybdenum and gold at low energies. 366320
Bayanov, A.P.
Investigation of cerium tetrachloride. 378211
Bayard, M.
Anomalous electrical and magnetic properties of vanadium diselenide (metallic behavior). 351852
Bayazitova, Eh.A.
Magnetism of $Cr(Phen)_2Cl_3x2,5H_2O$ and $Cr(Phen)_2Cl_2Ix3H_2O$ complexes. 369727
Baye, D.
Microscopic R-matrix theory in a generator coordinate basis. III. 361956
Parity dependence in heavy-ion scattering. 356566
Bayer, A.
Investigation of the long-term radiological environmental impact caused by an accumulation of nuclear facilities. (KFK – 2435) 357731
Bayer, R.
CAMAC 10-bit analog-to-digital converter type 703. 376676
Simple, precise, single channel pulse height analyzer with high dynamic range. 358340
Bayfield, J.E.
Experimental study of electron transfer in multiply charged iron-ion collisions with atomic hydrogen. 363890
Observation of resonances in the microwave-stimulated multiphoton excitation and ionization of highly excited hydrogen atoms. 350568
Bayless, P.J.
Implementation of a preliminary information storage and retrieval system. (LF – 56) 362714

Baylis, C.C.
The influence of fuel characteristics on gap conductance and hence clad temperature in a LOCA. 376529
Baylis, W.E.
Collision studies with a single molecular beam. 361333
A predictor-corrector form of Numerov integrations for coupled equations. 358706
Bayly, A.R.
The energy spectra of secondary ions emitted during ion bombardment. 363955
Bayne, C.K.
Factors affecting defective fraction of biso-coated HTGR fuel particles during in-block carbonization. (ORNL/TM – 6093) 373316
Baynham, D.E.
Filamentary niobium-tin hexapole magnet. (RL – 77-085/B) 352414
Bayon, A.
Uranium concentrate analysis by X-ray fluorescence spectroscopy. (JEN – 400) 378102
Bayushkin, P.Ya.
Reaction of sterically hindered o-quinones with alkyl derivatives of the third group elements. 372993
Baz', A.I.
Two-particle resonances and singularities of the (2 → 3) scattering amplitudes. 348575
Bazaeva, A.V.
Magnetic field configuration in a tokamak with a poloidal divertor. (INIS-mf – 3954) 361510
Tokamak with an intense (higher 100kOe) magnetic field. (INIS-mf – 3954) 361487
Torsatron divertor and it's effect on impurities transport and accumulation. (INIS-mf – 3954) 361497
Bazant, A.P.
Extension of HCDA safety analysis to large PCRV containment structures. (CONF-770807 – 49) 367776
Bazant, E.
Brittleness. Presupposition (criteria) for reactor vessel brittle fracture. (IAEA – 189) 360792, 376424
Comments on reactor vessel surveillance programmes in the Federal Republic of Germany. (IAEA – 202) 376454
The influence of specimen geometry on stress corrosion cracking rates. 357188
The physical interpretation of the threshold-stress intensity range during fatigue loading. 365167
Bazavov, D.A.
Scattering of 2.9 MeV neutrons by silicon nuclei. (INIS-mf – 3897) 356567
Bazazyants, N.O.
The KVEKS procedure. (FEI – 643) 350439
Bazdenkov, S.V.
Three-fluid MHD-model of a current shell in Z-pinch. 348881
Bazer-Bachi, R.
An acceleration evaluation of the performance of the Soviet-French wide-gap spark chamber for gamma-ray astronomy. 368266
Bazerghi, H.
Evaluation of the performance of an ultrasonic cross-correlation flowmeter. (AECL – 5848) 366045
Bazhanov, V.V.
Electromagnetic effects in resonant processes on colliding beams. (IFVE-OTF – 76-43) 375017
Bazhenov, V.A.
Increasing accuracy of definition of conversion peak half widths from spectrometric reference sources by means of a computer. 376249
Bazhenov, V.K.
Band structure of strontium fluoride. 356067
Bazhin, A.I.
The cascade de-excitation processes of atoms ejected from surfaces during the ion bombardment of solids. (INIS-mf – 3996) 363870
Bazilevskaya, G.A.
Observation of solar cosmic rays during the flare of April 29, 1973. 356182
Bazilevskaya, T.A.
Roentgenoluminescence determination of rare earth ions concentration in monocrystals and powdered luminophores. (INIS-mf – 3955) 362119
Bazin, H.
The measurement of total serum IgE levels in rats. 352169
Bazin, J.
Tritium formation and elimination in light-water nuclear plants. 368136
Baznat, M.I.
Approximate method or single-particle hamiltonian distorted symmetry recovering and its application. 349104
Bazter, T.H.
Large rectangular bellows valve. (UCRL – 79751) 372058
Bazu, T.K.
Material reactivity worth measurements in a fast reactor. 376472
Bazuev, G.V.
Low-temperature neutron and X-ray diffraction studies of rare-earth orthovanadates. 350793
Magnetic properties of solid solutions in the $NdVO_3$-$CaVO_3$ system. 369589
Bazyk, A.S.
On the effect of stressed state scheme on superplasticity. 359923
Bazylev, V.A.
State damping in the crossing term problem. (INIS-mf – 3915) 348643
Bazyluk, D.
The influence of radiation damage on the diffusion of P and Kr atoms implanted in GaAs monocrystals. 370251
Beach, J.L.
Detection principles. (ORNL – 5171) 367755
GANDALF: users' manual. (UCID – 17615) 373937
Multi-technique characterization of neutron fields from moderated ^{252}Cf and $^{238}PuBe$ sources. (UCRL – 79483) 370689
Beach, L.A.
Application of the three-body model to the reactions $^{6}Li(^{3}He,t\ ^{3}He)^{3}He$ and $^{6}Li(^{3}He,^{3}He^{3}He)^{3}H$. 351288
Beacock, P.E.
Anomalous behaviour of RFSE signals in tungsten. 350709
Beal-Monod, M.T.
Possibility of surface ferromagnetism for liquid ^{3}He in confined geometries. 351104
Beall, G.W.
Crystal structure of $Mn_3[Co(CN)_6]_2.12H_2O$ and $Cd_3[Co(CN)_6]_2.12H_2O$ by neutron and x-ray diffraction. 378212
Beall, J.
Study of the cosmic sources of hard x-rays. (CONF-7510169 –) 364307
Beall, J.H.
Radio and x-ray variability of the nucleus of Centaurus A (NGC 5128). (N – 77-26060) 369025
Beam-Monod, M.T.
Is the magnetically ordered phase of solid ^{3}He a spin glass or an example of rock magnetism. 366391
Beamer, J.L.
$^{239}PuO_2$ aerosol exposure of miniature swine. (BNWL – 2100(Pt.1)) 360322
The long-term effects on normal tissue of an intracavitary treatment with californium-252. 379042
Prevention of death from ingested ruthenium-106 by colectomy. (BNWL – 2100(Pt.1)) 360355
Beams, J.W.
Dynamic measurement of matter creation. 369192
Bean, C.
Accidents with atomic power structures. 360404
Bean, E.B.
$^{238}U(n,f)$ measurements below 100 keV. 356885
Bean, R.M.
Effects of water quality alterations on fish behavior. (BNWL – 2100(Pt.2)) 362936
Beard, D.B.
Magnetic field of Mercury. 351030
Beardsley, M.B.
Stress induced reorientation of vanadium hydride. (IS-T – 771) 373289
Beardwell, C.G.
Radiation and growth hormone deficiency. 352055
Beare, J.W.
The use of on-site Project Officers by a nuclear regulatory body. (INIS-mf – 4178) 374477
Bearman, G.H.
Dynamic model for vibronic excitation in low energy atom-molecule collisions. 353281
Bearse, R.C.
Elemental analysis of water using proton-induced X-ray emission. 362132
Beason, D.G.
Building 431 fire tests. (UCID – 17585) 377329
Beattie, A.G.
Acoustic emissions during hydride formation. (SAND – 77-0481C) 351671
Beattie, J.R.
Radiation hazards and environmental consequences of reactor accidents. 373786
Beatty, D.C.
Management of the interfaces between construction and startup. 358106
Beatty, R.L.
Method for applying pyrolytic carbon coatings to small particles. (US patent document 4,016,304/A/) 373313
Process for preparing metal-carbide-containing microspheres from metal-loaded resin beads. (US patent document 4,010,287/A/) 352667
Processing and composition control of weak-acid-resin-derived fuel microspheres. 365214
Stoichiometric effects on performance of high-temperature gas-cooled reactor fuels from the U – C – O system. 365922
Structural characterization of HTGR pyrocarbon fuel particle coatings. 357431
Beaty, E.C.
Differential cross sections for electron impact ionization of helium and argon. 353187
Beau, P.
Effects of particle size characteristics on the theoretical evolution of urinary and fecal excretion of inhaled plutonium. 354858
Beauchamp, J.L.
Negative ion chemistry of $(eta^5\text{-}C_5H_5)Co(CO)_2$ in the gas phase by ion cyclotron resonance spectroscopy. The π-acceptor ability of PF_3 compared to CO. 378238
Rare gas molecular ions: formation of XeF^+ by ion – molecule reactions in Xe and NF_3 and evidence for radiative deactivation of Xe^+ (^{2}Psub(1/2). 371458
Beaudet, G.
Possible non-thermal effects in stellar nuclear reactions. 369026
Beaudet, R.A.
Complete molecular structure determination of pentaboranee(9) by rotational spectroscopy. 378391

Beaudry, B.J.
Effect of oxygen and hydrogen on the transition and melting temperatures of samarium. (IS-M – 109) 373159
Electrical resistivity of La. 359951
Exchange vs crystal fields in Gd – Pr single crystal alloys. 378671
Beaudry, S.B.
Method for the winning of the radioisotope $_9F^{18}$ in highly pure form and device to carry out this method. (German (F.R.) patent document 2321552/C/) 370673
Beaugrand, C.
Conception of small size, low weight quadrupole. 371083
Beaujean, H.
Applicability of electrostatic precipitators in reprocessing plants and their limits. 359842
Studies of the retention of aerosols in the Karlsruhe reprocessing plant (WAK). 359841
Beaujean, R.
Spallation products induced by energetic neutrons in plastic detector material. 366887
Beauregard, L.J.
Estimation of pre-meiotic DNA synthesis period in the dog spermatozoa. 357637
Beauvais, C.
Structural transformations in the electron beam welded heat affected zone of titanium beta III alloy. 378750
Beauvillain, C.
Morphodynamical investigation of salivary glands with a data processing system. (INIS-mf – 4010) 367585
Beavan, A.P.
Dissolved helium in lakes: uranium prospecting in the Precambrian terrain of central Labrador. 357451
Beavan, S.W.
On the kinetics of polymer degradation in solution. 365069
Beaver, E.A.
New observations and a slow rotator model of the X-ray binary AM Herculis. 369208
Beblawi, H.E.
Acquisition of nuclear power plants for developing nations: the trilateral arrangement. 374190
Becar, N.J.
Safety analysis of an HTGR plant including emergency shutdown. Volume 1. Final report. (K – 76-124U(R)(Vol.1)) 362862
Bechara, M.J.
Reorientation effect measurements in ^{122}Te and ^{128}Te. (WIS-PH – 77/48) 364741
Testing of the energy stability and reproducibility of the ion beam produced by the 'tandem' accelerator of USP (University of Sao Paulo, Brazil). 354144
Becher, P.
1+1-dimensional quantum electrodynamics as an illustration of the hypothetical structure of quark field theory. (DESY – 77/43) 364473
Bechis, G.
A sensitive radioimmunoassay of scorpion neurotoxin. 370508
Bechler, A.
Vertex function in quantum electrodynamics with compensating current. 353038
Bechtold, V.
Spins of proton hole states from analyzing powers of (d, tau) reactions at 52 MeV. 369462
Vector analysing power in d-p and d-d elastic scattering at 52 MeV. 354145
Bechvarzh, F.
Analysis of secondary gamma quanta resulting from resonance neutron capture by ^{155}Gd and ^{157}Gd nuclei. (INIS-mf – 3897) 356679
Study on gamma rays from the ^{173}Ybsub (n,γ) ^{174}Yb reaction with resonance neutrons. (INIS-mf – 3897) 354131
Beck, C.L.
Extrapolation of ZPR sodium void measurements to the power reactor. (CONF-761001 – P2) 362864
Simulation of an HCDA sequence on the ZPPR critical facility. (CONF-761001 – P2) 362957
Beck, D.R.
The variational calculation of energies and widths of resonances. 376931
Beck, F.
Momentum dependence of the ion-ion-potential. (IKDA – 77/5) 375118
Operational experience with the SPS computer control system. 363153
Beck, F.A.
Magnetic moment and lifetime of the first excited state of mirror nuclei ^{21}Ne and ^{21}Na. 359455, 369463
Beck, G.
On the kinetics of polymer degradation in solution. 365069
Beck, G.A.
Measurement of differential cross sections for elastic K^+p scattering in the momentum range 0.7 to 1.9 GeV/c. 372511
Beck, H.L.
Measurements of cosmic-ray charged particle ionization and flux densities in the atmosphere. (HASL – 324) 361713
Beck, J.N.
Distribution of fission yields for fission spectrum neutron-induced fission of uranium-238. 372763
Radon daughters and fission products as atmospheric tracers. (CONF-741003 –) 370290
Beck, J.V.
Effective thermal diffusivity for a multimaterial composite laminate. 360050
Beck, S.R.
Economics of radwaste volume reduction and solidification systems. 357818
Beck, W.
Statistical analysis of the effects of inexact data on statements concerning reactor safety. 370529
Becker, A.
Evaluation of potential radiation exposure around nuclear installations in the Federal Republic of Germany. Methods and practice. 367734
Becker, A.E.
Location and size of acute transmural myocardial infarction estimated from ^{201}Tl scintiscans. A clinicopathological study. 352134
Becker, B.R.
Direct solution technique for solving steady-state problems using the HEATING5 heat transfer code. (K/CSD/TM – 15) 373987
HEXERE12: computer program for the transient thermal-hydraulic analysis of high temperature gas-cooled reactors. (K/CSD/TM – 3) 357773
Becker, C.
Energy accommodation and reactivity of O_2 on tungsten. 353398
Becker, C.D.
Effects of thermal discharges on aquatic biota. Combined effects of waste heat and environmental factors acting in concert. (BNWL – 2100(Pt.2)) 362594
Becker, E.
Determining pressure build-up in THTR-300 plant compartments after primary pipe breaks using the DANZ computer code. 370951
Becker, E.W.
Negative ions produced from clusters for plasma heating. (INIS-mf – 3963) 371742
The physics of uranium-235-enrichment in the separation nozzle process. Pt. 4. 365648
The separation nozzle process for uranium isotope enrichment. 367844
Becker, F.
Analysis of d-^{7}Li elastic and inelastic scattering at low energy with a simple model of the Pauli principle effects. 359377
Simulation of the Pauli-principle effects in the description of light ion scattering and bound states. 356568
Becker, F.E.
Design of superconducting magnets for full scale MHD generators. 374990
Becker, G.
Free-boundary equilibrium computations for strongly elongated Belt Pinch plasmas. 348882
Modelling of MHD equilibria of the Garching Belt Pinches by a cylindrical slab. 371744
Toroidal confinement with reduced energy losses in Belt-Pinch IIa. (INIS-mf – 3963) 371743
Becker, H.
Measurement of the reaction $\pi^-p \rightarrow \pi^+\pi^-n$ on a transversely polarized target at 17.2 GeV. 353937
Study of heavy-ion – induced reactions on uranium with use of mica detectors. 359538
Becker, H.-J.
Multifragment decay reactions induced by heavy ions and studied with mica track detectors. 367011
Becker, H.J.
Search for superheavy elements in the meteorite Mundrabilla. 359723
Becker, J.
Measurements of γ-γ and γ-electron directional correlations in ^{119}Sb. 364742
Becker, J.D.
Photon condensation in an Einstein universe. 355725
Becker, K.
German and international fuel cycle standardization. 369830
Role of nuclear standards in nuclear technology transfer. 352969
Becker, K.W.
Line width of crystal-field excitations due to electrons and phonons. 378595
Line width of crystal-field excitations in metallic rare-earth systems. 355947
Becker, Klaus
The German radiation protection standards. 355013
Becker, L.
Study of the reactions $\pi^+p \rightarrow \pi^0\Delta^{++}(1236)$, eta Δ^{++} (1236) and eta'Δ^{++} (1236) at 16 GeV/c. 372526
Becker, M.
Analysis of sensitivity of PWR fuel cycle costs to uncertainties in nuclear data. (BNL-NCS – 22500) 358209
Assessment and evaluation of sodium cross sections on the basis of integral flux measurements. (BNL-NCS – 22500) 356543
Assessment of ENDF/B-IV data for ^{238}U. 356853
Nodal coupling by response matrix principles. 374112
Becker, R.
Cosmic x-ray observations with OSO-8. (CONF-7510169 –) 364404
On the identification of complexing radiolytic products of the Purex Systems (20% TBP-Dodecane-HNO_3). (KFK – 2304) 365089
OSO-8 GSFC results on Cen X-3. (CONF-7510169 –) 364411
Becker, R.H.
Absence of detectable X rays from supercluster candidate 4UO134-11. 356304
A1540-53, an eclipsing x-ray binary pulsator. (N – 77-24025) 361669
The case for a burst from 3UO614+09. 372283
Observation program for the GSFC cosmic x-ray spectroscopy experiment. (CONF-7510169 –) 364279

OSO-8 observations of Hercules X-1. (CONF-7510169 –) 364394
Spectral characteristics of 3U1915-05, a burst source candidate. (N – 77-24026) 361670
X-ray spectra of Hercules X-1. 1. Iron line fluorescence from a subrelativistic shell. (N – 77-19962) 361727
Becker, V.
Application of radioactive tracers for the assessment of lymph drainage of the inner eye. (INIS-mf – 4010) 370439
Experiments on the influence of non-system parameters on the tracer dilution curve. (INIS-mf – 4010) 363096
Investigation of lymph drainage of the rabbit's orbita with different lymphotropic radioactive tracers. (INIS-mf – 4010) 370448
Model analysis of several methods used in nuclear medicine for the measurement of myocardial perfusion. (INIS-mf – 4010) 362838
Radiocardiographical investigations on the influence of ethanol on the ejection fraction in healthy persons. (INIS-mf – 4010) 362836
Right and left-ventricular function before and after aorto-coronary bypass surgery. (INIS-mf – 4010) 362823
Beckerman, L.P.
Deformation processes in refractory metals. (ORO – 3262-54) 362373
Beckers, J.M.
Quiet photosphere and chromosphere, ch. 4. 369027
Beckert, K.
Experimental investigation at the tandem accelerator EGP-10-1 of the Central Institute of Nuclear Research, Rossendorf. 357937
Beckert, W.F.
Influence of microbial activities on availability and biotransport of plutonium. (NVO – 171) 379130
Beckhols, R.
Levels of fallout ^{90}Sr and ^{137}Cs in milk regional variations of transfer factors. 370424
Beckjord, E.S.
Maintaining an effective breeder reactor programme. 360964
The US breeder reactor programme. 355452
Becklin, E.E.
Infrared studies of star formation. 361750
Beckmann, G.
Steam generator plant heated by a fluid, especially coolant circuit of a gas-cooled heat source. (German (F.R.) patent document 2549613/A/) 358053
Steam generator with U-tube bank arranged within an oblong pressure vessel. (German (F.R.) patent document 2515623/B/) 358054
Beckmann, R.
Yield and production of ^{18}F by ^{3}He irradiation of water. 357860
Beckurts, K.H.
Experience in transfer of nuclear technology. 352518
The gas-cooled high temperature reactor. Perspectives, problems and programmes. 365905
Beckwith, P.J.
High-pressure discharge for CO_2 lasers. (MRL-R – 687) 357923
Beckwith, S.
Energetics of molecular clouds. I. Methods of analysis and application to the S255 molecular cloud. 372161
Becquevort, P.
Preparation, quality control and absorbed-dose estimates of ^{123}I as sodium iodide. (INIS-mf – 4010) 357085
Reliability of myocardial imaging with thallium-201 to visualize myocardial ischaemia in coronary artery disease. 354943
Bedenbaugh, J.H.
Spectrophotometric determination of ruthenium using 1-pentyl 4,6-dihydroxy-5-nitrosopyridine-3-carboxylate. 375341
Bedere, D.
Influence of physio-chemical parameters on the mechanical properties of some isotropic uranium alloys. 373244
Bederka, S.
A new system of deuterium pressure regulation in ion sources. 355073
Bederson, B.
Total electron scattering cross sections by excited sodium atoms. 358762
Bedford, R.
Relaxation of neodymium in a weakly ionized expanding plasma. (UCRL – 79953) 366513
Bedford, R.G.
Sublimation of boron. 362429
Vapor pressure of tetrakis(2,2,6,6-tetramethylheptane-3,5-dionato)uranium. 357082
Bedi, A.
Theoretical study of aircraft impact on reactor containment structures. 373792
Bednar, J.
A cementing technique for joining acrylic pieces of small surface area. 363554
Bednarik, K.
Linearized dynamical model of WWER type reactor core for the purpose of power control synthesis and analysis. (INIS-mf – 4054) 368165
Bednazhevskij, V.M.
Development of ground methods for investigation of cosmic ray variations. 357525
Bednyagina, N.P.
Formazanes as analytical reagents. 378150
Bednyakov, A.A.
Energy loss straggling of protons and helium ions in carbon. 371563
Bedo, Z.
Examination of WF9 mutant sublines for lodging and fusarium resistance. 373700
Bedore, R.L.
Seismic model test of the GCFR core and core support structure. (GA-A – 14349) 352774
Bedrizova, M.N.
Magnetic ordering in ferroelectric Co-I boracite. 350769
Bedue, Abel
Procedure and facilities for the seasonal storage and utilization of hot waters particularly from thermal and nuclear plants generating electricity. 355269
Beebe, G.W.
Breast cancer incidence among atomic bomb survivors, Hiroshima and Nagasaki, 1950 – 1969. 362704
Beebe, N.H.F.
A $^{1}Pi - X\ ^{1}\Sigma^{+}$ band system in CH^{+} and CD^{+}: theoretical spectroscopic constants and lifetimes. 351006
Analysis of excitation energies and transition moments. 368687
Coupled Hartree-Fock and second order polarization propagator calculations of indirect nuclear spin-spin coupling constants for diatomic molecules. 355910
Hartree-Fock and configuration interaction calculations of hyperfine constants in quartet states of three-electron atoms. 355899
Beeck, J. OP de
Activation analysis. 356930
Beeck, J.P. Op de
High precision instrumental neutron activation analysis of Sn in cassiterite with the aid of an ^{227}Ac-Be isotopic neutron source. 375216
Beekhuis, H.
Comparison of ^{133}Xe and $^{13}N_2$ ventilation studies. (INIS-mf – 4010) 370409
Dynamic blood flow measurement with the ^{81}Rb/sup(81m)Kr ratio. (INIS-mf – 4010) 370441
Tumor detection with radio-labelled bleomycin, a clinical and animal study. (INIS-mf – 4010) 357650
Beelen, H. van
On the possible existence of a thermopower in the superconducting state. 372338
The penetration of a local magnetic field through large sheets of type-I superconductors. 372321
Beene, J.R.
Core-excited high-spin isomers in ^{212}Rn. 351371
The low solar neutrino flux. 354238
Magnetic moments of N = 50 isotones and proton core polarization. 372761
Search for a 0^{+} level near the 8.87 MeV, 2^{-} level of ^{16}O. 354237
Beer, G.A.
Measurement of the $\pi \rightarrow$eupsilon branching ratio. (INIS-mf – 4267) 377792
Beer, H.
Measurement of partial radiation widths of high energy transitions from keV capture resonances in ^{56}Fe and $^{58,60}Ni$. 375160
Beer, J.Z.
Late post-irradiation phenomena in mammalain cell populations. Pt. 2. Intraclonal recovery in sublines isolated from X-irradiated L5178Y-S cell populations. (INR – 1501/10/B/A) 367447
Late post-irradiation phenomena in mammalian cell populations. Pt. 3. Characteristics of the slowly growing clones isolated from X-irradiated L5178Y-S cell cultures. (INR – 1506/10/B/A) 367448
Beer, W.
Precision measurement of the 3d-2p transition energy in muonic Mg, Si, P, by crystal spectrometer. 376954
Beeretz, R.
The environmental compatibility examination in nuclear licensing. 352943
Beerlage, M.J.M.
Ion-pair formation in Cs_2 by two-photon absorption. 376968
Beerling-van der Molen, H.D.
^{11}C-labelled DOPA for detection of cerebral dopaminergic structures. (INIS-mf – 4010) 357618
Rapid synthesis and purification of carbon-11 labelled DOPA: a potential agent for brain studies. 375655
Beese, G.
Steam generator. (German (F.R.) patent document 2262150/C/) 350220
Beese, J.G.
Device to detect a fluid flow. (German (F.R.) patent document 2652695/A/) 366046
Beeston, J.M.
Hafnium irradiation damage. (TREE – 1140) 351881
Beets, C.
Impact of international safeguards arrangements upon nuclear-fuel-cycle operation. 374490
Beetz, R.
Aligned rotation of octupole-vibrational states in deformed nuclei. 375121
High-spin states and neutron multiplicities after pion capture in ^{181}Ta and ^{209}Bi. (INIS-mf – 4267) 377966
An in-beam Ge(Li)-NaI(Tl) Compton suppression spectrometer. 355502
Multipolarities of prompt transitions in ^{156}Dy and spin-parities of the upper band levels. 356716
Beg, M.A.B.
U(1) x SU(4)/sub L/ x SU(4)/sub R/-based weak-electromagnetic synthesis with manifest left-right symmetry. 366823
Beg, M.D.
Nodal coupling by response matrix principles. 374112

Beg, M.M.
Temperature factors of UO_2 and UOsub(2.11) by powder elastic neutron diffraction. 362511
Begelman, M.C.
Nearly collisionless spherical accretion. 356183
Beger, H.
Reconstructed CERN 600 MeV synchro-cyclotron. 363131
Begg, A.C.
Cell loss from several types of solid murine tumour: comparison of ^{125}I-iododeoxyuridine and tritiated thymidine methods. 354886
Begg, F.R.
Radiation exposure to angiographer during coronary arteriography using the U arm image amplifier. 362695
Begg, I.M.
Enhancement of stimulated Compton scattering in inhomogeneous plasmas. 377344
Beghian, L.E.
Cross sections, angular distributions, and magnetic substate populations in the ^{23}Na(n,n'γ) reaction. 364764
Begishev, I.R.
The effect of composition of mixture on rate of radiation initiation of chain reactions. 369805
Begovich, C.L.
Monte Carlo simulation of turbulent atmospheric transport: comparison with experimental data. 378901
Begrambekov, L.B.
Steels and nickel alloys sputtering during deuterium ion irradiation. (INIS-mf – 3954) 361422
Study on molybdenium and its alloys for thermonuclear reactors. (INIS-mf – 3954) 362547
Begzhanov, R.B.
On one class of semiempirical rotational formulae. 377864
Tables of single-particle matrix elements of electrical quadrupolar gamma transitions in deformed nuclei. 377863
Time spectroscopy of atomic nuclei. 350289
Behannon, K.W.
Magnetic field experiment for Voyagers 1 and 2. 374877
Behar, D.
Oxidation of aqueous Br^- by OH radicals, studied by pulse radiolysis. 357165
Behar, M.
Electric field gradient in the cubic Ag host generated by different near-neighbour configurations of Pd impurities. 366401
Electric field gradients created by near neighbour impurity atoms in a cubic silver host. 356010
Level structure of ^{80}Rb studied with the ^{79}Br(α, 3n) reaction. 354146
Behbehani, A.H.
Spin and parity determinations for the 3723 keV, 4294 keV and 5313 keV levels in ^{36}Cl. 351398
The structure of levels in ^{67}Ga below 2.6 MeV excitation. 351321
Behncke, H.H.
An absolute measurement of the probability for 1s sigma and 2p sigma excitation of the lead K shell. 377073
X-ray emission in heavy ion-atom collisions: critical impact parameter for target K ionization. 358707, 376970
X-ray emission in heavy ion-atom collisions: K-ionization cross sections. 353188, 376969
Behne, D.
Variations in trace element concentrations in human blood serum in the normal state investigated by instrumental neutron activation analysis. 369551
Behnke, H.W.
Methods of compliance with fracture toughness and operational requirements of 10 CFR 50, appendix G. (BAW – 10046A(Rev.1)) 360918
Behr, Yu.
Optical system of the RISK facility (design). (JINR – 13-8550) 361016
Behren, P. von
Neutron spectra from deuteron and proton bombardment of thick lithium targets: potential for neutron therapy. 376246
Behrens, B.
UV-hardenable molding, impregnating coating, or fitter materials. (German (F.R.) patent document 2104958/C/) 376280
Behrens, G.
The influence of protonation or alkylation of the phosphate group on the e.s.r. spectra and on the rate of phosphate elimination from 2-methoxyethyl phosphate 2-yl radicals. 378954
Mechanism of the first order decay of 2-hydroxy-propyl-2-peroxyl radicals and of O_2^- formation in aqueous solution. 358863
Behrens, H.
Annual report 1975. (GSF-R – 132) 349668
Beta decay and nuclear structure: Rb^{86}. 375153
Investigation of groundwater flow with the aid of indium-EDTA-complex using neutron activation for the determination of the tracer. 372836
On the reactions of $Na_2[M_2(CO)_{10}]$ (M = Cr, Mo, W) mit GeX_4 und SnX_4 (X = Cl, Br, I). 359584
On the reactions of $Na_2[M_2(CO)_{10}]$ (M = Cr, Mo, W) with InX_3 (X = Cl, Br, I), and the crystal and molecular structure of $Cr(CO)_5InBr$ x THF. 359583
Behrens, J.W.
High energy fission cross section ratio measurements. (BNL-NCS – 22500) 356701
Measurement of the fission cross section of ^{241}Pu from 8 eV to 70 keV. 351340
Measurement of the neutron-induced fission cross-section of ^{243}Am relative to ^{235}U from 0.1 MeV to 30 MeV. (UCID – 17504) 362036
Measurements of the neutron-induced fission cross sections of ^{234}U, ^{236}U, and ^{238}U relative to ^{235}U from 0.1 to 30 MeV. 356702
Systematics of neutron-induced fission cross sections over the energy range 0.1 through 15 MeV, and at 0.0253 eV. (UCID – 17509-2) 377967
Systematics of neutron-induced fisson cross sections over the energy range 0.1 MeV to 15 MeV and at 0.0253 eV . (UCID – 17509-1) 351331
Systematics of neutron-induced – fission cross sections in the MeV range. 351332
Behrens, R. Jr.
Crossed molecular beams kinetics: BaO recoil velocity spectra from $Ba + N_2O$. 350667
Behring, W.E.
Expansion velocities of laser-produced plasmas determined from extreme ultraviolet spectral line profiles. 358940
Behringer, K.
Theoretical investigation of the local and global components of the neutron-noise field in a boiling water reactor. 352629
Behrisch, R.
Boundary conditions for a fusion plasma. 358914
Depth distribution of damage obtained by Rutherford backscattering combined with channeling. 361918
Depth profiling of implanted ^{3}He in solids by nuclear reaction and Rutherford backscattering. 362546
Fusion: first wall problems. 373134
High energy-high intensity neutron sources for fusion technology and radiotherapy applications. 353650
Sputtering of niobium by energetic neutrons and protons: A round-robin experiment. 350569
Behrman, R.
The structure of ^{12}C and ^{16}O in a cluster model with varying hinge angle. 356569
Behrman, R.H.
A semi-empirical correlation energy for nuclei. 372581
Behroozi, F.
Ginzburg – Landau parameters for a vanadium single crystal having a resistivity ratio of 7.8. 373160
Beier, B.G.
Investigation of the long-term radiological environmental impact caused by an accumulation of nuclear facilities. (KFK – 2435) 357731
Beierl, W.
RSPLOT, A program group for evaluation of the data past temperatures and stress values of the "Prestressed Concrete Pressure Vessel-High Temperature Helium Test Rig". (SGAE – 2725) 367929
Beierwaltes, W.H.
New and superior adrenal imaging agent, ^{131}I-6β-iodomethyl-19-nor-cholesterol (NP-59): evaluation in humans. 357652
Radiopharmaceuticals for diagnosis and treatment. Progress report, August 1, 1976 – July 31, 1977. (COO – 2131-5) 352085
Beijerinck, H.C.W.
Glory undulations in the total cross section and small angle differential cross section for Ar-Kr. 358708, 376971
Bein, B.
Kinetic theory of plasma in the limiter-scrape-off layer. 350823
Bein, M.
Model to predict core pressure during a transient overpower (TOP). 352192
Some aspects of modeling power plant thermal hydraulic transients. 355453
Beine, B.
Characteristics of the prestressed cast construction and its preferential fields of application. 370826
Beiner, M.
Spherical and deformed descriptions of the $9/2_1^-$ level. (ZfK – 336) 364763
Beinert, J.
Fracture behaviour investigations under centrifugal stress. 355260
Beiser, M.
Varying views raise fear: is there enough uranium. 351918
Beitins, M.
Some states in ^{175}Lu and ^{176}Lu excited in reactions with deuterons. (ZfK – 336) 364743
Bejan, A.
Concept of irreversibility in heat exchanger design: Counterflow heat exchangers for gas-to-gas applications. 360654
Supercritical helium cooled, cabled, superconducting hollow conductors for large high field magnets. 360626
Bejlis, I.I.
Cathode spots on metal electrodes in conditions of MHD channel. 374987
Bejsovec, V.
New isochronous cyclotron for UJF CSAV. 367957
Production of nonpolarized and polarized 14 MeV neutrons. 354233
Bejsyuk, P.P.
Photodiodes of cadmium telluride. 350751
Bejtin', M.R.
High spin levels of sup(144)Nd excited in the (α,2n) reaction. 359457
Bejzot, M.Yu.
Application of nuclear geophysics techniques in exploration of holes in the phosphorite fields of the Karatau. 357477
Bekasova, N.I.
Polyimides on the basis of m- and p-carboranylenediamines. 354346
The reaction capacities of the acid chloride groups in m- and p-carboranedicarboxylic acid dichlorides. 357028

Bekdurdyev, Ch.D.
Thermoelectric properties of multicomponent solid solutions on the base of bismuth tellurides. 354318
Bekefi, G.
Direct determination of the electron energy confinement time of a tokamak plasma. 356107
Bekerman, C.
Parathyroid adenoma imaged by Ga-67 citrate scintigraphy: case report. 373640
The value of "high-count" ^{67}Ga-citrate scans in the staging of lung carcinoma. 354917
Beketov, B.I.
Quantitative determination of ferrite content in chromium-nickel steel welds. 369564
Beketov, S.V.
Techniques for measurement of pulse time positions of radiation detectors. 379156
Bekhtev, B.V.
Small-sized electron linear accelerator in the 3-cm range for application in industry. (INIS-mf - 4194) 376351
Bekk, K.
Nuclear radii and magnetic moments of ^{128}/sup ,/^{131}Ba from high-resolution laser spectroscopy. 351399
Bekmukhambegov, E.S.
Some results of post-reactor investigations of the six-element thermionic assembly after 2670 hours of operation. 360578
Bel Bruno, J.
Golden rule partitioning of vibronic energy: excitation transfer in collisions of metastable rare gas atoms with nitrogen. 353294
Bel'man, L.B.
Study on data transformation errors about the beam betatron oscillation frequency in a cyclic accelerator for input into a computer. (INIS-mf - 3909) 374046
Study on some dynamic characteristics of a betatron-oscillation correction system in a cyclic accelerator. (INIS-mf - 3909) 374047
Bel'skaya, T.I.
Synthesis of double chromates of cerium subgroup rare earths and potassium from solutions and studying some of their properties. 359688
Bel'tyukov, V.A.
Features of a process for vitrifying radioactive waste without precalcination and radionuclide behaviour in the process. 358489
Bel'tyukova, S.V.
Change in the relation of band intensities of Eu^{3+}, Sm^{3+}, Tb^{3+} and Dy^{3+} ion luminesence spectra in complexes as a function of the number of coordinated ligands. 351545
Intensity of Yb^{3+} ion absorption band in solutions of some complexes. 369590
Investigation into different-ligand complexes of rare earths with acetoacetic ester and phenanthroline. 375415
Organic reagents using for luminescent determination of scandium. (INIS-mf - 4192) 375295
Selection of analytical lines of luminescence spectra during determination of lanthanoid ions in solutions of complexes. (INIS-mf - 4191) 375331
Spectrophotometric study of neodymium (3), holmium (3) and erbium (3) ions complexing with acetoacetic ester. 349279
Bel'zer, L.I.
Energy spectra of leading particles in hadron-nucleus interactions. 361664
Belakhovsky, M.
Moessbauer spectroscopy and magnetic properties of DyMg and ErMg. 348763
Belanova, T.S.
^{245}Cm neutron resonance parameters in the 1-30 eV neutron energy range. 377968
Belash, I.T.
Effect of hydrogen pressure up to 20 kbar on the Curie point of Fe-Ni alloys in invar region. 378708
Belash, V.P.
X-ray emission K-spectra of vanadium in binary alloys with metals from beginning of the second and the third long transition periods. 373224
Belavin, A.A.
Multidimensional method of inverse scattering problem and equations of duality for the Yang-Mills field. 371342
Yang-Mills equations as inverse scattering problem. 371341
Belaya, A.D.
Plasma reflection and zone structure of bismuth-antimony, doped by tellurium and tin. 348765
Purification of tin labelled with ^{113}Sn from radioactive impurities of antimony. 359760
Belcarz, E.
Silicon spectrometer with a Peltier refrigerator. 355503
Belcher, J.W.
The plasma experiment on the 1977 Voyager Mission. 374882
Belda, W.
Shut-down conditions, emergency cooling and essential services. (AED-Conf - 77-498-004) 376201
Belen'kij, B.V.
Determination of elemental composition of standard rocks by instrumental neutron activation method. 351919
Instrumental neutron activation analysis of standard samples of the rocks. (INIS-mf - 3994) 378104
On the question of precision and the correctness of instrumental neutron activation analysis of geological samples. (INIS-mf - 3994) 378103
Simulators of microelement composition of standard rocks for instrumental neutron activation analysis. 349175
Belen'kij, G.L.
GaTe vibrational spectra. 355948
Specific features of a long-term relaxation of nonequilibrium conduction in $CdIn_2Se_3$ monocrystals. 368736
Belen'kij, V.M.
On one class of semiempirical rotational formulae. 377864
Tables of single-particle matrix elements of electrical quadrupolar gamma transitions in deformed nuclei. 377863
Belenko, L.Z.
Extraction of rare earth complexes with morin. (INIS-mf - 4192) 375222
Belenko, R.D.
Application of nuclear geophysics techniques in exploration of holes in the phosphorite fields of the Karatau. 357477
Belenov, Eh.M.
Laser-stimulated chemical reactions and isotope separation. 363071
Beletskij, N.N.
On weak turbulence of potential waves in heated semiconductor plasma. 377161
Belevskij, V.N.
Early stages of radiation transformations in acetate-nitrite frozen aqueous solutions. 365037
Possibility of determination of excited state yield during γ-radiolysis of aromatic hydrocarbons by the method of spin traps. 375724
Reactions of the H_2O^+ holes in frozen aqueous acetate solutions. 354416
Belevtsev, Ya.N.
Particularities of distribution and migration of uranium in relation to metamorphic processes (on example of the Ukrainian Shield). 349613
Belicic, M.
Status of mechanical testing of heat-affected zones. 370783
Belik, M.
Systems for power supply, control and synchronization of plasma-focus type experiments. (INIS-mf - 3954) 361498
Belik, V.N.
Input device for the DIN-1M spectrometer. (JINR - 10-9154) 352828
Belikova, E.V.
Action of ATP on DNA injured by a prolonged irradiation. 362669
Belinskaya, G.I.
Wide-band reflex optical length for diagnostics of an electron beam accoding to the synchrotron radiation. (JINR-R - 9-9281) 355168
Belinski , V.A.
Viscosity effects in isotropic cosmology. 356184
Belinskij, F.A.
On selectivity of ion exchange on crystalline antimonic-acid cationite. 349273
Belitskij, A.S.
Solutions to the problems of radiation safety and evironmental protection in connection with the handling of radioactive waste at nuclear power stations in the USSR. 368464
Belkic, D.
High-energy behaviour of the transition probabilities and total cross sections for charge exchange. 358709
Belkin, F.
Army's drinking water surveillance program. 367798
Belkin, G.I.
Corrosion protection of magnesium-zirconium alloy during long-time storage. 359833
Belkin, N.V.
Pulsed x-ray tube. (Soviet patent document 320224/A/) 376671
Belkin, V.F.
On a magnet configuration to trap ultracold neutrons. (ITEF - 44) 365712
Belkina, R.M.
Investigation into kinetics of sorption of some radionuclides by mixed sorbents based on amorphous niobium phosphate. 369591
Bell, A.R.
The acceleration of cosmic rays in shock fronts. 372122, 374878
Bell, F.
Impact-parameter dependence of proton-induced K-shell ionization of carbon and aluminum. 358852
Radiative electron capture and momentum distributions of target electrons. 353361
Bell, G.D.
Calculated risk: a safety criterion. 373787
Bell, G.I.
Study of fast reactor safety test facilities. Preliminary report. (LA - 5978-MS) 370530
Bell, K.
Improvements in deposition models for estimating dose distribution from inhaled aerosols. 360331
Bell, K.L.
Free-free transitions of an electron in the presence of an atomic system. 353189
Bell, M.
On stabilization of linac cavities. 374048
Bell, M.A.
Retraining and requalification of reactor operators and supervisors of ERDA-owned reactors. 358113
Bell, M.G.
Toroidal plasma rotation in tokamak LT-3. (INIS-mf - 3963) 371745
Bell, M.J.
Nuclear Regulatory Commission's Low-Level Waste Management Program. 380031
Bell, R.A.
The carbon and nitrogen abundance of gamma Pavonis. 356185

Bell, R.L.
^{201}Tl heart studies. 352086
Bell, S.J
ORTAP: a simulator of high temperature gas-cooled reactor nuclear steam supply system dynamics. (CONF-770728 – 1) 352676
Bell, W.E.
Behavior of fission product gases in HTGR fuel material. (GA-A – 13723) 379693
Fission gas release from fuel particles and fuel rods. 365937
Bella, H.
Extension of the maintenance cycle of HEPA filters by optimization of the technical characteristics of filters and their construction. 360491
Bellamy, E.H.
f°(1270) production in the reaction $\pi^-p \rightarrow \pi^+\pi^-n$ at 12 and 15 GeV/c. 372501
Bellamy, R.G.
Irradiation performance analysis of UK fast reactor fuel. 379731
Bellamy, R.R.
Experience with HEPA filters at United States nuclear installations. 360492
Bellandi Filho, J.
The Mehler formula and the Greenn's function of the multidimensional isotropic harmonic oscillator. (IFT – 207/75) 355726
Point-like structure in a relativistic dynaminal quark model. (IFT – 182/74) 353039
Bellefon, A. de
Channel cross sections of K^-p reactions from 1.934 to 2.516GeV/c. (LPC – 77-01) 369354
Beller, L.S.
Automated ultrasonic testing – capabilities, limitations and methods. 370811
Belletti, M.
Observation of the reactions $\pi^-p \rightarrow$anti pd at 10 and 16 GeV/c. 372520
Belli-Donini, M.L.
Relationship between peel damage and the accumulation of limonene in four varieties of irradiated oranges. 365373
Bellicard, J.B.
Elastic cross sections for e + ^{40}Ca at 757.5 MeV. 364744
On the radial distribution of the 1fsub(7/2) proton orbit. 362113
Bellido, A.V.
Yields of fission products, other than lanthanides, in the fission of ^{238}U with neutrons of 14 MeV. 351600
Bellmann, O.
Thyroid hormones and TRH-test during pregnancy. (INIS-mf – 4010) 370458
Belloch, V.
CEA-radioimmunoassay in different neoplastic conditions. (INIS-mf – 4010) 370499
Evaluation of sialograms obtained in the functional and morphological study of salivary glands. (INIS-mf – 4010) 367558
Bellomo, G.
Beam extraction studies for the proposed superconducting cyclotron at the University of Milan. 363128
Injection studies for the proposed superconducting cyclotron at the University of Milan. 363127
Magnetic field calculations for the proposed superconducting cyclotron at the University of Milan. 363125
Model magnet for the proposed superconducting cyclotron at the University of Milan. 363126
Bellon, F.
Non-collinear second harmonic generation. An interpretation of experimental results. (UEC-S – 134/04/75) 364079
Belloni, J.
Primary trapping and solvated electron yields. 357157
Belloni, M.P.
Cytological analysis of X-ray-induced aberrations in spermatocytes I and the somatic ganglia of male Drosophila melanogaster. 354730
Bellum, J.C.
Electronic and dynamical aspects of diatomic systems. 371464
Belobrovaya, O.Ya.
Study on vanadium dioxide properties in millimeter wavelength region at metal-semiconductor phase transition. 350711
Beloff-Chain, A.
Factors influencing insulin and glucagon secretion in lean and genetically obese mice. 352153
Beloglazov, V.I.
Klystron autogenerator with a low SHF pulse delay time. 357938
Belogurov, D.A.
Low-frequency electrooptical properties of lithium iodate crystals. 348843
Belogurov, V.N.
Simple circuit of a high-stability gamma-resonance spectrometer. 379861
Belokoneva, E.L.
On crystal structures of natural rhodonite $CaMn_4[Si_5O_{15}]$ and synthetic $NaHCd_4[Ge_5O_{15}]$ and $LiHCd_4[Ge_5O_{15}]$. 357066
Synthesis and crystal structure of $CdNd_4[SiO_4]_3O$. 359693
Belokopytov, V.S.
Corrosion resistance of carbon steels in conditions of steam lines of APS with boiling-water reactor VK-50. 375728
Spectral isotopic analysis of hydrogen in zirconium and its alloys. (NIIAR-P – 246) 349155
Belokurov, E.V.
Heat capacities, standard enthalpies, entropies of germanides Me_5Ge_3(Me = V, Cr, Mn, Fe, Co and Ni). 375817
Belomestnykh, V.I.
Secondary reactions of products of low-temperature radiolysis of sodium and potassium chlorates. 375714
Belomyttsev, Yu.S.
Molybdenum monocrystal strengthening by tungsten films condensed on the surface. 370078
Belonogov, A.V.
Cryosorption pump for ultracold neutrons source vacuum system oilless pumping. 370674
Superconducting magnets for shaping beams of particles with a small life-time. (ITEF – 93(1975)) 374095
Belopotapova, T.S.
Interaction of carbon dioxide with ruthenium hydride complexes. 354343
Belopushkin, S.I.
Early stages of radiation transformations in acetate-nitrite frozen aqueous solutions. 365037
Reactions of the H_2O^+ holes in frozen aqueous acetate solutions. 354416
Belorukova, L.P.
Interaction of scandium trichloride with molten sodium chloride or potassium chloride. 349202
Phase diagram of the $ScCl_3$-NaCl-KCl system. 349310
Belorusets, E.D.
Study of the gamma-irradiated effect on the nature of specific resistance distribution over the depth of phosphorus doped silicon epitaxial layers. 357401
Beloshitsky, V.V.
Electromagnetic radiation of channeling electrons and positrons. 366392
Belostotsky, S.L.
Polarization in 1 GeV elastic proton scattering on carbon. 354133
Belot, Y.
The forecasting of the dispersal of gaseous reactor wastes. 360364
Belotskij, A.V.
Study on a possibility of alloying the iron surface with molybdenum by means of laser irradiation. 369853
Belotskij, D.P.
Sb-Se-I system. 378235
Synthesis and physicochemical properties of alloys of BiTeI-SbTeI section. 369592
Belous, O.A.
Carbon effect on the structure and low-temperature plasticity of arc melted molybdenum ingots. 349443
Belousov, A.N.
Magnetic aftereffect in Sm-Co and Gd-Co films. 348844
Belousov, I.V.
Investigation into electrical and physical properties of superconducting vanadium films. 359947
Belousov, V.I.
Indicator of nuclear reactor state. (Soviet patent document 400234/A/) 358087
Shower spectrometer with a combined radiator. 361015
Belousov, V.N.
Study of the acceleration of thin metal foils acted on by high-power laser emission. (IAEA – 200) 353518
Belousov, V.U.
Estimate of the self-diffusion coefficients for selenium and tellurium using viscosity data. 349468
Belousova, O.N.
Temperature motion of the Fermi level in Cdsub(x)Hgsub(1-x)Te semimetallic alloys. 363965
Belousova, Yu.E.
The nature of defects arising on tellurium solution decomposition in GaP monocrystals. 377259
Belov, A.F.
Oxidation of the powder of nickel-chromium based alloy. 369816
Belov, A.G.
Reflection spectra of Cdsub(x)Hgsub(1-x)Te solid solutions in far-infrared range. 348764
Search of conversion electrons emitted in the spontaneously fissile isomer decay. 359456
Belov, A.P.
Investigation of kinetics and mechanism of oxidation of π-allyl palladium iodide by iodine in aqueous solutions. 378213
Belov, A.V.
Study on electromagnetic conditions in the interplanetary space by means of cosmic rays. 356186
Belov, E.M.
Device for studies on the dynamic characteristics of thermoneutron detectors. (Soviet patent document 412538/A/) 355607
Belov, K.P.
Band structure and anomalies of photoconductivity, electrical resistance and magnetoresistance of Cdsub(1-x)Gasub(x)Cr_2Se_4 chalcogenide compound. 368738
Effect of ground state character of a rare-earth ion on magnetic transitions in orthoferrites. 355950
Magnetic and neutron diffraction investigation of reorientation transitions in cobalt-substituted yttrium orthoferrite. 355949
Magnetic properties in the vicinity of the Curie point of $CdCr_2Se_4$ doped single crystals. 377162
Magnetostriction of intermetallic compounds of rare earths with iron of Laves phase type. 373161
Magnon component of the electric resistance in terbium-yttrium alloy single crystals. 368737
Some specific features of magnetic and electric properties arising on variation of the Fermi surface topology in terbium-yttrium alloys. 374671
Belov, L.M.
Determination of neutron mean number on fission event of ^{252}Cf.

(INIS-mf – 3896) 357875
Belov, N.N.
Effect of gamma radiation of organometallosiloxanes on their catalytic activity in reaction of cumene cracking. 373057
Belov, N.V.
Crystal and molecular structure of $C_{21}H_{23}N_2OI$. 369657
Crystal structure of chkalovite Ge-analoque, $Na_2Be(Ge_2O_6)$. 349215
Crystal structure of holmium periodate – $HoIO_5.4H_2O$. 349289
Crystal structure of lanthanum perrhenate $La(ReO_4)_3.4H_2O$. 349261
Crystal structure of Na,Cd-ammonium diorthophosphate $(NH_4)Na_2Cd_3[P_2O_7]_2Cl$. 362185
Crystal structure of $NH_4Er_3F_{10}$, the four-layer cationic skeleton of "fluorite" type. 367112
On crystal structures of Na_2ZnSiO_4 and Na_2BeSiO_4. 351566
On crystal structures of natural rhodonite $CaMn_4[Si_5O_{15}]$ and synthetic $NaHCd_4[Ge_5O_{15}]$ and $LiHCd_4[Ge_5O_{15}]$. 357066
Synthesis and crystal structure of $CdNd_4[SiO_4]_3O$. 359693
Belov, S.F.
Cathodic process during ruthenium electrodeposition. 351564
Density and viscosity of LiF – YF_3, LiF – LaF_3 melts. 369593
Investigation into reaction (solubility) of certain oxides in potassium fluorozirconate. (INIS-mf – 4193) 375416
Investigation into reaction of lanthanum oxyfluoride with molten fluorides. (INIS-mf – 4193) 375417
Investigation into reaction of rare earth oxides with LiF-LnF_3 molten systems. (INIS-mf – 4193) 375529
Belov, S.P.
Study of neutron spectra in the BFS-28, BFS-30, BFS-33 fast critical assemblies using CINI and FEI spectrometers with proportional counters of recoil protons. (FEI – 698) 376643
Belov, V.A.
Inversion of transuranium element reactivity in extraction equilibria. 375635
Belov, V.V.
Correct Green function for quantum mechanical equations in an electromagnetic field. II. 348576
Correct Green function of relativistic quantum mechanical equations in a plane wave field. 374549
Belov, V.Z.
Chemical isolation of element 105 (nilsbohrium) as eka-tantalum in the form of anhydrous bromide. Pt. 2. 351629
The volatility of mendelevium and its binary compounds. (JINR-R – 6-10334) 378500
Belov, Yu.M.
Effect of preliminary thermal treatment of EhP-56 on resistivity to cold cracks formation in the joint heat affected zone. 351745
Belov, Yu.V.
Device for suppressing spin-spin interactions in nmr radiospectrometers. (Soviet patent document 473090/A/) 376677
Belova, V.M.
Effect of big elastic stresses on parameters of a Moessbauer line. 356029
Belovintsev, K.A.
Electron linear accelerator for a cutted microtron. 360707
Split microtron as an injection for the Pakhra synchrotron. 357929
Belovitskij, G.E.
Measurement of (n, p) reaction excitation functions for lead isotopes and bismuth at neutron energy range 13.4 – 14.8 MeV. (INIS-mf – 3897) 356703
Measurements and calculations of the (n,p) reaction excitation functions for nuclei with Z(>=)48 and Esub(n) approximately= (10-20) MeV. 369405
Belovolov, M.I.
Plasma reflection and zone structure of bismuth-antimony, doped by tellurium and tin. 348765
Belovskaya, L.N.
On the role played by functional defects of the template in the processes of post irradiation replication and reparation of DNA in the thymus of irradiated rats. 349732
Belozerov, A.N.
International fusion research council. 350455
Belozerov, V.I.
Heat transfer on natural convection from a horizontal cylinder to CO_2 under supercritical pressure in conditions of cooling. (INIS-mf – 3957) 363104
Beltrami, I.
Precision measurement of the 3d-2p transition energy in muonic Mg, Si, P, by crystal spectrometer. 376954
Beltrao, M. da C.M.C.
Study by Moessbauer spectroscopy of archaeological ceramics. 363988
Belu, A.
Elastoresistivity of amorphous and polycrystalline semiconductors. (INIS-mf – 4022) 355951
Belushkin, V.A.
Experimental study on helium cryogenic ejector. (JINR – 8-8608) 352412
Belushkina, A.A.
Cryogenic source of polarized hydrogen and deuterium atoms. 370735
Belvedere, G.
Convection in a rotating deep compressible spherical shell: application to the Sun. 366666
Belwal, R.
Diffusion limited energy transfer from $Tb^{3+} \rightarrow Ho^{3+}$ in calibo glass. 371497
Belyaev, A.A.
Cascade development in different media. 361661
Belyaev, A.D.
Elastic and piezoelectric constants of solid solution single crystals of CdSesub(x)Tesub(1-x). 363956
Belyaev, A.V.
Aquation of chloropentammine-cobalt(3) ion in the presence of cadmium(2) ions. 351578
Programme for the simulation of the TPA-i 1001 computer on the CDC-1604-A computer. (JINR – 10-9674) 353020
Results of methodical experiment on accuracy characteristics estimation and adjusting of system for chamber photo processing on the spiral digitizer. (JINR – 10-7940) 350279
Belyaev, F.N.
Analysis of neutron level density. (INIS-mf – 3897) 356570
Belyaev, I.N.
Comparison of thermodynamic stability of tungsten and molybdenum dioxides in their reactions with rare earth oxides. 378214
Ionic melts as media for growing of monocrystals of compounds with crystal structure of pyrochlor. (INIS-mf – 4193) 378215
Physicochemical study of $ZrOCl_2$-$ZnCl_2$-H_2O system at 25 deg. 369594
25 deg C isotherm of solubility and physico-chemical properties of saturated solutions of the sodium B-paratungstate-potassium-B-paratungstate-water system. 375418
Belyaev, L.M.
Low-frequency electrooptical properties of lithium iodate crystals. 348843
Belyaev, P.A.
Some problems in ultracold neutron physics. (INIS-mf – 3895) 355493
Belyaev, R.A.
Phase diagram of Eu_2O_3 – MoO_3 system. 351466
Belyaev, V.A.
Complexing of variable-valence metals with alcohols. 351575
Evaluation, prediction and regulation of population exposure doses in connection with nuclear power plant operation in the USSR. 367758
Photoluminescence of $Bi_{12}SiO_{20}$ monocrystals doped with neodymium. 374672
Belyaev, V.O.
On a numereeical method for solving the Faddv integral equation without deformation of contour. (JINR-E – 4-9911) 376893
Belyaev, Yu.N.
Quantum limit to determination of interaction potentials by fast beam scattering method. (INIS-mf – 3915) 348644
Belyaeva, E.D.
BIPR-5 program for the calculation of three-dimensional power distribution and fuel burn-up in the one-group diffusion approximation for WWER type reactors. (IAE – 2518) 350211
BIPR-5 program. (IAE – 2519) 358608
Belyaeva, G.M.
Experimental investigation into the maxima of water thermal conductivity in critical region. 349980
Belyaeva, I.F.
Investigation of energetic ion beams in the plasma focus discharge. (INIS-mf – 3963) 371841
Belyaeva, L.M.
Possibilities for use of the Display-Focal interpretative language. (JINR – 11-9707) 350440
Belyaeva, N.A.
Radiation copolymerization of resin FL-2. 351630
Belyaeva, N.Yu.
On the population of the lymphoid tissue cells responsing to irradiation and administration of degranol and hydrocortisone by DNP degradation. 370342
Belyak, L.F.
On the peculiarities of the formation of Nb_3Sn intermetallic compound in niobium-tin alloys. (KFTI – 75-33) 353738
Belyakov, A.G.
Study on associated masses and dumping factors during vibrations of cylinders in viscous liquids. (FEI – 585) 365692
Belyakov, A.I.
Phase diagram of Eu_2O_3 – MoO_3 system. 351466
Belyakov, E.K.
Device for simulation of integral dose distribution in multifield radiotherapy. (Soviet patent document 441733/A/) 379482
Belyakov, I.I.
Heat transfer while dip motion of water under supercritical pressure. 379430
Belyakov, L.N.
Phase composition and properties of nitrided layer of low carbon stainless steels. (INIS-mf – 4046) 369920
Belyakov, M.A.
Continuous radiometric control of P_2O_5 content in phosphorite ore pulp. 349614
Measurement of beryllium coating thickness using alpha radiation. 379401
Radiometric analysis of P_2O_5 in phosphorite ore on a conveyer belt. 354640
Belyakov, V.C.
Radiation-induced defects in silicon and germanium and a secondary emission method. (INIS-mf – 3996) 363936
Belyakova, M.N.
Deformation dependence of polygonization and recrystallization in rolled molybdenum single crystal. 369985
Belyakova, M.P.
The A-1 type crate controller in the CAMAK standard. 363608
CAMAC interface module for paper tape punches type PL-150 and PL-80. 376678
Belyakova, P.E.
Boron effect on the thermodynamic properties of Eh1703 steel. 349444

True heat capacity of the titanium TS5, VT3-1 alloys. 369904
Belyanin, V.G.
Estimation of method for γ-initiated emulsion post-polymerization of styrene. 365073
Belyavskij, A.I.
Continuation of the "Gamma-telscope" experiment on the "Kosmos 731". 356187
Belyayev, I.N.
Synthesis and certain properties of $A^2DyB^4NbO_7$ compounds of pyrochlore (3) structure. 351468
Belyi, I.M.
Radiation damage and implanted impurity distribution in GaAs at P-ion implantation. (INIS-mf – 3996) 363957
Belyi, V.A.
Scattering of atomic beams by solid surfaces at low temperatures. 368822
Belyj, M.U.
Luminescent properties of aqueous solutions of alkaline earth metal chlorides with molecular anions NO_2^- impurity. 378216
Belyj, N.M.
Luminescence of laminated crystals. 371564
Belykh, G.V.
Gamma rays emitted in the sup(90,92,94,96)Zr(nγ)sup(91,93,95,97)Zr reactions with thermal neutrons. 375158
Technique for processing gamma spectra detected by means of Ge(Li) detectors in study on slow neutron capture. (KIYI – 76-14) 372703
Belytschko, T.
Analytic studies of subassembly failure propagation. (CONF-761001 – P3) 365519
Extension of HCDA safety analysis to large PCRV containment structures. (CONF-770807 – 49) 367776
Response of subassembly model with internals. (CONF-770807 – 46) 373833
Belytschko, T.B.
Finite-element formulations for the thermal stress analysis of two- and three-dimensional thin reactor structures. (CONF-770807 – 50) 374255
Structural response of large LMFBR head closures to hypothetical core disruptive accidents. (CONF-770807 – 47) 370585
Bem, P.
Multiple scattering of fast charged particles in silicon. 379957
Production of nonpolarized and polarized 14 MeV neutrons. 354233
Yields of nuclear reactions for the production of radiopharmaceuticals ^{18}F, ^{43}K, ^{67}Ga, ^{111}In and ^{123}I with charged particles. (UJF – 4199-B) 377969
Bemalkhedkar, M.M.
Recurrent Forbush decreases and relationship between active regions and M-regions. (BARC – 931) 372264
Bembi, Ramesh
Potentiometric determination of thermodynamic parameters for the complex formation of Arsenazo I and Spadns with yttrium(III), zirconium(IV) and cerium(IV). 367100
Bemden, E. van den
Plutonium use – Present status and prospects. 365824
BeMiller, J.N.
6-methoxy-2-benzoxazolinone synthesis in 1,3-butanediol. 349331
Bemis, C.E.
Preliminary considerations in the use of large planar intrinsic germanium detectors for detection of internally deposited actinides. (ORNL – 5171) 367552
Bemis, C.E. Jr.
Mass asymmetry and total-kinetic-energy release in the spontaneous fission of ^{262}[105]. 369464
Production, L x-ray identification, and decay of the nuclide ^{260}105. 364745
Thermal-neutron capture and fission cross sections and resonance integrals for curium-243. 372704
Bemporad, C.
An upper limit for the radiative decay width of the J/psi resonance into eta'(958)+γ. 369353
Bemski, G.
EPR of CU^{+2}:Mb single crystal. (PUC-TN – 24/76) 351787
Bemsky, G.
Interpretation of copper (II): hemoglobin EPR spectra. (PUC-TN – 22/76) 351996
Ben-Hur, E.
Mutagenic activity of photosensitizing drugs – a comparative study. (INIS-mf – 4052) 373605
Photochemistry of 5-bromouracil with psoralen: a probe to elucidate the mechanism of 5-bromouracil sensitization. (INIS-mf – 3663) 354731
Ben-Hur, N.
Radiopharmacology of the phosphorus burn: radioautography, biochemistry, pathophysiology and neutralization. (INIS-mf – 4052) 376126
Ben Marzouk, M.T.
Influence of molybdenum on the high-temperature mechanical resistance especially creep resistance around 700°C of 18-14 type stainless steels. (CEA-R – 4679) 354495
Benacka, S.
Josephson effects in long superconducting bridges with variable thickness. 359193
Benada, J.
Experience with converter model 8215 by LABEN. (INIS-mf – 4143) 374296
Benadik, A.
Safety features in the design of the plutonium laboratory of the Nuclear Research Institute (NRI). 362865
Benard, P.
Measurement of water volumes in different animal species with radioisotopes. 376173
Benaroya, R.
Ultra-short pulses of heavy ions. 360713
Benaseth, N.
Multiple scattering effects in secondary electronic emission of single crystals under ionic bombardment. (INIS-mf – 3996) 364034
Benayoun, N.
On the reconstruction of coupled two-body channel amplitudes. 368524
Benbow, J.A.
Electron impact studies. CXVII. 378217
Benc, S.
Induced mutations for disease resistance in wheat and barley. 373713
Bencivenga, B.
Potentiometric determination of azides by the aid of special electrodes. (KFK-TR – 535) 354282
Bencze, G.
Class of integral equations for the N-particle transition operators. 359231
Bencze, Gy.
Combinatorial problems in N-particle scattering. 369406
Benczer-Koller, N.
Magnetic moments of the 2^+ first excited states of even iron isotopes. 359463
Bendall, M.R.
Electron and nuclear spin relaxation in S = 1/2 paramagnetic transition-metal complexes. 355977
Bendel, W.L.
Transitions in ^{27}Al excited by 180° electron scattering. 364768
Bender, B.
Function and set up of public participation in the nuclear licensing procedure. 352944
Bender, B.K.
Design of a Josephson-junction picosecond pulser. 374012
Bender, C.F.
Potential energy curves and predicted fluorescence for neon fluoride. 358628
SCF-stabilization approach to excited states embedded in the continuum. 350570
Bender, D.J.
Mechanical design criteria for continuously operating neutral beams. (UCID – 17573) 366650, 372077
Perspective on the fusion-fission hybrid reactor. (UCID – 17622) 371746
Preliminary assessment of a symbiotic fusion – fission power system using the TH/U refresh fuel cycle. (UCID – 17607) 374471
Review of mirror fusion reactor designs. (UCRL – 79433) 350805
Bender, M.
Quality assurance considerations for nuclear power system selection. 355359
Bender, M.L.
Carbon isotopic compositions of recent planktonic foraminifera of the Indian Ocean. 373448
Benderskaya, L.A.
Investigation of dependence of ion-exchange properties of modified zirconium phosphate on quality of initial oxozirconium nitrate. 351480
Benderskaya, L.P.
Moessbauer effect on Sn^{119} nuclei in system of mMg_2SnO_4-(1-m)$Mg_3(BO_3)_2$ solid. 348827
Benderskij, A.R.
Analysis of angular distributions of elastically scattered neutrons on ^{235}U. (INIS-mf – 3895) 354119
Evaluation of nuclear constants for ^{235}U in the neutron energy range from 10^{-4} to 15 MeV. (INIS-mf – 3895) 356804
Evaluation of nuclear constants for ^{240}Pu to construct a complete file. (INIS-mf – 3895) 354039
Bendig, D.J.
Prospect of international cooperation on high-level-waste disposal on the ocean floor. 352880
Bending, R.C.
The geometry system of the three-dimensional Monte Carlo particle transport code SPARTAN. (CEGB-RD/B/N – 3179) 352435
Bendiscioli, G.
Small angle elastic scattering of polarized protons. 356704
Bendjaballah, N.
High spin levels in ^{58}Fe: ground-state and quasi-γ bands. 372723
Recent studies of high-spin states in the fp-shell nuclei. 356693
Unusually strong difference in the side-feeding to the 6^+ doublets of ^{56}Fe populated in heavy-ion compound reactions. 356848
Yrast band of ^{56}Fe: coexistence of prolate and oblate shapes. 356705
Bendt
Decay heat from products of ^{235}U thermal fission by fast-response boil-off calorimetry. (BNL-NCS – 22500) 356923
Bendt, P.J.
Decay heat from products of ^{235}U thermal fission by fast-response boil-off calorimetry. (LA-NUREG – 6713) 374148
Decay heat measurements by fast-response boil-off calorimetry. (LA-UR – 77-1758) 357828
Benedek, G.
Surface phonons from atom scattering angular distributions: a theoretical analysis. 368739

Benedek, R.
Relationship between defect resistivity and bulk resistivity at the melting temperature. 351730
Benedek, S.
A computer code for nuclear reactor core thermal transients. 355245
Benedetti, F.
Experiments carried out in the RB-2 reactor by null reactivity oscillator method on HTR lattices. 360793
Benedict, G.F.
Skylab SO19 ultraviolet spectra of HD153919 (=3U1700-37) and HDE226868 (=Cyg X-1). (CONF-7510169 –) 364355
Spectral calssification with objective-prism spectra from Skylab. 369102
Benedict, R.W.
Evaluation of methods for immobilizing solids loaded with krypton-85. (ICP – 1130) 366073
Benedict, U.
Study of uranium-plutonium carbide-based fuel simulating high burnup. 378458
Benemann, A.
Cavitation problems in mixing devices of SNR-300 fuel elements. (IWGFR – 9) 350249
Flow and mixing conditions in the upper plenum of the SNR 300. 371007
Benemanskaya, G.V.
Effect of a surface state on anomalies in exciton spectra of CdS monocrystals at 4.2 K. 374673
Benenson, D.M.
High voltage direct current interruption. (EPRI-ER – 376-SR) 361499
Benenson, W.
Excitation of giant resonance in ^{90}Zr by inelastic ^{6}Li scattering. 362085
Exotic nuclei with Z>N. 375161
Benes, E.
Measurements of the velocity spectrum of sputtered Na from a NaI target by a Doppler-shift laser spectrometer. 366341
Benes, J.
Determination of trace elements in soils by instrumental activation analysis. (INIS-mf – 4143) 372899
Determination of trace elements in the atmosphere. (INIS-mf – 4143) 372898
Benev, D.K.
X-ray study of interphase migration of lanthanum cations in zeolite-containing catalysts. 378412
Beneventano, M.
J/psi production and high-mass electron-pair limit in pp collisions at square-roots=52 GeV. 364461
Benezech, G.
High-temperature studies of zirconia-yttria-neodymia solid solutions. 354584
Physicochemical properties of $Ln_2O_3 – Al_2O_3$ and $Ln_2O_3 – Ga_2O_3$ glassy like compounds (Ln = La, Ce, Pr, Nd, Sm, Eu, Gd). 357353
Benford, G.
Coherent radiation from an intense relativistic electron beam rotating in a background plasma. 368951
Scattering of relativistic electron beams by magnetic field errors and beam-induced waves. 371747
Bengtson, R.D.
Plasma rotation during implosion in a theta pinch. 366503
Bengtsson, A.
Lifetime measurements in La II with the beam-laser method. 366314
Bengtsson, R.
On the interpretation of high-spin states. (ZfK – 336) 364650
Pairing in rotating ^{164}Er. (ZfK – 336) 364649
Benhar, O.
Calculations on nuclear matter with state-dependent correlations and a semirealistic nucleon-nucleon potential. 354045
Benimoff, A.
Formation of Fe-Ni-Si planetary cores. 359158
Benincasa, G.
Microprocessors help in control and beam observation at the CERN PS booster. 363151
Beninson, D.
Collective dose commitments from nuclear power programmes. 367822
Benioff, P.A.
Finite and infinite measurement sequences in quantum mechanics and randomness: The Everett interpretation. 366245
Benjamin, R.F.
Laser-target retropulse isolation using an aperture in vacuum. 358915
X-ray shadowgraphing in laser-produced plasma experiments. 359037
Benjamin, S.A.
Effect of immunosuppression on the development of radiation-induced pulmonary disease in Syrian hamsters. (LF – 56) 362715
Hepatic degeneration in beagle dogs after chronic hepatic beta-irradiation. (LF – 56) 365413
Nasal carcinomas in beagle dogs after inhalatioon of relatively soluble forms of beta-emitting radionuclides. (LF – 56) 365412
Toxicity of inhaled $^{144}CeCl_3$ in beagle dogs. X. (LF – 56) 365411
Toxicity of inhaled $^{90}SrCl_2$ in beagle dogs. X. (LF – 56) 365410
Toxicity of inhaled $^{91}YCl_3$ in beagle dogs. X. (LF – 56) 365449
Toxicity of inhaled beta-emitting radionuclides: an experimental approach. (LF – 56) 365426
Toxicity of injected $^{137}CsCl$ in beagle dogs. IX. (LF – 56) 365443
Benjamins, H.M.
Whole body kinetics of glycerol ^{75}Se-triether. (INIS-mf – 4010) 367547
Benka, O.
Determination of two parameters of a distribution of foreign atoms in bulk material by proton induced X rays. 369524
Energy dependence of the X-ray production cross section of Cu and Ag for 150 to 800 keV proton and He^+ bombardment. 374599
Relative K-shell X-ray production cross sections for Cu and Ag for 150 to 800 keV proton and He^+ bombardment. 377016
Benkert, J.
Investigation of the dynamic behaviour of detectors for gas bubbles in sodium flows. 370704
Loads on pressure vessel internals due to subatmospheric-pressure waves. 370872
Benkheiri, P.
Baryon exchange in π^- induced two-body reactions at 9GeV/c and 12GeV/c. (LPNHEX – 77-04) 369355
Impact parameter analysis of the reaction $\pi^-p \rightarrow p\pi^+\pi^-\pi^-$ at 9 and 12 GeV/c with very fast secondary proton. 356510
Benko, H.
Spleno-porto-scintigraphy. (INIS-mf – 4010) 367631
Benko, L.
Thermoluminescent beta dosimetry for routine personnel monitoring. 355504
Benkoula, H.
Evidence of parity violation in neutron capture by ^{117}Sn. 362037
Benmergui, A.
Safety requirements and options for a large fast neutron reactor. 370539
Benn, A.W.
Sunningdale seminar on nuclear policy: a summary of the discussions. 352519
Bennellick, E.J.
Training in radiological protection in the United Kingdom. 355676
Bennett, A.
Stirling/hydraulic artificial heart power source. 379393
Bennett, A.G.
Digital RLC analysis of CDU fireset x-units. (BDX – 613-1945) 379453
Bennett, B.
Collective dose commitments from nuclear power programmes. 367822
Bennett, C.A.
Current technical issues in international safeguards. 371283
Bennett, G.A.
Conceptual design of a heat pipe radiator. (LA – 6939-MS) 368260
Bennett, G.L.
Summary of LWR safety research in the United States of America. 370886
Bennett, H.S.
Absorbing precipitates in cadmium telluride: estimates for catastrophic laser-damage thresholds. 373333
Bennett, J.G.
Physically based analytical model for predicting HTGR seismic response. (LA-UR – 77-1995) 373788
Seismic response of block-type nuclear reactor core. (LA-UR – 77-218) 352668
Summary of structural safety analysis of HTGR core supports. (LA-UR – 77-1994) 365513
Bennett, J.R.J.
LEP injection. 363154
A study of some features of the ultra high vacuum systems for EPIC. (RL – 77-038-B) 365741
Bennett, J.W.
U. S. programs on reference and advanced cladding/duct materials. (HEDL-SA – 1175) 368197
Bennett, L.
Regional nuclear fuel centers: IAEA study project. 359855
Bennett, L.L.
Regional nuclear fuel cycle centres. 366141
Regional nuclear fuel cycle centres. IAEA study project. 368450
Bennewitz, F.
Development of a depletion program for the calculation of the 3D-burn-up dependent power distributions in light water reactors. (BMFT-FB-K – 77-06) 370906
Effects of lowered coolant temperatures due to accidents on the PWR reactor core. 370903
Interface current techniques for multidimensional reactor calculations. 350107
Bennink, A.H.
The preparation of self-supporting oxygen-free lead targets. 362161
Beno, I.
Protein metabolism after gastrectomy. II. 379141
Beno, P.
Irradiation probe and laboratory for irradiated material evaluation. 354624
Benoit a la Guillaume, C.
Comments on the paper 'Anti-Stokes luminescence in europium monochalcogenides'. 368804
Benoit, R.
Fast pulse discriminator for photon counting at high photon densities. (EUR – 5631) 361068
Benova-Metodieva, D.
Development of a three component drug combination in view of protection from genetic radiation damage. (INIS-mf – 4134) 367483
Benova, D.
Radioprotective effectiveness and toxicity of ATP, AET and

serotonin applied individually or simultaneously to mice. Pt. 3. 352028
Bensasson, R.
Laser flash photolysis of rhodopsin at room temperature. 365344
Benson, D.A.
Application of pulsed electron beam vaporization to studies of UO_2. (SAND – 77-0429) 357732
Rate effects in the dynamic vaporization of uranium dioxide. (SAND – 77-1032C) 367735
Benson, G.C.
Ultrasonic velocities for deuterium oxide – water mixtures at 298.15 K. 362188
Benson, P.E.
Precision of the relative compaction test using nuclear gages. Final report. (PB – 268098) 365671
Benson, S.W.
Intramolecular isotope effect in laser multiphonon dissociation of CH_2DCH_2Cl. 369614
Bentley, G.
The production of medically useful radioisotopes at the Los Alamos Meson Physics Facility. (INIS-mf – 4010) 356850
Bentley, K.R.
K^-n elastic scattering between 610 and 840 MeV/c. 356502
Bentley, M.
The variability of flat-spectrum radio sources at 962 MHz. 349029
Bentley, P.G.
Acoustic emission test on a 25 mm thick mild steel pressure vessel with inserted defects. 365764
Bentley, W.C.
Half-life of ^{239}Pu by two independent methods. 351375
Benton, E.V.
Calibration of high-energy heavy-particle beams with plastic nuclear track detectors. 352814
High-LET particle dosimetry in the ASTP-Biostack III: Zea mays experiment. 360250
Isotope resolution using plastic detectors. 352813
Radon and daughter measurements with active and passive devices using track etch detectors. (HASL – 325) 378911
Radon dosimetry using plastic nuclear track detectors. 376623
Benua, R.S.
Gallium scans for follow-up of patients with lymphoma and hepatoma. 354973
Benvenuti, C.
Pressure measurements for the ISR at CERN. 370755
Vacuum cold bore test section at the CERN ISR. 363155
Benyacar, M.A.R. de
Crystal structure of ferroelectric guanidinium uranyl sulphate trihydrate. 355940
Benz, R.
Estimation of the pressure load on the containment during hypothetical steam explosions. 370531
A vapour bubble collapse model to describe the fragmentation of low-melting materials. (IKE – 2-40) 376297
Benzi, V.
Official minutes of the eighth INDC meeting. (INDC – 22/LN) 356706
Benzley, S.E.
Evaluation of nonlinear finite element computer programs for the static structural analysis of large shipping containers. (SAND – 76-0557) 367941
Bequevort, P.
Diagnostic applications of ^{123}I as a routine thyroidal tracer. (INIS-mf – 4010) 370431
Beranger, G.
Study of the oxidation behaviour of the TA6Zr5D (685) alloy at high temperature. 378297
Berard, A.
Inclusive production of charged pions in K^-p interactions at 32 GeV/c. 353960
Berardo, P.A.
Dosimetry of pion therapy beams. 352351
Berbano, M.C.
An assessment methodology of environmental risks associated with radioactive waste management. 368397
Berceanu, I.
Resonances analog to parent states in continuum. 356707
Bercha, D.M.
Energy spectrum and electrical properties of strong-anisotropic crystals with "covalent bridges". 366393
On the nature of low-temperature 'phase' transition in SbSI ferroelectric-semiconductor. 358860
Structure of energy bands and two-phonon absorption in $CdGa_2S_4$ and $CdGa_2Se_4$ crystals. 371666
Berchenko, N.N.
Mercury telluride as a zero-gap semiconductor. 374674
Berchler, A.
Vacuum polarization tensor and current operator in quantum electrodynamics with compensating current. 353040
Berdermann, E.
Positron production in superheavy ion-atom collision systems. 376966
Berdermann, K.
Munich heavy ion post accelerator. 363308
50kW-transmitter for the Munich heavy ion postaccelerator. 363156
Berdichevskij, Z.M.
Dynamic memory device. 376679
Berdizade, N.A.
Extraction-photometric method for determination of titanium (3), molybdenum (5), niobium (5) using rhodanide and triethylamine and diphenylguanidine. 375223
Berdnikov, V.R.
Interaction in the potassium tetrametaphosphimate-praseodymium chloride-water system. 375547
Berdonosov, S.S.
Thermal stability and pressure of saturated vapor of zirconium and hafnium acetylacetonates. 369595
Berdzenishvili, O.L.
Some properties of hadron-nucleus interactions in the energy range from 100 to 1000 GeV. 349087
Study on angular characteristics and multiplicity of secondary particles in cosmic hadron interactions with nuclei at mean energy 400 GeV. 361871
Beres, B.
Actions of exogenous histones and other proteins on [^{3}H]-thymidine incorporation into DNA of Novikoff hepatoma cells. 360305
Beres, W.P.
Valence – doorway model for radiative capture. 359419
Beresin, A.B.
Rotating plasma in the "Tornado-650" trap. (INIS-mf – 3963) 371750
Bereskin, V.V.
Determination of lead and zinc in polymetallic ores by x-ray radiometric method using incoherent scattered radiation. 351934
Beresnev, B.I.
Effect of hydroextrusion on the armco-iron and U-8 steel structure and properties. 373176
Beresnev, Eh.N.
Interaction in the potassium tetrametaphosphimate-praseodymium chloride-water system. 375547
Investigation of thorium phosphates. 351626
Beresnev, V.L.
Changes in the acid resistance of erythrocytes following chronic fast neutrons irradiation animals. 349733
Beresneva, T.I.
Behaviour of potassium hexachlorniobate when heating in various gas media. 356995
Beresovski, T.
Studies relating to central nuclear heat supply systems in the United States. 376780
Beresten', N.E.
Nickel hardened with zirconium dioxide and yttrium oxide. 349518
Berestenko, V.I.
Some properties of high-dispersed SiO_2, GeO_2, NoO_3 producted by plasmochemical method. 369610
Beretvas, A.
Measurements of the total cross-section difference and the parameter Csub(LL) in pp scattering with longitudinally polarized beam and target. 356485
Suggestion for a dibaryon resonance in the pp system. 356426
ZGS beam transport for transverse or longitudinally polarized protons. (ANL-HEP-PR – 77-61) 367959
Berezdivin, R.
Some remarks on the Bonnor-Swaminarayan solution. 353041
Berezhetskij, M.S.
Some characteristics of ohmic heating plasma in the L-2 stellarator. (INIS-mf – 3963) 371712
Berezhko, E.G.
Theoretical study of inner-shell alignment of atoms in electron impact ionisation: angular distribution and polarisation of x-rays and Auger electrons. 348645
Berezhnaya, N.K.
On interaction of vanadium of different oxidation degree with benzohydroxamic acid. 362125
Berezhnoj, A.S.
Multicomponent silicate systems. 349203
Berezhnoj, V.I.
Formate and carbonyl-formate complexes of ruthenium. 369596
Berezhnoj, Yu.A.
Analysis of elastic scattering of medium energy particles on nuclei according to the diffraction model. (KFTI – 75-15) 361959
Diffraction scattering of high-energy nucleons by nuclei. (KFTI – 75-15) 361958
On the determination of nuclear parameters on the basis of the diffraction model. 364651
On the one-nucleon transfer reaction in high energy range. (KFTI – 75-15) 361957
Berezhnyj, V.L.
Experimental investigations of current discharge plasma confinement in L = 1 torsatron in the region of low-frequency collisions. (INIS-mf – 3963) 371756
Berezin, A.A.
On possibility of the Auger effect on positron capture by a many-center crystal defect. 374676
On the interpretation of the photon energy dependence of the work function in β-rhombohedral. 374675
Berezin, A.B.
Heating a dense theta-pinch plasma with strong fast-rising magnetic fields. 348894
Investigation of dense plasma heating in linear theta-pinch with strong fast-rising magnetic field. (INIS-mf – 3963) 371770
Berezin, B.D.
Stability of complexes of Mg, Zn and Cd with mesoporphyrin in medium of tertiary butyl alcohol – trichloacetic acid. 378251
Berezin, B.Ya.
Tantalum enthalpy in the temperature range from 2400 deg K to melting point. 369905
Berezin, F.A.
Particle spin dynamics as the grassmann variant of classical mechanics. (ITEP – 43) 348577

Berezin, I.L.
Physicochemical investigations into compositions of the Y_2O_3-Lu_2O_3-Eu_2O_3-CaO-GeO_2-Fe_2O_3-PbO-B_2O_3. 369699
Physicochemical investigations into compositions of the Ysub(3-x)Bisub(x)Fesub(5-y)Gasub(y)O_{12}-PbO-B_2O_3-Bi_2O_3. 369698
Berezin, L.F.
Program device on microelectronic circuits. 376680
Berezin, Yu.E.
Bow shock and α component in the transition region, from measurements on the high-latitude satellite Prognoz. 349035
Measurements of the proton and α component of plasma by the Prognoz satellite during high solar activity. 349032
Berezina, T.G.
Microstructure effect on the process of 12Kh1MF steel destruction under creep. 349445
Berezinskij, V.S.
Cosmic neutrinos and search possibility of W-bosons with mass in the range from 30 to 100 GeV in underwater experiments. 361874
Mechanism of cosmic rays getting out of supernova dense shells. 369028
Metagalactic nuclei with superhigh energies. 356188
Shells of young pulsars as the gamma-radiation sources. 369029
Berezinsky, V.S.
High energy neutrinos from supernova explosion and Davis' experiment. 353665
Weak interactions with large dimensionless constant ("neutral currents" as second-order processes). 353042
Berezkina, V.V.
Extraction of rare earths from salt solutions of complex composition with carboxylic acids. 359876
Study of rare earth minerals sintering by soda ash. 357044
Study of rare earths separation process from radioactive impurities. 357083
Bereznai, T.
Radioanalysis of water circuit at nuclear power plants. 365853
Bereznyak, P.A.
Ion microscopy investigation of the impurity trapped interstitials in tungsten. (KFTI – 74-47) 350710
Berezov, V.M.
Polarization echo in crystals. (INIS-mf – 3955) 361416
Berezovec, A.M.
Some results of in core measurements. 368138
Berezovoj, V.P.
Contribution of correlations at the initial state to the medium energy of nucleon separation from light nuclei. 349105
Energy spectra of the (e, e', p) reaction on light nuclei. (KFTI – 75-15) 361960
Berezovskij, V.V.
Study in ion composition on a plasma produced by CO_2 laser radiation. 370736
Berezyuk, V.G.
Sulfur-35 foam flotation kinetics. 378459
Berg, D.
Distribution of ^{201}Tl and of ^{85}Sr microspheres in dog's myocardium after temporary experimental ischemia. (INIS-mf – 4010) 362790
Berg, F.V.D.
Clustering of helium atoms at A1/2 <111>110 edge dislocation in α-iron. 351731
Berg, G.
Pharmacokinetics of /sup 99m/Tc diphosphonate. 352088
Berg, G.E.
CRBRP design and test results for fuel handling systems, plugs, and seals. (CONF-771217 – 1) 379732
Berg, G.P.A.
Study of $^{24}Mg(d(pol),p)^{25}Mg$ with polarized deuterons. 356708
Berg, H.
The polarized proton capture reaction $^7Li(p, \gamma)^8Be$ in the energy range from 380 to 960 keV. 354273
Berg, H. von
Investigation of the high temperature steam oxidation of zircaloy 4 cladding tubes. (KFK – 2435) 357299
Berg, M.E.
Reactions of iodine with olefins. IV. Preferential site attack of electrophilic high energy iodine in gaseous, high pressure, and liquid butene-1. 359811
Berg, U.
A comparative study of the giant dipole resonance of sup(24,26) Mg with special emphasis on the proton decay channel. 364617
Berg, V.
'On-line' spectroscopic study of energy states of ^{187}Au: interpretation in terms of triaxial nuclear deformations. 377981
Comptetition of nuclear shapes in Hg, Au and Pt isotopes near A = 186. 377984
Bergbauer, A.
Device for closing defective heat exchanger tubes. 376329
Berge, G. van den
Experimental control of Stewart's theoretical model of large amplitude moving striations. 353190
Berge, J.P.
Ratio of neutral-current to charged-current cross sections for inclusive neutrino interactions in hydrogen. 351220
A study of inclusive Ξ^- production from K^-p interactions at 4.2 GeV/c. 353964
Bergel'son, B.R.
Technique for calculating two-dimensional temperature distribution in a cylindrical block. (ITEF – 20) 357897
Transient processes in case of reactor main circulating pump cutting out. (ITEF – 89) 376455
Bergemann, W.
Criteria of classification of equipment in nuclear power plants for the purpose of introducing individual weld quality requirements. 374100
Bergenlid, U.
Experimental investigations of the power-ramp failure propensity of light-water reactor fuel. 365865
Berger, C.
Elastic π^0 electroproduction above the resonance region. (DESY – 77/42) 364562
Electroproduction of neutral pions and test of the quark-parton model. (DESY – 77/47) 364561
Experimental results in photoproduction. (DESY – 77/53) 353938
Berger, Ch.
Electroproduction of neutral pions and test of the quark-parton model. 356394
Berger, D.
Application of ideal MHD stability code Erato to high beta tokamak equilibria. (INIS-mf – 3963) 371819
Effect of current peaking on non-circular uniaxial tokamak equilibria. 348883
Limitation of the toroidal current of a Tokamak discharge in the MHD approximation. 377346
Numerical MHD stability calculations of a D-shaped elongated, small aspect ratio tokamak. (INIS-mf – 3963) 371749
Numerical study of the effect of current peaking on the MHD stability of a small aspect ratio tokamak. (INIS-mf – 3963) 371748
Stability of the axisymmetric modes of a Tokamak discharge. 377345
Stabilization of a Tokamak discharge by an external conducting screen. 377349
Berger, E.L.
Production and decay systematics of the A_1 resonance. (ANL-HEP-CP – 77-31) 364474
Unitary coupled-channel analysis of diffractive production of the A_1 resonance. 359230
Berger, F.P.
Mass transfer in turbulent pipe flow measured by the electrochemical method. 357898
The status of nuclear power and its fuel cycle as seen at the Salzburg conference in May 1977. 368411
Berger, G.
Carbon-11-labelled compounds in dynamic imaging studies of the brain. 354950
Berger, J.
^3He production in ^4He fragmentation on protons at 6.85 GeV/c. 354154
Angular distribution measurement of the reaction $\alpha p \rightarrow {}^3He\ d$ at 3.98 GeV/c. 354147
Berger, P.S.
Radiation-induced cranial nerve palsy. 357589
Berger, R.L.
Coupling of slow and fast waves to plasmas near the lower hybrid frequency. (PPL – 1366) 356083
Lower hybrid parametric instabilities: Nonuniform pump waves and tokamak applications. 364170
Nonlinear saturation of the dissipative trapped-electron instability. 358925
Berger, S.
The adsorption kinetics of oxygen on a tungsten polyhedral single crystal. 369907
Berger, S.B.
Does the neutrino carry orbital angular momentum. 364475
Bergere, R.
Features of the giant E1 resonances. 349106
Bergeret, G.
Field emission study of ammonia absorption and catalytic decomposition on individual molybdenum planes. 362367
Interaction of NH_3 with Mo at low and high temperatures studied by thermal desorption mass spectrometry. 369906
Bergeron, J.
Extended H I regions around spiral galaxies: a probe for galactic structure and the intergalactic medium. 369030
Bergeron, K.D.
Power flow studies of magnetically insulated lines. (SAND – 77-1365C) 367976
Bergeron, R.J.
Behavior of carbide fuel in local and whole core accidents. (CONF-761001 – P3) 365987
Safety aspects of carbide irradiations in FTR driver positions. 379288
Bergersen, B.
Decay studies of some nuclei around Z = 50: sup(106 m)Ag, sup(103, 119, 121)Cd. (INIS-mf – 3946) 362070
Positron trapping at dislocations in metals. 355952
Bergeson, H.E.
Measurement of light emission from remote cosmic-ray air showers. 365315
Bergh, C. de
Evidence for a telluric value of the $^{12}C/^{13}C$ ratio in the atmospheres of Jupiter and Saturn. 366682
Bergher, M.
Double frequency rf system to increase the DCI energy. 363157
Berghofer, D.
New limit on the decay $\mu^+ \rightarrow e^+\gamma$. 372516
Berghofer, D.A.M.
Measurement of the π→eupsilon branching ratio. (INIS-mf – 4267) 377792

Bergia, S.
Is a Bell-type inequality for nondicotomic observables a good test of quantum mechanics. 363747
Bergloeff, D.
Pressurised-water reactor plant. (German (F.R.) patent document 2510016/C/) 355381
Berglund, B.
Hydrogen bond studies. Pt. 125. 355953
Berglund, B.E.
Biological/paleoecological analysis for modern archaeological research. (INIS-mf – 4037) 357444
Bergman, B.
Dissolution ad uptake of cadmium from dental gold solder alloy implants. 373584
Bergman, C.
Two investigations concerning the release of tritium. I. Tritium leakage from ^{3}H(Sc) EC-detectors. 370696
Bergman, J.E.
Quality data systems. 376866
Bergman, M.
Dissolution ad uptake of cadmium from dental gold solder alloy implants. 373584
Bergman, Ronny
A composite dose calculation model for local, regional and global atmospheric dispersion. 370558
Bergmann, H.
Annual report 1975. (GSF-R – 132) 349668
Comparison of concentration rates of calcium and pyrophosphates in bone. (INIS-mf – 4010) 357619
Extraction of Tc-sulfur-colloid and liver and spleen uptake in patients with chronic diseases of the liver parenchym and neoplasms. (INIS-mf – 4010) 367685
Spatial resolution and sensitivity of a whole-body profile scanner. (INIS-mf – 4010) 358341
Bergmann, H.J.
Results of in-pile creep measurements on pressurized capsules made of stabilized stainless steels WNr. 1.4981, CW and WNr. 1.4970, CW,A. 360058
Bergmann, P.G.
Symmetries in gauge theories. 368525
Bergmann, W.
Safety and process instrumentation – concept. 376456
Bergoc, R.M.
Immediate action of L-2,3,5,6-tetrahydrophenylimido (2,1b) azothiazol (levamisole) on the phagocytosis of inert radiocolloidal particles. 373585
Bergquist, L.E.
Study of the applicability of $^{3}He/^{4}He$ ratio for uranium prospecting. Final report. (GJBX – 58-(77)) 373411
Bergqvist, I.
Radiative capture of fast neutrons by ^{89}Y and ^{140}Ce. 377970
Semidirect capture of neutrons. 354148
Bergstralh, J.T.
Io: morphology of its sodium emission region. 361720
Bergstroem, B.
Tritium in atmosheric hydrogengas at a Swedish sampling station at Hagfors. (FOA-C-T2 – 40062) 365316
Bergstroem, I.
High-spin states and neutron multiplicities after pion capture in ^{181}Ta and ^{209}Bi. (INIS-mf – 4267) 377966
On the yrast levels in ^{204}Pb. 375190
Bergstroem, J.
Rotating plasma in the "Tornado-650" trap. (INIS-mf – 3963) 371750
Bergstroem, U.
Radiation doses in accidents at sea-transportation of spent fuel. (KBS-TR – 57) 376836
Bergstroen, I.
Study on antiprotonic atoms of light nuclei and isotopes. 371523
Bergstrom, J.C.
Electroexcitation of the giant resonance of $^{17}0$. 356849
Berka, I.
Isospin mixing of the 5605 and 5668 keV states in ^{18}F in the light of a new state at 5603 keV. 354149
Berkbigler, K.P.
Estimating the availability of LLEA officers. (SAND – 77-8626) 363722
Berkbigler, L.
25 megajoule energy storage and delivery system for the Shiva laser. (UCRL – 79700) 374819
Berkelman, K.
Review of experimental results in electroproduction. 364563
Berkenkamp, H.
Concept of the primary heat transfer systems of the SNR 2. 371008
Berkey, E.
Development of a sodium ionization detector for sodium-to-gas leaks. (CONF-760503 – P2) 352721
Technology development for a 3000 HP homopolar generator with liquid metal current collectors. (CONF-760503 – P2) 352392
Berkeyheiser, J.E.
Dependence of DC electroluminescence and host-excited photoluminescence on Tb^{3+} concentration in sputtered $ZnS:Tb^{3+}$ films. 353325
Berkhahn, W.
Influence of process gas temperature on the uranium isotope separation in the separation nozzle. (KFK – 2466) 360553
Berkman, M.I.
Calculation of electron capture characteristics for ^{59}Ni. 359378
Berkner, K.H.
Cryopump, neutral-beam compatibility test. (LBL – 5943) 377348
D- production by backscattering from clean alkali-metal surfaces. (LBL – 6839) 363922
Electron capture and loss cross sections for multicharged iron and argon ions in argon and molecular hydrogen. 368610
Equilibrium charge-state fractions for 2.7-31 keV deuterium atoms and ions in strontium vapor. 366321
Performance of a developmental 120-keV, 10-A deuterium (14-A hydrogen) neutral beam system. (LBL – 6384) 377347
Single electron capture and loss cross sections for highly stripped Fe ions in hydrogen at 3.4 MeV/nucleon. 353191
Berko, S.
Momentum density measurements with a new multicounter two-dimensional angular correlation of annihilation radiation apparatus. 358342
Berkov, A.V.
Energy spectra of secondary leptons in the $e^{+}+e^{-}\rightarrow L^{+}+L^{-}$ process. 369263
Berkova, G.A.
Contact contribution in lanthanide shifts of ^{1}H and ^{31}P in nuclear magnetic resonance spectra of phosphonates. 369597
Berkovskaya, V.V.
Computer processing of geological-geophysical information on the gas-bearing series of the Sourth-East Dnieper-Donetsk hollow. 378827
Experience in application of the operative interpretation PG-2 system in the Eastern Ukraine. 349615
Berkovskij, A.G.
High time resolution and high output current photomultiplier. 358409
Berkovskij, V.S.
Possibilities of enhancing the rolling quality in the course of deformation of high-alloy steel ingots on the roughing mill. 375794
Berkowitz, J.
Formation and predissociation of CO^{2+}(C $^{2}\Sigma^{+}$/sub g/). 350468
Photoionization mass spectrometry of HI and DI at high resolution. 368510
Photoionization of H_2O: mechanisms of dissociative ionization. 376972
Photoionization of N_2O: Mechanisms of photoionization and ion dissociation. 350465
Berlande, J.
Collisional depopulation of Rydberg P states of rubidium at thermal energies. 377021
Electron – Cs^{+}-ion recombination in the presence of neutral helium atoms. 358947
Berlanger, M.
Fusion and deep inelastic collisions studied on the Ar+Au system. Pt. 1. 359510
Neutron-multiplicity in deep inelastic collisions: 365 MeV Cu+Au system. 356855
Statistical fluctuations and the double differential cross section for energy and angle in deep inelastic reactions. 375101
Berley, D.
Experimental Hall design considerations. (ANL-HEP-CP – 77-50) 365736
Berlin, M.
Radioisotopes in the primary circuit of a fast reactor. (IWGFR – 7) 360965
Sodium fire studies in France safety tests and applications on an LMFBR. (CONF-761001 – P4) 362922
Berlin, R.E.
Waste trench cap study of remedial work for West Valley. 352884
Berliner, P.
The "Nuclear-Karlsruhe" air-filter system. 360655
Berlinsky, A.J.
The anomalous far infrared absorption spectrum of solid paradeuterium in the orientationally order state. 355999
Berlizov, A.B.
Electron temperature measuring in the Tokamak-6 device by means of laser radiation scattering. (IAE – 2583) 348884
X-ray spectra and impurity concentration in the T-10 tokamak. (INIS-mf – 3963) 371751
Berlovich, Eh.E.
Study on decay of ^{118}Xe and ^{119}Xe by means of mass-separator on-line with a synchrocyclotron. 377972
sup(177)Os and sup(179)Os decay. 377971
Berlyand, V.A.
Calibrating film dosemeters in intense electron radiation fields. 360528
Berlyant, S.M.
Development of the process of radiation vulcanization of calendered rubber products using the "Electron-3" accelerator. (INIS-mf – 4194) 376284
Effect of hydrogen peroxide on thermal-oxidative stability of γ-irradiated polyethylene film. 375708
Pilot-industrial production of radiation-modified thermal-shrinkaged "Termoplen" film. (INIS-mf – 4194) 376283
Berman, B.L.
Photofission studies with monoenergetic photons. (BNL-NCS – 22500) 364746
Berman, D.S.
Evaluation of myocardial uptake of /sup 99m/Tc pyrophosphate in clinical exercise-induced ventricular ischemia. 360368
Berman, D.W.
Rare gas molecular ions: formation of XeF^{+} by ion – molecule reactions in Xe and NF_3 and evidence for radiative deactivation of Xe^{+} (^{2}Psub(1/2). 371458

Berman, L.S.
On the problem of γ-radiative defects in crucibleless high-resistance silicon. 348766
Berman, R.H.
Stellar dynamics in thin disk galaxies. I. A unified approach to hydrodynamic and orbit theories. 350981
Bermuedez, G.G.
Level structure of ^{80}Rb studied with the ^{79}Br(α, 3n) reaction. 354146
Bernabei, R.
Multihadron production e^+e^- annihilation at 1.6 c.m. energy. 364575
Bernabei, S.
Landau damping of low and high power slow electrostatic waves. (PPPL – 1372) 361605
Landau damping of low- and high-power slow electrostatic waves. 366611
Plasma-wave coupling and propagation using phased waveguide arrays. 348885
Bernabeu, J.
The axial current in extended systems. 354062
Implications of parity violation in atoms for gauge theories. 368526
Parity violation in atomic physics and gauge theories. (LYCEN – 7702(pt.1)) 358632
Bernacca, P.L.
Periodic flickering in the optical spectrum of HZ Herculis. (CONF-7510169 –) 364280
Bernal, I.
Crystal structure of $Mn_3[Co(CN)_6]_2.12H_2O$ and $Cd_3[Co(CN)_6]_2.12H_2O$ by neutron and x-ray diffraction. 378212
Bernard, A.
Analysis of singlet and triplet systems of yttrium hydride, YH and YD. 358710
Anomalous resistivity and subsequent fast particles in the plasma focus. (INIS-mf – 3963) 371752
The dense plasma focus – a high intensity neutron source. 353519
Bernard, A.D.
Transverse-section (tomographic) medical gamma-ray imaging using the J + P multipoise emission tomoscanner. (INIS-mf – 4010) 358343
Bernard, C.
Regularization and renormalization of quantum field theory in curved space-time. (COO – 2220-97) 361246, 366246
Tritium formation and elimination in light-water nuclear plants. 368136
Bernard, E.A.
Nuclear power plant fire protection research. 357739
Bernard, L.C.
Application of ideal MHD stability code Erato to high beta tokamak equilibria. (INIS-mf – 3963) 371819
Limitation of the toroidal current of a Tokamak discharge in the MHD approximation. 377346
Numerical MHD stability calculations of a D-shaped elongated, small aspect ratio tokamak. (INIS-mf – 3963) 371749
Stability of the axisymmetric modes of a Tokamak discharge. 377345
Stabilization of a Tokamak discharge by an external conducting screen. 377349
Bernard, M.
Experimental evidence of ion heating by transit time magnetic pumping. 353516
Numerical evaluation of the ion energy balance in a Tokamak. Application to Petula. (EUR-CEA-FC – 891) 353520
Tokamak discharges in Petula with alumina chamber. (INIS-mf – 3963) 371737
Bernard, S.P.
High-efficiency flux pump power supply using inductive current transfer. 360602
Performance analysis of transformer – rectifier flux pumps. 360601
Bernard, S.R.
Dose commitment estimates based on urinary and fecal excretion data for the case of human exposure to $^{238}PuO_2$. (ORNL – 5171) 367553
Dose-conversion factors for some fission products. (ORNL – 5171) 367594
Estimation of dose commitment from an accidental intake of ^{244}Cm. (ORNL – 5171) 367555
Fifty-year dose commitment to various organs and tissues from inhalation of ^{133}Xe. (ORNL – 5171) 367556
Metabolic model studies of ^{75}Se retention in rats fed or injected with different levels of stable selenium. (ORNL – 5171) 367554
Bernardelli, H. da C.
Gas fluidized bed reactor. (INIS-mf – 4120) 365691
Bernardo, P. di
Thermodynamic properties of actinide complexes. Part 5: Uranyl(VI)-thioglycolate system; thorium(IV)-glycolate and -thioglycolate systems. 375419
Bernas, A.
On the existence of H^- in γ-irradiated matrices at 77 K. 362249
On the formation of heavy ion latent tracks in polymeric detectors. 365232
Bernat, A.P.
Infrared spectra of the WN stars HD 50896 and HD 151932. 372123
Outer atmospheres of M-supergiant stars. 350982
Bernath, L.
Sundesert reliability engineering. 379650
Bernaux, P.
Mutants induced in rice (Oryza sativa L.) for the study of their reaction to Sclerotium oryzae Catt. and Sclerotium hydrophilum Sacc. 373702
Berner, K.
Magnetic particle crack testing device for pipe end inspection. 358011
Bernes, C.
Anisotropic scattering in dark clouds and formaldehyde lifetimes. 364281
Berngen, F.
A four-color surface photometry of Markarian galaxies. 374879
Bernhard, F.
Energy loss straggling of protons and helium ions in carbon. 371563
Bernhard, U.
Changes in trace element concentrations in human serum after parenteral application of amino acids. 369525
Bernhardt, C.
Sternheimer antishielding of the fluorine ion in octahedral $(MeF_6)^4$-complexes of transition metals from perturbed angular-correlation measurements. 374677
Bernhardt, K.G.
$^{12}C + {}^{18}O \rightarrow {}^{8}Be + {}^{22}Ne$ reaction. (RLO/1388 – 362) 372707
Back-angle anomalies in ^{6}Li scattering from ^{40}Ca and ^{44}Ca. 359461
Elastic scattering of ^{16}O by ^{14}C. (RLO/1388 – 362) 372705
Observation of gross structures in the gamma ray yields following the $^{16}O + {}^{12}C$ reaction. (RLO/1388 – 362) 372706
Bernheim, M.
Researches with the 600MeV Linac. Chapter 4. (CEA-N – 1959) 354138
Bernholc, J.
Theory of photoionization cross sections of impurities in semiconductors. 370203
Bernreuter, D.
Evaluation and assessment of nuclear power plant seismic methodology. (UCRL – 52236) 357733
Bernreuter, D.L.
Analysis of Diablo Canyon site response spectra. (UCRL – 52263) 357735
Assessment of seismic wave effects on soil-structure interaction. (UCRL – 79292) 357734
Geophysical assessment of near-field ground motion and the implications for the design of nuclear installations. (UCRL – 79714) 373789
Overview of the relations earthquake source parameters and the specification of strong ground motion for design purposes. (UCRL – 79982) 362866
Bernshtejn, D.A.
Physical grounds for application of scattered gamma radiation to determine the diameter of casing columns. 375985
Bernstein, A.M.
Explanation of near equality of isoscalar and electromagnetic transition rates in neutron-excess nuclei: comparison with data. 361961
Explanation of the near equality of isoscalar and electromagnetic transition rates in neutron-excess nuclei; representation of the data in terms β/sub αα'/β/sub em/. (UCID – 17508) 351266
Bernstein, D.
Evaluation of explicit finite-difference techniques for LMFBR safety analysis. (CONF-761001 – P3) 365520
Bernstein, E.
The nuclear deformation of ^{148}, ^{15}+H0, ^{152}, ^{154}Sm determined from neutron scattering measurement. (INIS-mf – 3897) 356876
Bernstein, E.R.
Uranium isotope separation in the solid state. Progress report, December 1, 1976 – June 1, 1977. (COO – 4118-1) 360554
Vibrational spectra of transition metal hexafluoride crystals. I. 357389, 365216, 365217
Bernstein, R.B.
Crossed molecular beam study of the endoergic reaction $Hg + I_2 \rightarrow HgI + I$ from threshold to 2.6 eV (c.m.). 366356
Thermodynamic approach to collision processes. 363905
Bernthal, F.M.
High-spin level structure of ^{188}Pt. (ZfK – 336) 364758
Island of high spin isomers near N = 82. (ZfK – 336) 364811
Island of high-spin isomers near N = 82. 367001
Bernu, B.
Transport coefficients of the classical one-component plasma. 356084
Berny, L.
Study of the reaction $\pi^+p \rightarrow K^+\Sigma^+$ between 1.721-1.954 GeV c.m. energy. 356528
Beroff, K.
Relaxation of sodium atoms in the 4D level by collision with noble gases: preliminary result. 353194, 376975
Berreth, J.R.
Development of a fluidized-bed calciner and past-treatment processes for solidification of commercial fuel-reprocessing liquid wastes. (ICP – 1136) 380023
Preparation and characterization of sintered glass-ceramics from calcined simulated high-level waste. 358502
Berridge, D.R.
The breeder reactor in electricity supply. 371009
Berrier-Ronsin, G.
The ^{116}Sn (d,t)^{115}Sn reaction at 23 MeV. 354150
Study of ^{191}Pt, ^{193}Pt, ^{195}Pt and ^{197}Pt using pick-up reactions. (IPNO-PhN – 77-13) 356709
Berrington, K.A.
Electron excitation functions for the 2^1S, 2^1S, 2^3P and 2^1P states

of helium between the n = 2 and n = 3 excitation thresholds. 374614
Free-free transitions of an electron in the presence of an atomic system. 353189
The low energy scattering of electrons from atomic helium using the R-matrix method. 368611
Berry, H.G.
Material-dependent variations of alignment in beam-foil excitation. 366323
Optical observations of the dissociation of fast molecules in thin foils. 366322
Orientation of fast ions excited in surface collisions. (CONF-770642 – 11) 355857
Thin carbon foil breakage times under ion beam bombardment. 373360
Berry, L.A.
Electron heating by neutral beam injection in Ormak. (INIS-mf – 3963) 371961
Electron heating by neutral-beam injection in the Oak Ridge tokamak. 358985
Berry, R.J.
Fast neutron therapy beam produced by 26 MeV protons on beryllium. 376243
High energy fast neutrons from the Harwell variable energy cyclotron. II. Biologic studies in mammalian systems. 379007
Berryhill, S.R.
Substituted uranocenes with alkoxy and amino groups. 365022
Berryman, J.G.
Discrete inverse scattering theory and the continuum limit. 376894
Bers, A.
Parametric excitation of kinetic waves: Ion-Bernstein waves by a lower hybrid pump wave. 350968
Stochastic ion heating by a perpendicularly propagating electrostatic wave. 358969
Three-dimensional effects in the non-linear propagation of lower-hybrid waves. 372019
Waveguide array excitation of lower hybrid fields in a tokamak plasma. 374830
Bersenev, Yu.S.
Effect of high pressure on magnetic properties of Cr_3Te_4 ordered alloy. 377196
Bershitskij, A.A.
Application of acoustic technology in hydrometallurgical processes. (INIS-mf – 3914) 349379
Improvement of rotor-pulsation apparatuses for machining of high-abrasive media. (INIS-mf – 3914) 349572
Bersillon, O.
Analytical calculation of efficiency of a hydrocarbon scintillator as a neutron detector. (INIS-mf – 3896) 361024
First levels of a S^{32} nucleus observed in the $^{31}P(d,n)S^{32}$ reaction. (INIS-mf – 3896) 356908
Study on the $^{140}Ce(d,n)^{141}Pr$ reaction at 12 MeV deuteron energy. (INIS-mf – 3896) 356673
Bersillon, Olivier
Transformation of angular distributions from the center of mass to the laboratory system. (CEA-N – 1993) 359379
Berson, I.Ya.
Particle scattering in the presence of a strong electromagnetic wave. (INIS-mf – 3915) 348646
Berstermann, W.
Electrode for the spectral analysis of alloys. (German (F.R.) patent document 2607596/B/) 351469
Bertanza, L.
Observation of interference correlations between like pions in the reaction proton antiproton→2πsup(+) 2πsup(-)πdeg at low energy. 356382
A thermodynamical analysis of the charged-pion momentum spectra from the annihilation proton-antiproton→ πsup(+-)Ksub(s)sup(deg)Xsup(+-) at low energy. 353755
Bertaux, J.J.
Measurements in interplanetary space and in the Martian upper atmosphere with a hydrogen absorption-cell spectrophotometer for Lα-radiation on-board Mars 4 – 7 spaceprobes. 374293
Bertaux, J.L.
Temperature measurement of interplanetary-interstellar hydrogen. 356189
Ultraviolet spectrometer experiment for the Voyager mission. 374884
Bertel, E.
A new method for the measurement of the mean etchable fission track length and of extremely high fission track densities in minerals. 352808
Berth, A.
Proceedings of the seventh international vacuum congress and the third international conference on solid surfaces. Volume 2. 370007, 370079
Berthe, P.
Realization and testing of a biparametric γ-γ coincidence unit; application: measurement of precise γ transition intensities. 379951
Berthelot, A.
Measurement of the neutral to charged current cross section ratio in neutrino and antineutrino interactions. 361888
Observation of trimuon events produced in neutrino and antineutrino interactions. 356511
Berthet-Colominas, C.
Study of chromium oxyhydroxide (β-CrOOH) by neutron diffraction. 371660
Berthier, B.
Researches with the tandem and the synchrotron. Chapter 1. (CEA-N – 1959) 354137
Berthier, C.
NMR study on a 2H-$NbSe_2$ single crystal. 377163
Berthier, J.
Fabrication of HTR fuel elements by a gaseous impregnation process. (CEA-CONF – 3924) 358245
Berthier, Y.
Hyperfine field in ordered Dy/sub 1-x/M/sub x/Al_2 (M = Y,Gd) compounds. 359896
Berthold, F.
Apparatus for measuring the nuclear radiation of a sequence of radioactive samples. (US patent document 4,029,961/A/) 363578
Arrangement to measure the nuclear radiation of a series of radioactive samples. (German (F.R.) patent document 2558242/A/) 355152
Determination of the liquid scintillation counting efficiency of ^3H and/or ^{14}C labelled samples independently of the degree of colour and/or chemical quenching. 355494
Berthold, H.O.
Chemical decontamination of reactor components. (BMFT-FB-K – 77-01) 355023
Berthold, J.E.
Superfluid transition of ^4He films adsorbed on porous Vycor glass. 351105
Bertholdt, H.
Chemical decontamination of reactor systems. 370634
In-situ decontamination of parts of the primary circuit in Gundremmingen nuclear power plant. 370645
Berthon, A.
Channel cross sections of K^-p reactions from 1.934 to 2.516GeV/c. (LPC – 77-01) 369354
Berti, S.
Analysis of the $\omega\pi^-$ system produced in the reaction $\pi^-p\rightarrow\pi^-\pi^-\pi^+\pi^0p$ at 11.2 GeV/c. 353965
Search for short-lived particles produced by 300 and 400 GeV/c protons in nuclear emulsions. 364564
Bertin, A.
Measurement of fission neutron spectra of the U^{235} and U^{238} fission induced by 0.6 and 7 MeV neutrons. (INIS-mf – 3896) 356710
On the initial population of the 2S metastable state in muonic hydrogen and deuterium. 359232
Bertin, F.
Atmospheric waves induced by the solar eclipse of 30 June 1973. 354700
Bertin, P.Y.
$^{12}C(\pi^-,p)^{11}Be$ reaction induced by pions at rest. (LYCEN – 7702(pt.1)) 369473
Bertinchamps, A.J.
The effects of γ-irradiation on the hydration characteristics of DNA and polynucleotides. Pt. 3. 376066
Bertini, A.
Experience on the application of safeguards systems to Italian nuclear power plants. 371288
Bertini, H.W.
High energy (E less than or equal to 1000 GeV) intranuclear cascade model for nucleons and pions incident on nuclei and comparisons with experimental data. (ORNL/TM – 5710) 359380
Monte Carlo simulation of turbulent atmospheric transport: comparison with experimental data. 378901
Solar energy as an alternate energy source to mixed oxide fuels in light-water cooled reactors. (ORNL/NUREG/TM – 131) 366158
Bertke, S.D.
The dynamics of high compression of laser fusion targets. 374807
Bertling, J.
A fast whole-body imaging device. (INIS-mf – 4010) 358396
Bertlmann, R.
A Regge model with derivative relations for πN → (rho, ω)N. 356393
Bertolini, E.
Plasma power balance models for self-sustained tokamak reactors. 348886
Bertolo, L.A.
Lattice dynamics of aluminium, lead and thorium on modified Bhatia's model. (UEC-S – 162/32/75) 363958
Lattice dynamics of silver and gold on Krebs's model. (UEC-S – 160/30/75) 363959
Bertolotti, M.
Amorphous-polycrystal transition induced by laser pulse in self-ion implanted silicon. 355982
On the γ-photon detection processes and the statistics of radiation. 363751
Bertolucci, E
Reaction $\pi^-p\rightarrow X$ deg n, X deg → 2γ at momenta 15 and 40 GeV/c. (IFVE-SEF – 74-118) 356483
Bertolucci, E.
Measurement of $\pi^-p\rightarrow\pi^0n$ at large momentum transfer. 372503
A new fast and programmable trigger logic. 371097
Observation of a meson X → 2γ, with mass 2.85 GeV/c^2, produced in the charge-exchange reaction $\pi^-p\rightarrow Xn$ at 40 Gev/c. 377780
Study of the reaction $K^-p\rightarrow$anti K^0n at momenta of 25 and 40 GeV/c. 356482
Bertolucci, S.
Experimental confirmation of the 1100 MeV structure and first observation of the leptonic decay of the rho' (1250). (DESY – 77/59) 356491
Measurement of the photoproduction phases of the rho, ω, and phi mesons. (DESY – 77/56) 353934
Measurement of the real part of the virtual compton amplitude

and of the invariant mass yield of the photoproduced e^+e^- pairs in the mass range 1,500 < m < 2,000 MeV. (DESY – 77/60) 356492

Bertoluchchi, E.
Search for associated production of charmed particles in π^-p collisions at 40 GeV/c. (IFVE-PEF – 76-69) 361868

Bertoni, R.
Up-flow and down-flow burnout. 376508

Bertonneau, R.
Irradiated fuel transport and handling system adopted for Electricite de France's nuclear power plants. 367948

Bertozzi, G.
Long-term risk assessment of radioactive waste disposal in geological formations. 352320
On the risk of radionuclide leaching by groundwater and biosphere transport with input data uncertainties described by probability distributions. 370265

Bertozzi, W.
Recent development at M.I.T. 349131

Bertram, R.E.
Safety Analysis Report for Packaging (SARP): USA/9507/BLF (ERDA – AL), Model AL-M1. (MLM – 2447) 379473

Bertram, W.K.
Calculation of the fission cross section for ^{233}U and the interpretation of fragment anisotropy and fine structure in anti vsub(p) and anti Esub(k). (INIS-mf – 3896) 356571
Resonance and background interference in ^{54}Fe neutron capture. 377854

Bertrand-Coremans, G.
Search for strangeness changing neutral currents induced by neutrinos in GARGAMELLE. 361875

Bertrand, D.
Inclusive V^0 production in anti pp interactions at 12 GeV/c. 353939

Bertrand, F.E.
Giant resonances in light nuclei. (INIS-mf – 4267) 377978
Inelastic scattering of π^+ Mesons from nuclei at 50 MeV. 369493
Nuclear Data Sheets. 351238, 351239, 351240

Bertrand, P.
Angular dependence of the scattered ion yields in $^4He^+ \rightarrow Cu$ scattering spectrometry. 361423

Bertsch, D.L.
Enhancement of solar heavy nuclei at high energies in the 4 July 1974 event. 372124

Bertschat, H.
New Van de Graaff terminal for VICKSI. 363143

Berven, B.A.
Tritium in tropospheric water vapor. 360196

Berville, A.
Mutagenesis-based research aimed at obtaining resistance to Helminthosporium maydis, straint T, in maize with Texas male sterile cytoplasm. 373706

Berzhatyj, V.I.
The investigation of boron oxide heat conductivity. 360019
Some results of post-reactor investigations of the six-element thermionic assembly after 2670 hours of operation. 360578

Berzin, A.K.
Investigation of space-time distribution of slow photo-neutrons by the reservoir model. 367354

Berzin', Ya.Ya.
High spin levels of sup(144)Nd excited in the (α,2n) reaction. 359457

Berzins, J.
Some states in ^{175}Lu and ^{176}Lu excited in reactions with deuterons. (ZfK – 336) 364743

Bes, D.R.
Isovector pairing vibrations. 372583
The renormalization of single-particle states in nuclear field theory. 372582
Role of the Pauli principle in the spectrum of ^{211}Pb. 372731

Besant, C.B.
Detection efficiency and range measurements of alphas and protons in cellulose nitrate. 360059

Beschastnov, S.P.
Heat transfer on natural convection from a horizontal cylinder to CO_2 under supercritical pressure in conditions of cooling. (INIS-mf – 3957) 363104

Besedina, L.N.
Perculiarities of the toxicity and radioprotective activity of aminopropyl aminoethyl thiophosphate. 379045

Besedina, T.V.
Boroaluminizing of titanium alloys and high-alloy steels. (INIS-mf – 4046) 369862

Besednov, G.Yu.
Device for slow switching in and off the high-voltage power supply. 376681

Besednyj, V.A.
Resistance-reaction soldering of titanium alloy VT6S. 375756

Besenbruch, G.E.A.
Procedure for coating articles with pyrolytic carbon. (German (F.R.) patent document 2617244/A/) 351850

Beshai, S.
Gamma-gamma angular correlation studies in ^{97}Tc. 351333
On the decay of ^{123}Sn. (USIP – 77-22) 354151
A unified model calculation of states in odd-mass technetium isotopes. 364648

Beshers, D.N.
Internal friction of metal spheres showing the effect of the anisotropy of the component metals. 365168

Beshtoev, Kh.M.
Energy and charge composition of nuclear active component of extensive air shower with $N = 10^4$-10^5. 362599

Besin, G.I.
Factors controlling the recirculation of the stem cells. Communication 2. Influence of adrenocorticotropin on the migration of haemopoietic stem cells from the shielded part of the bone marrow in irradiated mice. 349734

Beskin, L.I.
State and prospects of domestic radioisotope instrument-making in the field of control and measurement of concretes and soils density. 349947

Beslu, P.
Prediction of primary circuit contamination in power reactors. 370952

Besmann, T.M.
Chemical thermodynamics of the system Cs – U – Zr – H – I – O in the LWR fuel-clad gap. (ORNL/TM – 6130) 379622

Besnus, M.J.
Magnetic and ^{57}Fe Moessbauer study of Y(Fesub(1-c) Alsub(c))$_2$ alloys: local environment effects. 368740

Besocke, K.
The adsorption kinetics of oxygen on a tungsten polyhedral single crystal. 369907
Dipole moments associated with edge atoms; a comparative study on stepped Pt, Au and W surfaces. 362374

Bespalov, D.F.
Pulse neutron logging technique. (Soviet patent document 483643/A/) 354641
Vacuum ion accelerating tube for a well-type neutron generator with 10^{10}n/s. 349616

Bespalova, T.V.
Delay time units in the CAMAC standard. (JINR – 9-9041) 350055

Besse, G.
Programme and status of the development of the fast breeder reactor system in France. 365993

Bessell, M.S.
Spectra of southern white dwarfs. 359187
Stroemgren photometry of southern white dwarfs. 372125
Subdwarfs or cool DA white dwarfs. 359188

Bessesen, A.
Metabolism of ^{14}C-antipyrine in suspensions of isolated rat liver cells. 354828

Besset, D.
A complete experiment for p-p scattering at medium energies. 372584
Measurement of the parameters P, D, R and A for small angle p-p scattering at 390 MeV. 377785

Bessho, Yasunori
Acoustic emission in subcooled nucleate pool boiling. 360777

Besson, J.
Comparative study of the oxidation with water vapor of pure titanium and of Ti – 6Al – 4V. 362305

Besson, J.P.
Influence of the stress applied to an 18-10 stainless steel on its repassivation ability in 3% NaCl solution at 80°C. 354547

Besson, M.
Carbon transfer between 2 1/4 Cr 1 Mo alloy and austenitic steels (experiments in anisothermal loops). (CONF-760503 – P2) 352718

Bessonov, N.N.
Capacity of double electric layer of antimony and its alloys with lanthanum in molten halogenides. (INIS-mf – 4189) 375593

Bessonov, V.A.
Sputtering of thin layers of triuranium octoxide under the action of fission fragments for small radiation doses. 358861

Bessonova, T.S.
Associates model and concentrational decoloration of induced colour in ruby. (KFTI – 74-47) 355955
Colour centres in doped corundum crystals. (KFTI – 74-47) 355954

Bessubov, V.A.
J/psi production off Be, Cu and W by 43 GeV/c negative pions. 369344

Best, C.
Evidence for a narrow width boson of mass 2.95 GeV. 372519
Inclusive anti K^{*0} (890) production in π^-p interactions at 16 GeV/c. 356507
Observation of the reactions $\pi^-p \rightarrow$ anti pd at 10 and 16 GeV/c. 372520
Production of phi and f' in 10 GeV/c K^-p interactions. 353959

Best, H.
Device for manipulating inspection equipment within a pressure vessel. (German (F.R.) patent document 2547472/A/) 365765
Rotation-symmetrical container with insulating cover. (German (F.R.) patent document 2544054/A/) 355261

Best, J.K.
A technique for measuring the accumulation of $^{99}Tcsup(m)$ stannous-ethane-1-hydroxy-1, 1-diphosphonate in the canine tibia. 365437

Bestenreiner, G.
Attachment system for nuclear reactor fuel elements or the like. (German (F.R.) patent document 2520234/A/) 355329
Attachment system for nuclear reactor fuel rods and the like. (German (F.R.) patent document 2520233/A/) 355328
Fuel element fabrication and quality control. 376557

Bestman, A.R.
Refraction of hydromagnetic shocks. 366504

Besuner, P.M.
Improved evaluation of nozzle corner cracking. Final report. (EPRI-NP – 339) 360886

Beswick, J.A.
Electronic nonadiabatic transitions in the reactive ($Ar^+ + H_2$, $Ar + H_2^+$, $ArH^+ + H$) system. Numerical results for the collinear configuration. 353182
Betak, E.
Pre-equilibrium decay with light ion emission. 354152
Betancourt, O.L.
Magnetohydrodynamic equilibria of a non-circular cross-section stellarator. 348967
Betekhin, V.I.
Plasmon energy and interatomic interaction. 361419
Betenekov, N.D.
Phase composition and photoelectric properties of chemically precipitated CdS films. 349308
Bethe, H.A.
The debate on nuclear power. 370532
Bethge, K.
Angular correlations from ^{6}Li break-up near the Coulomb barrier of ^{118}Sn and ^{208}Pb. 354259
Collisional configuration rearrangement in fast Ne projectiles. (INIS-mf – 3996) 364111
The contribution of one- and two-step process to non characteristic radiation in solid target. (INIS-mf – 3996) 364110
Experimental determination of the production mechanism for noncharacteristic radiation in swift heavy-ion collisions. 374636
Nuclear reactions of 24 MeV ^{7}Li on ^{10}B. 356803
Bethune, D.
Second-order sum- and difference-frequency generation via quadrupole transitions in atomic vapors. (LBL – 6918) 366324
Betsa, V.V.
Effect of electron state of a surface on repolarization processes in SbSI ferroelectric-semiconductor. 355956
Betsch, R.J.
Polarized Raman spectra of the metallic hexaborides LaB_6 and SmB_6. 357349
Betsofen, S.Ya.
Texture of welded joints of commercial titanum alloys. 378579
Bettankur, Zh. de
High-spin energy states of ^{233}U. 377973
Bettelheim, A.
Pulse radiolysis studies of electron transfer reaction in molecules of biological interest. Pt. 3. The reduction of Cu(II) complexes of histidine and histidyl peptides. (IA – 1338) 365345
Bettella, F.
Thermodynamic properties of actinide complexes. Part 5: Uranyl(VI)-thioglycolate system; thorium(IV)-glycolate and -thioglycolate systems. 375419
Bettis, E.S.
Design features of the ELMO Bumpy Torus Reactor (EBTR). (CONF-771109 – 65) 377560
Betts, R.R.
Alpha transfer to 4p-4h states in ^{40}Ca. 372708
Evidence for the excitation of giant resonances in heavy-ion inelastic scattering. 372709
Location of 0^+ 4p-2h and 6p-4h configurations in ^{42}Ca. 372753
Pair excitations in the even W-isotopes. 354243
Betuganov, M.A.
Some problems of recoil-atom implantation theory. (INIS-mf – 3996) 364050
Betz, A.L.
Spatial heterodyne interferometry of VY Canis Majoris, alpha Orionis, alpha Scorpii, and R Leonis at 11 microns. (N – 77-27049) 377655
Betz, H.-D.
Radiative electron capture and momentum distributions of target electrons. 353361
Betz, W.
Inner shell ionization in the Pb-Pb quasimolecule. 377120
Ionization, X-rays and positron production in Pb-Pb and U-U collisions. 353192, 376973
K-X-ray spectrum of the Pb + Pb quasimolecules. 377905
Beuermann, G.
Tunneling density of states of the Kondo superconductor (Lasub(1-x)Cesub(x))Al_2. 374995
Tunneling measurements on (Lasub(1-x)Cesub(x))Al_2 single crystals with wax barriers. 374996
Beuge, P.
Integrated geochemical exploration for deep-seated solid and gaseous mineral resources. 373420
Prospecting and exploration of gas deposits by means of inorganic volatile elements and isotopes. 373419
Beuhler, R.J.
Model of secondary electron yields from atomic and polyatomic ion impacts on copper and tungsten surfaces based upon stopping-power calculations. 350571
Beukema, F.
Radioactive waste, ch. 4. (INIS-mf – 4221) 379568
Beukes, P.J.L.
The influence of seasonal changes in the concentration of trace elements in liver tissue of various wild animals determined by instrumental neutron activation analysis. 369577
Beulshausen, C.
Functional scintigraphy after radiotherapy of the skeleton – an experimental investigation on animals and a clinical investigation. (INIS-mf – 4010) 357675
Beurton, G.
Determination of about thirty elements in aluminium and its alloys by means of neutron activation analysis. 375224
Experimental improvements of the sensitivity of neutron activation analysis for oxygen in metals. 364844
Beuscher, H.
High-spin states and isomers in light transitional nuclei around N = 80. (ZfK – 336) 369495
High-spin states in heavy transitional nuclei around Hg. (ZfK – 336) 369492
Beuselinck, R.
Total cross sections for charged-current neutrino and antineutrino interactions in BEBC in the energy range 20-200 GeV. 353945
Beutel, H.
Current status of experimental and theoretical work on sodium/fuel interaction (SFI) at Karlsruhe 'simulation experiments'. (PNC-N – 251-76-12(vol.1)) 349890
Transient deformation of LMFBR cores due to local failure: experimental and theoretical investigation. 374237
Bevaart, L.
Neutron scattering for two-dimensional systems, which show a tetracritical behaviour. (INIS-mf – 4267) 377164
Reorientation motions of the ammonium group in NH_4ZnF_3 studied with inelastic neutron scattering. (INIS-mf – 4267) 377290
Bevan, M.J.
In a radiation chimaera, host H-2 antigens determine immune responsiveness of donor cytotoxic cells. 351985
Bevelacqua, J.J.
Analysis of polarization and analyzing power in the reaction ^{3}H(p,n)^{3}He. 351267
Density dependent interactions and the consistency of folding estimates of nucleon-nucleus and nucleus-nucleus potentials. 362017
Bever, R.J. van
The effect of colestipol on digitoxin plasma levels. 376178
Beveridge, J.L.
Developments at TRIUMF. 363211
Beverly III, R.E.
Channel spreading and substrate vaporization in surface-spark discharges. 350806
Bevilacqua, F.
Applying improved instrumentation and computer control systems. 365832
C-E balances the benefits against the costs. 352646
Control of a nuclear reactor with absorber rods which can be inserted and withdrawn. (German (F.R.) patent document 2337716/C/) 355342
Fissionable mass storage device. (US patent document 4,044,267/A/) 374032
Guide structure for control elements. 358088
HI-CAP high-capacity fuel rack design. 352466
Hydraulic system for nuclear reactors with hydraulically driven control rods. 358096
Isolation valve and control system employing the same. 358089
Metallic pressure vessel for a nuclear reactor. (German (F.R.) patent document 2508656/C/) 350128
Nuclear reactor. (German (F.R.) patent document 2331355/C/) 355382
Shock buffer for nuclear control assembly. (US patent document 4,035,230/A/) 363410
System 80 NSSS combines proven and new features. 365876
Bevington, P.R.
CWRU multiwire proportional counter readout system. 368275
Bevis, M.
Mechanisms of deformation in cross-linked polyethylene crystals. 360056
Bevk, J.
Specific heat of Au-Cd α and zeta alloys in the range between 1.5 and 4.2 °K. 367230
Superconducting and mechanical properties of in situ formed multifilamentary Cu-Nb_3Sn composites. 373202
Bevz, A.S.
Investigation into chlorination of uranium oxides in melts of alkali metal chlorides. (INIS-mf – 4193) 375606
Bevza, Yu.G.
Resistance decrease of point contacts under SHF-radiation. (KFTI – 75-33) 353732
Bewley, D.K.
Measurement of total body calcium in bone disease. 369574
Beyer, C.E.
Consequences of postulated losses of LWR spent fuel and plutonium shipping packages at sea. (PNL – 2093) 379465
Evaluation of the consequences of LWR spent fuel and plutonium shipping package loss at sea. 350022
Release of indigenous gases from LWR fuel and the reaction kinetics with Zircaloy cladding. (BNWL – 1956) 358175
Beyer, E. Jr.
$^{14}C_2H_4$: distribution of ^{14}C-labeled tissue metabolites in pea seedlings. 349838
Beyer, G.-J.
Selective production of short-lived neutron deficient nuclei of yttrium, strontium and rubidium by the use of molybdenium or zirconium as on-line solid target materials. 379367
Beyer, G.J.
Selective production of short-lived neutron-deficient isotopes of yttrium, strontium and rubidium using molybdenum and zirconium as on-line solid-state targetmaterial. (ZfK – 332) 372949
Trace diffusion of different nuclear reaction products in polycrystalline tantalum. 355957
Tracer diffusion of several spallation reaction products in polycrystalline β-Zr and β-Ti. (ZfK – 328) 353404
Beyer, J.J.
FLASH6: a FORTRAN IV computer program for reactor plant

loss-of-coolant accident analysis (LWBR development program). (WAPD-TM – 1249(Add.1)) 363034
Beyer, L.M.
DENBIG and DARN. Codes for the reduction of digital pinex data. (LA – 6914-MS) 370726
Beyerlein, R.A.
Development of a directional gamma ray detector for in-core fuel motion monitoring. (CONF-771023 – 24) 379547
Beyers, M.
Food irradiation. (INIS-mf – 4203) 376169
Beyss, M.
Production and characterization of monocrystals of the cubic Laves phases Se-Al_2. (Juel – 1416) 354484
Beyssier, B.
Determination of about thirty elements in aluminium and its alloys by means of neutron activation analysis. 375224
Bezakova, L.
Josephson effects in long superconducting bridges with variable thickness. 359193
Bezbatchenko, V.A.
Investigation of energetic ion beams in the plasma focus discharge. (INIS-mf – 3963) 371841
Bezborodov, A.A.
Uranium in the Black Sea. 351955
Bezek, S.
Behaviour of ^{3}H-VUL 111 in rat organism. 373669
Labelling of Candida albicans and its behaviour in the organism. 373696
Bezgina, A.S.
Some aspects of butadiene polymerization on catalytic systems containing rare earths. (INIS-mf – 4195) 375555
Bezhanova, A.I.
Moving strations in a longitudinal magnetic field. 348909
Bezhenov, A.I.
Fatigue crack growth kinetics in steels, titanium and nickel alloys. 375860
Bezin, G.I.
Isolation and activity of splenic protein fraction stimulating the postirradiation recovery of bone marrow. 376096
Bezirganyan, P.A.
New scanning method for the visualization of X-ray topographic pictures. 352840
Bezler, P.
Dynamic response of a multielement HTGR core. (BNL – 23197) 363000
Higher order effects and their influence on the HTGR core. (BNL – 23196) 367747
OSCIL and OSCVERT: computer codes to evaluate the non-linear seismic response of an HTGR core. (BNL-NUREG – 22650) 357794
Proceedings of the workshop on structural analysis needs for magnetic fusion energy superconducting magnets: a technical assessment. (CONF-760984 –) 361614
Subharmonic excitation in an HTGR core. (BNL-NUREG – 22649) 357736
Bezlyudnyj, S.V.
Hall mobility in n-type germanium irradiated with fast electrons. 348767
Beznogich, Yu.D.
On increasing of the accelerated nuclear beam intensity in proton linear accelerators. (JINR – 9-9592) 357939
Beznogikh, Yu.D.
On increasing the intensity of the proton beam accelerated in the JINR synchrophasotron. (JINR-R – 9-9120) 355169
On the enhancing nuclear beam intensity in proton linear accelerators. (JINR – 9-9592) 357940
Beznosikov, B.V.
Double refraction and structural phase transitions in $ABCl_3$ type crystals. 356015
Weak ferromagnetism and magnetic structure of $TlMnCl_3$. 371596
Beznosyuk, S.A.
On the quantum-statistical calculation of metal energy. 369980
Bezotosnyj, V.M.
Cross-section of gamma-quantum production in inelastic interaction of 14 MeV neutrons with some light, intermediate and heavy nuclei. (INIS-mf – 3897) 356711
Bezpal'ko, R.M.
Effective potential of electron in a field of a many-electron atom. (INIS-mf – 3915) 348647
Bezrukov, B.A.
Primary principles of the ES-5012 magnetic storage device use in the SDS-1604A computer. (JINR – 11-9188) 352829
Bezrukov, E.K.
Analysis of effect of porous depositions on impurity concentrating in steam generating channels. 376318
Bezrukov, L.B.
Photonuclear cross-section and nuclear losses of muons. 362038
Bezryadin, N.A.
Application of molybdenum-rhenium MR47-VP alloy braces and suspenders for precise dynamometric and mass-measuring devices. 365183
Bezryadin, S.N.
Study on spatial and energy distributions of muons from extensive air shower by means of a magnetic spectrometer. 362615
Bezvoritnij, V.A.
Corrosion of nickel in potassium and sodium chloride melts containing vanadium trichloride. 369820
Bezzerides, B.
Magnetic field generation by resonance absorption of light. 364171
Bhadra, D.K.
Anomalous interaction of alpha particles with the dissipative trapped-ion mode. 348887
Bhaduri, R.K.
Hydrogen atom and hydrogen mulecular ion in homogeneous magnetic fields of arbitrary strength. 363871
Turning point in the Thomas-Fermi approximation. 351268
Bhagat, J.K.
Derivation of equations of motion of noncanonical operators from an action principle. 358633
Bhakta, R.N.
Radiation techniques for monitoring the deep drainage in irrigated wheat fields. 370271
Bhalla, K.B.
Charged particle multiplicity in 400 GeV/c p-nucleus interactions in nuclear emulsion. 372498
Bhalla, N.S.
Neutron activation analysis of tantalum in ores and concentrates using low-level isotopic neutron source. 375276
Uranium and thorium resources and development of techniques and equipment for their prospection. 365300
Bhandari, B.S.
Angular distribution of fission fragments following electroexcitation. (IFUSP-P – 94) 364709
Penetrability through a three humped barrier in quasi-classical approximation. 354046
Bhandari, N.S.
Fast neutron irradiation of aqueous solution of coumarin. 375685
Response of aqueous coumarin solution to high LET radiation from $^{10}B(n,\alpha)^{7}Li$ reaction. 365066
Bhandari, R.C.
Phonons in liquid rubidium. 371677
Bhandary, K.K.
Coordination polyhedra and structure of alloys: binary alloys of vanadium with group IIIB and IVB elements. 357248
Bhang, H.
Analyzing powers for the continuum portions of particle emission spectra. (RLO/1388 – 362) 372710
Bhanti, D.P.
Studies on in vivo calibration of a plutonium lung monitor. 371137
Bharati, S.
Isotope effect and correlation factor for the diffusion of cadmium in silver. 371565
Bhargava, B.N.
Sector polarity of IMF and annual variation in occurrence of quiet and disturbed intervals. 373454
Bhargava, R.K.
Substructures developed during creep and cyclic tests of type 304 stainless steel (heat 9T2796). (ORNL – 5293) 362465
Bhargava, V.K.
Experiences in the country-wide radiological protection surveys in India. 349913
Bhasin, V.S.
Models for (p,π) reactions. (BONN-HE – 77-22) 364747
Bhaskar, N.D.
Total electron scattering cross sections by excited sodium atoms. 358762
Bhat, I.S.
Feedback from environmental monitoring to the chemical control in nuclear power plants operations. 379215
Bhat, S.P.
Presence and synthesis of histone mRNA in rice embryos. 373641
Bhatavdekar, J.M.
Effect of low dose x-radiation on nucleic acids and protein content of guineapig, rat and mouse tissues. 373514
Bhatia, A.K.
Annihilation during positron-hydrogen collisions: Addendum and erratum. 363872
A distorted-wave methodology for electron-ion impact excitation: calculation for two-electron ions. 350572
Modification of the method of polarized orbitals for electron-alkali scattering: calculation of e-Li. 376974
Prediction and identification of some transitions associated with 2psup(k) and 2psup(k-1)3l configurations in six-, seven- and eight-electron ions. 355888
Bhatia, A.L.
Radioresponse of mouse esophageal mucosa to ^{32}P irradiation. 352033
Bhatia, D.P.
Random sampling technique for choosing scattering angles from arbitrary angular distributions in dosimetric and shielding computations. 361912
Bhatia, M.S.
Van de Graaff Laboratory progress report [1974]. (BARC – 897) 376354
Bhatia, P.K.
Hydromagnetic stability of a self-gravitating composite plasma in the presence of finite Larmor radius. 371936
Larmor radius effects on the gravitational instability of a two-component plasma. 366515
Bhatia, S.K.
Polarographic reduction of uranyl and thorium complexes of methyl-3-mercaptopropionate. 351559
Bhatia, T.S.
The mass and low-lying level structure of ^{17}C. 362083
Bhatia, V.S.
Relative abundances of low energy cosmic ray nuclei of z greater than or equal to 7 using plastic detectors. 366710

Bhatki, K.S.
Radiochemistry of bismuth. (NAS-NS – 3061) 365017
Bhatt, B.L.
Experimental and theoretical investigation into thermally governed transient flow surges in two-phase condensing flow. 370716
Bhatt, K.H.
Effective charges and E2 transitions in 1f-2p shell nuclei. 359387
Study of odd vanadium isotopes. 364677
Bhatt, R.
Electronic instabilities and the martensitic transition in A-15 compounds. 361758
Bhatt, R.C.
Graphite-mixed $CaSO_4$:Dy teflon TLD discs for beta dosimetry. 350328
Bhattacharjee, A.K.
Influence of the crystalline field on the Kondo effect: cerium and ytterbium impurities. 378596
Bhattacharya, D.K.
Optical and electron micrographic studies of two failed fillet-welded nozzle joints in a 316L stainless cylindrical tank. (RRC – 17) 376330
Bhattacharya, R.S.
Analysis of Si thin films prepared by ion beam sputtering. 368741
Bhattacharya, S.
Increase of the electrical resistance of thin aluminium film due to 14 MeV neutron irradiation. 370122
Bhattacharyya, D.K.
Theoretical radiative lifetime of the metastable c³Pi/sub u/ state of H_2. 368612
Bhattacharyya, J.C.
Saturn-like system around Uranus. 364282
Bhattacharyya, Manoranjan
Polymorphism in rare earth phosphates. 366396
Bhattacharyya, P.
Decay of the 46.6 s sup(75)Gesup(m). 362039
Stability of superflow in ³He-A. 369241
Bhattacharyya, P.K.
Flash photolytic investigations on the reaction of transient Cl_2^- with U(IV) in aqueous 0.5N HCl solution. 357084
Bhattacharyya, S.
Lepton-hadron relation and large-psub(T) πsub(deg) production in nucleon-nucleon and meson-nucleon collisions. 354153
Bhattacharyya, S.K.
Experimental studies of GCFR safety physics parameters in the ZPR-9 critical assemblies. (CONF-761001 – P2) 362867
A hybrid static/dynamic heating technique for the measurement of nuclear Doppler effects. 374384
Bhattacharyya, S.N.
Gamma radiolysis of aqueous solutions of α-cobalt(III) nitrilotriacetate. 365038
Bhattacharyya, S.S.
Rotational transitions in collisions between molecular ions: First-order calculations for HD^+-HD^+. 350573
Bhattacherjee, S.K.
Nuclear spectroscopy of high spin states in medium and heavy weight nuclei. 372711
Bhattamisra, S.D.
Effect of γ-irradiation on the thermal decomposition of barium bromate. 369776
Thermal decomposition of gamma-irradiated barium bromate. 349342
Bhatti, R.A.
Derivation of finite medium age-diffusion kernels in source-sink theory. 355246
Bhaumik, D.
The coherent state approach to the Vlasov equation. 366545
Bhavalkar, R.H.
Estimation of cerium and lanthanum content in core material of high intensity carbon arc electrodes by x-ray fluorescence method. 375319
Bhimasankaram, V.L.S.
Variation of uranium, thorium and potassium contents in the granitic rocks of Hyderabad, Andhra Pradesh; a preliminary study. 367382
Bhise, V.S.
Experimental vapor pressure and critical point of sodium. (CONF-760503 – P2) 352722
Bhobe, R.A.
A study of vanadyl(VI) complex of fluorescein – Part V. 367069
Bhola, G.C.
Some criteria for evaluation of performance of whole body counting systems. 371122
Bhoumik, B.
Charged particle multiplicity in 400 GeV/c p-nucleus interactions in nuclear emulsion. 372498
Bhowmik, R.K.
Activation and angular distribution measurements of $^7Li(p,n)^7Be$ (0.0+0.429 MeV) for Esub(p)≈25-45 MeV: a technique for absolute neutron yield determination. 367003
Bhuiyan, L.B.
Partial structure factors of an ionic model of liquid UO_2. 350574
Bhutra, M.P.
Infrared absorption spectra of samarium mono-, di-, and tri-glycolates. 374643
Biagi, L.A.
Long-life cathode for the Berkeley-type ion source. (UCRL – 79705) 371844
Update on the development of 120-keV multi-megawatt neutral beam source. (LBL – 5900) 365745
Biagi, S.F.
E2 nuclear resonance effects in pionic and kaonic atoms. (RL – 77-101/A) 356493
Biaglow, J.E.
The reaction of hypoxic cell radiosensitizing drugs with vitamin C. 360281
Bialas-Zabawa, A.
Wave functions, Slater integrals Ksup(k) and zeta parameter for Pr^{3+}. 363869
Bialas, A.
Diffractive production off nuclei-shadow of hadronic bremsstrahlung. 353766
Bialas, E.L.
A simple magnifier-rotator for enhanced visualization of nuclear medicine images. 361069
Bialek, J.
Pure tension shape of a thick torus. (PPPL – 1353) 361649
Biallas, G.
Super magnets for interaction regions. (ANL-HEP-PR – 77-72) 370737
Bialy, J.
Vector analysing power in d-p and d-d elastic scattering at 52 MeV. 354145
Bialynicka Birula, Z.
Nonperturbative calculation of the Bloch-Siegert shift. 355727
Bialynicki-Birula, I.
Classical limit of quantum electrodynamics. 355728
Nonperturbative calculation of the Bloch-Siegert shift. 355727
Biancastelli, R.
An upper limit for the radiative decay width of the J/psi resonance into eta'(958)+γ. 369353
Biancheria, A.
Analytical comparison of the irradiation behavior of fast reactor carbide and oxide fuel pins. 379796
LIFE code system for analysis of oxide fuel pin thermal/structural behavior. 379810
US experience in irradiation testing of advanced oxide fuels. 379748
Void swelling and irradiation creep relationships. 360062
Bianchi, M.
Determination of Relative Biological Efficacy (RBE) and Oxygen Enhancement Ratio (OER) for the entire negative and positive pion beam profile using Vicia faba roots and Drosophila embryos as biological model systems. (LA-tr – 77-75) 378994
Effect of pions on germ cells and occurrence of mutations. (LA-tr – 77-67) 379006
Effects of negative pions and neutrons on the growth of Vicia faba bean roots. 373505
Bianchini, F.G.
Determination of spins and radioactive widths of tellurium nuclear levels with capturre gamma rays. (INIS-mf – 4167) 369465
Biasi, R.S. de
Electronic paramagnetic resonance of the Fe^{3+} in orthorhombic symmetric centers in the MgO. 365137
Kinetic study of ferromagnesite precipitation in MgO by magnetic resonance. 363961
Spin states in cubic symmetry: spin 5/2. 363960
Bibby, D.M.
Natural diamonds. 375260
Bibic, N.
Sputtering and the cones formation of Cu based alloys. 368742
Bibikov, S.E.
Decladding of BOR-60 and BR-5 fuel elements by clad melting. (NIIAR-P – 17(283)) 359840
Thermal decladding of BOR-60 fuel elements. (IAEA-AG – 63-16) 363489
Thermal opening of irradiated uranium oxide fuel elements of BR-5 reactor with fuel separation by solution. 375747
Bibilashvili, J.K.
Investigation of the performance of uranium-plutonium mixed oxide fuel pins for the reactor BN-600. 355463
Bibilashvili, Yu.K.
Experimental results with carbide fuel rods in the BOR-60 reactor. (KFK-tr – 536) 355481
In-reactor measurements of the uranium dioxide Young modulus. 349582
Model of radiation creep of ceramic materials fuel. 378806
Bibler, N.E.
Radiolytic gas production from tritiated waste forms. (DP – 1459) 363656
Radiolytic instability of ferrous sulfamate in nuclear process solutions. 362319
Response of the Asiatic clam, Corbicula manilensis, to gamma radiation. (DP-MS – 77-70) 373551
Bibr, B.
Investigation on the reaction of molybdenum with collagen in vivo. 356931
Bicak, J.
Stationary interacting fields around an extreme Reissner-Nordstroem black hole. 371343
Bice, D.E.
Techniques for determining turnover and cell type distribution in normal Chinese hamster lung. (LF – 56) 362726
Bicek, J.J. Jr.
Ultra-short pulses of heavy ions. 360713
Bichkova, A.D.
D-T high vacuum pumping in fusion reactors. 368918
Bichsel, H.
Measurement of photon dose fraction in a neutron radiotherapy beam. 352353

Status report: direct track detector dosimetry in fast neutron beams. 367828
Bichuya, A.L.
Hydrogen penetration through chromium-nickel alloys from nitrogen-hydrogen mixtures. 375841
Investigation into durability of EhP-199 alloy and its weldments in ammonia dissociation products. 375729
Investigation into thermochemical fatigue of the heat resisting VM-1 and VKh-4 alloys by the ac electric conductivity method in hydrogen atmosphere. 375876
Bickart, P.
An epistemological note on chirality. 371416
Bickford, D.F.
Reproducible fabrication of PuO_2 fuel. 362507
Bida, G.V.
Magnetic testing of the mechanical properties of heavy-plate rolled stock of 20K and 09G2 steels. 375755
Biddick, C.J.
Search for narrow resonant states in e^+e^- collisions near 6 GeV. 351208
Bidelman, W.P.
Spectral classification from Copernicus data. 369031
Biderman, R.
Effect of rod bowing on CHF in PWR fuel assemblies. 370927
Bidoglio, G.
Post irradiation examination of the fuel discharged from the Trino Vercellese reactor after the 2nd irradiation cycle. (EUR – 5605) 360838
Bie, E. de
Method to separate bivalent Ni, Co, Cu, Mn, Zn, Pb, Ca and/or Mg from higher-valent cations of Fe, Cr, Al, As, Ti, Sb, Sn, Mo, W, Ta, and/or Nb from chloride solutions. (German (F.R.) patent document 1963198/C/) 378115
Bie, R.P.M. de
Measurements of the inelastic rotational collision cross-section of CsF on several atoms and molecules. (INIS-mf – 3940) 348688
Bieber, D.
Control element drive working by the roller nut principle, for the BBR PWR reactor. 370847
Biebl, K.J.
The effect of resonance production on angular correlations. 353935
Biedenharn, L.C.
Structural properties of the self-conjugate SU(3) tensor operators. 350527
Biedermann, B.
Reaction- and desorption kinetics of strontium and chlorine on a tungsten surface. 369908
Biedermann, P.
Recent working results of the programme 'diffusion data and fission product release'. (Juel – 1421) 355413
Bieger, W.
High-current plasma accelerator for the investigation of plasma wall interaction. 350899
The permissible amount of plasma-wall interaction in a fusion plasma. 368919
Bielausow, O.
Radiation measuring instruments. (INIS-mf – 4018) 374297
Bielawiec, M.
Distribution of K^{42} between erythrocytes and plasma related to fibrinolytic activity. 373604
Bieler, E.
^{123}I, ^{131}I and sup(99m)Tc-pertechnetate for the evaluation of thyroid function. (INIS-mf – 4010) 370432
Hypophyseal function in patients with intracranial processes: results of an integral nuclear medicine diagnostic procedure. (INIS-mf – 4010) 370462
Bielle-Daspet, D.
Effective carrier lifetime in polycrystalline silicon of large grain size. 370136
Bielski, B.H.J.
Radiation chemistry of aqueous cyanide ion. 365039
Bielski, W.
Determination of diffusion profiles by autoradiography and their quantitative interpretation. 374795
Biemont, E.
f-Values and abundances of the elements in the sun and stars. 366667
Oscillator strengths for some Mn II lines and the solar Mn abundance. 366727
Biemueller, K.
The reaction behaviour of the heavy platinum metals Os, Ir and Pt with high-melting carbides. (KFK-EXT – 6/77-1) 351829
Bienfait, M.
Study of the mobility of a two-dimensional fluid by neutron quasi elastic scattering. 368758
Bieniosek, F.M.
Space potential measurements on EBT. (INIS-mf – 3963) 377425
Bieniussa, K.
Concepts on high temperature design analysis for SNR 300. (IWGFR – 11) 355454
SNR-300 plant behavior at complete failure of the afterheat removal system. 358306
Bienlein, J.K.
Charm search in 19 GeV/cπ^-p exclusive reactions. 375064
Experimental confirmation of the 1100 MeV structure and first observation of the leptonic decay of the rho' (1250). (DESY – 77/59) 356491
Measurement of the photoproduction phases of the rho, ω, and phi mesons. (DESY – 77/56) 353934
Measurement of the real part of the virtual compton amplitude and of the invariant mass yield of the photoproduced e^+e^- pairs in the mass range 1,500 < m < 2,000 MeV. (DESY – 77/60) 356492
Bier, W.
The physics of uranium-235-enrichment in the separation nozzle process. Pt. 4. 365648
Bierbaum, V.M.
Hydrogen-deuterium exchange reactions of carbanions with D_2O in the gas phase. 378410
Biereichel, P.
Computer network with CAMAC process periphery for on-line data acquisition. 368488
Bieri, J.M.
Experience with the helium afterglow impurities monitor at the Ft. St. Vrain Nuclear Power Station. (LA-UR – 77-1977) 363469
Bierman, S.R.
Effective neutron isolation thickness values obtained from reflector savings data. 360686
Biermann, W.
Introducing experimental evidence in the critical aspects of SNR fuel design. 368218
Biernacka, M.
Environmental studies of the earth gamma radiation background at one of the planned sites of the first Polish nuclear power station. 354658
Biersack, H.-J.
Investigations on the renal transit time of ^{131}I-hippuran. (INIS-mf – 4010) 357692
Biersack, H.J.
Experimantal determination of kidney perfusion in dogs, using sup(99m)Tc-pertechnetate. (INIS-mf – 4010) 357672
New radiopharmaceuticals for adrenal scanning: radioiodine labelled tyramine derivates of heart glycosides and the respective aglycons. 354971
Quantitative assessment using gamma camera and computer of thyroid scintigraphs for the diagnosis of autonomous adenomas. (INIS-mf – 4010) 370456
Results of functional scintigraphy of liver and biliary tract with sup(99m)Tc-labelled IDA-derivates. (INIS-mf – 4010) 370457
Thyroid hormones and TRH-test during pregnancy. (INIS-mf – 4010) 370458
Biersack, J.P.
Determination of low dose concentration profiles in solids by means of (n, p) and (n, α) reactions. 364899
Biery, D.N.
Scintigraphic detection of acute gastrointestinal bleeding. 357631
Biery, J.C.
Multicomponent impurity detection with a sodium plugging indicator. (CONF-760503 – P2) 352772
Bieser, F.S.
Thin window Si(Li) detectors for the ISEE-C Telescope. (LBL – 6434) 379960
Bieszk, J.A.
Studies of the odd-A germanium isotopes with the Ge (d,t) and Ge (d,p) reactions. 372712
Bievelez, P.
Preparation, quality control and absorbed-dose estimates of ^{123}I as sodium iodide. (INIS-mf – 4010) 357085
Bigazzi, G.
Comparison between radiometric and fission track ages of micas. 365254
Bigeleisen, J.
Calculation of the mean force constants of the rare gases and the rectilinear law of mean force. (COO – 3498-32) 362191, 369658
Fundamental studies in isotope chemistry. Progress report, 1 July 1976 – 30 Jun 1977. (COO – 3498-33) 372950
Liquid – vapor isotope fractionation factors in argon – krypton binary mixtures. 369659
Liquid-vapor isotope fractionation factors in argon – krypton binary mixtures. (COO – 3498-31) 362192
New advances in isotope separation. (COO – 3498-30) 379361
Quantum mechanical foundations of isotope chemistry. 351470
Bigelow, J.
Californium-252 fission spectrum irradiation facility for neutron reaction rate measurements. (BNL-NCS – 22500) 356775
Bigelow, J.E.
Transuranium Processing Plant semiannual report of production, status, and plans for period ending December 31, 1976. (ORNL – 5305) 365656
Biggerstaff, J.A.
Electron capture to K vacancies in chlorine ions (approximately 1.5MeV/amu); relation to emergent charge states. 358735
Bigham, C.B.
Modelling of the Chalk River superconducting heavy-ion cyclotron rf structure. 363158
Status of the Chalk River superconducting heavy-ion cyclotron. 363309
Bigi, A.
A method to study the antiproton-proton annihilation at rest. 364476
Observation of interference correlations between like pions in the reaction proton antiproton→2πsup(+) 2πsup(-)πdeg at low energy. 356382
A thermodynamical analysis of the charged-pion momentum spectra from the annihilation proton-antiproton→ πsup(+-)Ksub(s)sup(deg)Xsup(+-) at low energy. 353755
Bigler, R.E.
Distribution of oxygen-15 in the dog at the steady-state. 352074
Estimation of skeletal calcium in humans by exhaled ^{37}Ar measurement-evaluation of the fast neutron dose requirement.

352154
Bignami, G.F.
Inverse compton revisited: galactic far infrared and optical photon fields, high energy electrons and medium energy gamma rays. 353666
New high energy γ-ray sources observed by COS B. 351024
Bigvava, A.D.
Investigation of GeTe homegeneity region. 367070
Bihoreau, B.
Muon capture in ^{16}O. (LYCEN – 7702(pt.1)) 369478
Bikchantaev, I.G.
Electron spin resonance of vanadyl acetylacetonate in oriented polyvinyl chloride. 362202
Bikkulov, R.I.
Chromosomal aberration rate in germ cells of mice chronically irradiated with gamma rays at small doses. 362658
Bila, E.
Separation radioiodine by static and dynamic isotopic exchange with immobile organic phase. (INIS-mf – 3849) 378149
Bilaniuk, O.M.
^{34}Cl via the $^{32}S(^3He,p)$ reaction. 351334
Bilanyuk, O.
Study on ^{34}Cl states excited in the $^{32}S(^3He, p)^{34}Cl$ reaction. 377974
Bilde-Soerensen, J.B.
Dissociated structure of dislocation loops with Burgers vector a<100> in electron-irradiated Cu-Ni. 349584
Bilecka, A.
Influence of hydroxyurea on nucleic acids content and ^3H-uridine incorporation in callus and tumorous tobacco tissues cultured in vitro. 367614
Bilek, V.
Some technical problems of the safety of PWR nuclear power plants. 370907
Bilen'kij, B.F.
Crystal structure and properties of tin telluride-lead selenide layers. 361443
Bilen'kij, S.M.
Quark-lepton analogy and neutrino oscillations. (JINR-D – 2-9788) 375018
Bilenko, D.I.
Study on vanadium dioxide properties in millimeter wavelength region at metal-semiconductor phase transition. 350711
Bilenko, N.S.
Cadmium complexes with 1.10 – phenanthroline and xanthene dyes. 378173
Bilenky, S.M.
Again on neutrino oscillations. (JINR-E – 2-9830) 377707
Lepton mixing and the 'solar neutrino puzzle'. 351140
On the parity violation effects in deep inelastic leptonhadron scattering. (JINR-E – 2-10809) 369267
Bilius, K.
Influence of ion implantation into the source of evaporation or growing structure on the properties of vacuum deposited thin films. 368868
Bill, A.
The uptake of IgG and IgM coated sheep erythrocytes in perfused rabbit liver. 376154
Billen, G.
Nuclear program and site selection. 379216
Billeter, T.R.
Microprocessor: controlled extensometer for fuel cladding strain measurements. (HEDL-SA – 1266) 379545
Billiau, F.
Primary trapping and solvated electron yields. 357157
Billing, G.D.
Comparison of quantum mechanical and semiclassical cross sections for rotational excitation of hydrogen. 353193
Billing, M.
Some aspects of the vacuum system for the proposed storage ring CESR. 363159
Billinge, R.
Design concept for a 100 GeV e^+-e^- storage ring. 363161
e-p facility in the CERN SPS. 363160
Billings, D.E.
Dynamical implications of Si IV line profiles from OSO-8 observations. 372126
Billings, M.P.
Shielding design features of the floating nuclear plant. 368130
Billington, D.
Comparative analysis of a hypothetical loss of flow accident in a LMFBR using different computer models for a common benchmark problem. 371051
Billoir, P.
Channel cross sections of K^-p reactions from 1.934 to 2.516GeV/c. (LPC – 77-01) 369354
Billone, M.C.
LIFE code system for analysis of oxide fuel pin thermal/structural behavior. 379810
Progress in modeling carbide and nitride fuel performance in advanced LMFBRs. 379733
Billy, L. de
Boson spin tests from sequential decays: spin-parity analysis of the F_1 meson. 377814
Bilpuch, E.G.
High-resolution proton scattering from ^{54}Fe. 354185
Bilsby, C.F.
A calculation of the effect of supercharging on hydrogen and hydride distribution in a thermal gradient in Zircaloy. 369909
The characterisation of graphite powders tested for use in HTR fuel compact matrices. (TRG-Report – 2986(S)) 354537
Biltz, C.
A precision isotope ratio mass spectrometer for the analysis of $^6Li/^7Li$. 355609
Binder, W.
'Super Stuff' as bolus in radiotherapy. 365662
Computer tomography in therapy planning. 376255
Host mediated assay mutagenicity test of irradiated standard food pellets and their extracts using Salmonella typhimurium G46 and TA1530. (SGAE – 2773) 374388
Bindi, R.
Transport equation treatment of transmitted electrons through thin films of aluminium. 350773
Bindon, G.
How Canada's and India's nuclear roles have been sadly misrepresented. 358592
Binenko, V.I.
On comparability of measured and calculated solar radiation fluxes and influxes in the atmosphere. 349672
Binette, M.L.
Synthesis of surface-active phospholipids by a cell culture of a combined cell carcinoma of the lung from a beagle dog. (LF – 56) 362845
Bingham, C.R.
Levels in ^{164}Yb from ^{164}Lu decay. 351373
Bingham, G.E.
Design criteria for the new waste calcining facility at the Idaho Chemical Processing Plant. 358465
Bingham, H.G.
Spins in ^{19}O from $^{13}C(^7Li, p)^{19}O$. 372751
Bingham, H.H.
Observation of μe events in antiν and ν interactions in the Fermilab 15' neon-H bubble chamber. (LBL – 6728) 364559
Bingham, W.G.
Use of engineering design models to aid construction of nuclear power plants. 358155
Will nuclear power plant standardization reduce the licensing impact on construction. 358565
Bingle, J.D.
Heat removal from molten fuel pools. (CONF-761001 – P4) 362856
Interactions of LMFBR core debris with concrete. (CONF-761001 – P4) 362857
Bini, M.
Influence of intrinsic nucleon motion on energy spectra and angular distributions for ^{16}O-induced reactions at 20 MeV/A. 356769
Particle-particle angular correlations in peripheral heavy-ion reactions. 362065
Binney, J.
Dynamical friction is aspherical clusters. 359053
Physics of dissipational galaxy formation. 350983
Radiative regulation of gas flow within clusters of galaxies: A model for cluster X-ray sources. 359071
Binney, S.E.
Technique for rapid analysis of uranium in porcelain dentures. 359545
Binogradov, P.S.
Study on vibrational-translational relaxation in ion-molecule collisions. (INIS-mf – 3915) 348648
Binst, P. van
A study of the reactions $K^-d \rightarrow K^-d$ and $K^-d \rightarrow K^-n(psub(s))$ at 4.5 GeV/c. 353954
Binswanger, R.O.
Bedside determination of extravascular lung water (ELW) using ^{123}I-antipyrine. (INIS-mf – 4010) 370433
Bintinger, D.
Measurement of phi production in proton-nucleus collisions at 400 GeV/c. 366877
New limits on $D^0(1.865)$ production in proton-nucleus collisions at 400 GeV/c. 361882
Binyashevskij, Eh.V.
Effect of interferon on the unspecific radioresistance of white mice to x-rays. 354768
Biraben, F.
Relaxation of sodium atoms in the 4D level by collision with noble gases: preliminary result. 353194, 376975
Birardar, N.S.
Dioxouranium(VI) complexes with Schiff bases. 354319
Birattari, C.
Model magnet for the proposed superconducting cyclotron at the University of Milan. 363126
Birbrair, B.L.
Nuclear moments of inertia in the absence of pairing. 377865
Bircanin, Lj.
Hot laboratory of the Boris Kidric Institute of Nuclear Sciences. 360664
Birch, W.
Thermal insulation. (UK patent document 1491204/A/) 368203
Birchall, J.
Scattering of protons from argon and hydrogen at 1 MeV. 366965
Bircz, R.
Spectrochemical analysis of rock samples. (IA – 1338) 364845
Spectrochemical determination of Sn in animal tissues. (IA – 1338) 364846
Bird, W.L.
Electromagnetic torques and forces due to misalignment effects and eddy currents in the homopolar generator, power supply for the Texas Experimental Tokamak (TEXT). (CONF-771029 – 118) 377393
System engineering and design of a pulsed homopolar generator power supply for the Texas Experimental Tokamak. (CONF-

771029 – 114) 377350
Birely, J.H.
Application of high power lasers to problems in the nuclear fuel cycle. 378218
Birgeneau, R.J.
Critical scattering near the percolation threshold in Mn/sub c/Zn/sub 1-c/F_2. 367312
Field-dependent magnetic phase transitions in mixed-valent TmSe. 367318
Spin dynamics in the mixed valence alloy Ce/sub 1ts-tsx/Th/sub x/. 359985
Birguel, O.
Activation analysis of Turkish and Canadian clays and Turkish pottery. 372837
Yields and isomer ratio in A = 134 chain for the spontaneous fission on ^{252}Cf. 375172
Birintsev, A.A.
Nuclear data for the calculation of neutron-induced secondary gamma-ray spectrum in soil. (INIS-mf – 4043) 362565
Birk, M.
Status report on Stanford's superconducting heavy ion linac project. 363347
Birkaya, L.L.
Investigation of the dissociation and ionization processes of the nitrogen oxides NO, N_2O and NO_2 in the ion source of a mass spectrometer. (KFK-tr – 533) 353324
Birkelund, J.R.
Dissipation, mass exchange and the microscopic time scale of heavy-ion collisions. 362102
Energy dissipation, mass diffusion and interaction times for heavy ion collisions. (COO – 3496-63) 364784
Interaction times for damped heavy-ion collisions. 359440
Birkhofer, A.
Analysis of LOCA in the Federal Republic of Germany. 370533
Birkhoff, G.
Accuracy required for plutonium accountancy in monitoring solid waste streams. (EUR – 5661) 376609
Monitoring of plutonium contaminated solid waste streams. (EUR – 5635) 374298
On the neutron multiplication problem in the passive neutron assay of plutonium bearing materials. (EUR – 5675) 359347
Birkhoff, R.D.
Electron slowing-down flux spectrum in Al_2O_3. 364636
Isotopic effects on the electronic properties of H_2O and D_2O in the vacuum uv. 351493
Rutherford revisited: Deflection of an electron in inverse first-, second-, and third-power central fields. 358659
Birkholz, W.
Further development of the instrument and technique for photometric evaluation of autoradiograms. 355613
Birkigt, W.
Assessment of the mechanical and thermal stability of Type A and Type B packagings in the GDR. 350004
Birkinshaw, K.
Ionisation of positive ions by electrons in the hollow-beam trap. 374620
Birkinshaw, M.
High-resolution radio maps of three H II regions in the Perseus arm. 372127
Birkle, A.J.
PWR steam generator inservice inspection. 365877
Birman, J.
Is uranium a possible alternative to meet the world's energy shortfall. 358543
Birmingham, T.J.
Computer simulation of the velocity diffusion of cosmic rays. (N – 77-26059) 369122
Electrostatic emissions between electron gyroharmonics in the outer magnetosphere. (N – 77-27648) 378921
Birnbaum, G.
Far-infrared absorption in H_2 and H_2-He mixtures. 369032
Birnbaum, H.K.
Hydrogen embrittlement of Nb. I. Macroscopic behavior at low temperatures. 357187
The isotope effect for the diffusion of hydrogen in niobium. 357303
Low temperature hydrogen embrittlement of niobium. II. Microscopic observations. 357278
Birney, K.R.
Absorber materials for fast reactor control applications. (HEDL-SA – 1177-FP) 363490
Biro, T.
Thermoluminescent beta dosimetry for routine personnel monitoring. 355504
Birrell, N.D.
Comparison of the unitary pole and Adhikari-Sloan expansions in the three-nucleon system. 359366
Three nucleon results for one boson exchange potential. (FIAS-R – 25) 356572
Birsa, R.
Reconstruction of the momentum of a particle moving in an axially symmetric magnetic field. 358344
Birsen, N.
Dependence of the gamma-ray linear attenuation coefficient on the amount of cement in concrete. 372569
Birulev, V.K.
Study on the matrix element in K degsub(L) → πsup(+-) + e sup(-+) + ν decays. 349090
Birx, D.
Microwave power gain utilizing superconducting resonant energy storage. 370717
Biryukov, I.P.
Dosemeter. (Soviet patent document 485396/A/) 376610
Biryukov, N.S.
Analysis of spectra of inelastic scattered neutrons with initial energy of 9,1 MeV in framework of the exciton model. (INIS-mf – 3897) 356573
Angular and energy distributions of inelastic scattered neutrons with initial energy of 9.1 MeV. (INIS-mf – 3897) 356712
Inelastic scattering of neutrons with initial energy of 9.1 MeV and the parameter of spin dependence. (INIS-mf – 3897) 356574
Biryukov, O.V.
The Uragan-2 experimental thermonuclear device of stellarator type. 350798
Biryukov, V.A.
Nature of halogen solutions in molten alkali metal halides. (INIS-mf – 4193) 375471
Biryulin, Yu.F.
Photoluminescence of $Bi_{12}SiO_{20}$ monocrystals doped with neodymium. 374672
Birzhevoj, G.A.
Neutron irradiation effect on the nature and thermal stability of radiation defects in ZrHsub(1,9) hydride. (FEI – 688) 373338
Birzvalk, Yu.A.
Some results of an experimental study on pressure velocity and flow density distributions in blanket model elements. (INIS-mf – 3954) 364172
Bisby, R.H.
Linear energy transfer (LET) effects in the radiation-induced inactivation of papain. 357135
Biscaye, P.
The flux of ^{226}Ra from estuarine and continental shelf sediments. 378896
Biscaye, P.E.
Suspended particulates and natural radionuclides as tracers of pollutant transports in Continental Shelf waters of the Eastern U.S.A. (TID – 22790) 379217
Transport and transfer rates in the waters of the continental shelf. Annual report. (COO – 2185-19) 372838
Bisch, H.
Sample changer for X-ray spectrometer. (German (F.R.) patent document 2544323/A/) 376707
Bischof, W.
Comparative survey of public participation in the nuclear licensing procedure in other European states. 352981
Bischoff, G.
The energy reserves of our planet. (AED-Conf – 77-193-003) 371217
Future value of fossil primary energy carriers in our energy economy. 366121
Vortex-line density fluctuations in turbulent superfluid helium. 359206
Bischoff, H.
Transport behaviour of alkali halogenides and uranyl salts in lower aliphatic alcohols. (AED-Conf – 77-389-002) 375647
Bischoff, K.-M.
Computer systems using microprocessors for extremely rapid scintillation cameras. (INIS-mf – 4010) 358410
Bisci, R.
Analogy of water as compared to sodium in cavitation. (IWGFR – 9) 352723
Cavitation problems in fast reactor fuel subassemblies. (IWGFR – 9) 350250
Bisello, D.
Description and performance of MEA, the magnetic detector at ADONE. 379480
Multihadron production e^+e^- annihilation at 1.6 c.m. energy. 364575
Bisgaard, P.
Time-delayed Li, Be, and B autoionization spectra excited in low-energy (200 keV) single gas collisions. 363874
Bishai, F.R.
Frequency of hepatitis B surface antibody (anti-HBs) in various Canadian populations as measured by modified solid-phase radioimmunoassay. 360391
Bishari, M.
The bare parameters of Gribov's Langrangian are understood and determined. (WIS-Ph – 77/55) 366825
A theoretical approach to low multiplicity diffractive dissociation. (WIS-Ph – 77/54) 366824
Bishop, B.L.
Sensitivity of primary knock-on atom spectra and displacement per atom cross sections to different secondary neutron energy and angular distributions and "in-group" weighting schemes. (ORNL/TM – 6108) 377839
Bishop, D.J.
Superfluid transition of ^{4}He films adsorbed on porous Vycor glass. 351105
Bishop, D.M.
Calculation of transition frequencies for H_2^+ and its isotopes to spectroscopic accuracy. 350575
The group-coordinate relaxation method for solving the generalized eigenvalue problem for large real-symmetric matrices. 371469
Bishop, G.B.
Experimental calibration of a collimated NaI detector using large diameter sources. 379862
Bishop, J.F.W.
Fast reactor fuel design and development. 368034
UK strategy and programmes for advanced LMFBR fuels. 379734
Bishop, J.N.
Alpha transfer to 4p-4h states in ^{40}Ca. 372708

Location of 0^+ 4p-2h and 6p-4h configurations in ^{42}Ca. 372753
Study of the $^{14}N(^7Li, p)^{20}F$ reaction. 372752
Bishop, R.F.
Low-energy He-He interactions with phenomenological potentials. 350576
Bishop, S.G.
Effects of implantant depth distribution on photoluminescence spectra in Be-implanted GaAs. 367325
Bishop, S.P.
Critical review of the efficacy of /sup 99m/TC pyrophosphate in detecting myocardial infarction in 103 patients. 362793
Efficacy of ^{201}thallium, /sup 99m/Tc phosphates, and /sup 99m/Tc MAA in localizing small myocardial infarctions in the pig. 362794
Bishop, W.P.
Goals and criteria for the management of nuclear wastes. Rethinking the problem. 368356
Bisi, V.
Strange particle production by antineutrinos. 356505
Biskamp, D.
Nonlinear properties of tearing modes in tokamaks. (INIS-mf – 3963) 371753
Bisnovatyi-Kogan, G.S.
Disk accretion onto a black hole at subcritical luminosity. 353667
Bisnovatyj-Kogan, G.S.
A hot corona around a black hole accretion disk and the Cyg X-1 model. 364283
Bisplinghoff, J.
Evaporation residue excitation functions for ^{35}Cl induced reactions of $^{112,120}Sn$ and ^{141}Pr. 354174
Statistical analysis of heavy-ion induced fission excitation functions. 364652
Bisschop, J.
Radial distribution functions of liquid Na and Cs. 373225
Bissinger, G.
Absolute C K x-ray production cross sections for 18 – 26-MeV protons on thin carbon foils. 350577
Bist, B.M.
Curious resistivity behaviour of vacuum evaporated Er, Dy and Gd films. 366462
Bist, B.M.S.
A new reduced variant in gadolinium and samarium monoxide thin films. 375920
Bist, H.D.
Electron paramagnetic resonance of Gd^{3+} in single crystals of some lanthanide trichloride hexahydrates. 351524
EPR of Gd^{3+} in $HoCl_3.6H_2O$ single crystal. 366438
Bister, M.
Lifetimes of the unbound 4_1^-, 5_1^+ and 3_2^+ states in ^{14}N. 372773
Bistrovic, M.
A model for lateral profiles of ^{60}Co beams. 375089
Biswas, A.B.
A neutron diffraction study of the spinel oxide $CuMn_2O_4$. 371667
Biswas, A.C.
Critical velocity in superfluid helium. 351106
Zero-point motion and superfluid helium. 366812
Biswas, D.R.
Mechanical properties of porous PNZT polycrystalline ceramics. (LBL – 6683) 373290
Bitar, K.M.
Classification of pseudoparticle solutions in gauge theories. 358634
Bitel, J.S.
ANSI Standard N18.17: industrial security for nuclear power plants. (EPRI-SR – 28) 352193
Bitin'sh, A.S.
Effect of titanium dioxide and cinstant magnetic field on dielectric parameters of ferrites of TiO_2-Fe_2O_3-CaO-V_2O_5 system. 365210
Bitny-Szlachto, S.
Effects of whole-body irradiation on dihydrofolate reductase activity of the mouse spleen. 379035
Bittencourt, V.C.
The behavior of P in tropical soils. (CENA-BC – 032) 357445, 360135
Bittencourt, V.S.
Evaluation of P availability from Fe and Al labelled (^{32}P) phosphates. (CENA-BC – 035) 354642
Bittenson, S.
Carbon isotope separation by multiphoton dissociation of CF_3I. 369598
Bitter, M.
Soft x-ray measurements on the PLT Tokamak. (PPPL – 1383) 366649
Bitting, R.A.
Seismic testing of Veritrack model 59 transmitters. (WCAP – 8965) 352194
Bittner, H.
Hydrides of La – Ni compounds. 351838
Bityugov, A.Y.
Purification of liquid radioactive wastes by means of sorbents on bitumens base. 350395
Bityurin, V.A.
On the effect of different losses on power MHD generator characteristics. 369239
Bivens, H.M.
Plans for PFN probe technology. (SAND – 77-0300) 365255
Bizard, G.
^{3}He production in ^{4}He fragmentation on protons at 6.85 GeV/c. 354154
Angular distribution measurement of the reaction $\alpha p \rightarrow {}^3He$ d at 3.98 GeV/c. 354147
Bizli, K.O.
Alfven wave instability in a two-component tokamak. (IAE – 2615) 348888
Bizzeti, P.G.
Experiments on parity mixing in light nuclei. 356713
Bjelanovicj, J.
Operating health physics experience on exposure of the personel working at RA reactor during last ten years period. 370656
Bjelland, J.C.
Detection of bronchopleural-subarachnoid fistula by radionuclide myelography: case report. 373661
Bjerhammar, A.
The gravity field in Fennoscandia and postglacial crustal movements. (KBS-TR – 17) 363657
Bjerke, M.A.
Review of short-term fission-product-decay power. 362868
Bjoernholm, S.
Island of high spin isomers near N = 82. (ZfK – 336) 364811
Bjoernstad, T.
Decay properties of some neutron-rich cerium isotopes. 359459
Bjoerseth, A.
Analysis of organochlorine compounds in effluents from bleacheries by neutron activation analysis and gas chromatography/mass spectrometry. 367021
Bjorken, J.D.
Decay $\mu \rightarrow e\gamma$ in models with neutral heavy leptons. 372363
High transverse momentum hadron-hadron collisions. 364477
Symposium summary and prognosis. (SLAC-PUB – 1668) 377786
Bjorkholm, J.E.
Deflection of atomic beams with isotope separation by optical resonance radiation using stimulated emission and the ac stark effect. (US patent document 4,047,026/A/) 373916
Bjorklund, W.J.
Cost analysis for application of solidified waste fission product canisters in U.S. Army steam plants. (BNWL – 2266) 363080
Recent calcination and vitrification process accomplishments. 358493
Bjorkquist, D.W.
Stopped-flow studies of carbon dioxide hydration and bicarbonate dehydration in H_2O and D_2O. Acid-base and metal ion catalysis. 367111
Bjornholm, S.
Island of high-spin isomers near N = 82. 367001
Bjornstad, D.J.
Regional Studies Program annual report, January 1 through December 31, 1976. (ORNL-TM – 5838) 362841
Blaauw, A.
Mean chemical abundance of the F stars as a function of distance from the galactic plane. 369033
Blaauw, G.
Technetium scanning in orbital disease. 365484
Blaauw, H.J.
Total cross sections for electron scattering. 353195
Blaby, R.E.
The TRIUMF thermal neutron facility as planned for operation by 1978. (TRI – 77-1) 360710
Blachly, C.H.
Activation of water soluble amines by halogens for trapping methyl radioactive iodine from air streams. (US patent document 4,040,802/A/) 366075
Activation of water-soluble amines by halogenes for catching radioactive iodine out of air streams. (German (F.R.) patent document 2604109/A/) 354395
Salts of the iodine oxyacids in the impregnation of adsorbent charcoal for trapping radioactive methyliodide. (US patent document 4,016,242/A/) 374155
Blachot, J.
The decay of ^{136}Te (20.9s). 354262
Blachshinskij, V.S.
Automation system of the processing of aerial gamma spectrometry surveys "Aehropoisk-2". 376008
Blacic, J.D.
Preliminary analysis of microacoustic signals associated with rock fracture. 373395
Black, E.S.
Optical properties (0.1 – 25 eV) of Nb-Mo and other Nb-based alloys. 359897
Black, J.H.
Models of interstellar clouds. I. The Zeta Ophiuchi cloud. 359054
Black, K.M.
Large-scale fuel cycle centres. 368504
Black, T.J.
Structural component made of a zirconium alloy and heat treatment process for it. (German (F.R.) patent document 2607146/A/) 351725
Black, W.E.
Evaluation of coated columbium alloy heat shields for space shuttle thermal protection system application. Final report. (N – 77-22531) 367231
Blackburn, D.
Analytical approximations to the rewetting rate of overheated composite fuel pins under low pressure, high temperature conditions. 376505
Blackburn, G.W.
Inservice inspection of desalination plant containment vessels. 365766
Blackburn, L.D.
Irradiation effects and design of LMFBR permanent reactor structures. 368198

Blackett, N.M.
Simultaneous assay by six methods of the effect on haemopoietic precursor cells of adriamycin, methyl CCNU, ^{60}Co γ-rays, vinblastine, and cytosine arabinoside. 373515
Blackith, R.
Anxieties and fears about plutonium; and Reply. 360306
Blackman, G.L.
Detection of interstellar DNC: difficulties of chemical equilibrium hypothesis for enrichment. 348995
Observation of J = 1 → 0 emission from $H^{15}NC$. 348985
Blackmon, D.B.
Selecting sites for ease of licensing requirements. 365878
Blackmon, P.D.
Borehole geophysical investigations in the South Texas uranium district. 375975
Blackmore, E.W.
Developments at TRIUMF. 363211
Improvements to the beam properties of the TRIUMF cyclotron. 363199
Blackstone, R.
Irradiation-induced creep in fuel compacts for high-temperature reactor applications. 370235
Radiation creep of graphite. An introduction. 360060
Blades, J.C.
Detection of hyperfine structure of interstellar Na I in the α Cygni sight-line. 374980
Non-anomalous diffuse interstellar absorption features in Rho Leonis. 359055
Blaettner, H.
Bonded rare earth – cobalt permanent magnets. 362463
Blagonravov, L.A.
Specific heat of liquid caesium at temperatures up to 1700 K under pressure. 375832
Blagovolin, P.P.
Planning of a number of "pure" critical experiments with heavy water and natural uranium aimed at reactor constant verification. (INIS-mf – 4043) 363377
Blahd, W.H.
Skeletal imaging in metabolic bone disease. 354942
Blahnik, D.E.
Production equipment development needs for a 700 metric ton/year light water reactor mixed oxide fuel manufacturing plant. (BNWL – 2414) 373291
Blaho, D.
Current converter for measuring neutron flux density by SPN detectors. 350290
Blair, D.L.
Apparatus for the detection of small numbers of desorbing inert gas atoms. 367898
Blair, G.N.
Energetics of molecular clouds. I. Methods of analysis and application to the S255 molecular cloud. 372161
Blair, G.N. Jr.
Millimeter molecular line and infrared observations of dense clouds associated with small Hα emission regions. 350984
Blair, H.T.
Recent calcination and vitrification process accomplishments. 358493
Blair, I.M.
Yield curves for cyclotron production of ^{123}I, ^{125}I and ^{121}I by $^{127}I(p,xn)$ Xe → (β) → I reactions. 376241
Blair, J.S.
Excitation function of the analyzing power in the reaction $^{58}Ni(p,p')^{58}Ni(2^+, 1.45$ MeV). (RLO/1388 – 362) 372713
Blair, R.J.
Radiopharmaceuticals for bone and bone-marrow imaging. 354876
Blais, N.C.
Direct calculation of the equilibrium value of the energy of activation for dissociation of H_3 by Ar and evidence for the important contribution of collisional dissociation from low vibrational quantum numbers and high rotational quantum numbers at shock tube temperatures. 378419
Legendre moment method for calculating differential scattering cross sections from classical trajectories with Monte Carlo initial conditions. 350688
Monte Carlo trajectories: Alignment of HBr rotational angular momentum as a function of scattering angle for the reaction $H + Br_2 \rightarrow HBr + Br$. 350578
Blaisse, B.S.
Lambda-tight ruby valve. 360603
Blak, A.R.
Effect of gamma radiation on the thermoelectret state of BeO. (INIS-mf – 4127) 363962
Thermoelectret properties of BeO. (INIS-mf – 4127) 364077
Blake, D.
Transformations in uranium base. 373162
Blake, G.
Nuclear reactor. (German (F.R.) patent document 1614939/B/) 352628
Blake, G.M.
An upper limit to the cosmological variation of Planck's constant derived from the spectrum of the microwave background radiation. 356190
Blake, L.
Design problems in rehabilitating the Glace Bay heavy water plant. 360565
Blake, M.I.
Isotope chemistry and biology. 352063
Blake, P.J.
TFTR systems analysis model. (WFPS-TME – 017) 368920
Blake, R.G.
Faulted loops in neutron-irradiated zirconium. 362538
Blakely, E.A.
The effects of accelerated heavy nuclei of neon and argon on mammalian cells in culture. 378981
Blamont, J.
Measurements in interplanetary space and in the Martian upper atmosphere with a hydrogen absorption-cell spectrophotometer for Lα-radiation on-board Mars 4 – 7 spaceprobes. 374293
Blamont, J.E.
Temperature measurement of interplanetary-interstellar hydrogen. 356189
Ultraviolet spectrometer experiment for the Voyager mission. 374884
Blanc, P.
Recent results in the lower-hybrid heating of the Wega device. (INIS-mf – 3963) 372085
Rf heating experiments in the Wega Tokamak. 358916
Blanchard, B.
Auger analysis and ion mass spectrometry study of electron induced damages. 368827
Blanchard, D.
Rare earth and trace element geochemistry of a fragment of Jurassic seafloor, Point Sal, California. 349646
Blanchard, D.P.
Trace element distribution in mineral separates of the Allende inclusions and their genetic implications. 354668
A well-tested procedure for instrumental neutron activation analysis of silicate rocks and minerals. 375284
Blanchard, P.
Characteristics and behaviour of the fuel in the Phenix reactor. 368201
Preliminary results on the use of a high output automatic reader for personal radiothermoluminescent dosimeters. 355577
Blanco, B.M.
Carbon and M-type giant stars in the Magellanic Clouds. 374880
Blanco, R.E.
Correlation of radioactive waste treatment costs and the environmental impact of waste effluents in the nuclear fuel cycle: conversion of recycle uranium to UF_6. (ORNL/NUREG/TM – 37) 352288, 374417
A cost/benefit analysis of methods for controlling the release of radioactive materials in the nuclear fuel cycle. 368441
Radiological impact of airborne effluents of coal-fired and nuclear power plants. (ORNL – 5315) 362611
Releases of radioactivity from uranium mills and radwaste effluent costs. 379315
Blanco, V.M.
Carbon and M-type giant stars in the Magellanic Clouds. 374880
Bland, R.
Search for fractional charge on tungsten particles. 351213
Blander, M.
Chemical Engineering Division physical inorganic chemistry. Annual report, July 1975 – June 1976. (ANL – 76-101) 364847
Equations of state for alkali metals near their critical points. (CONF-770537 – 4) 351732
Blandford, R.D.
Spectrum of a radio pulse from an exploding black hole. 356191
Blandin, J.
Evaluation of the single-electron density of states in a non Debye plasma. 377351
Blank, A.B.
Extraction of rare earth complexes with morin. (INIS-mf – 4192) 375222
Blank, A.D.
New approximation for calculating partition function ratios of isotope-substituted molecules. 372971
Blank, G.
Investigation of the coolant flow distribution in a pressurized water reactor. (BMFT-FB-K – 77-14) 376506
Blank, H.
Behaviour of advanced fast-breeder fuels at high power density. 368199
Correlation between properties and irradiation behavior for carbide, carbonitride and nitride fuels. 379735
Blank, T.L.
New approximation for calculating partition function ratios of isotope-substituted molecules. 372971
Blank, W.
Ion exchanger filter. (German (F.R.) patent document 2555131/A/) 369622
Blankenbecler, R.
Bound states of weakly coupled long-range one-dimensional quantum Hamiltonians. 371344
Model for massive-lepton-pair production. 372402
Nonscaling behavior: The proton, neutron, and deuteron structure functions. 372482
Possible connections between hard and soft processes. (SLAC-PUB – 2051) 377708
Relativistic interactions between nuclei, coherence effects and nonscaling. (SLAC-PUB – 2010) 377866
Blankert, P.J.
Investigation of the sup(112,114,116)Sn(p,t)reactions. (INIS-mf – 4267) 377975
Study of multistep processes in the (p,d) reaction and inelastic scattering of 24.0 MeV protons on ^{26}Mg. (INIS-mf – 3946) 349130
Blankova, T.N.
Neutron-activation analysis of bauxites and products of their processing. 375225

Blanks, J.H.
High temperature stability of GdB_2. 362482
Blann, M.
A-priori pre-equilibrium decay models. 354047
Evaporation residue excitation functions for ^{35}Cl induced reactions of $^{112,120}Sn$ and ^{141}Pr. 354174
Mechanisms of heavy ion reactions from a macroscopic viewpoint. 354048
Nuclear reaction mechanisms. Progress report, June 1976 – July 1977. (COO – 3494-32) 372542
A quasi-free scattering preequilibrium model for (N, α) reactions. 354108
Statistical analysis of heavy-ion induced fission excitation functions. 364652
Blanpain, R.
An automatic liquid nitrogen level controller and transfer system. 360604
Blanter, M.E.
Austenite yield strength variations during martensite transformation. 369910
Blanzat, B.
Energy transfer between Ce^{3+} and Tb^{3+} in rare earth pentaphosphates. 355858
Interpretation of the mechanism of energy transfer from Bi^{3+} to Eu^{3+} in oxide glasses. 362444
Blasche, K.
The GSI at Darmstadt. P. 2. 357941
The GSI at Darmstadt. Pt. 1. 355170
Blaschko, O.
Investigation of the Nb-Dsub(0.04) system under hydrostatic pressure by neutron scattering. 365138
Blasek, G.
Ion-plating and vapour deposition of steel substrates with copper in a technical vacuum equipment. 368905
Blashchuk, V.E.
Specific features of weld formation in arc welding of titanium using electromagnetic stirring. 369876
Blashkiv, V.S.
On the mechanism of appearance of yellow photoluminescence in zinc telluride. 374678
Blasius, D.
The physical tests in the KNK-II. 376409
Blatchford, J.D.
Impact of containment design on nuclear plant availability. 370931
Blatt, C.J.
Soft-tissue sarcoma: imaged with technetium-99m pyrophosphate. 379142
Blattman, H.
Analysis of animal experiments of radiation dependent tumor regression in relation to different parameters. (LA-tr – 77-73A) 379019
Effect of pions on the embryonal development of the mouse. (LA-tr – 77-77B) 379008
Blattmann, H.
Different genetic and cellular responses to negative pimesons (peak and plateau) in dependence on intrinsic properties of reaction systems: a new concept of RBE. 352035
Effects of low-dose irradiation with X-rays and pi-mesons on embryos of two different mouse strains. 360265
Preclinical experiments with the SIN negative pi-meson beam. RBE values for tumour and normal cell systems, and genetic damage studies in the beam peak and plateau regions. 378963
Blattner, P.
Proportional variations of geochemical delta^{18}O scales -an interlaboratory comparison. 364848
Blau, M.
Charge and nature of technetium species produced in the reduction of pertechnetate by stannous ion. 373028
Positron annihilation in a single VO_2 crystal. 348768
Blauel, J.G.
Fracture behaviour investigations under centrifugal stress. 355260
Blauer, H.M.
A controlled power supply for the electrolytic enrichment of tritium. 365654
Blaufox, M.D.
Quality control of technetium-labelled lung imaging agents. 373011
Blaut-Blachev, A.N.
Effect of heat treatment on properties of InSb alloyed with Ge, Zn, Mn, Cd. 369911
Blauvelt, R.K.
Safety Analysis Report for Packaging (SARP): USA/9507/BLF (ERDA – AL), Model AL-M1. (MLM – 2447) 379473
Blazek, G.
Scintigraphy of acute myocardial infarction. (INIS-mf – 4010) 362821
Blazek, M.
To the statistics of hadronic excitations. 353767
Blazha, M.G.
Determination of phonon density of crystals according to oscillation of satellites of non-phonon lines in luminescence spectra. 371566
Blazhevicj, J.
Intensity variations of some low-frequency Raman bands in crystaline phenanthrene. 377178
Blazickova, D.
The significance of iodine prophylaxis and the values of radioiodine uptake by the thyroid. 379149
Blecher, A.S.B.
Absolute flow measurements to obtain depth against discharge for sewers using bromine-82 and lithium as tracers. 352366
Blecher, M.
E2 nuclear resonance effects in pionic and kaonic atoms. (RL – 77-101/A) 356493
Inelastic scattering of π^+ Mesons from nuclei at 50 MeV. 369493
Blechschmidt, D.
CERN 400 GeV proton storage rings with superconducting magnets. 363145
New vacuum techniques for small aperture proton storage rings. 363162
Prototype vacuum test section for the CERN large storage ring project. 370738
Blechschmidt, M.
Status and future aspects of nuclear material transport in the Federal Republic of Germany. 367942
The transport of radioactive materials, paying special attention to nuclear fuels. (PTB-FMRB – 64) 355160
Bleck, J.
Critical exponent β for hyperfine fields in nickel. 374679
Bleckwenn, J.
Comparison of inelastic electron and positron scattering cross sections on ^{12}C and ^{27}Al. (DESY – 77/40) 364781
Shadowing effect in inelastic electron scattering on ^{12}C and ^{27}Al nuclei at small four momentum transfer. (DESY – 77/55) 364782
Validity of the one-photon exchange approximation in inelastic scattering of electrons and positrons on protons. 366889
Bleeker, J.A.M.
The diffuse soft X-ray sky. 361743
Observation of galactic soft x-ray by LEINAX-3. 377615
Blegaa, S.
Energy supplies for Denmark – the choice up until the year 2000. (INIS-mf – 4146) 368412
Bleiberg, H.
Correlation between liver scintigraphy and computed tomography in the detection of liver metastases. (INIS-mf – 4010) 357685
Bleickert, M.
Quality assurance during assembling of nuclear power plants according to German inspection practices. (INIS-mf – 3973) 368469
Blenke, H.
The influence of nose section and turbulence intensity on the flow around thick plates in parallel flow. 365694
Bleris, G.L.
The ordered state of In_3Te_4. 369968
Bleser, E.
Inclusive charged-particle production in neutron-nucleus collisions. (COO – 2289-171) 361968
Bleszynski, M.
A new approximate propagator in multiple scattering at medium energy. (INP – 861/PH) 371345
Bletzacker, F.
Semileptonic decays of charmed mesons produced in electron-positron annihilation. 359233
Blevins, D.J.
0.54-MJ superconducting magnetic energy transfer and storage. (LA-UR – 77-1312) 356153
Blevins, M.L.
Process and arrangements for removing a tube from a tube plate. (German (F.R.) patent document 2615521/A/) 352475
Blewden, H.J.
In sodium materials monitoring for LMFBR. (IWGFR – 10) 363491
Blewer, R.S.
Measurement of light-atom distributions in solids. (SAND – 77-0701(Vol.3)(No.1)) 362120
Blewitt, T.H.
J/sub c/ changes after neutron irradiation of Nb_3Sn at 8 K. 373166
Bley, P.
Influence of process gas temperature on the uranium isotope separation in the separation nozzle. (KFK – 2466) 360553
The physics of uranium-235-enrichment in the separation nozzle process. Pt. 4. 365648
Bleyer, W.A.
Effect of photon irradiation on blood – brain barrier permeability to methotrexate in mice. 373526
Bleyl, U.
Scintigraphic diagnosis of a primary liver cell carcinoma using a new radiopharmaceutical. 376184
Blickle, D.
Preliminary decision and construction design approval from the view of the licensing authorities. 352945
Blietschau, J.
Search for strangeness changing neutral currents induced by neutrinos in GARGAMELLE. 361875
Blignaut, E.
Irradiation resistance of cytotoxic lymphocytes. 367687
Blik, A.M.
Shower spectrometer with a combined radiator. 361015
Bliman, S.
A multicharged ion source for metallic vapours. 379375
Blin, D.V.
Irradiation of the SKM-200 device in 17 GeV/c α-particle beam and the results of prelimenary analysis of αLi- and αNe-interactions. (JINR – 1-9280) 351206
Blin, J.C.
Fabrication of HTR fuel elements by a gaseous impregnation process. (CEA-CONF – 3924) 358245
Blind, D.
Low-stress fractures due to locally, damaged welding material. (AED-Conf – 76-747-009) 354496

Blinkin, V.L.
Hybrid system of fusion and fission reactors on the base of molten fluoric salts with the simplest fuel cycle. (INIS-mf – 3954) 361500
Thermal power breeders with circulating nuclear fuel. (IAE – 2589) 358277
Blinkov, D.I.
Experience in operating low-energy accelerators for activation analysis of metallurgic products. 357892
Blinnikov, S.I.
Disk accretion onto a black hole at subcritical luminosity. 353667
A hot corona around a black hole accretion disk and the Cyg X-1 model. 364283
Blinnikov, Yu.S.
Study on decay of ^{118}Xe and ^{119}Xe by means of mass-separator on-line with a synchrocyclotron. 377972
Blinov, L.M.
Electro-optical effects in liquid crystals. 353405
Blinov, M.V.
Experimental evaluations of fission neutron emission probability during time above 10^{-14} seconds. (INIS-mf – 3896) 356714
Measurement of fission neutron spectra of ^{252}Cf in the energy range from 0.02 to 2.0 MeV. (INIS-mf – 3896) 356698
Blinov, P.I.
High-perveance electron-optical system with recuperation of electron energy. 360717
Blinov, V.A.
Device for air sampling on filters. (Soviet patent document 498581/A/) 376265
Installation complexes for sampling and measuring tritium in environment. 375267
On the necessity for evaluation of the limits of radioactive waste disposal into water systems of international importance. 368394
Blinowska, K.J.
Investigation of the excited levels of ^{158}Gd by means of the neutron generator. (SGAE – 2354) 354155
Blinowski, K.
On the luminosity of a two-crystal diffractometer. 358345
Bliss, E.S.
Automatic alignment system for the twenty beam shiva fusion laser. (UCRL – 80249) 377352
Optical engineering problems associated with construction of the Shiva Laser Fusion Facility. (UCRL – 80004) 361546
Bliss, W.A.
Plutonium distribution in the environs of the Nevada Test Site: status report. (NVO – 171) 378828
Blissett, J.A.
A partial-wave analysis of world data for the reaction $\pi^-p \rightarrow K^0\Lambda$ from threshold to 2350 MeV/c. 353760
Blitstein-Willinger, E.
Inhibition by Isoptin (a calcium antagonist) of the mitogenic stimulation of lymphocytes prior to the S-phase. 376130
Blitzer, L.D.
Homogeneously doped silica matrices for trace element standards in neutron activation analysis. 372902
Bliwert, K.
The determination of manganese in the tea using the SAA method. 367027
Bliznakov, V.
Peculiarities of the late clinical manifestation of local radiation injury. 367528
Bliznik, K.M.
Regularities of radiorace formation in yeasts. Comm.8. The role played by heterozygosis of diploid yeasts in radiorace formation. 352016
Blobel, V.
Diffraction dissociation in the reaction $pp \rightarrow p\Lambda K^+$ at 12 and 24 GeV/c. 353969
Dissociation of the proton into $(p\pi^+\pi^-)$ in the reaction $pp \rightarrow pp\pi^+\pi^-$ at 12 and 24 GeV/c. 353940
Evidence for the tau $\rightarrow \gamma rho\pi$ decay mode. 372500
Investigation of diffraction dissociation in single pion production reactions in nucleon-nucleon collisions at 12 GeV/c. (BONN-HE – 75-1) 366881
Measurement of the branching ratios for the decays J/psi(3.1) $\rightarrow$ fω and J/psi(3.1) $\rightarrow$ Bπ. 372506
Measurement of the J/psi radiative decay into $f^0(1270)\gamma$. 377779
Blobstein, S.
Detection of carcinogen-DNA adducts by radioimmunoassay. 357703
Bloch, J.M.
Electron spin resonance of $LaBe_{13}$:Er:evidence for Er spin-spin exchange broadening. 363997
Bloch, M.
Total cross sections for charged-current neutrino and antineutrino interactions in BEBC in the energy range 20-200 GeV. 353945
Bloch, P.
A detector for high-energy neutrino interactions. 379899
Is there a high-y anomaly in antineutrino interactions. 351222
Like-sign dimuon events produced in narrow-band neutrino and antineutrino beams. 356512
Measurement of the neutral to charged current cross section ratio in neutrino and antineutrino interactions. 361888
Observation of a neutrino event with four energetic muons. 372525
Observation of the decay $\pi^0 \rightarrow e^+e^-$. 377802
Observation of trimuon events produced in neutrino and antineutrino interactions. 356511
Study of inclusive neutral current interactions of neutrinos and antineutrinos. 369377
Blociszewski, S.
The effect of density deviation on concrete attenuation effectiveness. 376428
Block, A.J.
Thyroid radiation dose during panoramic and cephalometric dental x-ray examinations. 362696
Block, J.A.
Downcomer effects in a 1/15-scale PWR geometry-experimental data report. (PB – 268244) 362894
Lower plenum voiding with scaled PWR plenum geometries. (CREARE-TN – 258) 358214
Block, L.P.
A double layer review. (TRITA-EPP – 77-16) 354701
Block, M.
Further evidence for production of electrons with small transverse momenta in pp collisions. 377784
Block, M.M.
Measurement of decay branching ratios for the sub(Λ0sup(4)He hypernucleus. 361889
Block, R.C.
^{238}U(n,f) measurements below 100 keV. 356885
Capture cross section measurements of Pr and Kr. (BNL-NCS – 22500) 356757
Neutron capture cross section measurements of ^{99}Tc up to 80 keV. (BNL-NCS – 22500) 356826
Neutron resonances in ^{45}Sc and their relation to thermal scattering parameters. 362047
Neutron total and capture cross section measurements on fission produce Pd. (BNL-NCS – 22500) 356884
Temperature-dependent self-indication measurements in ^{238}U. (BNL-NCS – 22500) 356539
Total cross sections of ^{45}Sc. (BNL-NCS – 22500) 356823
Blocki, J.
Proximity forces. 359381
Bloemen, E.
Electron capture into excited projectile states in collisions of 100 keV Nesup(z+) (z = 1,2,3,4) with He, H_2 and Ar. 348743
Photon emission by impact of Nesup(z+) (z=1, 2, 3, 4) on He (20-1000 keV). 358855
VUV radiation, slow ions and electrons produced in collisions of multiply charged Ne ions with He and Ar. 361405
Blok, H.P.
Excitation of core coupled states in ^{87}Sr and ^{89}Sr via two-step processes in the ^{88}Sr(p,d) and ^{88}Sr(d,p) reactions. 354156
Excitation of core-coupled states in ^{207}Pb. (INIS-mf – 4267) 378002
Investigation of the sup(112,114,116)Sn(p,t)reactions. (INIS-mf – 4267) 377975
The level structure of ^{111}Ag via the ^{110}Pd(^{3}He, d)^{111}Ag reaction. 354134
Study of multistep processes in the (p,d) reaction and inelastic scattering of 24.0 MeV protons on ^{26}Mg. (INIS-mf – 3946) 349130
Two-step processes in direct reactions. 369466
Blok, J.
Contribution of fuel rod deposits to the buildup of radiation on out-of-core surfaces of the Nine Mile Point 1 BWR. (NEDC – 13461) 363435
The electron capture decay of ^{131}Ba. 378040
The electron capture decay of sup(106m)Ag. 377996
Study of multistep processes in the (p,d) reaction and inelastic scattering of 24.0 MeV protons on ^{26}Mg. (INIS-mf – 3946) 349130
Blokh, Ya.L.
Development of ground methods for investigation of cosmic ray variations. 357525
Blokhin, M.A.
Emission bands of phosphorus and calculation of band structure of rare earth phosphides. 374652
X-ray spectral study of change in electron structure of $CdGeP_2$ in passing from crystalline to glass-like state. 351860
X-ray spectral study of electronic structure of Cd_3P_2. 357052
X-ray study of electronic structure of the $A^2B^4C_2^5$ and A^3B^5 type semiconductor phosphides. 374719
Blokhin, N.B.
Investigations of redox reactions of actinides. 357086
Blokhin, V.A.
Electrophysical properties of solid oxygen-ionic electrolytes. (FEI – 750) 369599
Blokhina, V.D.
Protein synthesis in the nuclei of cells of small intestine mucosa of rats suffering from the most severe form of acute radiation sickness and treated with the protector. 379009
Blokhintsev, D.I.
Quark dynamics. 372364
Blokhintsev, L.D.
Electromagnetic form factors and vertex constants for ^{6}Li. 375102
Blokhintzev, D.I.
IBR-2-the periodically pulsed reactor for neutron investigations. (INIS-mf – 3946) 356682
Blokhra, R.L.
Viscosities of solutions of cadmium halides in aqueous acetone. 367071
Blokzijl, R.
A study of inclusive Ξ^- production from K$^-$p interactions at 4.2 GeV/c. 353964
Blome, W.
Pressure build-up in a series of compartments after a steam-line break. 370534
Blomeke, J.O.
Management of high-level and alpha-bearing wastes. 368366

Preliminary assessment of partitioning and transmutation as a radioactive waste management concept. (ORNL/TM – 5808) 368365
Projections of spent fuel to be discharged by the U.S. nuclear power industry. (ORNL/TM – 6008) 370869
1972 preliminary safety analysis report based on a conceptual design of a proposed repository in Kansas. (ORNL/TM – 5764) 358512
Blomgren, H.
Effect of radiation therapy on the mitogenic response of in vitro irradiated human lymphocytes to phytohaemagglutinin. 376055
Blomquist, C.A.
Thermal and stress analyses of meltdown cups for LMFBR safety experiments using SLSF in-reactor loops. (CONF-770807 – 40) 365521
Blomquist, G.
Leaching of French, English and Canadian glass with incorporated highly radioactive waste. (KBS-TR – 08) 362869
A search for the I peak at 2.60 GeV/c^2 in 12 GeV/c anti pp interactions in the CERN 2m HBC. 377781
Blomquist, R.
Introductory calculations of temperatures in a rock storage for final disposal of radioactive waste. Report no. 2. (KBS-TR – 15) 363658
Blomquist, R.A.
Interactions of refractories and reactor materials with sodium. 368204
Measurement of thermal diffusivity of molten UO_2. (CONF-770537 – 3) 360017
Blomquist, R.N.
Inclusion of buckling approximations in finite element neutron transport methods. 360773
Blomqvist, G.
Calculated leaching of certain fission products from a cylinder of French glass. (KBS-TR – 24) 363659
Blomqvist, J.
On the yrast levels in ^{204}Pb. 375190
The structure of high-spin states in ^{212}Rn. (ZfK – 336) 364748
Blomqvist, R.
Introductory calculations of temperatures in a rock storage for final disposal of radioactive waste. (KBS-TR – 05) 363660
Blond, R.M.
Overview of the reactor safety study consequence model. (SAND – 77-0151C) 357824
Blondeau, G.
Structure and growth of anodic oxide films on titanium and TA6V alloy. 378597
Blondel, A.
Search for strangeness changing neutral currents induced by neutrinos in GARGAMELLE. 361875
Blondel, Maurice
Ionization chamber. 355519
A 6.13MeV gamma reference source, measurement of the emission rate. (CEA-R – 4848) 355090
Blong, R.J.
Fluvially transported charcoal erroneous ^{14}C ages for recent deposits. 375226
Blons, J.
Observation of rotational states before fission barrier for the ^{232}Th(n,f) reaction. (INIS-mf – 3896) 356715
Blonskij, I.V.
Temperature peculiarites of electron-hole drop emission in PbJ_2. 374680
Bloodworth, I.J.
A partial-wave analysis of world data for the reaction $\pi^-p \rightarrow K^0\Lambda$ from threshold to 2350 MeV/c. 353760
Bloom, A.L.
Immunoradiometric assay of procoagulant factor-VIII antigen in plasma and serum and its reduction in haemophilia. 379197
Bloom, E.E.
Effects of neutron irradiation on microstructure and mechanical properties of Nimonic PE-16. 357236
Bloom, S.D.
Incoherent scattering of gamma rays by K-shell electrons. 350683
Raman scattering method and apparatus for measuring isotope ratios and isotopic abundances. (US patent document 4,068,953/A/) 378116
Bloom, S.R.
Specific localisation of neurotensin to the N cell in human intestine by radioimmunoassay and immunocytochemistry. 357704
Bloomquist, C.A.A.
Radiochemical separations by liquid – liquid chromatography using PSM support. 378119
Bloomster, C.H.
TDHR-a Tokamak demonstraction hybrid reactor. 377377
Bloser, M.H.
Development of nuclear standards and reliability with special regard to German and international organization activities. 379218
Blosfel'dt, Yu.M.
Connection pipe of a reactor charging machine. (Soviet patent document 392792/A/) 350129
Bloshenko, A.N.
Decarburization of the chromium-containing melt. 375774
Bloszczyszyn, R.
Coverage dependence of FE flicker noise. 378658
Blotcky, A.J.
Comparison between neutron activation analysis and graphite furnace atomic absorption spectrometry for trace aluminum determination in biological materials. 372857
Blount, E.I.
Pressure dependence of magnetic excitations in PrSb. 367281
Bloxsidge, J.P.
Tritium nuclear magnetic resonance spectroscopy. 354281
Bludman, S.A.
Neutrino transport in collapsing stars. 353768
Neutron transport methods in neutrino transport calculations. 372567
Bluem, P.
Evidence for bound states in the anti pp-system. 377811
Evidence for narrow bound states related to the panti p system. 377817
High-spin states and neutron multiplicities after pion capture in ^{181}Ta and ^{209}Bi. (INIS-mf – 4267) 377966
Measurement of muon polarization in excited states of muonic atoms. 376955
Measurement of the circular polarization of muonic Ksub(α) X-rays in Se and Pd. 361330
Measurements on light antiprotonic atoms. 376976
Pion absorption by ^{3}He. 377963
Study on antiprotonic atoms of light nuclei and isotopes. 371523
Bluemel, W.
Function and set up of public participation in the nuclear licensing procedure. 352946
Bluett, M.K.
Simultaneous radioimmunoassay of thyrotropin and thyroxine in human serum. 362766
Blum, A.
Temperature dependence of the radiolysis yields in crystalline ammonia. 365040
Blum, A.S.
Advanced-fueled fusion reactors suitable for direct energy conversion. Fourth quarterly progress report: October 1976 – December 1976 and first quarterly progress report: January 1977 – March 1977. (UCRL – 50039-77-1) 371755
Direct energy conversion and neutral beam injection for catalyzed D and D-^{3}He tokamak reactors. (UCRL – 79642(Rev.1)) 350807, 371754
Neutral beam based on positive ions with direct energy conversion. (UCRL – 80418) 377489
Blum, K.
Coherence effects in electron-hydrogen scattering. 353235
Coherence parameters and vector polarization in the ^{3}P excitation of helium. 353306
Electron-photon angular correlations and threshold polarization in electron-molecule scattering. 353273
Even-odd parity coherence effects in electron-hydrogen scattering. 361334
Blum, L.
Simple electrolytes in the mean spherical approximation. III. A workable model for aqueous solutions. 369713
Blum, P.
Energy spectrum of Na sputtered from NaI measured with an optical spectrometer. 368749
Measurements of the velocity spectrum of sputtered Na from a NaI target by a Doppler-shift laser spectrometer. 366341
Blum, W.
Measurement of the reaction $\pi^-p \rightarrow \pi^+\pi^-n$ on a transversely polarized target at 17.2 GeV. 353937
Blume, J.A.
Special considerations for seismically active areas. 379219
Blume, M.
Improved numerical results for the three-dimensional alloy with site diagonal disorder. 366387
Low-temperature spin-wave dynamics in three-component classical Heisenberg chains. 366423
Polarization analysis of emission lines in the presence of relaxation. 363951
Blumel, W.
Site provision planning for nuclear power plants and other large-scale projects with environmental relevance in the FRG. (AED-Conf – 77-020-001) 368083
Blumen, A.
Diatomic molecules in a rare gas matrix; vibrational energy accumulation in CO isotopes imbedded in argon. 361335
Blumenfeld, H.
Λ and anti Λ production in K$^+$p interactions at 32 GeV/c. 372512
A study of πsup(+), πsup(-) and proton production in pp interactions at 69 GeV/c. 361867
Blumenson, L.E.
Compromise screening strategies for chronic disease. 357590
Blumenstock, D.A.
Allotransplantation of the lung without immunosuppression after transplantation. II. Combined autotransplantation of bone marrow and allotransplantation of lung. 367484
Blumenthal, R.N.
Study of the defect structure of "pure" and doped nonstoichiometric CeO_2. Final report, January 1, 1965 – May 31, 1977. (COO – 1441-28) 378763
Blumer, D.J.
Determination of the ratio of the nuclear electric quadrupole moments of ^{97}Mo and ^{95}Mo by nuclear quadrupole double resonance spectroscopy of $Mo(CO)_5P(C_6H_5)_3$ and CIS-$Mo(CO)_4[P(C_6H_5)_3]_2$. 355958
Blumer, P.J.
Master schedule for CY-1978. Hanford Environmental Surveillance Routine Program. (PNL – 2432) 379220
Radiochemical analyses of game birds collected from the Hanford environs, 1971 – 1975. (BNWL – 2089) 357461

Blumfield, C.W.
The Dounreay project. 371010
Blumkin, S.
Enrichment supply and technology outside the United States. 363063
Method for estimating the inventory of an isotope separation cascade by the use of minor isotope transient concentration data. (K – 1892) 379362
Blumm, M.C.
Environmental planning and the siting of nuclear facilities: the integration of water, air, coastal, and comprehensive planning into the nuclear siting process. Improving regulatory effectiveness in federal/state siting actions. (NUREG – 0199) 352970
Improving regulatory effectiveness in Federal/State siting actions. Environmental planning and the siting of nuclear facilities: the integration of water, air, coastal, and comprehensive planning into the nuclear siting process. Final report. (PB – 269386) 366179
Blundell, D.R.
Instrument evaluation no. 5. Wallac OY universal radiation survey meter type RD-8. (NRPB-IE – 5) 376664
Instrument evaluation no. 7. D.A. Pitman Ltd., model 614 'Raditec' beta/gamma contamination monitor. (NRPB-IE – 7) 376634
Blundell, R.D.
Instrument evaluation no. 6. Victoreen 440RF/A shielded low-energy x-ray survey meter. (NRPB-IE – 6) 376635
Blyth, C.O.
The total cross section for the reaction $^{24}Mg(\alpha,n)^{27}Si$ up to 13.1 MeV. 354157
Blyth, P.
Observation of severe heat-flux limitation and ion-acoustic turbulence in a laser-heated plasma. 368952
Blythe, H.J.
Investigation of the magnetic after-effect in α-iron after neutron irradiation at 77K. 371588
Blyudov, E.V.
Certain problems of interaction theory. 353043
Blyumberg, Eh.A.
Critical phenomena in catalyzed oxidation of aldehydes. 357069
Blyumenfel'd, A.B.
Chemical transformations during heating of carborane-containing resols and resites. 357027
Blyumenfel'd, A.L.
On kinetics of radical reactions in gamma-irradiated clathrate hydrates. 362250
Blyumenfel'd, L.A.
Study of dynamic characteristics of conformation non-equilibrium states of hemoglobin and its complexes by the radiolysis method. 375684
Blyumkina, N.K.
Investigation of photo- and roentgenoluminescence of $LiYF_4$-rare earths monocrystals. (INIS-mf – 3955) 362155
Boal, D.H.
The rho⁻→πsup(-)γ decay rate and vector meson dominance. 356395
Some electromagnetic properties of charmed mesons. 372365
Board, S.J.
Detection of coolant blockages: problems and possibilities. (CONF-761001 – P2) 362937
Recent advances in understanding large scale vapour explosions. (CEGB-RD/B/N – 3666) 351471
Boato, G.
Diffraction of molecular beams from a low temperature metal surface. 368743
Boazi, M.
Evaluation of the multielement content in aerosol samples and their sources in Israel's urban environs by radioisotope excited XRF analysis. (IA – 1338) 364849
Bobchenko, B.M.
Standard logic elements in the 'Chereshnya' unified structure. (ITEF – 62) 376716
Bobeldijk, C.
Influence of predischarge conditions in SPICA. (INIS-mf – 3963) 371976
Bober, M.
Calculational and experimental approaches to the equation of state of irradiated fuel. (KFK – 2493) 367326
Boberg, F.
Radiochemical investigations of hydrocarbons and sulphur compounds. Pt. 5. 375675, 375676
Bobis, J.P.
Acoustic analysis of sodium boiling stability tests using THORS bundle 6A. (ANL-CT – 77-27) 360482
Acoustic analysis of TREAT LMFBR safety test R8. 352199
Acoustic measurements of the boiling stability tests on THORS sodium loop. (CONF-771023 – 22) 379806
Analysis on sodium boiling experiment in FFM bundle 3B, test 4. 352293
Bobisut, F.
Muonless π^0-production by muon-neutrinos and -antineutrinos. 353962
Bobkov, V.P.
Calculation of heat transfer in channels of infinite quadrangular lattice of cylindrical fuel elements. (FEI – 644) 376298
Calculation of turbulent heat transfer in infinite rectangular lattice channels with cylindrical fuel elements. (FEI – 602) 357899
Bobkov, V.V.
Mass spectrum of secondary ions knocked-out from copper surface by argon ion beam. 364051
Bobkov, Yu.G.
Activities on nuclear data preparation for reactors and other applications. (INIS-mf – 4043) 360782
Adjustment of evaluated microscopic data on the basis of evaluated integral experiments. (INDC(CCP) – 109/U) 358047
Adjustment of group constants according to evaluated integral measurements and recent versions of evaluated nuclear microscopic data. (INIS-mf – 4043) 363493
Comparative evaluation of group constants from UKNDL and the BNAB-70 system. (INIS-mf – 4043) 360759
Optimization of critical assembly composition. (INIS-mf – 4043) 363492
Bobkova, N.M.
Infrared spectra of glasses of $BaO-SrO-Al_2O_3-TiO_2-SiO_2$ system. 359585
Infrared spectroscopic investigation into glass structure of $P_2O_5-Nb_2O_5-TiO_2-Fe_2O_3$ system. 354320
Structure and properties of high-aluminous non-alkali silicate glass with high content of titanium. 378219
Bobleter, O.
Apparatuses for the dissolution of resistent nuclear fuel for analytical sample preparation. 367022
Automatic preparation of irradiated nuclear fuel solution samples for analytical purposes. 354473
Boboli, K.
Neutron activation analysis of single human hairs and possible applications for forensic purposes. (INR – 1504/8/C/A) 375257
Bobolovich, V.N.
Nuclear energy centres and the economic and ecological problems of nuclear power development. 368445
Bobonich, F.M.
Study of active centers of alkaline earth zeolites of type Y by infrared spectroscopy. 375504
Bobrinskij, A.P.
Technique for fracture toughness testing at negative temperature. 378684
Bobrov, A.M.
Evaluation of rings influence on the Saturn gravitational field. 369034
Bobrov, V.A.
Determining trace amounts in oils using neutron activation method. 367355
Bobrovskaya, T.S.
Radiation lacing of rubbers in the presence of polyfunctional unsaturated compounds. 362270
Bobrovskij, G.A.
Plasma heating in the TM-3 tokamak by electron cyclotron-resonance at magnetic fields up to 25 kOe. (IAE – 2564) 368912
X-ray spectra and impurity concentration in the T-10 tokamak. (INIS-mf – 3963) 371751
Bobrowski, K.
Correlation between radiation absorbed dose and electrical parameters of electron linac operation (LAE 13/9 in Warsaw). 379483
Bobula, C.M.
Behavior and transport of industrially derived plutonium in the Great Miami River, Ohio. 365312
Bobykin, B.V.
Electric prism. (Soviet patent document 441610/A/) 355608
Relative probabilities of the Auger KLM and KLN transitions in intermediate and heavy atoms (35/(<=)/Z/(<=)). 376965
Bobyl', A.V.
Ni effect on photoelectric properties of CdS monocrystals. (INIS-mf – 3955) 362162
Bobylev, V.I.
Combined operation of the I-2 injector into three beam extraction channels. (ITEF – 34) 376371
Development and operation of new units at the I-2 linac in 1973. (ITEF – 10(1975)) 367971
Bocek, M.
Behaviour of light-water reactor fuel elements under accident conditions. 365510
Investigations of the mechanical behavior of Zry-4 cladding material at high temperatures. (KFK – 2435) 357249
Bochagov, B.A.
Correlation between fragment kinetik energy and prompt neutrons in spontaneous fission of ^{252}Cf nuclei. (INIS-mf – 3896) 356575
Bocharkin, V.K.
Continuation of the "Gamma-telscope" experiment on the "Kosmos 731". 356187
Bocharov, V.K.
Experimental investigations of current discharge plasma confinement in L=1 torsatron in the region of low-frequency collisions. (INIS-mf – 3963) 371756
Bochek, G.L.
Cherenkov shower γ-spectrometer. 376655
Bochek, Yu.V.
Nuclear-geophysical methods of testing for lead and barium in natural bedding. 376017
Bochenin, V.F.
Seasonal dynamics of Co^{60} accumulation by Elodea canadensis Rich. 349796
Bocheninskij, V.P.
Hydrodynamics of a lithium blanket of a thermonuclear reactor. (INIS-mf – 3954) 364153
Bochev, B.
The feeding times and lifetimes of high-spin levels in ytterbium doubly even isotopes. (JINR-E – 7-9626) 369467
Life-times of high-spin rotational states of ^{166}Yb. (JINR-R – 7-8531)

359460
Bochikashvili, D.P.
Study on the Forbush effect on the basis of data of world system of cosmic ray stations during 1969-1970. 356171
Bochkans, P.Ya.
Analytical reactions of NO_3^-, VO_3^-, AsO_4^{3-}, MoO_4^{2-} ions with silicon. (INIS-mf – 4188) 375227
Bochkarev, Eh.P.
Magnetostriction of intermetallic compounds of rare earths with iron of Laves phase type. 373161
Second phase inclusions in silicon doped with samarium. 362375
Bochkarev, V.I.
On evaluation of the steel hot plasticity by extension of samples with notches. 358029
Bochkareva, V.A.
Oxidation of 1,3-dicarbonyl compounds by hydrogen peroxide in solutions of molybdenum (6) and tungsten (6) complexes. 378345
Urea, thiourea and guanidine as multiply connected ligands in complexes of d^0-elements. 375427
Bochko, A.V.
Investigation of behaviour of the hexanite-R during microcutting of titanium and steel. 349414
Bochkov, N.G.
Controlled rolling of profiles. 375757
Bochkova, O.P.
Dissociative excitation of hydrogen by metastable atoms of neon and helium. (INIS-mf – 3915) 348649
Bochsler, P.
Measurement of He, Ne and Ar contents of neutron-activated deep-sea basalt. 378171
Bock, H.W.
Method to operate power reactors with light water cooling. (German (F.R.) patent document 2526871/A/) 358033
Bock, P.
Application of bremsstrahlung activation analysis for the determination of carbon and nitrogen in sodium. 367023
Bock, R.
Reaction between ^{238}U and ^{238}U at 7.45 MeV/nucleon. 366981
Bockelman, C.K.
Pair excitations in the even W-isotopes. 354243
Bockhorn, H.
On the value of sequential scintigraphy for the investigation of the transplanted liver. (INIS-mf – 4010) 367707
Bockisch, A.
Properties of excited states in ^{102}Pd. 372785
Re-orientation effect and multiple Coulomb excitation measurements of ^{134}Ba. 356802
Bockisch, M.
Residues of 1-^{14}C-acrylonitrile in fumigated dry food. 354913
Bockrath, R.C.
Differential repair of premutational UV-lesions at tRNA genes in E.coli. 376075
Bocobo, D.
Search for fractional charge on tungsten particles. 351213
Bocola, W.
Considerations on nuclear transmutation for the elimination of actinides. 358470
The pot-vitrification of fully radioactive fuel reprocessing wastes. Planning of hot-cell experiments. 358469
Bocquet, J.-L.
Fundamental aspects of the evolution of, and phase changes in, metals and alloys under irradiation. (CEA-CONF – 4014) 370188
Bocquet, J.P.
Design and working principles of the Lohengrin mass separator for fission products at the high flux reactor in Grenoble. 358320
Experimental beta-decay energies of short-lived light fission products. 375207
Experiments with fission products at the Lohengrin mass separator. 354261
Bodak, O.I.
Roentgenographic and x-ray-spectral study of lanthanum digermanide. 357284
Bodakin, N.E.
Viscosity of the Fe-Ni liquid metal system. 369912
Bodansky, D.
Cross sections relevant to gamma-ray astronomy. (RLO/1388 – 362) 372714
Bodart, F.
Elemental analysis of fertilizer by fast neutron activation. 375228
Boddy, K.
Measurement of neutron fluence in total body in vivo neutron activation analysis. 349191
Bodegom, E.
Non-dissipative liquid helium level detector. 360638
Simple demountable device to fix lambda-tight in rings. 360624
Bodek, A.
Charged current differential distributions in the Caltech-Fermilab γ-experiment. 353931
A measurement of the neutral current coupling in neutrino inclusive reactions. 353932
Normalized small-y cross sections for neutrinos and antineutrinos at high energy. 359333
Rate of dimuon production from neutrinos and antineutrinos at high energy. 366880
Boden, G.
Studies of thermoluminescence from silicate and quartz glasses. (ZfK – 319) 355505
Boden, N.
Reorientation of D_20 in concentrated aqueous solutions of lithium chloride studied by nuclear magnetic relaxation. 375420
Bodenstein, H.
A combination of several procedures for the diagnosis of hematological diseases. (INIS-mf – 4010) 367704
Bodh, R.
Experimental investigations of the power-ramp failure propensity of light-water reactor fuel. 365865
Bodine, G.C. Jr.
Development of A 9 Cr steel with improved strength and toughness. (CONF-770545 – 2) 359898
Bodio, E.
Heat exchange and flow resistance of a Hampson type cryogenic micro-heat-exchanger. 374002
Bodizs, D.
Radioanalysis of water circuit at nuclear power plants. 365853
Bodlund-Ringstroem, B.
A high Luminosity electrostatic spectrometer for conversion electron Moessbauer spectroscopy. (USIP – 77-23) 353400
Bodmer, A.R.
Microscopic descriptions of high-energy heavy-ion collisions. (CONF-770602 – 4) 356576
Relativistic calculation of nuclear matter and the nuclear surface. 369407
Bodmer, M.
Chemistry of feedwater for boiling-water and pressurized-water reactors. 379623
Bodner, S.E.
Enhanced backscatter with a structured laser pulse. 359007, 361616
Experimental studies of the physics of laser fusion. 377542
Some Rayleigh – Taylor stabilizing mechanisms in thin laser targets. (NRL-MR – 3574) 364194
Bodo, E.
Potential barrier parameter systematics for the U, Pu, Am, Cm and Bk isotopes. 377976
Bodozhanov, I.
Search for new short-lived particles in 70 GeV/c proton collisions with nuclei of photoemulsion. 369352
Bodrova, A.S.
Complexing of sulfides and sulfoxides with $Mo(CO)_6$. 369650
Bodrug, S.N.
Eu^{2+} spectra in $KMgF_3$ and $NaMgF_3$ crystals. 375596
Investigation of Zeeman effect in $NaMgF_3$-Eu^{+2} and $KMgF_3$-Eu^{2+} crystals. (INIS-mf – 3955) 377304
Spectra of Sm^{2+} in $KMgF_3$ and $NaMgF_3$ crystals. (INIS-mf – 3955) 378424
Bodyagin, V. A.
Experimental data on diffraction elastic scattering for 17.9 GeV/c α-particle on protons and He, C, Al, Cu nuclei. (JINR-R – 1-10565) 377952
Bodzon, A.
Effect of irradiation on activity of lysosomal acid phosphatase in peripheral blood granulocytes of mice. 367479
Boeck, G.
Concerning the application of high-intensifying X-ray screens from the viewpoint of X-ray protection. 373900
Boeck, H.
Investigations of mineral insulated cables exposed to high temperature and intense gamma radiation. 373334
Boecker, B.B.
Biliary excretion of ^{144}Ce after inhalation of ^{144}Ce citrate in rats and Syrian hamsters. III. (LF – 56) 365442
Biological effects of repeated inhalation exposure of beagle dogs to aerosols of ^{144}Ce in fused aluminosilicate particles. III. (LF – 56) 362716
Inhalation Toxicology Research Institute annual report, October 1, 1975 – September 30, 1976. (LF – 56) 362718, 362729, 362732, 362740, 362742, 362743, 362744, 364853, 364855, 364893, 364896, 364897, 365281, 365326, 365330, 365337, 365338, 365401, 365410, 365411, 365412, 365413, 365414, 365416, 365417, 365418, 365419, 365425, 365426, 365427, 365428, 365429, 365430, 365433, 365434, 365440, 365441, 365442, 365443, 365444, 365445, 365446, 365449, 365450, 365451, 365452, 365458, 365461, 365536, 365553, 365617, 365713, 365719
Inhalation Toxicology Research Institute. Progress report, October 1, 1975 – September 30, 1976. (LF – 56) 362714, 362715, 362716, 362719, 362723, 362726, 362727, 362728, 362737, 362738, 362739, 362741, 362746, 362747, 362748, 362749, 362750, 362755, 362756, 362758, 362759, 362844, 362845, 362846
Nasal carcinomas in beagle dogs after inhalatioon of relatively soluble forms of beta-emitting radionuclides. (LF – 56) 365412
Radiation dose patterns from ^{106}Ru aerosols inhaled by Syrian hamsters. II. Retention and tissue distribution. (LF – 56) 365452
Toxicity of inhaled ^{144}Ce in fused aluminosilicate particles in immature beagle dogs. V. (LF – 56) 365414, 365427, 365428
Toxicity of inhaled $^{144}CeCl_3$ in beagle dogs. X. (LF – 56) 365411
Toxicity of inhaled ^{90}Sr in fused aluminosilicate particles in beagle dogs. VII. (LF – 56) 365458
Toxicity of inhaled $^{90}SrCl_2$ in beagle dogs. X. (LF – 56) 365410
Toxicity of inhaled $^{91}YCl_3$ in beagle dogs. X. (LF – 56) 365449
Toxicity of inhaled alpha-emitting radionuclides: an experimental approach. (LF – 56) 365430
Toxicity of injected $^{137}CsCl$ in beagle dogs. IX. (LF – 56) 365443
Boecker, W.
Method of preparing silicon carbide powders from the gas phase. (AED-Conf – 77-314-004) 370082
Boeckmann, K.
The effect of resonance production on angular correlations. 353935
Inclusive π^0 production in π^+p interactions at 16 GeV/c. 366818

Inclusive production of vector mesons in hadronic interactions. (BONN-HE – 77-7) 375021
Inclusive vector meson production and hadron structure. (BONN-HE – 77-24) 375020
Inclusive vector meson production in hadronic interactions. (BONN-HE – 76-25) 375019
Inclusive yields and transverse spectra of non-strange mesons. 353853
Investigation of diffraction dissociation in single pion production reactions in nucleon-nucleon collisions at 12 GeV/c. (BONN-HE – 75-1) 366881
Spin-parity analysis of the diffractively produced low-mass Nπ systems in the reaction $\pi^+p \rightarrow \pi^+(N\pi)^+$ at 16 GeV/c. 369382
Strange particle production in three- and four-body final states of 16 GeV/c π^+p reactions. 353944
A study of direct and indirect pion production in π^+p interactions at 16 GeV/c. 377804
Study of the reactions $\pi^+p \rightarrow \pi^0\Delta^{++}(1236)$, eta Δ^{++} (1236) and eta'Δ^{++} (1236) at 16 GeV/c. 372526
Total cross sections for charged-current neutrino and antineutrino interactions in BEBC in the energy range 20-200 GeV. 353945

Boeddeker, K.W.
Freshwater production by reverse osmosis. 366122
Reverse osmosis seawater test facility on board NS Otto Hahn. 354321

Boedege, R.
Are the containers used for the transport of fuel elements safe. 376341

Boedy, Z.T.
Low-energy cross section for $^6Li(d,n)^7Be$. 356899

Boeer, K.W.
Sharing the Sun: solar technology in the seventies. Volume 5. 361152

Boegel, W.
Physical quantities related to measurement campaigns for cooling towers. (DFVLR-IB – 553-75/15) 365317

Boegh, E.
Channeling technique in surface studies. 368744
A study of the clean Pt(111) and (110) surfaces by LEED, AES, and high-energy ion scattering. 368745

Boegl, W.
Charge-asymmetry equilibration in the reaction of ^{129} ^{132} ^{136}Xe with ^{197}Au near the interaction barrier. 366989
Investigation of the metabolism of ^{123}I orthohippuric acid (sodium salt) in rats. (STH – 12/77) 357676
Investigations on the metabolism of ^{125}I-orthoiodo-hippuoic acid and ^{75}Se-sodium selenite. (INIS-mf – 4010) 357603

Boehler, R.
Pressure dependence of the thermodynamical Grueneisen parameter of fluids. 360037

Boehlo, D.
The experimental development and performance test of the pneumatic control-rod drive for the THTR. 379587

Boehm-Truitt, M.
Demonstration of activation of B lymphocytes in New Zealand black mice at birth by an immunoradiometric assay for murine IgM. 373674

Boehm, A.
Further evidence for production of electrons with small transverse momenta in pp collisions. 377784

Boehm, B.
Cooling system for a nuclear reactor. (German (F.R.) patent document 2448591/A/) 350130
PWR-type reactor. (German (F.R.) patent document 2521269/A/) 355383

Boehm, F.
An experimental study of the E0, E2 and E4 charge moments of ^{161}Dy using muonic atoms. 369505
Measurements of the energy shifts of the K absorption edge and K X-rays of several uranium compounds. 357392
Nuclear charge parameters and quadrupole moment in ^{105}Pd from muonic X-rays. 372827
Reply to the Comment on "Dependence of the Ta K x-ray energy on the mode of excitation". 358752
Research in nuclear physics at low and intermediate energies, neutrinos, and x-rays. Progress report, April 1976 – May 1977. (CALT – 63-291A) 356531

Boehm, G.G.A.
Comparison of the physical properties of radiation and sulfur-cured poly(butadiene-co-styrene). 378503

Boehm, J.
Inclusive spectra in anti pp interactions at 22.4 GeV/c. 353941
Transverse momenta correlations in annihilations at 5.7 GeV/c. 366885

Boehm, K.
Some properties of very low temperature, pure helium surface layers of degenerate dwarfs. 372128

Boehm, L.
Interpretation of the mechanism of energy transfer from Bi^{3+} to Eu^{3+} in oxide glasses. 362444
Sand filters as high efficiency aerosol filters in nuclear plants. 360493

Boehm, M.
Wave functions for relativistic three particle systems. 356396

Boehm, W.
Strain gages for measuring surface extensions in the circular sections of work pieces. (German (F.R.) patent document 2345309/B/) 376682

Boehme, G.
Safety aspects of the design and layout of cells and equipment in the extended alpha-beta-gamma laboratory at the Karlsruhe Nuclear Research Center. 360676

Boehme, R.
Application of integral transport theory with linearly-anisotropic scattering to the calculation of the neutron distribution in finite plate arrays of fast reactors. (KFK – 2501) 376405

Boehmer, V.
DAtF-KTG-Reactor Meeting 1977 in Mannheim. 355362
Proposal for an experiment at SIN: dosimetry of the πE3 beam: determination of the beam components. (LA-tr – 77-70) 379479
Proposal for an experiment at the SIN: contribution on πE3-beam dosimetry. Measurement of particle spectra after pion absorption in biologically interesting nuclei. (LA-tr – 77-71) 379380
Safety aspects of non-process media supply in a reprocessing plant, illustrated by the example of WAK cooling water supply. 370535

Boehne, D.
Status report of the Unilac. 363163

Boehringer, T.
Amplitudes and exchange mechanisms for K* resonances produced by the reactions $K^+p \rightarrow K^{*+}p$ at 10 GeV/c. 356488

Boelcskei, A.
Comparative study of the ion transport process in a membrane system by quantitative autoradiography, using photoemulsion and plastic track detector. 375597

Boella, G.
Low energy γ-ray observation of NGC4151. 359075

Boelmer, V.
Studies of the retention of aerosols in the Karlsruhe reprocessing plant (WAK). 359841

Boelrijk, N.A.I.M.
Sr isotopic homogenization through whole-rock systems under low-greenschist facies metamorphism in carboniferous pyroclastics at Aljustrel (Southern Portugal). 373417

Boenig, F.H.
Turbomachinery for the gas-turbine high-temperature gas-cooled reactor power plant. (GA-A – 13973) 370948

Boening, K.
The low-temperature thermopower of Frenkel defects in aluminium. 365245

Boenisch, G.
Considerations on a PAHR test facility. (CONF-761001 – P1) 362870

Boer Rookhuizen, H.
A scale model (1:10) of the two-spectrometer arrangement (QDD and QDQ) under construction. (INIS-mf – 4267) 379863

Boer, F.N.W. de
Properties of odd Ag isotopes. (INIS-mf – 4267) 378015

Boer, F.W.N. de
Aligned rotation of octupole-vibrational states in deformed nuclei. 375121
Decay studies of some nuclei around Z = 50: sup(106 m)Ag, sup(103, 119, 121)Cd. (INIS-mf – 3946) 362070
High-spin states and neutron multiplicities after pion capture in ^{181}Ta and ^{209}Bi. (INIS-mf – 4267) 377966
An in-beam Ge(Li)-NaI(Tl) Compton suppression spectrometer. 355502
Investigation of ^{119}In and ^{121}In. (INIS-mf – 4267) 378007
Level structure of ^{156}Gd. (INIS-mf – 4267) 378022
Multipolarities of prompt transitions in ^{156}Dy and spin-parities of the upper band levels. 356716
The search for the tetra neutron. (INIS-mf – 4267) 377977

Boer, G.A. de
Inspection requirements and concepts for LMFBR heat exchangers and pump. A manufacturers view. (IWGFR – 10) 363494

Boer, J. de
Coulomb excitation parameters. 356577

Boer, W. de
Evidence for the F meson. 353947
Measurements of tau decay modes and a precise determination of the mass. 372505
On the origin of inclusive electron events in e^+e^- annihilation between 3.6 and 5.2 GeV. 353772
On the semileptonic decay of charmed hadrons. 356496

Boergen, K.P.
Argon laser coagulation of the isolated mesenteric vessels of the rat. 352029

Boerio, J.
Heat capacity and thermodynamic properties of strontium from 5 to 350 K. 369913
Thermochemistry of uranium compounds. 351539

Boerma, D.O.
A test of the statistical theory. (INIS-mf – 3946) 349150

Boerner, G.
Cosmic gamma radiation. 356192
The importance of gravitational self field effects in binary systems with compact objects. 374583

Boerner, H.G.
High precision measurement and calculation of the hypersatellite $K\alpha_1$sup(h) X-ray energy for Z = 80. 355917

Boerner, H.J.
Intermediate and ultimate storage site for Austria for LWR fuel and reactor core components. 369831

Boerner, P.
Partial and whole-body-clearance of ^{57}Co-bleomycin in patients with collum uteri carcinoma; measurements performed with a mobile whole-body counter. (INIS-mf – 4010) 357654

Boerner, W.
Functional scintigraphy of salivary glands with ^{123}I and sup(99m)TcO_4. (INIS-mf – 4010) 367596

Problems with the determination of TSH-levels and with the TRH-test in routine diagnostic procedures. (INIS-mf - 4010) 370500
Boerngen, F.
UBV-surface photometry of Markarian 190 galaxy. 377590
Boernke, F.
Constructional problems during the erection of the Biblis nuclear power plant. 376507
Cooling towers in the landscape. 365522
Boernsen, P.
Recurrent inspections of welded joints in pipeline systems. 370825
Boerresen, S.
Fuel reliability in light-water reactors. Experience and assessment for the future. 365868
Nuclear fuel performance evaluation. Final report. (EPRI-NP - 409(6-77)) 363436
Boers, A.L.
The effect of thermal vibrations of lattice atoms on the scattering of low energetic ions (2-10keV). (INIS-mf - 4079) 361466
Neutralization and ionization of low energy helium ions scattering from a copper surface. 364142
Quasi single collisions in noble gas ion scattering from single crystals; a new calculational approach. 371661
Boersma, H.J.
Relativistic effects in deuteron alignment in πD scattering. 375073
The single-scattering contribution to πD elastic scattering at low and intermediate energies. 362052
Boersma, M.D.
Development of an integrated facility for processing TRU solid wastes at the Savannah River Plant. (DP-MS - 77-74) 374403
Boesgaard, A.M.
Decay of light elements in stellar envelopes. 369035
Boessow, E.
Determination of protein in starch products by means of 14-MeV neutron activation analysis. (GKSS - 77/E/36) 364863
Boesten, L.G.J.
Collisions between charged particles (electrons or protons) and atomic, molecular and ionic gas targets, ch. 1. (INIS-mf - 4171) 369393
Experiments on threshold ionization of neon atoms and diatomic molecules by electron impact, ch. 2. (INIS-mf - 4171) 369394
Ionization of atoms or ions by electron or proton impact; calculations with the classical three-body theory. ch. 3. (INIS-mf - 4171) 369395
Boettcher, A.
Calculation of temperature fields resulting from buried high-level radioactive waste. (SAAS - 220) 366086
Boettcher, H.
The effect of resonance production on angular correlations. 353935
Spin and lifetime of the Ω^- hyperon. 372517
Boetter-Jensen, L.
External radiation exposure associated with uranium/thorium mineralization on the Kvanefjeld Plateau, Greenland. (RISO-M - 1989) 373890
Towards an automated reader for thermoluminescence dating. (INIS-mf - 4037) 358346
Boettger, E.
Scintigraphic diagnosis of a primary liver cell carcinoma using a new radiopharmaceutical. 376184
Boettiger, H.
Who works with nuclear fusion technology. 361135
Boeut, A.
Dynamical neutron diffraction by curved crystals in the Laue geometry. 371551
Boev, S.G.
Nonisothermal relaxation of exthernal electric fields of ceramic dielectrics irradiated by electrons. 373330
Boeva, M.K.
Interaction in triple systems of neodymium nitrate, water and nitrates of trimethylammonium and tetramethylammonium. 351472
Reaction of neodymium nitrate with nitrates of hydrazine and quinoline in aqueous solutions. 375421
Boeving, E.
Experimental investigation of 2s-vacancy production in 0.3-300-keV N^0/Ne^+-Ne collisions. 376960
Boffi, S.
Green function approach to single particle states in nuclei. 356578
Nuclear optical model potential. 356578, 356584, 356601, 356607, 356613, 356614, 356625, 356641, 356642, 356704
Boffi, V.C.
Anisotropy of scattering and fission in neutron transport theory. 374113
Bofilias, I.
Adaptable digital filters in scintigraphy. (INIS-mf - 4010) 363598
Problems of loss of image quality of gamma camera scintiscans due to digital display; solutions without increase of computer capacity. (INIS-mf - 4010) 363572
Bogachev, G.A.
Comparison of some models of neutron thermalysation in heterogeneous three-zone cell. (IAE - 2471) 350105
Bogachev, I.N.
Dispersion hardening of high-manganese iron alloys alloyed with niobium and vanadium. 367232
Influence of residual austenite stability on the properties of maraging steels. 369914
Magnetic rearrangements and martensite transformations in Fe-Mn alloys. 349446
Properties of high-strength stainless cavitation-resistant Cr-Ni-Mn base steels. 375888
Studying hardening and structural transformations of steel 110G13 during friction. 373163
Thermal cycling treatment of steel OKh13N and Okh13AN7. 375818
Bogacheva, A.L.
Preparation and investigation of protonated pyrocatecholmethylene-iminodiacetates of cerium subgroup rare earths. 349239
Synthesis and investigation into protonated of rare earth pyrocatecholmethyleneiminodiacetates of yttrium subgroup. 351507
Bogacheva, G.N.
Heat treatment effect on welded joint structure of 22Kh3M steel. 375819
Bogachuk, L.S.
Synthesis of ^{13}C-labelled monomeric forms of ethoxyethyl-α-cyanacrylate and some methane halogen derivatives. 351533
Bogacz, B.F.
Investigation of thickness dependences of Moessbauer absorption and scattering lines. 371559
Bogaert, F. van den
Inclusive V^0 production in anti pp interactions at 12 GeV/c. 353939
Bogancs, J.
Determination of boron range distribution in ion-implanted silicon by the $^{10}B(n, \alpha)\ ^7Li$ reaction. 364900
Boganova, A.N.
Some aspects of analysis of high purity copper. 372909
Bogard, D.D.
The origin and relative abundances of C, N and the noble gases on the terrestrial planets and in meteorites. 369036
Bogart, S.L.
Fusion power and the potential lithium requirement. (USGS - 1005) 364173
Bogatin, V.I.
Angular correlations of low-energy charged particles in nuclear disintegrations by high-energy protons. (JINR - 1-8830) 369356
Inelastic scattering of high energy particles with light nuclei and cluster structure of nuclei. 375155
Bogatov, L.V.
Morphological and biochemical blood changes in cows chronically exposed to strontium-90. 349792
Bogatyrev, G.P.
Taurine content of tissues of irradiated rats. 370336
Bogatyrev, M.Ya.
Ionization detector. (Soviet patent document 464924/A/) 352824
Bogatyrev, V.A.
Forming of low-resistant n-layers on p-InSb by pulse laser radiation. 371567
Bogdalin, V.G.
Differential cross section mesurement of elastically scattered 8,0 and 9,0 MeV protons by some isobars and isotopes of mean atomic weight. (KFTI - 75-15) 362108
Bogdanets, A.D.
Experimental facility with an isothermal plasma pulse generator for investigations of MHD flow. 372316
Bogdanov, A.V.
Angular distribution and mechanisms of direct atom-molecule reactions. (INIS-mf - 3915) 348673
Continual representation for the scattering amplitude and semiclassical approximation in the theory of direct atom-molecule collisions. (INIS-mf - 3915) 348650
Device for measuring charged particles fluxes. (Soviet patent document 351465/A/) 377591
On some problems of study on solar wind on the "Prognoz" satellites. 376660
Bogdanov, D.D.
Delayed particle emission in the β^+ decay of ^{116}Cs and ^{118}Cs. 362040
Ion source with surface ionization for a mass separator on a heavy ion beam. 371155
Bogdanov, E.P.
Kinetic theory of beam instability in periodic systems. 358862
Bogdanov, G.A.
Investigation of NH_4VO_3 and H_2O_2 reaction products. 351505
Bogdanov, G.F.
Stability of collisional plasma. (IAE - 2367) 353521
Bogdanov, K.M.
Changes in the dynamics of water metabolism in the rabbit organism as a function of external γ-radiation dose. 352042
Bogdanov, N.V.
Investigation of alkyl phosphoric acids as substoichiometric reagents for determination of hafnium with radiometric methods. 359546
Bogdanov, O.S.
Measurement of beam losses and nonuniformity of electroconducting coating of an acceleration tube of an induction linear accelerator. 370739
Bogdanov, S.D.
Characteristics of peripheral and center collisions of nuclei at energies of 0.1-1 GeV/nucleon . 362041
Bogdanov, V.M.
Controlled nanosecond delay circuit with small null and dead times. 376696
Bogdanova, A.N.
Structure of Marignac's salt. 357056
Bogdanova, D.D.
Popularities of electron transfer of Cd, Hg, Ga, In, Tl, Sn, Pb, Sb, Bi in their binary dilute liquid alloys. 349493
Bogdanova, E.A.
On radiation diffusion of vacancies in aluminium oxide. 373335

Bogdanova, I.P.
Determination of cross sections of helium-ion charge exchange on cadmium atoms. (INIS-mf – 3915) 348651
Bogdanova, L.N.
Narrow levels in the spectrum of quasinuclear bound and resonance B anti B states. 366826
Bogdanovich, P.O.
Application of the method of configuration superposition in calculations of rare-earth ion spectra. 348700
On the numerical solution of the Hartree-Fock-Jucys equations. 376977
Radial integrals for each state of rare earth ions. Dependence of relative arrangement of terms on coordination sphere radius and type of ligands. (INIS-mf – 3955) 361424
Theoretical investigation of the energy spectra of the oxygen isoelectronic sequences taking into account relativistic corrections. 376978
Bogdanska, M.
Some properties of slag and its influence upon insulation and electrodes materials of MHD-generator. 374988
Bogdanski, M.
Experimental study of the double charge exchange reaction $\pi sup(+)+{}_2^4He \rightarrow \pi sup(-)+4p$ between 1.5 and 2.0GeV/c. 362063
The reaction anti pp→anti ΛΛ between 1.5 and 2.0 GeV/c. 377808
The reaction antiproton-proton $\rightarrow 3\pi sup(-)\pi sup(+)$ between 1.09 and 1.44 GeV/c and the effect of ππ phase shifts. 369372
Bogdzel', A.A.
Fast-response fission ionization chamber with ^{235}U radiators. 358347
Bogen, J.
Intermediate and ultimate storage site for Austria for LWR fuel and reactor core components. 369831
Bogen, P.
Detection of atomic hydrogen by resonance fluorescence. (INIS-mf – 3963) 371757
Bogen, R.A.
Indicial tensor manipulation on MACSYMA. 353044
Bogensberger, H.G.
Analysis of LMFBR overpower accidents, including fission gas effects in the predisassembly and disassembly phase. (CONF-761001 – P3) 365523
Bogert, D.V.
Ratio of neutral-current to charged-current cross sections for inclusive neutrino interactions in hydrogen. 351220
Boggy, R.
Spin relaxation of optically pumped cesium through collisional modification of the hyperfine interaction. 353241, 377012
Bogner, G.
Superconducting magnet coil. 367915
Bogodarov, Yu.A.
Use of thoron for air tightness control of film-made articles. 357884
Bogolubsky, I.L.
Dynamics of the collisions of two space dimensional pulsons in phi^4 field theory. 355729
Some examples of inelastic soliton interaction. 371758
Bogolyubskij, S.D.
Specific features of technology for producing large sheets of low-carbon corrosion resistant 03Kh21N21M4GB steel. 375802
Thermodynamic analysis of intergranular corrosion of austenite steels. 349366
Bogomol, I.V.
Strength and gas-abrasive wear-resistance of zirconium carbide based cerments. 375933
Bogomolny, E.B.
Large order calculations in gauge theories. 361247
Bogomolov, A.G.
Cooling of superconducting magnetic systems. (KFTI – 75-33) 352918
Bogomolov, C.S.
The determination of nuclear charges by the method of grain counting in heavy particles tracks. 360061
A study of recording possibilities of emulsions in autoradiography conditions. 368276
Bogomolov, K.S.
Relativistic nuclear photographic emulsion for multilayer piles. 350291
Bogomolov, N.S.
Conductivity type variation in epitaxial films of cadmium sulfide and cadmium selenide. 361471
Effect of activator distribution on conductivity of epitaxial layers of CdSe. 378261
Bogomolov, N.V.
Photography system for the "Ludmila" facility. Tape transport mechanism, gas panel and control electronics. (JINR – 13-9710) 376608
Bogomolova, G.A.
Crystal field on rare earth ions in garnet crystals. (INIS-mf – 3955) 362163
Luminescent-generation properties of Nd^{3+} ions in $YGaO_3$ and $Y_3Ga_5O_{12}$ crystals with garnet structure. (INIS-mf – 3955) 362164
Bogorosh, A.T.
Effect of carbon dioxide injection on the scale formation process. 349969
Bogoslovskij, V.V.
Effect of ph value of solution on electrodeposition of ruthenium structure of electrolytic ruthenium films. 357077
Bogoyavlenskij, A.F.
On chemical composition of enamel-like anodic niobium oxide. 349204
Boguslavskij, V.B.
Behaviour of active corrosion products in a system of boiling water power channel type reactor of a single-circuit NPP. 379676
Boguslavsky, I.V.
Charge asymmetry at large psub(T) in inelastic anti pp reactions at 22.4 GeV/c. 353943
Multiplicities and forward-backward correlations in anti pp interactions at 22.4 GeV/c. 366882
Boguslawski, P.
Interaction of high-energy phonons with conduction electrons in small-gap semiconductors. 356376
Boguta, J.
Relativistic calculation of nuclear matter and the nuclear surface. 369407
Thomas Fermi model of finite nuclei. 361962
Bohachevsky, I.O.
Sputtering erosion of fusion reactor cavity walls. (LA – 6633-MS) 364174
Thermonuclear fusion device LIME. 377353
Bohannon, G.E.
Neutron-proton bremsstrahlung: One-pion-exchange current. 351269
Bohdansky, J.
Erosion of iron and nickel based alloys by mono- and multi-energetic light ion bombardment in the energy range from 0.1 – 8 KeV. 370137
Light-ion sputtering yields for molybdenum and gold at low energies. 366320
Bohdziewicz, A.
Dependence of the Ginzburg-Landau parameter K on the thickness of thin cylindrical superconducting indium films near ultralow temperature. 364440
Bohet, J.
The enthalpy of solution of body-centred tetragonal protactinium metal. 373016
Preparation and structure studies of 'Van Arkel' protactinium. 378567
Bohgard, M.
Particle-induced X-ray emission: a useful analytical method. 369550
Bohl, W.R.
Large-scale deterministic computer code systems and LMFBR safety: a perspective. (CONF-761001 – P3) 365623
SAS4A LMFBR accident analysis code system: a progress report. (CONF-761001 – P3) 365548
Bohlin, R.C.
Survey of interstellar molecular hydrogen. I. 351074
Bohm, A.
Hyperon magnetic moments in SU(3). (ORO – 3992-316) 372366
Spectrum-generating SU(4) in particle physics. II. Electromagnetic decays of vector mesons. (ORO – 3992-317) 372367
Bohm, C.
A high Luminosity electrostatic spectrometer for conversion electron Moessbauer spectroscopy. (USIP – 77-23) 353400
Bohm, G.J.
Nuclear plant seismic analysis for multicountry application. 352195
Bohm, H.
The role of large research establishments in constructing plants for the disposal of nuclear waste. 355648
Bohn, E.M.
Experimental studies of GCFR safety physics parameters in the ZPR-9 critical assemblies. (CONF-761001 – P2) 362867
Bohn, H.
$^{12}C + {}^{18}O \rightarrow {}^{8}Be + {}^{22}Ne$ reaction. (RLO/1388 – 362) 372707
Back-angle anomalies in ^{6}Li scattering from ^{40}Ca and ^{44}Ca. 359461
Isomeric quasiparticle states in ^{174}Hf. (RLO/1388 – 362) 372715
Observation of gross structures in the gamma ray yields following the $^{16}O + {}^{12}C$ reaction. (RLO/1388 – 362) 372706
Bohn, H.H.
Further measurements of $^{16}O + {}^{28}Si$ elastic scattering at tandem energies. (RLO/1388 – 362) 372830
Bohn, M.P.
FRACAS: a subcode for the analysis of fuel pellet-cladding mechanical interaction. (TREE-NUREG – 1028) 358176
Bohn, T.
Comparison of short-term and long-term power generation costs in nuclear and coal-fired power stations. 371218
Multipurpose nuclear process heat for energy supply in less-industrialized countries. 352520
Bohnenstingl, J.
Cryogenic separation of krypton and xenon from dissolver off-gas. 358471
Bohner, J.
Sources of error in the determination of protein-bound radioiodine using ion exchange resins. (INIS-mf – 4010) 369526
Bohning, D.E.
Particle deposition in a hollow cast of the human tracheobronchial tree. 365475
Bohr, A.
Rotational motion in nuclei. 359382, 377867
Bohr, E.
The design of operating procedures manuals for nuclear power plants. 355360
Bohr, H.
Hadron production from a boiling quark soup. 353769
High psub(transverse)-jet structure and tunneling effects in quark pair production by dual-string splitting. (NBI-HE – 78-3) 377709
Inclusive yields and transverse spectra of non-strange mesons. 353853
Bohres, E.W.
Preparation, infrared spectra and X-ray studies of the

tetraformates of thorium, protactinium, uranium, and neptunium. 349321
Bohun, A.
Method of phosphate glass production. (Czechoslovak patent document 156843/B/) 371079
Boiko, V.A.
The analysis of satellites to the H-like ion resonance lines observed in the X-ray region. 356193
The observation of intercombination lines $1s3p\ ^3P_1 \rightarrow 1s^2\ ^1S_0$ of multicharged He-like ions in laser-produced plasmas. 358917
X-ray spectroscopy of multiply-charged ions from laser plasmas. 368921
Bois, R.
Measurement of fission neutron spectra of the U^{235} and U^{238} fission induced by 0.6 and 7 MeV neutrons. (INIS-mf – 3896) 356710
Radiative capture cross section measurements for fast neutrons using a large Gd-loaded liquid scintillator. 374322
Boissel, P.
Accessory for the electron probe microanalysis of thin samples. 355517
Boissin, J.C.
Cryopumps for Tokamak nuclear fusion reactors. 358918
Boisson, J.P.
The classical limit S-matrix and orbital dynamics in semi-classical Coulomb excitation theory. 377889
Boisson, M.
Climb model of extended dislocations in f.c.c. metals. 357415
Boiteux, M.
The French electro-nuclear programme. 366223
Boiti, A.
Automatical analysis of gamma-ray and charged-particle complex spectra from solid state detectors. 380146
Bojarczuk, N.A.
Electron-trapping characteristics of W in SiO_2. 351915
Bojarsky, E.
Current status of experimental and theoretical work on sodium/fuel interaction (SFI) at Karlsruhe 'simulation experiments'. (PNC-N – 251-76-12(vol.1)) 349890
Effects of fuel-sodium interaction in TOP tests with electrically heated fuel pins. (CONF-761001 – P4) 362871
Bojchinova, E.S.
Investigation of dependence of ion-exchange properties of modified zirconium phosphate on quality of initial oxozirconium nitrate. 351480
Bojkin, N.I.
Preparation of textured layers of ferroelectric materials by means of high-frequency spraying technique. 364968
Bojko, B.A.
Dynamical properties of ordered monoatomic silicon films on the (100) face of tungsten. 355959
Surface lattice dynamic properties of the tungsten (100) face. 357250
Bojko, D.A.
Radiation method of measurement of radial gaps in between motor crank mechanism joints. 363085
Bojko, G.N.
NMR investigation of amine complexes of aluminium borohydride. 359586
Temperature dependence of $Al(BH_4)_3 \times O(C_2H_5)_2$ NMR spectra and quadrupole relaxation of boron and aluminium nuclei. 354322
Temperature dependence of $Sc(BH_4)_3x2C_4H_8O$ PMR spectra and quadrupole relaxation of boron- and scandium nuclei. 378220
Bojko, V.A.
Electron linear accelerator for a cutted microtron. 360707
Laser-produced dense plasma diagnostics based on spectra of hydrogen-like and helium-like multicharged ions. 348869
Split microtron as an injection for the Pakhra synchrotron. 357929
Bojko, V.I.
Peculiarities of electron radiography of materials with microcracks. 376266
Bojko, V.S.
Mathematical modeling of linear and surface defects. 355960
Mathematical modelling of a mixed dislocation core. (KFTI – 74-47) 353406
Bojovicj, T.
Determination of the degree of contamination of water measuring fields of gamma radiation by various types of portable detectors. 371160
Bok, B.
Automatic measurement of radio-isotope uptake in the organs by numeric scintigraphy (applied to the thyroid). 360390
Bokemeyer, H.
Coulomb excitation of deformed nuclei using very heavy ions. (ZfK – 336) 364750
Doppler shift measurement of differential K-vacancy production cross sections in heavy collision systems. 353255, 377022
Positron production in superheavy ion-atom collision systems. 376966
Recoil distance investigation of yrast states in ^{158}Dy. (ZfK – 336) 364749
A search for positron emission from atomic collision processes. (ZfK – 336) 364737
Bokerman, G.N.
Radiation-curable mercaptoalkyl vinyl polydiorganosiloxanes, method of coating there with and coated article. (US patent document 4,052,529/A/) 373039
Bokharee, S.A.
Proton resonance spectroscopy in ^{61}Cu and ^{63}Cu and correlation studies of primary γ-rays in S-wave resonance proton capture. 372716
Bokhenkov, E.L.
Inelastic incoherent neutron scattering spectra at different temperatures and computer experiment for external phonon modes of naphthalene crystals. 371568
Bokhenkov, Eh.L.
Determination of the density of phonon states in a naphthalene crystal based on incoherent neutron inelastic scattering. 366394
Bokov, V.A.
Dynamical transformations of cylindrical magnetic domains during translation motion. 363963
Bokov, V.L.
Continuation of the "Gamma-telscope" experiment on the "Kosmos 731". 356187
Boksenberg, A.
Absorption systems in high redshift QSOs. 366668
Confirmation of the highest redshift QSO candidates from the Tololo deep survey. 356319
Bokshtejn, S.Z.
Nickel intermetallic compound sprayed in vacuum. 369915
Oxidation and interaction with nickel directed eutectics Ni_3Al-Ni_3Nb and Ni(Cr)/Ni_3Al-Ni_3Nb protecting coatings. 373247
Boku, Ryukei
Moessbauer absorption spectra of ^{119}Sn in single crystals of $(CH_3)_2SnF_2$ and $(CH_3)_2SnCl_2$. 348830
Bol, D.
Glory undulations in the total cross section and small angle differential cross section for Ar-Kr. 358708, 376971
Bol, K.
Free-expansion experiment on ATC. 371878
Bol', G.E.
Effect of nature and filling degree of organic adsorbate on kinetics of electrode processes. 357036
Bol'shakov, A.V.
Analysis of two basic methods for neutron identification according to detector-current pulse shape. (IAE – 2466) 350292
Bol'shakov, B.V.
Study of role of methyl radicals in γ-radiolysis of crystalline acetic acid at 77°K. 365041
Bol'shakova, N.I.
Radiation stability of polymeric materials on polyamide 12 base. 362284
Bol'shakova, N.K.
Infrared absorption spectra and structure of neutral and acidic selenites of aluminium, gallium and indium. 359677
Reaction of aluminium selenites with alkali metal selenites in hydrothermal conditions. 365000
Bol'shov, L.A.
Lagrange description of plasma THETA-pinch flute drift instability. 377354
Bol'shova, T.A.
Application of extraction chromatography to separation of indium from antimony and some other elements. 364839
Study of polarographic behaviour of indium, cadmium, lead and zinc in solutions saturated by tridecylamine. 378392
Use of tridecylamine for extraction-chromatographic separation of indium, cadmium, zinc, iron and lead. 378086
Bol'shukhin, V.A.
On the electronic excitation of laser materials with high concentration of rare earth activators. (INIS-mf – 3955) 361425
Spectral-kinetic investigation of cathodoluminescence of rare earth oxysulfides. (INIS-mf – 3955) 362148
Boland, B.C.
Reflector studies for pulsed neutron moderators. (RL – 77-140/A) 377835
Bolck, M.
A basis for applying hypoxic hypoxia for optimizing radiotherapy. Information based on animal tests. 379032
Boldeman, J.W.
Calculation of the fission cross section for ^{233}U and the interpretation of fragment anisotropy and fine structure in anti vsub(p) and anti Esub(k). (INIS-mf – 3896) 356571
Fine structure in the neutron emission from ^{252}Cf spontaneous fission fragments. (INIS-mf – 3896) 356717
High resolution neutron transmission and capture for ^{91}Zr. 356842
Reconciliation of measurements of anti ν/sub p/ for neutron-induced fission of uranium-235. 372717
Boldetti, A.
Analysis of the $\omega\pi^-$ system produced in the reaction $\pi^-p \rightarrow \pi^-\pi^-\pi^+\pi^0p$ at 11.2 GeV/c. 353965
Cross-sections and multiplicity distributions for π sup(-)p interactions at 11.2 GeV/c. 369278
Study of $A_2^- \rightarrow$etaπsup(-) in the reaction πsup(-)p→πsup(-)πsup(-)πsup(+)πdegp at 11.2 GeV/c. 369279
Boldog, J.J.
Hydrothermal synthesis of complicated aluminium ortho-phosphates. 378275
Boldt, E.
Cgy X-1 x-ray panel summary. (CONF-7510169 –) 364284
OSO-8 GSFC results on Cen X-3. (CONF-7510169 –) 364411
OSO-8 X-ray observations of AM Herculis. 359168
OSO-8 x-ray observations of AM Hersoulis. (N – 77-27050) 377656
X-ray signatures: new time scales and spectral features. (N – 77 – 18988) 350985
Boldt, E.A.
Absence of detectable X rays from supercluster candidate 4UO134-11. 356304
A1540-53, an eclipsing x-ray binary pulsator. (N – 77-24025) 361669
The case for a burst from 3UO614+09. 372283
Cosmic x-ray observations with OSO-8. (CONF-7510169 –) 364404

Early light curve of A0620-00. (CONF-7510169 –) 364349
Evidence for a 17d periodicity from Cyg X-3. (CONF-7510169 –) 364340
Her X-1 spectral evidence for a strong magnetic field. (CONF-7510169 –) 364285
High resolution measurements of Cyg X-1 from rockets. (CONF-7510169 –) 364397
Long-term x-ray studies of Sco X-1. (CONF-7510169 –) 364342
New results from long-term observations of Cyg X-1. (CONF-7510169 –) 364341
Observation program for the GSFC cosmic x-ray spectroscopy experiment. (CONF-7510169 –) 364279
OSO-8 observations of Hercules X-1. (CONF-7510169 –) 364394
Spectral characteristics of 3U1915-05, a burst source candidate. (N – 77-24026) 361670
X-ray spectra of Hercules X-1. 1. Iron line fluorescence from a subrelativistic shell. (N – 77-19962) 361727
X-ray spectra of Hercules X-1. 2. Intrinsic beam. (N – 77-19963) 361728
X-ray spectra of Hercules X-1. II. The pulse. 359150

Boldyrev, A.I.
Ab initio calculations of potential surfaces and geometry of non-rigid molecules. 356996

Boldyrev, V.V.
On mechanism of uranyl acetate decomposition. 359728
Studying mechanism of mechanochemical decomposition of solid inorganic compounds. 378423

Bolesta, I.M.
Effect of some factors on luminescent properties of cadmium iodide crystals. 348818
Luminescent properties of CdJ_2 single crystals. 355961

Boley, F.
Optical identification of A0620-00. (CONF-7510169 –) 364434

Boley, S.J.
Scintigraphic diagnosis of ischemic intestine with /sup 99m/Tc sulfur colloid-labeled leukocytes. 367613

Bolger, J.E.
Energy dependence of π^+ induced two- and four-nucleon removal. 369510

Bolin, F.P.
Use of ^{153}Gd in tissue analysis. 356973

Bollinger, L.M.
Ultra-short pulses of heavy ions. 360713

Bollini, C.G.
On the gauge field of magnetic monopoles. (PUC-TN – 16/76) 350478

Bollini, E.
Phase shift analysis of the elastic scattering of pions on ^4He. (JINR-R – 4-10598) 375202

Bolmsjoe, M.G.
Trapping and re-use system for radioactive xenon in nuclear medicine. 375625

Bologov, V.F.
"APROX" – least square fit program for experimental data processing and performing of mathematical experiments on measurement of the system geometry. (ITEF – 7(1975)) 374536

Bolonkin, B.V.
π^- C^{12} interaction followed by neutral particle production at 40 GeV/c. (ITEF – 6) 353933
Study of $\pi^- p \rightarrow K_1{}^0 K_1{}^0 n$ reaction at 50 GeV/c momentum. 369357

Bolotin, H.H.
Lifetimes of excited states in ^{50}V. 372776
Properties of the lowest T = 2 state in ^{24}Mg. 356781

Bolotin, Yu I. Belov V.M.
Quality control of welds using acoustic emission testing in the process of electron beam welding. 349380

Bolotin, Yu.L.
Hartree-Fock method with effective interaction depended on density and self-consistency conditions. 375112
On the nucleon association theory in light nuclei. (KFTI – 75-25) 356565

Bolotov, B.B.
Electron-optical system of a slow electron spectrometer. 376603

Bolotov, V.N.
Study on antiproton-proton charge-exchange at 18 and 40 GeV/C. (JINR-D – 1,2-9342) 356494

Bolotov, V.V.
The annihilation process of radiation-produced vacancies and interstitials. 370138
Electron irradiation and annealing of Ge < Si > alloy. 348769
On radiation defects in p-type germanium induced by irradiation at elevated temperatures. 374681

Bolshakova, A.S.
Determination of fluorine trace amounts in metallic uranium. 354297

Bolsokhoeva, N.E.
Investigating cavitation and cavitation-fatigue strength of alloys and metals at high-frequency loading. (INIS-mf – 3914) 349367

Bolstad, J.W.
Analysis of Standard Problem 2 with the TRAC-1D Code. 352196
TRAC: a new code for LOCA analysis. (LA-UR – 77-1700) 352285

Bolsterli, M.
Interaction of isovector scalar mesons with simple sources. 372368

Bolt, B.A.
Underground nuclear explosions and earthquakes. 360669

Bolt, H.M.
Incubation of ^{14}C-trichloroethylene vapor with rat liver microsomes: uptake of radioactivity and covalent protein binding of metabolites. 352155

Bolt, P.R.
Proposals for in-service inspection and monitoring of selected components located within or part of the primary containment of sodium cooled fast reactors. (IWGFR – 10) 363411

Bolt, S.E.
Pressure vessel fracture studies pertaining to a PWR LOCA-ECC thermal shock: experiments TSE-3 and TSE-4 and update of TSE-1 and TSE-2 analysis. (ORNL/NUREG – 22) 373796
Thermal shock studies associated with injection of emergency core coolant in pressurized water reactors. (CONF-770807 – 29) 357745

Bolt, W.
Incubation of ^{14}C-trichloroethylene vapor with rat liver microsomes: uptake of radioactivity and covalent protein binding of metabolites. 352155

Bolta, J.M.
A search for collective pion production in 2 GeV/Nucleon heavy ion reactions. (LUIP – 7708) 354711

Boltax, A.
Analytical comparison of the irradiation behavior of fast reactor carbide and oxide fuel pins. 379796
Stress effect on the void swelling incubation period. 357433
Void swelling and irradiation creep relationships. 360062

Boltneva, L.I.
Global contamination by ^{137}Cs, ^{90}Sr and doses of external irradiation on the territory of the USSR. 376146
Global pollution of the Soviet Union and the external exposure doses for ^{137}Cs and ^{80}Sr. 360529

Bolton, C.J.
Preliminary microstructural examination of high and low ductility type 316 creep rupture specimens. (CEGB-RD/B/N – 3991) 357251

Bolton, C.T.
Optical observations of HDE226868 = Cygnus X-1: a review. (CONF-7510169 –) 364286

Bolton, J.G.
The Parkes 2700 MHz survey (Thirteenth part). 361731
Spectra of southern radio sources. 366669

Boltwood, M.F.
Radiography source inadvertently exposed in workshop. 365502

Bolvanov, Yu.A.
The NAP-M proton storage. 363164

Bolz, J.
Magnetic properties of superconducting tin-europium-molybdenum sulfides. 351733

Bolzinger, T.
Velocity dependence of the Penning and rearrangement ionization cross sections of H_2 molecules by He (2^3S) and He (2^1S) atoms. 353239

Bom, G.
Optical system of the RISK facility (design). (JINR – 13-8550) 361016

Bomar, E.S.
Radiological environmental assessment of the recycle of LMFBR advanced fuels. (CONF-771008 – 5) 373872

Bomelburg, H.J.
Estimation of gas leak rates through very small orifices and channels. (BNWL – 2223) 357836
Requirements for a helium-cooled blanket heat removal system development facility for fusion reactor research. (BNWL – 2301) 366636

Bomko, V.A.
Accelerating system of an ion linear accelerator. (Soviet patent document 434900/A/) 355171

Bommannavar, A.S.
Moessbauer studies of spin flucluations in Znsub(0.4)Fesub(2.6)Osub(4). 366395

Bona, P.
A lattice model with metastable states. 376895
A quantum spin model with unstable stationary states. 366923

Bonaccorso, A.
A direct determination of the density matrix in a nuclear system. 372585

Bonalumi, R.A.
Homogenized-cell diffusion parameters from transport codes. 360760

Bonamy, J.
Overlapping effects and motional narrowing in molecular band shapes: Application to the Q branch of HDa). 368613

Bonamy, L.
Overlapping effects and motional narrowing in molecular band shapes: Application to the Q branch of HDa). 368613

Bonani, G.
Comments on the reported discovery of primordial superheavy elements. 378184
Z-dependence of the position of MO X-ray anisotropy peaks. 377123

Bonazzola, L.
Pairwise trapping of radicals in γirradiated malonic acid single crystals. 365042

Bonbright, D.I.
The four-body reaction $^6Li(p,p\alpha)np$ as a probe of the cluster structure of ^6Listar. 351335

Bonch-Bruevich, A.M.
Light inelastic scattering and transitions of colliding atoms into bound molecular state. 361336

Bonch-Bruevich, V.A.
Spectral-kinetic investigations of luminescence of bivalent samarium in MeF_2(Me = Ca, Sr, Be) crystals. (INIS-mf – 3955) 362165

Bonch-Osmolovskij, A.G.
Device for production and acceleration of an electron ring with ions. (Soviet patent document 416909/A/) 355172
On increasing the intensity of the proton beam accelerated in the JINR synchrophasotron. (JINR-R - 9-9120) 355169
Bonchev, Tsv.
An empirical method of quantitative analysis in depth-selective ME-spectroscopy. 369527
Bonczek, R.H.
Computerized planning system for nuclear power plant evaluation. (PB - 267663) 363423
Bond, G.C.
Proceedings of the sixth international congress on catalysis, Imperial College, London, 12-16 July, 1976. Vol. 1. 367066, 367074, 367086, 367138, 367858, 369775
Bond, G.W.
Licensing, construction completion, and fuel loading of Millstone Unit No. 2. 358221
Bond, J.E.
Determination of R-function and physical-state parameters for n-^{4}He elastic scattering below 21 MeV. 354049
Bond, P.D.
Energy dependence of $^{32}S + ^{24}Mg$ fusion cross sections. (ANL - 77-60) 378023
Experimental evidence of multistep processes in the $^{74}Ge(^{18}O,^{16}O)^{76}Ge$ and $^{76}Ge(^{16}O,^{18}O)^{74}Ge$ reactions. 351336
Researches with the tandem and the synchrotron. Chapter 1. (CEA-N - 1959) 354158
Bond, R.
Break-up densities of nuclear fireballs. 361963
Bond, R.T.
Station modification during plant startup and operation. 358158
Bond, V.P.
Biological implications of radiation. (BNL - 22938) 357591
Particle induced visual phenomena in space. 360539
Bond, W.H.
Volume reduction system for solid and liquid TRU waste from the nuclear fuel cycle: April - June 1977. (MLM - 2463) 380019
Bondar, L.
On the neutron multiplication problem in the passive neutron assay of plutonium bearing materials. (EUR - 5675) 359347
Bondar', A.V.
Electrofield effect in NMR of antiferromagnetic $CoCl_2$. 350712
Bondar', I.A.
Radiationless losses from sup(4)Fsub(3/2) metastable state of Nd^{3+} in lanthanum pentaphosphate crystals. (INIS-mf - 3955) 362166
Study of the effect of anomalously weak quenching of Nd^{3+} ion luminescence in Lasub(1-x) Ndsub(x) P_5O_{14} crystals. 374600
Bondar', V.V.
Studying the effect of content redistribution of uranium, thorium, potassium in rocks on the summary intensity of gamma radiation. 349611
Bondar's, V.V.
Semi-automatic logarithmic converter of logs. 362570
Bondarchuk, Eh.N.
Poloidal field shaping in the "T-10" facility. (INIS-mf - 3954) 361503
Electromagnetic system of the "Tokamak-10M" experimental thermonuclear facility. (INIS-mf - 3954) 361504
Mathematical modelling of equilibrium plasma configurations and power supply regimes in tokamak typer facilities. (INIS-mf - 3954) 361501
Poloidal field shaping in the "Tokamak-20" facility. (INIS-mf - 3954) 361502
Bondarenko, A.M.
Electrospark machining of boronized layer. (INIS-mf - 4046) 369878
Bondarenko, E.A.
Metallography preparation of niobium tape for grain orientation determination from electron microscopy imaaes. (INIS-mf - 3839) 365172
The probability of vanadium hydrogenation in the course of metallographic preparation. (INIS-mf - 3839) 365139
To the problem of powder objects preparation for electron microscopy study. (INIS-mf - 3839) 367072
Bondarenko, G.B.
Direct muon production in proton-nucleus collisions at 70, 50 and 35 GeV. 353942
Longitudinal polarization measurements on direct muons produced in proton-nucleus collisions. 353925
Production of π and k-mesons with high transverse momentum by protons on Cu and Be nuclei at 35, 50 and 70 GeV. 356477
Results on search for the intermediate W boson in the proton-nucleus collisions of the energy of 70 GeV. 375056
Bondarenko, G.P.
Investigation of optical active centres of the irradiated lithium niobate. 359786
Bondarenko, K.P.
Automatic small angle X-ray diffractometer. (Soviet patent document 415560/A/) 355108
Bondarenko, N.F.
Superconductivity of fast condensed films. 377693
Bondarenko, N.M.
Spectral-time analysis of modulation of poured out electrons and VLF-radiation on data obtained by the Interkosmos-5 satellite. 376046
Bondarenko, N.T.
Determination of yields of gaseous products of carbohydrates radiolysis by mass spectrometry method. 378519
Bondarenko, P.A.
Automatic device for film processing. 350367
Bondarenko, R.A.
A study of inelastic pion-nucleus interactions at 200 GeV/c in an emulsion. 356481
Bondarenko, S.I.
On the temperature of superconducting transition in indium-tin alloy films. 373223
Preparation method and properties of Nb-Ge superconducting films. 369990
Bondarenko, V.G.
Scintillation coordinate-sensitive detector with a high time resolution. 358348
Bondarenko, V.I.
Research program for superconducting current element for the "T-10M" facility. (INIS-mf - 3954) 361505
Bondarenko, V.M.
Economic efficiency of geophysical methods for production control in the Anastasievsko-Troitskoe oil and gas field. 354675
Bondarenko, V.N.
Helium desorption from tungsten foils irradiated by He^+. (KFTI - 74-47) 353496
Bondarenko, V.P.
Installation for measuring electrophysical properties of thin films. 357295
Bondarenko, V.V.
Monitoring the reactivity of highly undercritical reactors by means of reactimeters and the source analog correction. 358090
Bondarev, A.D.
Photoluminescence of $Bi_{12}SiO_{20}$ monocrystals doped with neodymium. 374672
Bondarev, G.N.
Identification and quantitative determination of gammaphos metabolites in mice urine. 360261
Bondarev, V.S.
Cooled trap. (KFTI - 75-10) 355150
Bondarev, Yu.M.
Catalytic activity of hydrides of nickel based alloys in hexene-1 transformations. 349257
Mechanism of isomerization of hexene-1 on transition metal hydrides. 369665
Bondarevskij, S.I.
On the possibility of Moessbauer emission spectroscopy application for studying reactivity of hydrated electron. 362228
Radiochemical separation of tellurium-129 for inner-conversion electron spectroscopy. 357087
Bondarevskij, V.S.
Mechanical chopper-monochromator with replaceable rotors. 376331
Bonde, S.L.
A radiotracer study of the kinetics of ion exchange reaction, RI + Isup(*-) reversible RIsup(*)+ I^-. 375543
Bondelid, R.O.
Application of the three-body model to the reactions $^6Li(^3He,t\ ^3He)^3He$ and $^6Li(^3He,^3He^3He)^3H$. 351288
Bondeson, A.
Effect of growth-rate modulation on the nonlinear mode coupling between stable and unstable plasma waves. 366492
Influence of random inhomogeneities on parametric interactions. 356085
Bondietti, E.A.
Field and laboratory observations on plutonium oxidation states. (BNWL - 2117) 369733
Bondina, G.I.
On the metal resistance to microplastic deformations. 370052
Bondouk, I.I.
An experimental investigation of the reactions $^9Be(d,\alpha_0)^7Li$ and $^9Be(d,\alpha_1)^7Li$ in the deuteron energy range 0.9-2.5 Mev. 356718
Boneh, Y.
Two dimensional plasma simulation code. (NRCN - 438) 374526
Bonetti, S.
Search for strangeness changing neutral currents induced by neutrinos in GARGAMELLE. 361875
Strange particle production by antineutrinos. 356505
Study of quasi-elastic reactions of ν and antineutrino in Gargamelle. 369268
Bonetto, O.J.
The radioisotope production laboratory of the Argentine National Atomic Energy Commission. 360422
Boneu, A.
Influence of calcium heparinate on the radiation-induced regression of metastatic cervical adenocarcinomas. Methodological approaches and preliminary results. 379050
Bonfand, E.
A 1m^2 gamma ray spark chamber telescope for the energy range 10-100 MeV. 379929
Bongardt, K.
Calculation of baryon sum rules and SU(4) mass formulae for mesons and baryons. (INIS-mf - 4210) 375022
Bongartz, K.
Improvement of a method for predicting failure rates of coated particles during irradiation. 365906
Bongartz, R.
Results of critical evaluation of the AIPA study. 370970
Bonham, R.A.
Approximate bounds for the total inelastic cross section differential with respect to detector solid angle in the first Born approximation of electron scattering. 368614
Compton defect: is there a shift in the Compton peak. 371515
Electron-helium absolute total scattering cross sections from 1eV to 200eV by a new time-of-flight method. 353283
Investigation of atomic and molecular electronic structure by use of the (e,e') reaction. 372718

Bonhomme, M.
Radiogenic argon in glauconites as a function of mineral recrystallization. 378871
Bonifacic, M.
Free radical oxidation of organic sulphur compounds. 357131
Bonilla, C.F.
Experimental vapor pressure and critical point of sodium. (CONF-760503 – P2) 352722
High temperature properties of nuclear reactor coolants and thermodynamic power cycle working fluids. Progress report, December 1, 1976 – October 30, 1977. (COO – 3027-30) 378221
Bonilla, I.
Study of the transitions in $K_4Fe(CN)_6.3H_2O$. (INIS-mf – 4127) 363968
Bonino, G.
Small changes in the atmospheric electric field from extensive air showers. 365318
Bonjour, E.
Irradiation of pyrolytic graphite at liquid helium temperature by electron beams. 370132
Bonka, H.
Comparing radiation exposure due to emissions from conventional power plants and nuclear facilities. 370608
Radiation exposure in the neighbourhood of reprocessing plants in normal operation. 369838
Radioactive effluents and present and future radiation exposure of the population from nuclear facilities in the Federal Republic of Germany. 367751
Bonmartin, J.
The Mark II Nancay radioheliograph. 372129
Bonneaud, G.
Strange particle production by antineutrinos. 356505
Study of neutrino proton elastic scattering in the 'Gargamelle' freon experiment. 377821
Bonner, B.E.
^{6}Li(n,d)^{5}He and ^{7}Li(n,d)^{6}He with 56.3 MeV neutrons. 351337
nD scattering at 180° for neutron energies from 200 to 800 MeV. (LA-UR – 77-1938) 361876, 369358
Neutron-proton differential cross section measurements at 25.8 and 50.0 MeV. 359509
Bonner, R.F.
The effects of charge exchange collisions on the motion of ions in three-dimensional quadrupole electric fields. II. 361337
Bonner, W.A.
Novel non-Pb flux system for the preparation of yttrium and rare earth iron gallium and aluminum garnets. 360008
Polarized electrons and the origin of optical activity. 371465
Bonner, W.F.
Recent calcination and vitrification process accomplishments. 358493
Bonnet, F.
A spectrometer for gaseous studies in the soft X-ray range. 371151
Bonnet, J.-J.
A spectrometer for gaseous studies in the soft X-ray range. 371151
Bonnet, J.E.
Recovery of low-temperature electron-irradiated lutetium. 354607
Bonnevie-Svendsen, M.
Studies on the incorporation of spent ion exchange resins from nuclear power plants into bitumen and cement. 358472
Bonniaud, R.
Confinement of radioactivity in glass. 358490
Current developments in continuous vitrification of fission product solutions. 358487
Bonnor, W.B.
A rotating dust cloud in general relativity. 350479
Szekeres's space-time have no killing vectors. 353668
Bono, M.R.
Electron in cold alcohols: a pulse radiolysis study in ethanol. 359777
Bonora, L.
Spectral properties of positive operators and j plane singularities of multiperipheral dynamics. 361248
Bonse, U.
Measurement of the coherent neutron scattering length of ^{3}He by neutron interferometry. 362075
Bontand, E.
An acceleration evaluation of the performance of the Soviet-French wide-gap spark chamber for gamma-ray astronomy. 368266
Bontemps, R.
Scintigraphic diagnosis of ischemic intestine with /sup 99m/Tc sulfur colloid-labeled leukocytes. 367613
Bonzon, L.L.
Container damage correlation with impact velocity and target hardness. 350007
Radiation signature folowing the hypothesized LOCA. (SAND – 76-0740) 362872
Special closures for steel drum shipping containers. 350005
Special tests of plutonium shipping containers. 350006
Synergistic effects and source term considerations associated with Class IE LOCA qualification testing. (SAND – 77-1713C) 379221
Boody, F.P.
Direct nuclear pumped laser approaching feedback laser fusion needs. (COO – 2007-87) 361612
Book, D.L.
Theoretical studies of the formation and adiabatic compression of reversed-field configurations in imploding liners. 371759
Book, S.A.
Influence of age and mode of radioiodine exposure on thyroidal radiologic dose. 370640
Booker, G.R.
Structural and electrical profiles for double damage layers in ion-implanted silicon. 350775
Use of silicon linear photodiode arrays for detection of high-energy electrons. 374333
Booker, M.K.
Analytical description of the effects of melting practice and heat treatment on the creep properties of a 2 1/4 Cr-1 Mo steel. (CONF-771120 – 16) 373164
Influence of laboratory annealing on tensile properties and design stress intensity limits for Type 304 stainless steel. (CONF-771120 – 17) 373270
Overview of the U.S. programs on properties of primary circuit materials. (CONF-771052 – 2) 371012
Bookhout, T.A.
Simulation model of tritium kinetics in a freshwater marsh. 370285
Bookmyer, B.B.
UBVRI light curves of RW Tauri. 372130
Boom, I.
Complex spectroscopic investigations of double molybdates of Ksub(5)Ndsub(1-x)Bisub(x)(MoOsub(4))sub(4)composition. (INIS-mf – 3955) 378302
Boom, R.
Heat of formation of solid and liquid alloys of transition metals. 357307
Boom, R.W.
Free convection heat transfer to supercritical helium. 360594
High current power leads for tokamak fusion reactor superconducting magnets. (GA-A – 14503) 350957
Superconducting magnet development for tokamaks and mirrors: a technical assessment. (DOE/ET – 0016) 377466
Boon, M.
Group theoretical methods in physics. Fourth international colloquium, Nijmegen 1975. 353036, 353082, 353093, 353157, 353773, 353791, 353813, 353825, 363822
Boone, D.H.
The electron beam coating of turbine components and ion plating. 377165
Boone, J.S.
Radwaste system operating experience: Brunswick Steam Electric Plant. 357825
Boorn, H. van den
Irradiation induced creep experiments in the BR2 reactor using the resonant cavity method. 360066
Boos, A.
Short range order in binary melts and binary solid solubilities. 374683
Short range order of Mg-Cd-alloys during the transition from the solid to the molten state. 374682
Boos, E.G.
Charge asymmetry at large psub(T) in inelastic anti pp reactions at 22.4 GeV/c. 353943
Multiplicities and forward-backward correlations in anti pp interactions at 22.4 GeV/c. 366882
Single-particle inclusive spectra of charged particles in anti- pp-interactions at 22.4 GeV/c. (JINR-E – 1-9781) 377787
Boos, Eh.G.
Angular distributions of secondary particles from proton-nucleus interactions at 400 GeV/c. 375065
Boos, J.Y.
Electrochemical and crystallographic aspects of the corrosion of austenitic stainless steels in concentrated hot soda solutions. 354555
Boot, S.J.
The calibration of neutron instruments and dosimeters at intermediate energies. 379895
Booth, L.A.
Commercial application of laser fusion. (IAEA – 200) 353522
Commercial applications of inertial confinement fusion. (LA – 6838-MS) 348889
Fusion energy applied to synthetic fuel production: a report to the DOE Division of Magnetic Fusion Energy based on a preliminary study by an ad-hoc advisory group. (CONF-770593 –) 378222
Booth, L.F.
Radiation exposures to United States diplomatic couriers. 370641
Booth, R.
A compact beryllium target for production of fast neutrons. 355196
Rotating target neutron generators. 355173
Booth, R.J.
Radiation damage produced with synchrotron radiation. 365043
Booth, R.S.
Health physics aspects of fusion power. (ORNL – 5171) 367565
Limits on neutral hydrogen in the direction of PHL 957. 356211
Saturation effects in OH maser clouds. 356210
Bootsma, D.
Induction of sister chromatid exchanges in xeroderma pigmentosum cells after exposure to ultraviolet light. 354754
Booz, J.
Studies of X- and gamma-ray energy transfer to biological model structures. (Juel – 1412) 358360
Boozer, A.H.
Neoclassical current in a toroidally-confined multispecies plasma. (PPPL – 1409) 377428
Poloidal rotation damping on pure toroidal magnetic field lines. (PPPL-EPRI – 6) 361598
Boozer, D.D.
Insider safeguards effectiveness model (ISEM). User's guide.

(SAND – 77-0043) 380113
Use of ISEM in studying the impact of guard tactics on facility safeguards system effectiveness. (SAND – 77-0410C) 363727
Bopp, B.W.
20 Leonis: a triple system with a delta Scuti variable. 361695
Bopp, F.W.
Leading zone distributions and the height of the spectrum in Regge regions. 356397
Bor, S.
Nitriding of Fe – V alloys. 357350
Bora, T.
Sulphoxide compounds of ruthenium. 369600
Borak, F.
Scaled thermal hydraulic simulation of open lattice PWR cores: a scoping study. Final report, Task B. (EPRI-NP – 296) 374223
Borak, T.B.
Dose-effect relationships for fife shortening, tumorigenesis, and systemic injuries in mice irradiated with fission neutron or ^{60}Co gamma radiation. 354765
Boram, W.R.
Recombination in Saccharomyces cerevisiae: a DNA repair mutation associated with elevated mitotic gene conversion. 349717
Boranic, M.
Distribution of ^{51}Cr labeled leukemia cells in mice: Comparison with representative normal cells. 373586
Boratav, M.
A study of πsup(+), πsup(-) and proton production in pp interactions at 69 GeV/c. 361867
Boratto, F.J.M.
Deformation processes in refractory metals. (ORO – 3262-54) 362373
Borbej, I.
On model-independent spectroscopic information from direct reactions of nucleon transfer: spectroscopic factor or vertex constant. 369468
Borbely, I.
Rational-fraction approximations for continuation of the differential cross-section into the nonphysical region. 353770
Borcea, C.
Proton scattering on ^{238}U and the probable isobaric analogue resonances. 356579
Resonances analog to parent states in continuum. 356707
Borchert, G.L.
Shifts in xenon K X-ray energies following electron-capture beta decay and the role of nuclear hyperfine structure. 356719
Borchert, H.R.
Underestimation of radiation exposure from Am-Be neutron probes by film badges. 365636
Borchi, E.
Kondo effect from excited crystal-field levels in La/sub 1-x/Pr/sub x/Sn_3 compounds: Electrical resistivity. 359899
Magnetic susceptibility of the singlet ground-state system (LaPr)Sn_3. 367233
Bord, D.J.
Optical observations of WRA 977 (3U 1223-62). (CONF-7510169 –) 364287
Bordag, L.A.
Two-dimensional solitons of the Kadomtsev-Petviashvili equation and their interaction. 356137
Borde, C.J.
Frequency stabilization of argon lasers at 582.49 THz using saturated absorption in $^{127}I_2$. 353210
Bordenave-Montesquieu, D.
Experimental device for the study of elastic and inelastic diffusion at high-energy He^+-He collisions. 366048
Borderie, B.
3.5 MeV triton activation for elements with Z<34. 356932
Borders, J.A.
Combined transmission electron microscope and ion channeling study of metastable metal alloys formed by ion implantation. 371580
Use of ^{12}C(d,p)^{13}C and ^{16}O(d,p)^{17}O reactions. (SAND – 77-0366C) 351433
Bordovitsyn, V.A.
Floating orbit method in the synchrotron radiation theory. 350056
Bordovskij, O.K.
Isotope ratio of carbon in lipids of the zooplankton from the Kuril-Kamchatka region of the Pacific Ocean. 349776
Borduin, L.
Controlled air incineration. (SAND – 77-1178) 374404
Borejko, V.F.
Integrated coincidence circuits. 358411
Boreli, F.
Ecological aspects of tritium behaviour in the environment. 370422
Borello-Lewin, T.
Study of the reaction ^{91}Zr (d,p)^{92}Zr. 354159
Testing of the energy stability and reproducibility of the ion beam produced by the 'tandem' accelerator of USP (University of Sao Paulo, Brazil). 354144
Boreskov, K.G.
Description of np<pn and anti pp→antinn processes in the theory of complex moments. (ITEF – 30(1974)) 366827
Photoproduction of J/psi mesons in the peripheral model. Diffraction mechanism. 369269
Boretz, J.E.
Low cost dynamic energy conversion systems. 373939
Borg, C.R.
Investigation of the growth rate for joint fast breeder reactor and light water reactor operation. (COO – 4116-3) 365975
Borg, I.Y.
Movement of radioactivity deposited underground at the U.S. ERDA Nevada Test Site. (UCRL – 78670) 349617, 352869
Borg, K. van der
Giant resonances in light nuclei. (INIS-mf – 4267) 377978
The QMG/2 magnetic spectrograph and its focal plane detector. (INIS-mf – 4267) 379877
Borg, N.J.C.M. van der
Cross section library DOSCROS77 (in the SAND-II format). (ECN – 25) 351428
Borg, R.C.
Impact of delays in plutonium use on the stationary growth rate of fast breeder reactor fuel. (COO/4116 – 1) 365967
Investigation of accuracy and computation time of a hierarchy of growth rate definitions. (COO – 4116-2) 365984
Transitory fuel growth rates for fast breeder reactors. 360987
Borges Fuentes, O.L.
Genetic resources in Musa bananas and improvement of their disease resistance. 376159
Borggreen, J.
Island of high spin isomers near N = 82. (ZfK – 336) 364811
Island of high-spin isomers near N = 82. 367001
Borggreven, J.M.P.M.
A quantitative radiochemical study of ionic and molecular transport in bovine dental enamel. 373587
Borgia, B.
J/psi production and high-mass electron-pair limit in pp collisions at square-roots=52 GeV. 364461
Borgonovi, G.M.
Resource utilization of symbiotic HTGR systems. 352670
Borgstedt, H.U.
Corrosion resistance of vanadium and vanadium alloys as structural materials in a lithium cooled fusion reactor. 354462
Liquid alkali metal cooling and heat transfer agent of high purity. (German (F.R.) patent document 1601196/B/) 351674
Borichenko, N.
Effect of 2, 4, 5-T on photosynthesis and ^{14}C-assimilates transport. 367472
Boriev, I.A.
Scavenging of localized and quasifree electrons in liquid hydrocarbons (extended abstract). 362247
Thermal emission of excess electrons from liquid hydrocarbons. 362246
Borimskaya, S.T.
Neutron irradiation effect on the primary recrystallization of deformed aluminium monocrystals. (KFTI – 75-35) 354616
Borisenko, A.I.
Angular distributions of secondary particles from proton-nucleus interactions at 400 GeV/c. 375065
Search for correlations between production of high energy helium nuclei and generation of shower particles. 369359
Borisenko, V.A.
The general regularities in temperature dependent changes of the mechanical properties of heat-resisting materials. 354497
Thermally activated plastic deformation in dispersion-hardened molybdenum alloys. 378598
Borisenko, V.O.
Temperature dependences of tungsten and molybdenum strength. 375820
Borisenko, Yu.N.
Charge in adhesion properties of thin films following 10 MeV electron irradiation. 349585
Determination of limesonte quality by x-ray radiometric method using "BRA-6" apparatus. 349156
A device for exploration of the quarry slopes by a selective gamma-gamma technique. 357446
Studies of adhesion properties in proton-irradiated silver films. (KFTI – 74-47) 354605
Borisenkow, O.N.
Method and device for measuring dynamic characteristic data of materials. (German (F.R.) patent document 2348000/C/) 367994
Borisevich, V.A.
Radiative characteristics of the UGU-200 multichamber gamma-unit. 349933
Borishchak, O.A.
Surfactant complexes of metal-organic compounds – anion type and their use in polarography. (INIS-mf – 4192) 375379
Boriskina, N.G.
Electrochemical properties of titanium-ruthenium alloys in the processes of anodic synthesis. 378411
Borisov, A.A.
Drift chamber with multiwire signal element and long drift distance. 358349
Borisov, A.E.
Transport-overcharge container for radioactive sources. (Soviet patent document 473465/A/) 379461
Borisov, A.M.
Measurement of cross section of atom inner shell ionization by 150-500 kev protons. (INIS-mf – 3915) 348726
Borisov, A.N.
The effect of visible radiation and an electric field on ferromagnetic resonance and photoconductivity in $CdCr_2Se_4$. 364106
Borisov, A.P.
Efficiency of nuclear-geophysical methods application when prospecting for rare earth phosphorites, fluorospar manifestations. 376000
Borisov, B.A.
Radioactivation method for determination of small amounts of carbon in fluorophosphate glasses. 378093

Borisov, D.G.
Electron power pulsed accelerators for national economy. (INIS-mf – 4194) 376355
Borisov, E.A.
Determination of radiation-chemical yield of product in dynamic conditions of heterogeneous radiolysis. 373064
Sputtering of thin layers of triuranium octoxide under the action of fission fragments for small radiation doses. 358861
Borisov, N.S.
Measurement of the polarization correlation coefficient in elastic pp scattering at 610 MeV. 369360
Borisov, S.A.
On the possibility of using a nuclear reactor for synthesis of fluorinated organic compounds. 351644
Borisov, S.V.
Crystal structure of $NH_4Er_3F_{10}$, the four-layer cationic skeleton of "fluorite" type. 367112
Borisov, V.L.
Study on the nucleon component by means of a transportable supermonitor. 357552
Borisov, V.P.
Metabolizm and acceleration of excretion of the inhaled americium-241. 357614
Borisov, Yu.A.
Influence of cerium and niobium small additions on hot plasticity of the Kh25t steel. 370044
Virial-statistic method for calculation of atom and molecule energies. 378223
Virial-statistical method for calculation of energies of atoms and molecules. 356997
Borisov, Yu.S.
The problem of selection of plasma spraying conditions. 349423
Borisova, E.A.
Filler wire for welding of high-tensile titanium alloys. 369864
Borisova, L.A.
Investigation of materials and structures for electronic engineering. 349249
Borisova, L.B.
Test body system in the field of plane gravitational waves. 361249, 361329
Borisova, N.N.
Main stages of secondary boundary formation during liquid phase crystallization. 378694
Borisova, V.V.
Quantitative regularities of the injury and repair of MNS system of rats exposed to single and continuous external γ-irradiations. 370377
Borka, S.
Behaviour of multisection superconducting solenoids. (JINR – 13-8963) 349988
Borkowski, C.J.
Recent improvements to RC-line encoded position-sensitive proportional counters. (CONF-771077 – 5) 379864
Borkowski, T.
Incorporation of [^{32}P] orthophosphate into histones of chick embryo brain and liver. 354874
Bormann, R.
Superconducting properties of powder metallurgically produced Cu-Nb_3Sn composite wires. 370109
Born, E.
α-irradiation of the ion exchanger zirconium phosphate by loading it with Li6 and subsequent (n,α) reaction. 375940
Born, G.S.
Effects of altered thyroid states on cesium-137 accumulation in the liver of rats. 370403
Born, H.-J.
Activation analysis and radiochemistry, comments to their interrelations. 369528
Born, H.J.
Investigation of the changes in the extraction properties of TBP and TBP-Levextrel after intensive γ-irradiation. 369847
Bornand, M.
Accurate determination of the ^{3}He-dp and ^{3}He-d*p coupling constants. 351303
Bornand, M.P.
Coupling constants for several light nuclei from a dispersion analysis of nucleon and deuteron scattering amplitudes. 372586
Dispersion analysis of nucleon scattering by light nuclei. 377762
Bornatici, M.
Nonlinear dynamics of runaway electrons and their interaction with tokamak liners. 364221
Parametric excitation in lower hybrid heating of a two-ion species plasma. (INIS-mf – 3963) 371760
Bornemisza-Pauspertl, P.
Fast neutron induced 12$^-$ isomeric state of ^{206}Tl. (ZfK – 336) 364828
Bornstein, A.
Fluorescence of Er^{3+} doped $La_2S_3.3Ga_2S_3$ glasses. 368693
Borod'ko, Yu.G.
Magnetic properties of molybdenum halides on polymeric carriers. 378293
Borodin, A.M.
Nuclear interactions of cosmic rays with the Mars atmosphere and rocks according to data of the Mars-5 space vehicle. 356327
Borodin, V.A.
Nuclear magnetic resonance investigation of spin reorientation phase transitions in Yttrium-Terbium ferrite garnets. 355962
Study of the process of surface alloying of nickel alloys with tanthalum using contact or noncontact technigue. 357296
Study on spin-reorientation phase transformation in samarium ferrite garnet by static and NMR methods. 350713
Borodin, V.N.
Determination of acidity and basicity of solid catalysts by inverse titration using organic solvents. 375422
Borodina, N.P.
Diffusion coefficients of uranyl ions in mixed chloride-fluoride salt mixtures. 378472
Borodkina, M.M.
Niobium band texture. 349447
Borodovskij, P.A.
Three-beam instability in a shock-ionized n-InSb plasma. 374684
Borog, V.V.
Inelastic interaction of muons with Fe nuclei at small Q^2 in the energy range above 200 GeV. 375066
Study on nuclear interaction cross-section of muons in cosmic rays. 362042
Borojevic, K.
Studies on resistance to Puccinia recondita tritici in wheat population after mutagenic treatments. 373703
Borovich, L.N.
Photoluminescent properties and optical gain of CdS, CdSe monocrystals excited by electron beam. 348770
Borovik, A.A.
Facility for study on electrons energy losses spectra by the intersecting beams method. (INIS-mf – 3915) 350293
Borovikov, A.P.
Interaction between an oscillating rigid wall and ^{3}He – ^{4}He solution. 368746
Borovikov, V.M.
The NAP-M proton storage. 379481
Borovinskaya, I.P.
Combustion of transition metals in hydrogen. 357009
Self-spreading processes of solid solutions formation in zirconium-nitrogen system. 359587
Borovko, E.V.
Test particle in a weak gravitational wave. 350482
Test particle in the Taub's space. 350483
On the curvature tensor of a gravitational field with plane symmetry. 350481
Possible action on a gravitational field. 350480
Borovlev, S.P.
Analysis of neutron level density. (INIS-mf – 3897) 356570
Borovoj, A.A.
Scintillation-detector background due to cosmic radiation. (IAE – 2595) 350294
Borovushkin, I.V.
Protective coating effect on the workability of joints produced by welding in carbon dioxide. 349386
Borra, E.F.
High-resolution polarization observations inside spectral lines of magnetic Ap stars. I. Instrumentation and observations of β Coronae Borealis. 359056
Borrass, K.
Diffusive tokamak equilibria, generalized bootstrap currents and the relation between particle diffusion and magnetic field diffusion. (IPP – 6/155) 353523
Borrel, P.M.
Deactivation of singlet molecular oxygen $O_2(^1\Delta sub(g))$, by oxygen. 353196
Borrell, P.
Deactivation of singlet molecular oxygen $O_2(^1\Delta sub(g))$, by oxygen. 353196
Borroni, P.
Some noble metals and copper content of Italian meteorites as determined by destructive neutron activation analysis. 372855
Borsch, P.
Benefits and risks of nuclear power. (Juel-Conf – 17(3.rev.ed.)) 360420
Salzbourg 1977. 355711
Borschers, R.R.
Detection system for charged particles produced by neutrons. 379854
Borse, G.J.
Angular-momentum-projected yrast levels from a coherent phonon state. 351270
Borsese, A.
Advances on thermochemistry of rare earths alloys. 357252
Heats of formation of dysprosium-bismuth alloys. 354499
Heats of formation of neodymium-antimony alloys. 354498
Borshchevskij, A.S.
Entropy of melting of $A^2B^4C_2^5$ semiconductors melting according to the type semiconductor-semiconductor. 348771
X-ray study of electronic structure of the $A^2B^4C_2^5$ and A^3B^5 type semiconductor phosphides. 374719
Borsos, T.
^{125}I Protein A: applications to the quantitative determination of fluid phase and cell-bound IgG. 367702
Borst, A.
Calculation of radioimmunoassay standard curves. 365470
Borst, W.L.
Excitation of the $^3D^0_3$ metastable state in mercury by electron impact. 350579
Velocity dependence of O(^{3}S) production in collisions between metastable oxygen atoms and various gas targets. 358798
Bortignon, P.F.
The spectral-distribution method in the space of M-bosons. 358635
Bortin, M.M.
Graft-versus-leukemia, donor selection for adoptive immunotherapy in mice. 370320

Bortlik, J.
Heat supply reliability of nuclear source in heating system. (INIS-mf – 4055) 368131
Bortnikov, A.V.
Design and physical principles of the finger-ring T-12 Tokamak with two axisymmetrical diverters. (ORNL-tr – 4530) 377355
Physical principles and design of the T-9 tokamak. (IAE – 2443) 364175
Vertical plasma stability in the T-12 finger-ring tokamak with two poloidal divertors. (INIS-mf – 3963) 371761
Bortnikova, T.P.
Interaction of components in quaternary mutual system of chlorides and sulfates of lithium, sodium and cesium. 362143
Borukhovich, A.S.
On raising of the Curie temperature of the EuO magnetic semiconductor. 374685
Boruta, I.I.
On the numerical solution of the Hartree-Fock-Jucys equations. 376977
Radial integrals for each state of rare earth ions. Dependence of relative arrangement of terms on coordination sphere radius and type of ligands. (INIS-mf – 3955) 361424
Theoretical investigation of the energy spectra of the oxygen isoelectronic sequences taking into account relativistic corrections. 376978
Borys, J.
Radioactive contamination of some arable soils in the Lower Silesia in 1972. 354651
Borysowicz, J.
Core polarization in inelastic scattering. 359435
The mass dependence of the spin-orbit splitting in the A = 176-208 mass region. 377883
Borza, A.
Investigation of the accuracy that can be obtained in the thermal neutron flux determination. 356532
Borzakov, S.B.
Spin dependence of the total neutron cross section of ^{169}Tm and ^{141}Pr in the neutron energy range up to 100 keV. (JINR-R – 3-10835) 377954
Borzakov, Yu.D.
Mass-spectrometric facility with a high-aperture-ratio ion source for studies on active particles. 358455
Borzenko, V.L.
Study of the acceleration of thin metal foils acted on by high-power laser emission. (IAEA – 200) 353518
Borzenkova, M.P.
Study of ternary system of KF-BeF_2-DyF_3. 378202
Borzeszkowski, H.H.
Remarks on Khalatnikov-Lifshits type theorems. 350484
Borzileri, C.
Relaxation of neodymium in a weakly ionized expanding plasma. (UCRL – 79953) 366513
Borzone, G.
Advances on thermochemistry of rare earths alloys. 357252
Heats of formation of dysprosium-bismuth alloys. 354499
Borzov, I.N.
Giant multiple resonances. 375162
Borzova, L.D.
Cesium hydroxoplatinate. 351494
Borzuchowska, A.
Experimental salmonellosis after exposure to radiation. 373516
Borzunov, N.G.
Energy resolution of semiconductor detectors with variable bias. 350327
Borzunov, Y.T.
Device for determination of mechanical properties of foils in a wide temperature range. (JINR – 8-9175) 357906
Borzym, K.
The determination of traces of rare earths in other rare earths by atomic absorption with electrothermal atomization and by d.c. arc emission spectrography. 351438
Bos, A.
Activation analysis for medical purposes. (INIS-mf – 4267) 378177
Bos, E.M.
Remark on off-shell effects in πD cross-sections at intermediate energies. 354176
Bos, K.
Determination of atomic masses from experimental data. (INIS-mf – 4174) 369469
1977 atomic mass evaluation in four parts part I. Atomic mass table. 351243
1977 atomic mass evaluation in four parts part II. Nuclear-reaction and separation energies. 351244
1977 atomic mass evaluation in four parts part III. Systematics of separation and decay energies. 351233
Bos, M.R.E.
The osmotic pressure of ^{3}He-^{4}He mixtures along the phase separation curve. 353733
Bosch, A.
Modified scintigraphic technique for the dynamic study of the esophagus. 373588
Bosch, R. van den
Applied research with the Eindhoven A.V.F. cyclotron. (INIS-mf – 4267) 378152
Boschitz, E.
The comparison of π^+ and π^- elastic scattering from ^{16}O, ^{40}Ca and ^{208}Pb. (ISN – 77-36) 359449
The elastic and inelastic π^+ and π^- scattering from complex nuclei. (ISN – 77-31) 369459
Systematic study of the energy dependence of the elastic π^+-^{16}O scattering in the region of the (3,3) resonance. (ISN – 77-37) 362032
Boschung, A.F.
Reaction of singlet oxygen with 4-methyl-2,3-dihydro-γ-pyrans. 378264
Bose, A.
Combinatorial computation of atomic terms for equivalent electrons. 371466
Bose, A.K.
Combinatorial computation of atomic terms for equivalent electrons. 371466
Bose, Monisha
Polymorphism in rare earth phosphates. 366396
Bose, S.
Preliminary studies on the mitotic irregularities in onion (Allium cepa L.) after single and combined treatments with dimethyl sulfoxide and X-rays. 367473
Bose, T.K.
Metabolism of ^{3}H-testosterone in epididymis and accessory glands of reproduction in the castrate hamster Mesocricetus auratus. 367615
Boseman, J.
DTPA research at the University of Utah. 354857
Boseman, J.J.
Removal of systemically absorbed ^{109}Cd in mice using a combination of chelating agents. (COO – 119-252) 373589
Bosetti, P.
Strange particle production in three- and four-body final states of 16 GeV/c π^+p reactions. 353944
Bosetti, P.C.
Neutrino induced μ^-e^+ events and the charm hypothesis. 375067
Total cross sections for charged-current neutrino and antineutrino interactions in BEBC in the energy range 20-200 GeV. 353945
Bosholm, J.
Effects on the activity level in the primary circuit water coolant of pressurized water reactors by continuous purification of partial streams. 365879
On the deposition of cobalt ions on surfaces of austenitic steels in the presence of some anions. 372951
Bosio, C.
Amplification and discrimination of signals from proportional multiwire chambers. (ISS-T – 76-6) 366030
Bosler, G.E.
TRIDENT: a new triangular mesh discrete ordinates code. (LA-UR – 77-2511) 377535
12G: code for conversion of isotope-ordered cross-section libraries into group-ordered cross-section libraries. (LA – 6950-MS) 365797
Bosma, K.P.
The preferred direction of the magnetization in Gadolinium as a function of temperature and hydrostatic pressure. (INIS-mf – 4267) 378599
Bosman, J.J.
Spin assignments in low-energy neutron-capture reactions using polarized neutrons and oriented target nuclei. 377979
Bosman, M.
Measurement and MIA analysis of the neutron differential cross section and polarization in the α-D break-up at 33 MeV c.m. 354230
Neutron beam facility at the Louvain-la-Neuve isochronous cyclotron; cross sections for fast neutron production. 379484
Boss, Eh.G.
One-particle inclusive spectra of charged particles in the PP interactions at 22,4 GeV/C. (JINR-D – 1,2-9342) 356495
Bossart, R.
SPS beam instrumentation and closed orbit correction. 363165
Bossche Van, M.
Angular distribution measurement of the reaction $\alpha p \rightarrow {}^3$He d at 3.98 GeV/c. 354147
Bossche, A. van den
Reduction of tritium-containing aqueous waste from a large reprocessing plant. 369841
Bossche, M. van den
^{3}He production in ^{4}He fragmentation on protons at 6.85 GeV/c. 354154
Bosser, J.
SPS beam instrumentation and closed orbit correction. 363165
Bossus, A.
Solid-phase enzyme immunoassay or radioimmunoassay for the detection of immune complexes based on their recognition by conglutinin: conglutinin-binding test. 354921
Bossuyt, A.
The effect of enzymatic degradation of the RIA of oxytocin. (INIS-mf – 4010) 370459
Bossuyt, C.P.
The effect of enzymatic degradation of the RIA of oxytocin. (INIS-mf – 4010) 370459
Bostandzhyan, N.Kh.
Study on some reasons for track displacement in a spark chamber. 358329
Bosten, F.
Expert opinions on the plant. 376564
Bostick, W.
The plasma focus as a large fluence neutron source. 353659
Bostick, W.H.
Pinch effect revisited. 366505
Bostrom, C.O.
The Low-Energy Charged Particle (LECP) experiment on the Voyager Spacecraft. 374927
Low-energy particle observations in the quiet dayside cusp from AE-C and AE-D. 367436

Boswell, R.W.
Generation of whistler-mode radiation by parametric decay of Bernstein waves. 350808
Boswinkel, H.H.
Integral boiling phenomena under radial temperature gradients in a twelve rod bundle of LMFBR geometry. (CONF-761001 – P4) 362873
Botha, A.H.
New multidisciplinary separated-sector cyclotron facility. 363166
South Africa gets an accelerator centre. 363167
Botha, D.W.S.
The behavior of potassium in the blast furnace deduced from isotope tracers. 367882
Botha, F.
The recovery of sulphur, uranium, and gold from residues. 367200
Botha, J.C.
Applications of intense radiation sources in therapy. (INIS-mf – 4203) 376122
Bothe, E.
Mechanism of the first order decay of 2-hydroxy-propyl-2-peroxyl radicals and of O_2^- formation in aqueous solution. 358863
Botnick, L.E.
Stem cell depletion: an explanation of the late effects of cytotoxins. 367452
Botre, C.
Potentiometric determination of azides by the aid of special electrodes. (KFK-TR – 535) 354282
Bots, G.J.C.
The superconductive transition temperatures of some solders. 359960
Bott, T.F.
Influence of equation-of-state uncertainties on fuel vapor expansion work-energy calculations. 352197
Bottcher, C.
Feshbach projection-operator calculation of the resonant states of H_2^-. 361340
Many-electron stripping in collisions between atoms and heavy ions. 348652
Photofragmentation of isosceles H_3^+. 377061
Bottcher, J.H.
Operating limits for subassembly deformation in EBR-II. 358278, 365968
Subassembly bowing experience in EBR-II. (CONF-770807 – 35) 368244
Botter, R.
Dissociation of energy selected ions by threshold photoelectron-photoion coincidence. 355881, 377028
Bottger, D.
Decommissioning of light-water reactor nuclear power plants. 374195
Bottigli, U.
A new fast and programmable trigger logic. 371097
Bottino, A.
$0^- \rightarrow 0^+$ beta decay and muon capture in the A = 16 nuclei. 364653
Botto, L.
The i.r. spectra of $NH_4UO_2AsO_4.3H_2O$ and $NH_4UO_2PO_4.3\ H_2O$. 354316
Botton, N. de
Photoproduction of negative pions on D and ^{4}He in the Δ(1236) region. (LYCEN – 7702(pt.1)) 369460
Bottoni, G.P.
Fast factorization procedures solving the multidimensional reactor dynamics equations. 360761
Bottoni, M.
Calculation of temperature distribution in a melting clad with the Pekeris-Slichter series expansion method. 374274
Theoretical interpretation of boiling phenomena in electrically heated, sodium-cooled 7-rod arrays. 371011
Theoretical interpretation of SCARABEE single pin in-pile boiling experiments. 374284
Botts, T.
Generic PSAR for the TF coil system of tokamak fusion reactors. 377473
Botvin, V.A.
Distribution of paramagnetic centers and implanted atoms produced in silicon by ^{235}U fission fragments. (INIS-mf – 3996) 364023
Botvina, A.Ya.
On the problem of activation determination of nitrogen in petroleum. 354283
Bouat, J.
Surface quantum oscillations in tellurium inversion layers. 354500
Bouchard, V.
Effective retraining: is it possible. 358114
Bouche, W.
Charge fluctuation spectra at very long wave-length in ionic fluids. 364018
Boucher, C.
Experimental study of dynamic stabilization of dissipative drift modes by oscillating azimuthal magnetic field. 366589
Boucher, R.
Measurement of plasma renin activity by radioimmunoassay. 357690
Boucherle, J.X.
On the magnetic ordering of $CeAl_2$. 355942
Bouchez, Jacques
Analysis of the reaction $\pi^-p \rightarrow$rhoN at 4GeV/c. Extraction of the amplitudes and study of their behavior with energy. (CEA-N – 1989) 369361
Bouda, T.
Selection of optimum channel width in gamma spectrometry. (INIS-mf – 4143) 374340
Boudard, A.
Angular distribution measurement of the reaction $\alpha p \rightarrow {}^3$He d at 3.98 GeV/c. 354147
Boudreau, J.E.
Disassembly energy release for mechanical damage evaluation. (LA-UR – 77-829) 352249
Study of fast reactor safety test facilities. Preliminary report. (LA – 5978-MS) 370530
Boudreaux, G.J.
Analytical methods for determining the concetration ratio in mixtures of trioctylphosphine oxide and di(2-ethylhexyl)phosphoric acid. 364916
Boudrie, R.L.
Elastic and inelastic scattering of 800 MeV protons from ^{89}Y and ^{90}Zr. (TID – 27909) 377980
Energy dependence of π^+ induced two- and four-nucleon removal. 369510
Boudry, J.C.
Reprocessing of "fast" fuel in France. (IAEA-AG – 63-5) 368452
Boudry, M.
A closed fuel cycle. Rapsodie. 368221
Bouffioux, P.
Effect of anisotropy on Zircaloy cladding creep in PWR. 370908
Bougon, R.
Synthesis and characterization of the difluorotris (fluorosulfate of uranium (V): $UF_2(SO_3F)_3$. 365033
Boulch, J.-M.
A color display device recording X ray spectra, especially intended for medical radiography. 355506
Boulet, J.A.
Safety analysis report for packaging: the ORNL uranium-shielded shipping cask. (ORNL/ENG/TM – 4) 365730
Boulet, J.A.M.
Safety analysis report for packaging: the ORNL HFIR unirradiated fuel element shipping container. (ORNL/ENG/TM – 9) 365733
Boulhassa, S.
Citric complexes of trivalent cerium and berkelium. (IPNO-T – 77-07) 369734
Boulle, G.J.
Characterisation of South West African potsherds by neutron activation analysis of trace elements. 372839
Boulton, C.F.
Static and cyclic testing of a PFR secondary circuit pipe bend. (IWGFR – 11) 355455
Boulton, J.
Convergence of materials and design criteria in advanced reactors. 360930
Boulton, R.B.
Simultaneous analysis of light elements using prompt nuclear reaction gamma rays. 364850
Boulware, D.G.
Prescribed sources and gauge conditions. 361250
Bouma, J.
High resolution spectroscopy with tunable pigment lasers. (INIS-mf – 4267) 377149
Bounin, P.
Elastic cross sections for e + ^{40}Ca at 757.5 MeV. 364744
Bouquet, A.
Constraints on vector-like models from natural conservation of strangeness in neutral currents. 372370
Do the neutron-proton charge exchange amplitudes depend on energy on energy. 372369
Problems in the phenomenological analysis of cross-section difference sigmasub(pp)-sigmasub(pn) and sigmasub(antiproton proton)-sigmasub(antiproton neutron). 361919
Bouquet, B.
Impact parameter analysis of the reaction $\pi^-p \rightarrow p\pi^+\pi^-\pi^-$ at 9 and 12 GeV/c with very fast secondary proton. 356510
Bourcherle, J.X.
Rare earth wave function determination by polarized neutron diffraction in $REAl_2$. 378591
Bourdier, A.
Relativistic effects on electromagnetic wave propagation in a cold inhomogeneous electron plasma. 371762
Bourdon, J.C.
Double frequency rf system to increase the DCI energy. 363157
Bourgeois, C.
'On-line' spectroscopic study of energy states of ^{187}Au: interpretation in terms of triaxial nuclear deformations. 377981
Bourgeois, M.
Reprocessing of "fast" fuel in France. (IAEA-AG – 63-5) 368452
Technology of reprocessing fast-reactor fuel. 367201
Bourgin, M.C
Temperature measurement of interplanetary-interstellar hydrogen. 356189
Bourgoin, J.C.
Ionization effect on the kinetics of crystallization in amorphous germanium. 370161
The status of defect studies in silicon. 370145
Bourguignon, M.
The use of chromosomic anomalies for the estimation of an accidental acute irradiation dose in man. 354802
Bourmistenko, Yu.N.
Computer-selected optimization of activation analysis methods. 364851
A mathematical model of monoenergetic gamma-ray spectra. 368482

Bournot, P.
Experimental study of an air plasma generated by interaction of a CO_2 laser beam with a solid target. 353524
Bourque, L.R.
In-reactor measurement of fuel-to-sheath heat transfer coefficients between UO_2 and stainless steel. (AECL – 5400) 360839
Bourquin, R.D.
Absorber materials for fast reactor control applications. (HEDL-SA – 1177-FP) 363490
Bourrely, C.
Asymmetry for large-psub(T) π^0 production by polarized protons on the parton model. 361771
Forward proton-proton scattering at very high energies. 356398
Bouse, D.G.
Alpha radiolysis of tributyl phosphate: effect of diluents. (ARH-ST – 153) 357134
Boussard, D.
Acceleration and stacking of deuterons in the CERN PS and ISR. 363144
Longitudinal phenomena in the CERN SPS. 363168
Boutemy, Y.
Neutron logging of formation porosity. (US patent document 4,035,639/A/) 363086
Bouten, M.
Flow lines of rotating light nuclei. (ZfK – 336) 364716
Quantum flow and nuclear rotation. 372587
Theoretical study of light nuclei. (INIS-mf – 4267) 377856
Bouten, M.C.
Theoretical study of light nuclei. (INIS-mf – 4267) 377856
Boutet, J.
Levels in ^{159}Ho as populated from decay of ^{159}Er. 356720, 359462
Boutheon, M.
Acceleration and stacking of deuterons in the CERN PS and ISR. 363144
Boutonnet, G.
New techniques for the treatment of uranium ores. 365108
Boutot, J.P.
Impulse response of curved microchannel plate photomultipliers. (CRN-CNPA – 77-11) 355507
Bouville, A.
Levels of fallout ^{90}Sr and ^{137}Cs in milk regional variations of transfer factors. 370424
Bouwer, E.J.
Uranium assay of phosphate fertilizers and other phosphatic materials. 378094
Bouyssy, A.
Shell-model calculation of strangeness exchange reactions on nuclei. 361964
Theory of hypernucleus excitations in (K^-,π^-) processes. (IPNO-TH – 77-42) 359234
Bovard, P.
The atom and the environment. 360365
Environmental impact of nuclear industry. Results of research on environmental radionuclide transfer. 360366
Studies of the impact of nuclear facilities on the environment. 360423
Bovet, E.
Alpha-alpha final-state interaction in the ^{6}Li(α,αd) reaction at 42 MeV. 354160
Bovi, O.A.
Sterilization and lethal gamma radiation doses on adults and eggs of Sitotroga Cerealella (OLIVIER). (CENA-BC – 028) 354798
Bovina, L.A.
Magnetoresistive effect in CdHgTe near the gapless state. 368818
Bowden, G.J.
Spin adjustment in (Gd,Dy)Al_2. 356020
Bowen, D.K.
Deformation behaviour of dilute niobium – nitrogen alloys. 362483
Bowen, J.H.
Thermal reactor safety. 373790
Bowen, P.
Abnormal localisation of gallium-67 citrate in pseudohypertrophic muscular dystrophy. 360369
Bowen, P.H.
Precise energy determination for three peak cross-sections in ^{23}Na and ^{27}Al and for the 250 keV resonance in ^{6}Li. (INIS-mf – 3897) 354216
Total cross-section measurements on Fe, Ni and Ti from 10 keV to 1 MeV. (INIS-mf – 3897) 354215
Bowen, S.P.
Effect of interconfigurational fluctuations on superconducting magnetic alloys. 359900
Bowen, V.T.
Oceanic distributions of radionuclides from nuclear weapons testing. 352870
Windscale effluent in the waters and sediments of the Minch. 351959
Bower, M.
Direct effects in the electrophilic substitution of deltahedral boranes and heterboranes. Deuteration and halogenation of 1-SB_9H_9 and $SB_{11}H_{11}$. 378406
Bowers, C.H.
Analysis of core disruptive accidents in carbide-fueled LMFBRs. 379286
SAS4A LMFBR accident analysis code system: a progress report. (CONF-761001 – P3) 365548
Transient undercooling analysis of the dispersal mechanism test. (CONF-761001 – P4) 362983
Bowers, R.L.
Gravitationally redshifted gamma rays and neutron star masses. 359057
Hot hadronic matter in the early universe. (ORO – 3992-303) 361671
Bowersox, D.F.
Reaction between plutonium and deuterium. Part II. Rate measurements by weight changes. (LA – 6681-MS) 351601
Bowie, J.H.
Electron impact studies. CXVII. 378217
Bowie, S.H.U.
Uranium exploration and evaluation techniques. 370253
Bowler, M.G.
Rescattering effects in the Deck model. 356380
Bowles, J.S.
Crystallography of the precipitation of β vanadium hydride. 362484
Bowles, T.J.
Cryogenic helium jet and recoil time-of-flight apparatus. 368350
Bowley, R.M.
Mobility of positive ions in normal ^{3}He. 368747
Motion of negative ions in superfluid ^{3}He. 355963
Bowman, D.J.
A novel zero time detector for heavy ion spectroscopy. 379865
Bowman, M.G.
Carbonation of cerium oxychloride. (LA-UR – 77-2030) 362203
Bowman, M.K.
Electron spin-lattice relaxation mechanisms of radiation produced trapped electrons and hydrogen atoms in aqueous and organic glassy matrices. 357136
Bowman, R.C. Jr.
Distribution of helium in metal tritides. 373010
NMR studies of the helium distribution in uranium tritide. 360009
Bowmer, T.N.
Nature of the side chain branches in low density polyethylene: volatile products from gamma radiolysis. 351631
Bowring, R.W.
A new mixed flow cluster dryout correlation for pressures in the range 0.6-15.5 MN/m² (90-2250 psia) – for use in a transient blowdown code. 376549
Bowyer, B.
Status and preliminary results of NURE. 362566
Bowyer, J.M. Jr.
Transient analysis of a permeable thermal barrier system. 358247
Bowyer, S.
Extreme ultraviolet observations of white dwarfs. 369144
Spectrophotometry of the unusual optical candidate for 3U 1728-24 (=GX 2 + 5 = GX 1 + 4). (CONF-7510169 –) 364303
Box, H.C.
Characterization of radiation products from ENDOR measurements. 357554
Primary free radicals formed in x-irradiated inositol. 369777
Primitive radiation damage: Succinamic acid. 351641
Box, S.T.
Total cross-section measurements on Fe, Ni and Ti from 10 keV to 1 MeV. (INIS-mf – 3897) 354215
Box, W.D.
Obsolete cask program: oblique and center-of-gravity drop tests. (ORNL/TM – 1312(Vol.17)) 367953
Boyadjieva-Mikhailova, A.
Ultrastructural changes in ovarian cells after X-ray irradiation following inhibition of cholesterol synthesis. 379010
Boyadzhiev, A.
A study of the possibilities for dry decontamination of surfaces with some trivial cleaning agents. 367819
Boyarintsev, Eh.L.
"Akvagen" pulse electron accelerator. (INIS-mf – 3954) 363146
Boyarkin, O.M.
Electrodynamics of particles with spin equal to 1. 363752
The vector meson with anomalous magnetic moment. 349055
Boyarski, A.M.
D meson production and decay in e^+e^- annihilation at 4.03 and 4.41 GeV c.m. energy. 353989
K^0 production in e^+e^- annihilation. 353983
Properties of the proposed tau charged lepton. 356517
Quantum numbers and decay modes of the resonances psi(3095) and psi(3684). (SLAC-PUB – 1599) 359334
A search for neutral heavy leptons. 356514
Spin analysis of charmed mesons produced in e^+e^- annihilation. 351228
Boyarskii, L.A.
Low temperature magnetoresistivity of Europium. 362376
Boyarskij, G.Ya.
Radioluminescence investigations with silane modified polyethylene-kaolin compounds. 353460
Boyce, I.S.
Some considerations relating to the accuracy of measuring the ash content of coal by X-ray backscattering. 376267
Boyd, A.W.
Ozone yields from the Febetron radiolysis of oxygen-rare gas mixtures. 357137
Boyd, D.
Method and apparatus for x-ray or γ-ray 3-D tomography using a fan beam. 374299
Boyd, D.A.
First measurements of electron-cyclotron emission spectra from PLT. 353622
Boyd, D.P.
Characteristics of computed tomographic reconstruction noise and their effect on detectability. (LA-UR – 77-2409) 373660
Fan beam X-ray or γ-ray 3-D tomography. 374301
Position sensitive x-ray or γ-ray detector and 3-D tomography using same. 374300

Boyd, J.
United States uranium position. 357447
Boyd, R.E.
The application of radionuclides in medicine. 357632
Boyd, R.J.
The relative sizes of atoms. 348653
Boyd, R.N.
The effective T=1 two-particle matrix elements in the fp shell. 378076
A search for integrally charged quarks. 377788
Spins of resonances in the $^{12}C + ^{16}O$ system. 362104
Boyd, R.W.
Stimulated Raman scattering and the extreme high-velocity H_2O maser features in W49. 361672
Boyd, W.K.
Corrosivity of solutions from evaporation of radioactive liquid wastes. Final report. (ARH-C – 18) 358497
Boyer, C.N.
Controlled collective field propagation for ion acceleration using a slow wave structure. 363169
Boyer, K.
Design and operation of large CO_2 laser systems for fusion applications. 377356
Laser isotope separation. 357865
Laser plasma interactions at 10.6 μm wavelengths. 371763
Boyer, L.
Critical current degradation in high current Nb Ti composites subjected to time-dependent currents up to 10^4 A/s. 359901
External field effects on current distribution in multifilamentary composites. 359921
A twenty-pole superconducting field winding. 360605
Boyer, Pierre
A device for holding in position the pins of a cluster inside the casing of an assembly intended for nuclear reactors. 355456
Boyer, R.
Flux expulsion and trapping in rotating discs of type II superconductors. 353726
Boyer, V.S.
High temperature gas reactor. 379669
Boyer, W.B.
Data acquisition and processing on electron beam fusion accelerators. (SAND – 77-0750C) 356087
Interactive data manipulation program FAWTEK user guide. (SAND – 77-0210) 353015
Operation and maintenance manual for diode performance analysis program DIODE0. (SAND – 77-0394) 356086
Boyes, D.A.
Plasma cell leukemia following treatment with radiotherapy and melphalan. 362697
Boyes, E.D.
High resolution electron microscopy of boric acid-Nb_2O_5 complexes and doped Ta_2O_5 systems. 373296
Boyette, E.L.
Radionuclide scanning in the diagnosis of splenic injury: a case report. 362785
Boyle, J.
An analysis for out of plane bending on curved pipes in creep: Development of method and design factors. (IWGFR – 11) 355235
Boyle, M.D.P.
^{125}I Protein A: applications to the quantitative determination of fluid phase and cell-bound IgG. 367702
Boyle, M.J.
Evidence for profile steepening in laser-irradiated plasmas. 364240
Long pulse microsphere experiments at 3 TW. (UCRL – 79779) 377357
Performance of Argus as a laser fusion facility. (UCRL – 79816) 368994
Time-resolved x-ray spectra of laser irradiated high-Z targets. (UCRL – 79783) 377469
Use of x-ray imaging on laser fusion experiments. (UCRL – 79817) 366506
Boyle, R.F.
Absorber for gaseous tritium and process for its manufacture. (German (F.R.) patent document 2640363/A/) 367073
Boyle, W.G.
Automated sample-processing and titration system for determining uranium in nuclear materials. (UCRL – 52351) 380122
Boyns, P.K.
Aerial radiological survey of the Rancho Seco Nuclear Generating Station, Clay Station, California, August 1975. (EGG – 1183-1690) 357528
Bozduganov, A.
Scintigraphic investigations with sup(113m)In-cysteamine and sup(113m)In-methionine amide. (INIS-mf – 4010) 370391
Szintigraphic investigations of bone marrow. (INIS-mf – 4010) 367688
Bozek, E.
The hyperfine quadrupole interaction observed in binary Agsub(x)Ysub(1-x). (INP – 866/PL) 371569
Perturbed angular distributions in ^{36}Cl and ^{40}K. 356721
Bozhenko, K.V.
Calculations of electronic structures of the group 2-4 element compounds by the Ruthan. 359588
Bozhenov, V.A.
Mutual diffusion in Pt-Mo, Re-Mo, Pt-Re and Pt-Re-Mo systems. 378686
Bozhevol'nov, E.A.
New possibilities of yttrium, europium, samarium and gadolinium determination by luminescent method. (INIS-mf – 4192) 375229
Optimization of conditions for spectral analysis of solution dry residues in magnetically stabilized arc discharge. 372840
Studing ligand dentation by EPR. (INIS-mf – 4192) 375582
Bozhevol'nov, V.E.
Optical-spectroscopic investigation of CaF_2-Gd, Eu monocrystals. (INIS-mf – 3955) 377263
Bozhko, N.I.
Drift chamber with multiwire signal element and long drift distance. 358349
Bozhko, V.I.
On magnetic breakdown in indium. 357253
Bozhko, V.P.
Differential and integral cross-sections of (n, α) reactions on sup(54,56,57,58)Fe and sup(58,60,62)Ni nuclei at neutron energy 14.7 MeV. (INIS-mf – 3897) 356747
Study on the (n,α) reaction on iron and nickel isotopes at neutron energies of 14,7 MeV. (KFTI – 75-15) 359474
Bozoky, L.
Lifetime dose of persons working in radiogynaecological departments. 370642
Bozorgmanesh, H.
Absolute measurement of the number of neutrons per spontaneous fission of californium-252. 372719
Nu-bar of ^{252}Cf. (BNL-NCS – 22500) 356722
System optimization for prompt-neutron activation analysis of coal. 378154
Bozzoli, W.
Search for 'charm' in nuclear emulsion. 353946
Search for short-lived particles produced by 300 and 400 GeV/c protons in nuclear emulsions. 364564
Bozzoni, T.
Italian progress on light-water reactor fuel design, manufacturing, testing and management. 365873
Braak, H.P. van de
Hysteresis of niobium in time dependent fields up to 3 k0e amplitude. 359941
Braatz, U.
Nuclear energy between non-proliferation and necessity. 358584
Salzbourg 1977. 355711
Brabandt, G.
The 'energy ratio' – a key to efficient energy use. 371219
Brabant, J.C.
Study by thermally stimulated capacitance techniques of defects introduced at low temperature by electron irradiation in p-silicon. 370139
Brabants, J.A.P.
Heater control apparatus. (UK patent document 1480500/A/) 350329
Brabec, V.
Contribution of M, N,... atomic shells to total internal conversion coefficients for transition energies above 500 keV. 354061
Brabson, B.B.
Technical progress report of the Indiana University High Energy Physics Group, December 1, 1976 – November 30, 1977. (COO – 2009-132) 364565
Brac, G.F.
Design and tests of liquid helium rotating cryostat. 360606
Brace, L.H.
Observations of neutral composition and related ionospheric variations during a magnetic storm in February 1974. 360193
Brach, B.Ya.
Synthesis and magnetic properties of $LaMnO_3$-$LaAlO_3$ solid solutions. 356998
Brachkovskaya, N.B.
Absolute intensities of spectra of glass with rare earth ions. (INIS-mf – 3955) 362167
Brack, K.
Coating substance to be hardened by radiation, procedure for its preparation and its application for preparing separating coatings. (German (F.R.) patent document 2620309/A/) 360585
Brack, M.
An asymptotic form of the smooth part of the total single-particle energy. 356656
An improved approximation to constrained Hartree-Fock calculations. 361965
Pionic disintegration of the deuteron. 354050
Brackbill, J.U.
Computation of magnetohydrodynamic flow in a magnetically confined plasma. 361496
Brackenbush, L.W.
Guide to good practices at plutonium facilities. (BNWL – 2086) 362604
Bradaczek, H.
Reaction energy analysis by plasma diagnostics. 348745
Bradamante, F.
Reconstruction of the momentum of a particle moving in an axially symmetric magnetic field. 358344
Bradaschia, C.
A new fast and programmable trigger logic. 371097
Bradbury, A.G.W.
Radiation chemistry of carbohydrates. Pt. 12. 365044
Bradbury, D.
The effects of very high doses of radiation on the tensile properties of EPR rubber. (CEGB-RD/B/N – 4087) 354606
Bradbury, J.N.
Application of protons to computer tomography. (LA-UR – 77-2385) 373567
Dosimetry of pion therapy beams. 352351
Tuning the beam shaping section of the LAMPF Biomedical Channel. 363310

Bradbury, J.T.
Commercial developments in enrichment. 363054
Bradbury, P.
Development of licensing requirements for LMFBRs: a reactor designer's view. (TID – 27798) 366173
Evaluations of CRBRP thermal margin beyond the design base. (CONF-771108 – 3) 373863
Safety design criteria for liquid metal fast breeder reactors. 379264
Brade, L.
Influence of whole-body X-ray irradiation and 2,4,6-triethyleneimino-1,3,5-triazine on the hypnotic effect of hexobarbital in mice. 365380
Bradfute, J.O.
Accident trees: a framework for accident evaluation. (CONF-761001 – P2) 362874
Bradley, A.
Vector dominance q^2 dependence and radial excitations. 353771
Bradley, D.J.
Composition of eta carbide in Hastelloy N after aging 10,000 hr at 815°C. (ORNL – 5340) 373226
History of prototype high level waste Canister SS-9 while in air and water storage. (PNL – 2278) 380032
Bradley, F.J.
Transport worker radiation exposures handling air shipments of radioactive materials. 360530
Bradley, J.N.
Cyclotron emission and thermalization of electrons in rare gas afterglow plasmas. 353197
Bradley, L.P.
Fast optical shutters for Nova, a high power fusion laser. (UCRL – 79699) 377358
Bradley, N.C.
The full-scale cask program at ORNL. 350037
Obsolete cask program: oblique and center-of-gravity drop tests. (ORNL/TM – 1312(Vol.17)) 367953
Bradley, R.A.
Neutron-induced permeability of pyrocarbon-coated high-temperature gas-cooled reactor fuel particles. 365907
Bradley, R.F.
Technology for removing sludge and cleaning Savannah River Plant radioactive liquid waste tanks. (DP-MS – 76-88) 363661
Bradley, W.G.
^{239}Pu and ^{241}Am contamination of small vertebrates in NAEG study areas of NTS and TTR. (NVO – 171) 379137
Bradshaw, D.
A rapid one-step kit for the routine preparation of basic sup(99m)Tc penicillamine. 375656
Bradshaw, L.
The injection of sodium into liquid stainless steel. (PNC-N – 251-76-12(vol.1)) 350126
Bradstock, P.A.
Transverse-section (tomographic) medical gamma-ray imaging using the J + P multipoise emission tomoscanner. (INIS-mf – 4010) 358343
Bradt, H.
Observations of A0620-00 by SAS-3. (CONF-7510169 –) 364288
SAS-3 observations of an x-ray flare from Cygnus X-1. (CONF-7510169 –) 364292
Bradt, H.V.
Optical candidates for two X-ray bursters and an X-ray pulsar. 359128
Positions of galactic X-ray sources Cir X-1, TrA X-1 and 3U1626-67. 350986
Positions of galactic X-ray sources: $0^0 <$ lsup(II) $< 20^0$. 364311
Positions of galactic X-ray sources: $320^0 <$ lsup(II) $< 340^0$. 369019
Positions of three X-ray burst sources. 359105
Brady, F.P.
^{6}Li(n,d)^{5}He and ^{7}Li(n,d)^{6}He with 56.3 MeV neutrons. 351337
Intermediate-structure effects in the reaction ^{12}C(^{16}O, ^{20}Ne)^{8}Be. 366966
Neutron-proton differential cross section measurements at 25.8 and 50.0 MeV. 359509
Proton pickup from ^{27}Al via the (n,d) reaction at 56.3 MeV. 354161
Braetter, P.
Improvement of sensitivity in instrumental neutron activation analysis by means of anticompton spectrometry with a central well-type Ge(Li)-detector. 375343
Measuring system for fast neutron activation analysis at the BER-II reactor. (HMI-B – 188) 367024
On the distribution of trace elements in human skeletons. 369529
Braeuer, H.
Different results produced by five radioimmunoassays for determination of digitalis in serum. 376190
Braeunig, D.
Change of some properties of junction field-effect transistors after ionising irradiation. 350386
Brafman, M.
Neutron logging of petroleum wells by spectrometric analysis of the prompt emission of inelastic scattering and capture gamma rays. 375966
Brager, H.R.
Stress-affected microstructural development and creep-swelling interrelationship. (HEDL-SA – 1167) 365969
Bragg, D.G.
Advances in diagnostic radiology. Problems and prospects. 357633
Bragin, A.A.
Current amplitude differential discriminators. (Soviet patent document 469939/A/) 361070
Bragin, F.V.
Magnetoresonance investigations of antiferromagnetic $FeCl_3$. 355964
Bragin, O.V.
On transformations of gem-dimethylcyclopentane and gem-dimethylcyclohexane on the 8th group noble metals. 378224
Bragin, V.N.
Calculation of the Coulomb wave functions. (IAE – 2605) 358600
Braginskaya, A.E.
Solidification of the polyester coatings with accelerated electron beam in air. (INIS-mf – 4194) 376281
Braginskij, S.I.
Protecting rotative layer near the boundary of a high-temperature plasma. 348890
Braglia, G.L.
Second-order theory of the electron Drift velocity in a gas in a field. 363964
Brahme, S.B.
Sediment transport in the coastal environment – a case study of Marmugoa Harbour. 370284
Brahmer-Kacprzynska, A.
Generalization of Langevin equation, autocorrelations and plasma resistivity. (IPPT-IFTR – 83/1976) 371765
Use of Riemann function for extraction of integral equations for inverse problem of plasma diagnostics. (IPPT-IFTR – 19/1975) 371764
Brahy, N.
Simulation of hypothetical core disruptive accidents in vessel models. (CONF-761001 – P3) 365544
Braid, M.K.
A finding list of southern clusters of galaxies. 374881
Brailsford, A.D.
Determination of the void nucleation rate from void size distributions. 362527
Displacive stability of a void in a void lattice. 360063
Effect of self-ion injection in simulation studies of void swelling. 373336
Vacancy aggregation and dislocation sink strengths in non-fissile materials. 351882
Brain, S.W.
An experimental and theoretical study of the low-lying states of ^{15}N. 366915
Brainina, Eh.M.
Bromination of zirconium and hafnium acetylacetonate derivatives. 354323
Braithwaite, J.W.
Corrosion behavior of metals in terminal nuclear waste storage environments. (SAND – 77-1812C) 380033
Braithwaite, W.J.
Carbon-12 precipitation rate and the 3α process in stellar helium burning. 354162
Distinguishing between stars and galaxies composed of matter and antimatter using photon helicity detection. 366685
Energy dependence of π^+ induced two- and four-nucleon removal. 369510
Mutual excitation near the Coulomb barrier in the $^{12}C + {}^{12}C \rightarrow {}^{12}C^* + {}^{12}C^*$ reaction. 351338
Brakhman, E.
Backward elastic scattering of negative pions on protons at 25 and 38 GeV/c. (ITEP – 2) 356487
Brakhman, Eh.
Total cross-section measurement of neutron interaction with protons and nuclei in the energy range from 26 to 54 GeV. (ITEF – 10) 356690
Brakhman, Eh.V.
Elastic backscattering of pions minus on protons at 25 and 38 GeV/c. 369349
Brambilla, M.
Electron Landau damping of lower hybrid waves from a finite length antenna. (INIS-mf – 3963) 353525
Electron Landau damping of lower hybrid waves. 374808
Plasma-wave coupling and propagation using phased waveguide arrays. 348885
Radiation from waveguide arrays. (EUR-CEA-FC – 906) 353527
Review of the grill theory. (EUR-CEA-FC – 890) 353526
Bramham, P.
Design concept for a 100 GeV e^+-e^- storage ring. 363161
Longitudinal instabilities of bunched beams in the ISR. 363170
Brammer, C.M. Jr.
Guide device. (US patent document 4,053,356/A/) 368132
Brammer, J.A.
Mobile helium cooling loop system for in-reactor PAHR experiments. (SAND – 77-0161C) 367736
Bramson, P.E.
Hanford critical radiation dosimeter. (PNL – 2276) 379886
Radionuclide concentrations in selected foodstuffs and wildlife from the Hanford environs, 1971 – 1975. (PNL – 2383) 379133
Bran'kovski, E.
Crate controller in the CAMAC standard for connection with the M-400 computer. (JINR – 10-10394) 376683
Branco, G.C.
Dileptons, trileptons and the V-A structure of weak charged currents. (BONN-HE – 77-9) 366828
Neutrino data, exotic quarks and higher groups. (BONN-HE – 77-8) 364480
Separate μ- and e-lepton numbers non-conservation in the Weinberg model with two higgs doublets. (BONN-HE – 77-5) 364478
Weinberg-Salam model with two Higgs doublets and the $\Delta I = 1/2$ rule. (BONN-HE – 77-1) 364479

Brancus, D.E.
P-representation for density operator of Landau electrons. 355730
Brand, B.
Influence of the primary circuits on the PWR refill phase. 370937
Brand, H.
Systematic hyperfine structure measurements in the B-X electronic transition of $^{127}I_2$ by use of a cw dye laser. 355859
Brand, H.R.
Automated sample-processing and titration system for determining uranium in nuclear materials. (UCRL – 52351) 380122
Brand, K.
Magnetic beam position detector. 363171
Brand, P.W.J.L.
The young cluster NGC 5367 and A1353-40. 349037
Brandalise, B.
Employment of a completely automated mass spectrometer in fissile material control. (KFK – 2319) 371294
Brandan, M.E.
Tensor analyzing powers in ^{64}Zn(d, t)^{63}Zn and ^{64}Zn(d, ^{3}He)^{63}Cu at Esub(d) = 13 MeV. 354164
Vector analyzing power and cross section for (d, t) and (d, ^{3}He) reactions on ^{64}Zn at Esub(d) = 13 MeV. 354163
Brandao, A.
Pion absorption by ^{3}He. 377963
Brandberg, S.
Risk comparison of alternatives of the back end of the fuel cycle at a pre-project stage. 352323
Branddini, F.
Implantation perturbed angular distribution for argon and potassium in iron. 356723
Brandelik, R.
Evidence for the F meson. 353947
Measurements of tau decay modes and a precise determination of the mass. 372505
On the origin of inclusive electron events in e^+e^- annihilation between 3.6 and 5.2 GeV. 353772
On the semileptonic decay of charmed hadrons. 356496, 364566
Brandenberg, R.A.
Nuclear charge asymmetry in the A = 3 nuclei. 372588
Brandenberger
Elastic and inelastic scattering of neutrons by isotopes of molybdenum and zirconium. (BNL-NCS – 22500) 356833
Sample size corrections and comparisons of (n,n') cross sections from n and γ-ray detection. (BNL-NCS – 22500) 356773
Brandes, W.A.
Special structural engineering and construction features of nuclear power plants. 352521
Brandi, H.C.
Hydrogen molecule ion in strong magnetic field. 364382
Brandi, H.S.
Calculation of magnetic hyperfine constants. (PUC-TN – 15/75) 355966
Calculation of the electronic structure and magnetic hyperfine contact terms of interstitial hydrogen in alkaline-earth fluorides. (PUC-TN – 18/75) 353477
A Cluster-Bethe lattice treatment for the U_2-center in alkali-halides. (PUC-TN – 21/76) 351770
Electron-hydrogen atom collisions in the presence of a strong laser field. (PUC-TN – 6/77) 350580
Electronic structure, optical spectra and contact terms of the CoF_6^{4-} cluster in LiF. (PUC-TN – 19/75) 353393
Evaluation of magnetic dipolar terms in molecules. (PUC-TN – 10/77) 350531
Excitation of sodium and potassium by electron impact. 358702
Hydrogen atoms in strong magnetic fields oscillator strengths. 353198
Resonant excitation of lithium by electron impact. 358704
Theory of electron-hydrogen atom collisions in the presence of a laser field. (PUC-TN – 17/77) 364618
Wavefunction for the interstitial hydrogen atom in SrF_2. (PUC-TN – 23/75) 353466
Brandi, J.S.
Charged particles scattering in the presence of an homogeneous magnetic field. (PUC-TN – 16/77) 350581
Brandis, H.
Low alloy tempering steel. (German (F.R.) patent document 2537702/A/) 354501
Brandl, V.
Reactor theory and physical experiments. (KFK – 1277/2) 370795
Brandl, W.
THTR 300 prototype nuclear power plant – experiences and knowledge gained with the licensing procedure. 370953
Brandolini, F.
g-factor of the 5/2 level at 40 keV in ^{45}Ti. 364751
Brandon, J.R.
Inactivation by ionizing radiation of Salmonella enteritidis serotype montevideo grown in composed sewage sludge. 367465
Recent developments in Sandia Laboratories' sewage sludge irradiation program. (INIS-mf – 4220) 379412
Recent developments in the Sandia Laboratories' sewage sludge irradiation program. (SAND – 77-1411) 379413
Brandon, R.E.
Cooling device for rotors of multistage axial steam turbines. (German (F.R.) patent document 1551184/C/) 350131
Brandow, B.H.
Linked-cluster perturbation theory for closed and open-shell systems: derivation of effective π-electron hamiltonians. (LA-UR – 77-1613) 355860
Brandstetter, A.
SNR construction experience. 379736
The status of fast breeder development. 358279
Brandt, B.
The Moessbauer effect and magnetometric investigations of iron-doped sodium A-type zeolite. 374666
Brandt, E.H.
Elastic energy of the vortex state in type II superconductors. I. High inductions. 351107
Order parameter and magnetic field of the distorted vortex lattice and their application to flux pinning in type II superconductors. I. Parallel flux lines. 366789, 366790
Phase transition from the triangular to the square flux line lattice in type II superconductors with small kappa. 377689
Brandt, H.
Gas flow in a permeable earth formation containing a crack. 379459
Brandt, H.W.
Optical isotope shift measurements of $^{40\ 42\ 43\ 44\ 48}$Ca by use of enriched isotopes in an atomic beam. 366325
Recent hyperfine structure investigations in the configurations $4f^{13}6s^2$, $4f^{13}6s6p$, and $4f^{12}5d6s^2$ of TmI. 355861
Brandt, K.
Tests to determine the ultimate collapsible load of IPBv profile supports with small span. 370777
Brandt, N.B.
Temperature motion of the Fermi level in Cdsub(x)Hgsub(1-x)Te semimetallic alloys. 363965
Brandt, R.
Multifragment decay reactions induced by heavy ions and studied with mica track detectors. 367011
Search for superheavy elements in the meteorite Mundrabilla. 359723
Study of heavy-ion – induced reactions on uranium with use of mica detectors. 359538
Thermal conductivity of plasma-sprayed molybdenum. (IKE – 5-204) 349448
What is done in France with respect to the design, manufacture, management and development of nuclear fuel. 365880
Brandt, R.A.
Color confinement. 364481
Finite field equation for asymptotically free phi^4 theory. (BONN-HE – 77-26) 366247
Brandt, S.
Elementary particles with charm. Pt. 1. 375011
Elementary particles with charm. Pt. 2. 375012
A high resolution low cost charge sensitive amplifier. 355508
Brandt, W.
Analysis of experimental velocity distributions of convoy electrons. 377245
Brandt, Werner
Measurement of the screening of swift charged particles in solids through cluster Coulomb explosion. 358772
Branduardi, G.
X-ray observations of 3U 1700-37. (CONF-7510169 –) 364373
Brandus, L.
A method for the calculation of electronic excitation cross sections. 355862
Branford, D.
The E1 and E2 strength in the electrofission of some heavy elements. 356878
Further evidence for resonance anomalies in the $^{12}C + ^{16}O$ system. (ANU-P – 673) 356724, 356725
A reconsideration of the evidence for some $^{12}C + ^{12}C$ resonance anomalies. 375163
Brannon, J.
Rare earth and trace element geochemistry of a fragment of Jurassic seafloor, Point Sal, California. 349646
Brannon, J.C.
Trace element distribution in mineral separates of the Allende inclusions and their genetic implications. 354668
Brans, C.H.
Absence of inertial induction in general relativity. 366248
Bransden, B.H.
Differential cross-sections and angular correlation parameters for the electron impact excitation of the n=2 and n=3 singlet levels of helium. 353386
The optical model in electron-atom scattering. 361338
Branson, B.M
Personnel exposure from an unshielded pulmonary ventilation system. 365630
Branson, J.R.
The deposition of sulphur dioxide to pine forest assessed by radioactive tracer method. 357531
Branzburg, M.Z.
Cd^2, Cu^2, Pb^2 compounds with cinnamic acid. 375550
Brar, G.S.
Pau mutant Basmati 370 – a semi-dwarf high yielding and high quality rice variety. 367648
Brasching, H.
Neutron therapy in the GDR. 8. 355094
Brash, D.W.
Isotopic studies on the uptake of sulphur by pasture plants. 367569, 367571
Brasil, O.G.
Contribution to the study of ^{14}C-acetate as the precursor of aminoacids in detached leaves of coffee (Coffea arabica cv. Mundo Novo). (INIS-mf – 4080) 365478
Brason, J.G.
Measurement of inclusive muon pair production by 225-GeV/c π^+, π^-, and proton beams with a large acceptance spectrometers. (COO – 3072-81) 377789

Brassard, C.
Doubly peaked helium depth profiles in copper and blistering. 362550
Brassington, N.J.
The pure rotation Raman spectra of $^3H_2$ and SO_3 and the vibration-rotation Raman spectrum of $^3H_2$. 366326
Bratashevskij, Yu.A.
To the problem of electron scattering in Pbsub(1-x)Snsub(x)Te. 371570
Brateman, L.
The energy and directional response of Harshaw TLD-100 thermoluminescent dosimeters in the diagnostic X-ray energy range. 361048
Energy dependence of correction factors for some low-energy direct-reading pocket dosimeters. 374346
Bratenahl, A.
On reconnexion experiments and their interpretation. 366502
Braterskaya, G.N.
High-temperature oxidation of Ag-Ni pseudo-alloys with ZnS-, MoS_2 sulfide additions. 349369
Bratis, J.
Work-energy characterization for core-disruptive accidents. (CONF-761001 – P3) 365576
Bratolyubova-Tsulukidze, L.S.
Correlation of hard x-ray source positions with globular clusters. 369037
Observation of discret sources of hard x radiation on the "Kosmos-428"satellite. 376611
Bratton, T.R.
Experimental differential cross section for electron capture from helium by 293 keV protons. 350582
Brattsev, V.A.
Basic regularities of carboranes-12 redox isomerization. 359699
Intramolecular nucleophilic splitting of 3-hydroxy-1,2-and 2-hydroxy-1,7-dicarbacloso-dodecaboranes (12). 369601
Selectivity of deuterium exchange in dodecahydro-7,8-dicarbanidoundecarborate (1-), 7,8-$C_2B_9H_{12}^-$. 369645
Bratu, G.
Electron beam dosimetry by induced fluorescence in irradiated cellulose triacetate films. 358350
Bratu, I.
Some contributions to the investigation of V_2O_5 – MoO_3 system. 356555
Brau, C.
Simple, pulsed, electron beam gun. 350583
Braude, I.S.
The defect structure of Ba-doped γ-irradiated KCl crystals. 375941
Braude, S.Ya.
Survey of data for determining scales of the absolute flux densities in 10-180 MHz range and source spectra in the declination strip 10°-20°. 366670
Brauer, F.P.
Mobile nondestructive assay verification and measurement system. (BNWL-SA – 6113) 366193
Braun-Elwert, G.
The negative-ion test injector of the Munich MP tandem and the HICONEX 834 sputter source. 357867
Braun-Keller, E.
Multiple scattering in the Compton effect. IV. Operator formalism for nonstationary electrons. 358711
Multiple scattering in the Compton effect. V. Bounds on errors associated with multiple-scattering corrections. 358712
Braun-Munzinger, P.
Bombarding energy dependence of deep inelastic fragment kinetic energies. 351341
Diffusion model analysis of the energy dependence of fission-like mass distributions. 354043
Isotope and element distributions of the evaporation residues from fusion of 160 MeV ^{32}S with ^{24} ^{25} ^{26}Mg and ^{27}Al. 364818
Braun, A.
Hyphal walls of isolated lichen fungi. 352060
Braun, A.G.
The effect of the cooling rate during quenching, electron bombardment and plastic deformation on the kinetics of a solid solution disintegration in iron-copper alloys. (KFTI – 74-47) 355980
Braun, C.
Waste management and proliferation: an assessment of technologies and policies relevant to nuclear power. Final report, June 1975 – March 1977. (BNL – 50694) 366069
Braun, C.L.
Experimental validation of a fundamental theory of photoconductivity quantum yields. (INIS-mf – 4127) 363966
Braun, H.
On-line slurry analyses by californium-252. 373945
Structure and superconducting properties of sputtered Nb_3Ge films. 359902
Braun, J.D.
Microstructural science. Volume 5. 369919, 369977, 370010, 370694, 370695, 370727
Braun, J.P.
Measurement of water volumes in different animal species with radioisotopes. 376173
Braun, M.
The angular distribution of sputtered particles measured by RBS analysis of the collected patticles. 368771
Braun, O.
New information about the kaon-nucleon-hyperon coupling constants g(anti KNΣ(1197)), g(anti KNΣ(1385)) and g(anti KNΛ(1405)). 356497
Braune, B.
Light wave conductor as a medium of modern image transmission. 365767
Braune, M.
Exponential sum approximation of the transmission function in measuring the mass per unit area. 373946
Braunlich, P.
Investigation of laser-induced pre-breakdown modifications and their effect on optical damage threshold. Annual progress report, September 15, 1976 – June 15, 1977. (RLO – 2221-T13-1) 373314
Braunschweig, D.
Sp(6,R) symmetry and α-breaking amplitudes of giant E2 excitations in light nuclei. 377894
Braunschweig, W.
Evidence for the F meson. 353947
Measurements of tau decay modes and a precise determination of the mass. 372505
On the origin of inclusive electron events in e^+e^- annihilation between 3.6 and 5.2 GeV. 353772
On the semileptonic decay of charmed hadrons. 356496, 364566
Braver-Chernobul'skaya, B.S.
Unithiol – a cobalt antidote. (KFK-tr – 529) 351477
Brawer, S.A.
Optical properties of trivalent chromium in silicate glasses: A study of energy levels in the crossing region. 351853
Raman spectroscopic study of hexavalent chromium in some silicate and borate glasses. 360010
Bray, K.H.
Energy levels of ^{16}O near 15 MeV excitation from ^{15}N + p reactions. 372754
Levels of ^{16}O near 13 MeV excitation from ^{15}N + p reactions. 354165
Bray, R.J.
A new determination of the granule/intergranule contrast. 366671
Brayman, K.W.
Improved support for nuclear fuel rods. (German (F.R.) patent document 2618837/A/) 352478
Spacer for nuclear reactor fuel rods. (German (F.R.) patent document 2609120/A/) 355262
Brayshaw, D.D.
Boundary condition method. 372371
Three-body mechanism for narrow resonances. 351141
Brazovskij, S.A.
First order magnetic phase transitions and fluctuations. 368748
Breare, J.M.
The flash tube discharge mechanism from a study of the digitization pulse output. 368277
Breborowicz, J.
The radioimmunoassay of CEA (carcinoembryonic antigen of Gold) in plasma of colorectal carcinoma patients. 367689
Brebrick, R.F.
Quantitative fits to the liquidus line and high temperature thermodynamic data for InSb, GaSb, InAs, and GaAs. 357254
Brecher, C.
Investigations of coordination in rare-earth-doped glasses by means of laser-induced fluorescence line-narrowing spectroscopy. 362512
Brecher, K.
Is the speed of light independent of the velocity of the source. 366672
Quark bags or interacting neutrons: A "neutron" star test. 350987
X-ray lines and magnetic field of Her X-1. 369038
Brecher, L.E.
Use of a very-high-temperature nuclear reactor in the manufacture of synthetic fuels. 370956
Brecht, S.H.
Neutral beam driven convective loss cone instability in toroidal geometry. 350867
Bredenfel'd, N.F.
Cathodoluminescence properties of Gd_2O_3-Y_2O_3-Eu_2O_3, Gd_2O_3-La_2O_3-Eu_2O_3 oxide systems. 356999
Bredenfel'd, N.V.
Cathodoluminescence properties of Gd_2O_3-ZrO_2 oxides system activated by europium. 357000
Cathodoluminescence properties of rare earth oxysulfide solid solutions. 349205, 359589
Brederlow, G.
The development of a high-power iodine laser in plasma physics institute in Garshing, GFR. 361426
Bredimas-Tripathi, V.
Growth of tellurium monocrystals by hydrothermal process. 357210
Breding, D.R.
Digital SLIFER Recorder, Model A. (SAND – 77-0930) 379967
Breedlove, J.R. Jr.
Image restorations constrained by a multiply exposed picture. (LA-UR – 77-1790) 360740
Scan – playback corrections. 366058
Breemer, N.C.
Fuel elements and fuel element materials – Dodewaard-on site fuel inspection of Pu assemblies. 370873
Breen, R.
Development of utility non-LOCA safety analysis methods. 360444
Breest, H.C.
Purpose and licensing status of the ASSE test storage facility. 376826
Breev, V.M.
Changes in the arrangement of equipment for the ITEP secondary particle channels. Acceptable sizes of particle sources and estimations of tolerances for parameters of elements in the ITEP universal channels. (ITEF – 18) 376356

Breev, V.V.
On calculating an optimum MHD generator. Statement of the problem and an algorithm for optimum solution. Part 2. (IAE - 2390) 353722
Bregadze, V.I.
Nuclear quadrupole resonance of hetero-organic compounds of group 3 elements. 349236
Bregadze, Yu.I.
Comparative study of the absorbed dose rate of mixed gamma and neutron radiations in the WWR-M reactor experimental channel for biological studies. 379381
Ionization dosemeter. (Soviet patent document 440622/A/) 355509
Bregani, F.
Design of a shipping cask for irradiated nuclear fuel. 359843
Breger, A.Kh.
Progress in developing radiation-chemical plants with electron accelerators. (INIS-mf - 4194) 376374
Realization of radiation-chemical processes in national economy-important stage of scientific and technical progress. 349343
Breger, M.
Intracluster dust, circumstellar shells, and the wavelength dependence of polarization in orion. 350988
Brehin, S.
A detector for high-energy neutrino interactions. 379899
Brehm, J.J.
Unitarity and the isobar model: two-body discontinuities. 372372
Brehm, W.F.
Corrosion considerations in alloy development. (CONF-760503 - P2) 352724
Effect of oxygen in sodium upon radionuclide release from austenitic stainless steel. (IWGFR - 7) 360966
Techniques for studying corrosion and deposition of radioactive materials in sodium loops. (IWGFR - 7) 360967
Breidenbach, M.
D meson production and decay in e^+e^- annihilation at 4.03 and 4.41 GeV c.m. energy. 353989
K^0 production in e^+e^- annihilation. 353983
Properties of the proposed tau charged lepton. 356517
Quantum numbers and decay modes of the resonances psi(3095) and psi(3684). (SLAC-PUB - 1599) 359334
Spin analysis of charmed mesons produced in e^+e^- annihilation. 351228
Breinholt Larsen, F.
Public involvement in danish energy policy. (INIS-mf - 4199) 373860
Breinlich, P.
Thermal conductivity of plasma-sprayed molybdenum. (IKE - 5-204) 349448
Breit, A.
Computer tomography in therapy planning. 376255
Breit, H.
Compounds made of aluminium and irradiation grafted polypropylene. (SGAE - 2723) 354423
Breitlaender, H.
Experience from purification of sodium-wetted components at the KNK-facility. (CONF-760503 - P2) 352797
The handling system. 376588
Breitling, H.
Derivation of time dependent design-values for SNR 300 structural material. (IWGFR - 11) 354532
Influence of creep-fatigue interaction on behaviour of type 304 stainless steel. (IWGFR - 11) 355218
Breitling, W.
Inelastic neutron scattering study of the quasi-1d Heisenberg antiferromagnet $CsMnBr_3$. 361427
Breitung, W.
Calculational and experimental approaches to the equation of state of irradiated fuel. (KFK - 2493) 367326
Brejdo, V.I.
Stabilization system of scintillation radiometric circuit. 361071
Brejzman, B.N.
Electromagnetic radiation from a localized Langmuir perturbation. 377359
Stationary spectra of high frequency oscillations of a plasma in a magnetic field. 377360
Brekhovskij, S.M.
Investigation of structure and local radiation centers of glass of Al_2O_3 - SiO_2 system by spectroscopic methods. 375942
Brekke, A.
Altitude of the eastward and westward auroral electrojets. 351970
Brem, A.A.
Characteristics of small-sized scintillation detectors for neutron logging. 365257
Prospecting beryllium from a truck. 354643
Breman, W.
Oxidation treatment of pyrolytically deposited β-SiC in an atmosphere of CO-CO_2 gas mixtures. 373292
Bremen, W.
Siliconcarbide as a protective coat on grafitic materials for the HTR. (Juel - 1422) 354582
Bremer, J.
Diurnal, seasonal and solar-cycle variations of electron densities in the ionospheric D- and E-regions. 354702
Bremner, J.M.
Role of organic matter in volatilization of sulphur and nitrogen from soils. 357448
Bremseth, M.D.
Support for a nuclear future: student response to the CRBRP. (CONF-771109 - 49) 379222
Brendel, A.
Multidoored analogical scintigraphic device. Measurement of the ejection fraction. 354927
Brenig, W.
Chemisorption of H, O and CO on transition metals. 365140
Brenkle, J.P.
Viking relativity experiment. 366755
Viking solar corona experiment. 366768
Brenn, R.
Angular distributions of characteristic X-rays emitted in 21MeV $Ne \rightarrow Ar$ collisions. 358713
Brennan, J.G.
Comparison of theoretical models for the electronic stopping power of low-velocity heavy ions. 351258
Brennan, J.M.
Magnetic moments of the 2^+ first excited states of even iron isotopes. 359463
Brennan, M.
Test data on electrical contacts at high surface velocities and high current densities for homopolar generators. (CONF-771029 - 121) 377361
Brennan, M.H.
An investigation of the composition of a hydrogen plasma using magnetoacoustic oscillations. (FUPH-R - 145) 356089
Observation of nonlinear effects in the propagation of m = 0 torsional hydromagnetic waves. (FUPH-R - 144) 356088
Brennan, P.C.
Dose-effect relationships for fife shortening, tumorigenesis, and systemic injuries in mice irradiated with fission neutron or ^{60}Co gamma radiation. 354765
Brenner, D.M.
Laser isotope separation. Photochemical scavenging of chlorine-37 by bromobenzene. 357001
Brenner, D.S.
Cluster-vibrational-field model for ^{95}Mo and levels populated in the decay of ^{95}Tc/sup m ,g/. 351391
Unique first forbidden beta decay of ^{183}Re and ^{185}Os. 359464
Brenning, N.
Electron temperature measurements in lowdensity plasmas by helium spectroscopy. (TRITA-EPP - 77-24) 361506
Brenot, J.C.
Direct and charge-exchange inelastic processes in ion-atom collisions. 348738
Brentano, P. von
Charge distributions of sulfur ions at energies between 70 and 140 MeV. 361391
Brenton, A.G.
Experimental determination of total scattering cross sections for positron-helium collisions. 348654
Total cross sections for the scattering of positrons by neon and argon. 368615
Brenzikofer, R.
Boson spin tests from sequential decays: spin-parity analysis of the F_1 meson. 377814
Breonce, P.
Description of the 4πβ(CP)-γ unit no. 3 in use at B.I.P.M. (BIPM - 75-2) 355080
Brescansin, L.M.
The lattice dynamics of six prominent B.C.C. transition metals. (UEC-S - 182/52/75) 363967
Bresesti, M.
Development and application of safeguards techniques in the nuclear fuel cycle of the European Community. 371290
Post irradiation examination of the fuel discharged from the Trino Vercellese reactor after the 2nd irradiation cycle. (EUR - 5605) 360838
Breshears, J.D.
Automated sample-processing and titration system for determining uranium in nuclear materials. (UCRL - 52351) 380122
Breskin, A.
A fast, bidimensional, position-sensitive detection system for heavy ions. (WIS-PH - 77/34) 366007, 379866
A simple and accurate method for bidimensional position read-out of parallel plate avalanche counters. 358351, 366008
Timing properties of parallel plate avalanche counters with light particles. (WIS-Ph - 77/15) 368278
Breslavets, K.G.
Cryovacuum helium adsorption by microporous carbon adsorbents. (KFTI - 75-10) 357907
The initial part of the isotherms diagram of cryovacuum hydrogen absorption by adsorbent carbon in low pressure measuring. (KFTI - 75-10) 352374
Non-condensable air component distribution in the porous system of adsorbent carbon at 20.4 K. (KFTI - 75-10) 352375
On the problem of cryovacuum hydrogen adsorption by birch activated carbon in the presence of helium. (KFTI - 75-10) 352376
Breslin, A.J.
Methods used by HASL for ambient radon studies. (HASL - 325) 378902
Radon workshop, February 1977. (HASL - 325) 378892, 378899, 378900, 378902, 378904, 378905, 378911, 378912, 378913, 378914, 378915, 378916, 378917, 378930, 378932, 378933, 378938, 378941, 378943, 378944, 378945, 378949, 378952
Randon workshop, February 1977. (HASL - 325) 378833, 378931
Breslin, J.T.
Low-temperature specific heat anomalies in the group V transition metals. 367258
Bressan, D.J.
The continental component of a Pacific Marine aerosol. 375304

Bressani, T.
Measurement of the differential cross section for $\pi^- p \rightarrow \pi^0 n$ around the Δ(1232) resonance and test of the charge independence principle. 362072
Bressers, J.
Comparison of the effect of neutron irradiation on high purity vanadium and vanadium oxygen alloys. 357402
Influence of oxygen on void-swelling in neutron-irradiated vanadium. 357403
Bressiani, J.C.
Increase in the corrosion resistance through precipitation in zircalloy – 4. 351793
Bret, A.
In-service inspection and monitoring of LMFBR in France. (IWGFR – 10) 363495
Bretfeld, H.
Application of acoustic emission analysis during loading of a pressure vessel by pulsating internal pressure. 365800
Bretfeld, W.
Effects due to Coulomb interaction in the sequential decay reaction $^2H(\alpha, p\alpha)n$. 351271
Quasi-free contributions in the $^6Li(d,tp)^4He$-reaction at Esub(d) = 0.465 MeV. 356867
Breth, A.
Proceedings of the seventh international vacuum congress and the third international conference on solid surfaces. Volume 1. 368639, 368671, 368728, 368730, 368731, 368732, 368733, 368734, 368735, 368739, 368741, 368742, 368743, 368744, 368745, 368749, 368752, 368753, 368754, 368755, 368756, 368758, 368761, 368762, 368763, 368770, 368771, 368772, 368775, 368776, 368778, 368780, 368781, 368783, 368786, 368787, 368788, 368791, 368792, 368793, 368799, 368800, 368801, 368802, 368805, 368807, 368812, 368814, 368817, 368819, 368820, 368822, 368826, 368827, 368829, 368830, 368831, 368836, 368839, 368846, 368848, 368849, 368854, 368855, 368859, 368860, 368861, 368862, 368863, 368865, 368866, 368868, 368869, 368871, 368872, 368874, 368876, 368877, 368878, 368880, 368884, 368885, 368888, 368889, 368890, 368893, 368895, 368897, 368904, 368905, 368906, 368916, 368918, 368925, 368935, 368939, 368942, 368948, 368964, 368978, 368980, 368992, 368993, 369005, 369006, 369010, 369246, 369250, 369253, 369524, 369533, 369556, 369561, 369572, 369578, 369796, 369900, 369901, 369903, 369906, 369907, 369908, 369916, 369918, 369921, 369923, 369925, 369941, 369946, 369959, 369962, 369973, 369987, 369993, 369996, 369999, 370005, 370014, 370026, 370031, 370033, 370035, 370038, 370040, 370055, 370056, 370060, 370070, 370071, 370072, 370075, 370137, 370158, 370181, 370185, 370207, 370228, 370233, 370674, 370675, 370676, 370677, 370680, 370683, 370738, 370743, 370749, 370752, 370755, 370764, 370767, 370775, 371083, 371089, 371178
Brethauer, G.E.
Geologic effects of the long shot explosion, Amchitaka Island, Alaska. (USGS – 474-245) 352397
Breton, H.
Influence of process gas temperature on the uranium isotope separation in the separation nozzle. (KFK – 2466) 360553
Breton, J.
High-resolution photodissociation study in H_2 from 850 A to 750 A. 377018
High-resolution photodissociation study in H_2 from 850A to 750A. 353253
Bretz, N.
Multichannel Thomson scattering apparatus. (PPPL – 1356) 356090
Bretz, N.L.
Scheme for evaluating T/sub e//T/sub i/ and Z-bar by light scattering. 350809
Breuckmann, B.
The K auger spectrum of the free magnesium atom. 374601
Super Coster-Kronig and Coster-Kronig transitions of Zn and Xe. 358757, 377032
Breuel, C.
The influence of roentgen contrast media on thyroid function. (INIS-mf – 4010) 370460
Breuel, H.-P.
Experimantal determination of kidney perfusion in dogs, using sup(99m)Tc-pertechnetate. (INIS-mf – 4010) 357672
Investigations on the renal transit time of ^{131}I-hippuran. (INIS-mf – 4010) 357692
Breuel, H.P.
Functional scintigraphy of left ventricle contraction. (INIS-mf – 4010) 365492
Functional scintigraphy of left ventricle contractions. (INIS-mf – 4010) 367690
The influence of roentgen contrast media on thyroid function. (INIS-mf – 4010) 370460
Quantitative assessment using gamma camera and computer of thyroid scintigraphs for the diagnosis of autonomous adenomas. (INIS-mf – 4010) 370456
Regional myocardial perfusion and contractability in ischaemic regions. (INIS-mf – 4010) 362818
Results of functional scintigraphy of liver and biliary tract with sup(99m)Tc-labelled IDA-derivates. (INIS-mf – 4010) 370457
Thyroid hormones and TRH-test during pregnancy. (INIS-mf – 4010) 370458
Breuer, H.
Experiments on the influence of non-system parameters on the tracer dilution curve. (INIS-mf – 4010) 363096
Breuer, R.
The development of nuclear law 1974-1976. 376824
Breuer, R.A.
Polarization transport in anisotropic universes. 372111
Some properties of spin-weighted spheroidal harmonics. 359058
Breun, R.
SURMACS. (EPRI-ER – 536-SR) 372092
Breun, R.A.
Surface multipole guide field for plasma injection. 358919
Breusov, O.N.
Nuclear quadrupole resonance spectra of antimony-cadmium-zinc alloys. 378681
Shock waves effect on zirconium dioxide. 349560
Brevnov, N.N.
Design and physical principles of the finger-ring T-12 Tokamak with two axisymmetrical diverters. (ORNL-tr – 4530) 377355
Physical principles and design of the T-9 tokamak. (IAE – 2443) 364175
Vertical plasma stability in the T-12 finger-ring tokamak with two poloidal divertors. (INIS-mf – 3963) 371761
Brevnova, N.V.
Device for failed fuel elements detection of water cooled reactor after shutdown. (Soviet patent document 274994/A/) 376457
Brewen, J.G.
Application of mammalian cytogenetics to mutagenicity studies. (CONF-770718 – 4) 360219
Brewer, A.W.
JBK-75 microstructure specification recommendation. (RFP – 2614) 373165
Brewer, E.N.
The reduction of radiation-induced mitotic delay by caffeine: a test of the cyclic AMP hypothesis. 376083
Brewer, J.H.
Muonium chemistry in the gas phase. 358741
Brewer, L.W.
Environmental monitoring at the WIPP site CY 1976. (SAND – 77-1021) 367737
Brewer, P.G.
Distribution of some chemical elements between dissolved and particulate phases in the ocean. Period covered: August 1, 1976 – October 31, 1977. (COO – 3566-19) 379302
Brewer, W.D.
Review paper: "Brute-force" nuclear orientation: A survey of accomplishments and problems to date. 351234
Brewington, P. Jr.
Expansion of government capacity. 363055
Brey, H.L.
Fort St. Vrain startup experience. 358267
Brey, L.A.
High pressure study of the effect of viscosity on the quenching of naphthalene fluorescence by biacetyl. 369602
Breyer, W.
Economic aspects of power generation in HTR reactors. 371228
Brezhneva, N.E.
Extraction of alkaline earth elements by carboxylic earth elements by carboxylic acids. 357113
Properties of phosphate and silicate glasses used for the solidification of radioactive waste. 358513
Brezin, E.
Perturbation theory at large orders for a potential with degenerate minima. 358636
Brian, B.W.
Flooding and mass transfer in Goodloe-packed columns, Part 2. (ORNL/MIT – 253) 358244
Briand, A.
In situ measurement of filter efficiency in the nuclear industry, using the sodium fluoresceinate (uranine) aerosol method, AFNOR NFX 44 011 standard. 360498
Measurement in the laboratory and in the factory of the efficiency of the filter elements and filter paper by the sodium fluoresceinate uranine method. AFNOR NFX 44 011 standard. 360499
Briand, H.
Boson spin tests from sequential decays: spin-parity analysis of the F_1 meson. 377814
Briand, J.P.
High velocity symmetric and non symmetric collisions with 200 MeV Fe ions – Influence of target thickness. 353345
Briandet, Ph.
Computer processing and display of dynamic images in nuclear medicine. (INIS-mf – 4010) 368335
Brianson, Sh.
High-spin energy states of ^{233}U. 377973
Briaris, D.A.
The feasibility of remotely separating and rejoining the main coolant pipes of a fusion reactor. (CLM-R – 174) 356091
Briatore, L.
Results of the Torino search for quarks. 369362
Verifying the gravitational shift due to the earth's rotation. 353045
Brice, D.K.
Analytical techniques in ion implantation range and energy deposition theory. (SAND – 77-0758) 355863
Ion implantation range and energy deposition codes COREL, RASE4, and DAMG2. (SAND – 75-0622) 372568
Bricka, Michel
Linear formulation about neutron spectrometry – Model spectra method. (CEA-R – 4825) 361025
Brickman, A.S.
Skeletal imaging in metabolic bone disease. 354942
Bridge, H.S.
The plasma experiment on the 1977 Voyager Mission. 374882
Bridgman, C.J.
Application of space-angle synthesis to two-dimensional neutral-particle transport problems of weapon physics. 372563

Bridle, A.H.
The radio source near NGC 2823. 374907
Briec, M.
Tritium formation and elimination in light-water nuclear plants. 368136
Briec, Michel
Process and bithermal type isotope exchange system. 373914
Brieger, M.
Differential cross section for the electronically inelastic process $K(4^2S) + N_2 (v = o) \rightarrow K(4^2P) + N_2 (v')$ near threshold. 353301, 377071
Brient, C.
$^{104\ 106}Pd(p,n)\ ^{104\ 106}Ag$, spin, parity and structure studies. (BNL-NCS – 22500) 356742
$^{104\ 106}Pd(p,n,\gamma)\ ^{104\ 106}Ag$ energy levels. (BNL-NCS – 22500) 356743
Brient, C.E.
Trapping efficiency of molten lithium for 20-keV tritium ions. 350611
Briere, J.
In beam collection of ^{123}Xe for carrier-free ^{123}I production. 376236
Brieva, F.A.
Nucleon-nucleus optical model potential. I. 366924
Nucleon-nucleus optical model potential. II. 366925
Quasielastic electron scattering from nuclei. 369408
Briffod, G.
Experimental evidence of ion heating by transit time magnetic pumping. 353516
Tokamak discharges in Petula with alumina chamber. (INIS-mf – 3963) 371737
Briggs, C.K.
Kinetics of the radiation-induced exchange reactions of H_2, D_2, and T_2: a review. (UCRL – 52380) 378377
Ortho-para forms of hydrogen, deuterium, and tritium: radiation and self-induced conversion kinetics and equilibria. (UCRL – 52278) 353007
Briggs, G.A.
Voyager imaging experiment. 374966
Briggs, G.P.
Differences in buoyant-density properties of Coxiella burnetii and Rickettsia rickettsii. 352025
Briggs, J.S.
Charge transfer in C^{6+}-H(1s) collisions at low velocity. 350690
Briggs, L.L.
Comparison of constrained finite elements and response matrices as one-dimensional transport approximations. 352436
Inclusion of buckling approximations in finite element neutron transport methods. 360773
Briggs, R.
Stable propagation of a high-current electron beam: experimental observations and computational modeling. (UCID – 17516) 366507
Briggs, R.J.
Intense Pulsed Ion Neutral Source (IPINS). (UCRL – 79965) 377517
Brighenti, G.
Experiments carried out in the RB-2 reactor by null reactivity oscillator method on HTR lattices. 360793
Brightwell, J.
Bronchopulmonary lavage. 354831
Brihaye, Y.
Magnetic monopoles in SU(4) gauge theories. 358637
Brik, A.B.
ENDOR on "forbidden" transitions. Ti^{3+}(Li) centers in quartz. 355965
On a new effect in electron-nuclear double resonance in distant nuclei. 348772
Brikenshtejn, A.A.
Post-radiation solidification of oligocarbonateacrylates. 357133
Brikenshtejn, Kh.-M.A.
Reduction of N_2 on $Ti(OH)_3$-Mo(3)-sodium amalgam system. 359667
Brilkina, T.G.
Peroxide organometallic compounds and their transformations. 349282
Brill, A.B.
Techniques for measuring regional and total-body bone mineral mass to bone function ratios. 354955
Brill, D.
Maximal surfaces in closed and open spacetimes. 355731
Brill, D.R.
Sensitivity of radionuclide isotope brain scan in cerebral melioidosis: case report. 373642
Brill, G.
The use of ejection fraction, heart-minute-volume and time-dependent volume changes of the heart, determined with nuclear medicine methods. (INIS-mf – 4010) 362801
Brill, R.A.
Three Mile Island Startup program and its contributions to plant performance. 358210
Brillet, A.
Quantitative description of the saturated absorption signal in iodine stabilized He-Ne lasers. 353199
Brilliant, M.D.
Principles of biological dosimetry in acute radiation sickness. 349942
Brimhall, J.L.
Body-centered cubic ion correlation experiment. (BNWL – 2293) 373337
Effect of helium on void formation in nickel. 357404
Brinati, J.R.
The analog resonance of ^{208}Pb. 350486
Stripping reactions in a three-body system. Comparison of DWBA and exact solutions. (INIS-mf – 4007) 350485
Brinckmann, H.-F.
Collective excitations in the $^{123\ 125}I$ nuclei. 356777
Bringer, A.
Susceptibility of rare earth compounds in the intermediate valence state. 375921
Brink, B.O. ten
On the theoretical description of sup(71, 73) Arsenic, ch. 6. (INIS-mf – 4176) 369409
The structure of sup(69, 71, 73)Arsenic, ch. 5. (INIS-mf – 4176) 369470
Brinkerhoff, L.C.
Retraining and requalification of reactor operators and supervisors of ERDA-owned reactors. 358113
Brinkley, F.W. Jr.
TRIDENT: a two-dimensional, multigroup, triangular mesh discrete ordinates, explicit neutron transport code. (LA – 6735-M) 351251
Brinkman, A.C.
ANS results on x-ray binaries. (CONF-7510169 –) 364336
Measurements of A0620-00 with ANS. (CONF-7510169 –) 364290
Observations of Cygnus X-3 by ANS. (CONF-7510169 –) 364289
Brinkman, C.R.
Elevated-temperature fatigue characterization of transition joint weld metal and composite material in support of LMFBR steam generator development. (CONF-770524 – 3) 351701
Mechanical property characterization in support of elevated temperature reactor design. 373321
Overview of the U.S. programs on properties of primary circuit materials. (CONF-771052 – 2) 371012
Brinkman, W.F.
Textural singularities in superfluid ^{3}He-B. 372326
Textural singularities in the superfluid a phase of ^{3}He. 351108
Brinkmann, D.
Heat exchanger configuration for a closed gas circuit, e.g. of a heat power plant. (German (F.R.) patent document 2328556/A/) 355414
Brinkmann, H.
Experimental power ramps in KWO and KWR-A fuel elements. 370836
Brinkmann, U.
Luminescent reactions between calcium atoms in metastable states and hydrogen chloride. 376979
Brinkmann, W.
Magnetohydrodynamic calculations on pulsar magnetospheres. (INIS-mf – 4208) 374883
Brinkschulte, H.
First results on the confinement of a laser-produced plasma in the W IIb stellarator. (INIS-mf – 3963) 371741
Brinton, H.C.
Observations of neutral composition and related ionospheric variations during a magnetic storm in February 1974. 360193
Brinza, V.N.
The role of columnar crystals in scab formation during stainless steel ingot rolling. 349389
Briody, R.F.
Process plant. (UK patent document 1486035/A/) 358325
Brion, C.E.
Branching ratio and the partial photoionization cross-section for the 3s electron of argon. 377128
Penning ionization electron spectroscopy of HF, HCl, HBr and HI using He* (2^3S) metastable atoms. 353200
Briones, F.
Structure of triode sputtered tantalum films on glass substrates. 369916
Brisbois, J.
Possibility of adapting high-temperature reactors with steam turbines to European conditions. 379670
Brisbois, Jacques
High temperature nuclear reactors. 355415
Briscoe, G.J.
Risk management guide. (ERDA – 76-45/11) 362875
Briskin, S.N.
Radioisotope X-ray fluorescence analyzer for elemental rock and ore analysis in natural deposits. (Czechoslovak patent document 157766/B/) 371174
Briskina, Ch.M.
Excitation transfer and structure of luminescence centers in crystals of some rare earth chelates activated by europium. (INIS-mf – 3955) 362168
Spectral-luminescent characteristics of Nd^{3+} in the $LaCl_3$-$NdCl_3$ system. (INIS-mf – 3955) 362169
Spectral-luminescent investigations of MeCl-$AlCl_3$-$NdCl_3$ systems (M = K, Cs). (INIS-mf – 3955) 362377
Brissaud, I.
Determination of the penetration range with the aid of total cross sections of protons, pions and alpha particles between 200 MeV and 2 GeV. 356498
Elastic and inelastic scattering of 800 MeV protons from ^{89}Y and ^{90}Zr. (TID – 27909) 377980
Brisson, D.A.
Cesium heat-pipe neutral particle spectrometer. (TID – 27705) 361507
Brisson, V.
Study of neutrino proton elastic scattering in the 'Gargamelle' freon experiment. 377821
Bristoti, A.
Study of the transitions in $K_4Fe(CN)_6.3H_2O$. (INIS-mf – 4127) 363968

Bristow, H.A.S.
Design of facilities for processing pyrophoric radioactive material. 359844
Some experience in HEPA filtration at DERE and AWRE. 359854
Brito, J. de
Spectrographic determination of rare earths in thorium compounds. Chromatographic preconcentration in an acid-ether-cellulose system. (IEA – 415) 354284
Brito, R.
Compacting and high-versatile temperature controller. 365718
Brito, R.M. de
Systems for data acquisition with computer HP2114. 355691
Brits, R.J.N.
The influence of seasonal changes in the concentration of trace elements in liver tissue of various wild animals determined by instrumental neutron activation analysis. 369577
Britsyn, K.I.
Optical seal based on ceramics of lead zirconate-titanates doped with lanthanum. 370107
Britt
Evaporation residues from the (^{7}Li,α) reaction on ^{197}Au and ^{232}Th. (BNL-NCS – 22500) 356727
Simulation of (n,p) cross sections using charged particle reactions. (BNL-NCS – 22500) 356726
Brittain, H.G.
The use of hydroxynaphthol blue in the ultramicrodetermination of alkaline earth and lanthanide elements: an improved method. 364852
Brittain, I.
Loss-of-coolant accidents. Chapter 20. 357737
A review of some aspects of the validation of the RELAP-UK code for pressure tube reactor applications. 376552
The status of RELAP-UK Mk III at July 1976 – a program for transient thermal-hydraulic analysis. (AEEW-R – 1083) 370705
Brittaine, L.J.
An oil removal system for an oil-injected screw compressor on helium. 360639
Britton, C.V.
Susceptibility of solid ^{3}He near the ordering temperature. 366788
Britton, K.E.
Adrenal scanning using ^{75}Se cholesterol (Se MC). (INIS-mf – 4010) 370461
Coronary care: the place of positive myocardial scintigraphy. (INIS-mf – 4010) 362810
Regional cerebral blood flow – a new non-invasive method. (INIS-mf – 4010) 362717
Renal radionuclide techniques in their clinical context. 354918
Brixner, L.H.
Ferroelasticity in the $LnNbO_4$-type rare earth niobates. 362485
Brixy, H.
Noise thermometer temperature measurement under operating conditions of power reactors. 370848
Brizola, I.P.
Immunological aspects of ionizing radiations. 354769
Brkicj, S.
Professional exposure to ionizing radiation some hematological cytomorfological and immunological tests. 370661
Brloznik, M.
The influence of VC additions on the sintering of Ta-carbonitride based hard metals. (KFK-EXT – 6/77-1) 351835
Brnovicj, R.
Some ecologic characteristics of Co 60. 370275
Broad, J.T.
Inverse perturbation analysis; potential curves from term values and phase shifts. 368616
Broadfoot, A.L.
Ultraviolet spectrometer experiment for the Voyager mission. 374884
Broadhead, P.
Speed-granularity relations for X-ray and γ-ray exposures. 375943
Broadrick, G.L.
Radionuclide scanning in the diagnosis of splenic injury: a case report. 362785
Brobst, W.A.
The changing nature of nuclear transport. 350008
Nuclear fuel on the move: to where. 360677
United States experience in the transport of radioactive materials. 367952
Broch, M.
The commissioning of a nuclear power plant. 355263
Brock, W.R.
Pressure drop and heat transfer characteristics of refrigerant-114 boiling in a horizontal tube. (K – 1897) 376299
Brocken, H.J.B.M.
Skin heating and confinement in a tokamak plasma. (INIS-mf – 3963) 371916
Brockhouse, B.N.
Temperature dependence of phonons in pyrolitic graphite. (BNL – 23182) 373106
Brocklebank, R.B.
Nuclear reactor. (German (F.R.) patent document 1614939/B/) 352628
Brocklehurst, B.
Effect of a magnetic field on the fluorescence produced in irradiated anthracene solutions. 362253
Spin correlation in the geminate recombination of radical ions in hydrocarbons. 357138
Brocklehurst, J.E.
UKAEA reactor group studies of irradiation-induced creep in graphite. 360099
Brockmann, R.
Pseudoscalar and pseudovector coupling of a pion to a bound Dirac nucleon. 377895
Spin-orbit coupling in a relativistic Hartree-Fock model for finite nuclei. 364654
Broda, H.
Electron paramagnetic resonance in HgCrsub(2-x)Alsub(x)Se_4. 377211
Broda, R.
Isomers in the N = 83 nucleus ^{147}Gd. (ZfK – 336) 364795
Brodbeck, T.J.
A 480-channel lead glass Cherenkov detector. 355498
Brodda, B.G.
Remotely controlled computer-guided preparation facility for X-ray fluorescence measurement samples at a fuel reprocessing plant. 354470
Solvent performance in THTR nuclear fuel reprocessing. I. Calculation of doses received by TBP-n-paraffin extractant in reprocessing THTR fuels applying a Thorex flowsheet. 362320
Solvent performance in THTR nuclear fuel reprocessing. II. On the formation of dibutyl phosphoric acid by radiolytic and hydrolytic degradation of the TBP-n-paraffin extractant. 362321
Brode, P.F. III
Optically-detected radiofrequency studies of level anticrossings in phosphorescent crystals. 356950
Brodersen, S.
Determination of B_0 from the upsilon$_3$ Raman band of CD_4. 350584
Brodowicz, M.
Induction of mutations in antibiotic-producing microorganisms by fast neutrons from the U-120 cyclotron. 367471
Brodsky, S.J.
Constituent models and large transverse momentum reactions. (SLAC-PUB – 1733) 377790
Hadron production in nuclear collisions – a new parton-model approach. 372373
Impact of quantum electrodynamics. (SLAC-PUB – 1699) 376896
Recent advances in bound state quantum electrodynamics. (SLAC-PUB – 1966) 376897
Recent developments in the theory of large transverse momentum processes. (SLAC-PUB – 1806) 377791
Brody, H.
180^{0} production of protons in high-energy p, d, and α reactions in nuclei. 362043
Brody, R.S.
Multiple primary cancer risk after therapy for Hodgkins's disease. 373562
Brodzinski, R.L.
Fast-neutron sputtering of niobium. 358950
Fusion-neutron-induced nuclear recoil emission probabilities. 358951
Measurements of radon concentrations in the lunar atmosphere. (N – 77-22035) 366673
Rapid chemical separations for thermal neutron activation analysis of niobium and vanadium and application to controlled thermonuclear reactor materials studies. 375230
Sputtering of niobium by energetic neutrons and protons: A round-robin experiment. 350569
Broecker, B.
Radioactivities and amounts of waste during LWR nuclear power plant shutdown. 370901
Broecker, W.S.
Transport and transfer rates in the waters of the continental shelf. Annual report. (COO – 2185-19) 372838
Broeckerhoff, P.
Preliminary measurements at a kohlestein insulation. (Juel – 1430) 355219
Broennimann, A.
Tolerance to Septoria nodorum in wheat: Evaluation of the infection and selection method and the mutagenesis programme. 373704
Broering, J.
Calculation and test of the geometrical acceptance for the slow-proton-experiment at the CERN-OMEGA spectrometer. (BONN-IR – 76-44) 368279
Peripheral anti pn production and decay angular distributions in the reaction $\pi^{-}p \rightarrow$ (anti pn)p at 12 GeV/c incident momentum. (BONN-HE – 77-14) 366886
The slow proton trigger for the CERN OMEGA spectrometer. 368293
Broers, P.M.A.
Composition of saturated solutions from 360 K up to 570 K for beryllium sulfate + water. 351473
Broerse, J.J.
Build-up and depth-dose characteristics of different fast neutron beams relevant for radiotherapy. 373896
The importance of differences in intrinsic cellular radio-sensitivity for the effectiveness of neutron radiotherapy treatments. 378955
Brog, P.
The influence of water droplets of a cooling tower plume on the deposition of radioactive substances contained in waste air plumes from nuclear power plants. 370291
Broga, D.W.
Applications of liquid scintillation tubes. 366009
Brogdon, L.D.
Uranium favorability of late Eocene through Pliocene rocks of the South Texas Coastal Plain. (GJBX – 7(77)) 373418
Brogli, R.H.
Resource utilization of symbiotic HTGR systems. 352670

Broglia, R.A.
Estimate of double octupole phonon excitation in the Xe + Pb reaction using the coupled channel WKB approximation. 356817
Isovector pairing vibrations. 372583
Role of the Pauli principle in the spectrum of ^{211}Pb. 372731
Broj, K.
Measuring instruments for nuclear medicine. (INIS-mf – 4017) 374302
Brokaw, A.L.
Summary report on salt dissolution review meeting, March 29 – 30, 1977. (Y/OWI/TM – 31) 363669
Brolley, J.E.
Preliminary code development for seismic signal analysis related to test ban treaty questions. (LA-UR – 77-2672) 374027
Two-dimensional maximum entropy image restoration. (LA – 6897-MS) 350487
Bromand, B.
Labelling with radioisotopes, release and dispersal of the rove beetle, Aleochara bilineata Gyll. (Coleoptera: Staphylinidae) in a Danish cauliflower field. 367649
Bromberg, C.
Transverse-momentum properties of multipion systems produced in high-energy collisions. 359345
Bromley, C.
Computerized x-ray radiographic system for fuel pellet measurements. (HEDL-SA – 1274) 365915
Bromley, D.A.
The physics of large tandems. 357942
Quadrupole transfer strength studied through heavy-ion induced two-neutron transfer between the shape transitional nuclei ^{190} ^{192}Os. 359489
Bron, J.
Collective bands observed in single closed shell even mass Sn nuclei. (INIS-mf – 4267) 377982
Bronfman, B.H.
Study of community leaders in a nuclear host community: local issues, expectations and support and opposition. (ORNL/TM – 5997) 357719
Brongersma, H.H.
Do present 'charge transfer to the continuum' theories correctly describe the production of vsub(i) = vsub(e) electrons in ion beam-foil collisions. 361378
Bronin, F.A.
Investigating the changes in surface layers of VTZ-1 alloy under cavitation. (INIS-mf – 3914) 349544
Stability of titanium alloys under conditions of intensive ultrasonic cavitation. (INIS-mf – 3914) 349371
Bronnikova, I.A.
Various foodstuffs. 367665
Bronsema, K.
Radioactive waste, ch. 4. (INIS-mf – 4221) 379568
Bronshtejn, I.M.
Study of plasmon excitation at oblique incidence of intermediate energy primary electron beam in reflection experiments. 374686
Bronskill, M.J.
Compton-scatter tissue densitometry: calculation of single and multiple scatter photon fluences. 376177
Bronson, J.C.
Equation-of-state for fluids at high densities-hydrogen isotope measurements and thermodynamic derivations. (LA-UR – 77-1502) 351865
P – V – T and sound velocity data for fluid n-D_2 in the range 75-300 K and 2-20 kbar. (LA – 7018-MS) 371511
Thermodynamic properties of fluid n-H_2 in the range 75 to 307 K and 2 to 20 kbar. (LA – 6645-MS) 371510
Bronson, J.D.
Isoscalar breathing-mode state in ^{144}Sm and ^{208}Pb. 372833
Bronzan, J.B.
Ordered phase in Reggeon field theory. 358638
Brook, A.J.
Flow rundown experiments in a seven pin bundle. 374238
Temperature distribution and local boiling behind a central blockage in a simulated FBR subassembly. (CONF-761001 – P4) 362876
Brooke, J.N.
Uranium recovery from copper leaching operations. 369832
Brookeman, V.A.
Determination of internal radiation absorbed dose: a computer method. 365631
Brookes, G.R.
Observation of a baryon exchange dip and parton effects in backward photoproduction of ω. 372513
A 480-channel lead glass Cherenkov detector. 355498
Brooks, A.L.
Biological effects of $^{239}PuO_2$ inhalation in the Rhesus monkey. (LF – 56) 362718
Distribution, retention and cytogenetic effects of ^{239}Pu citrate in the testes of the Chinese hamster. (LF – 56) 362719
Rapid method for determining the relative solubility of plutonium aerosols. (LF – 56) 365281, 365447
Retention and distribution of inhaled, neutron-activated fly ash in the syrian hamster. (LF – 56) 364853
Techniques for determining turnover and cell type distribution in normal Chinese hamster lung. (LF – 56) 362726
Brooks, E.D. III
Momentum distributions of bonding electrons in molecules by electron knockout experiments. 353220
Brooks, G.L.
CANDU fuel cycles – present and future. 366165
The Cordoba and Wolsung projects: a progress report. (AECL – 5840F) 365958
Brooks, J.
Equilibrium field coil system for the Argonne EPR design. (CONF-771029 – 181) 377362
Prebiotic polymers and infrared spectra of galactic sources. 353718
Brooks, J.N.
Plasma driving system requirements for commercial tokamak fusion reactors. (CONF-771029 – 191) 377364
Plasma engineering studies for the tokamak experimental power reactor. (CONF-771029 – 190) 377540
Resistive requirements for the vacuum wall of a Tokamak Fusion Reactor. (CONF-771029 – 182) 377363
Brooks, J.S.
Damping of two-reservoir superfluid ^{4}He film oscillations below 1K. 356356
Brooks, J.W.
Cyanodiacetylene in W Hydrae. 349014
Brooks, K.M.
Long pulse microsphere experiments at 3 TW. (UCRL – 79779) 377357
Pinhole imaging of laser-produced thermonuclear alpha particles. (UCRL – 79780) 377365
Brooks, K.O.
Berkeley studies of faint stars at high latitudes. 369137
Brooks, M.H.
Detection and identification of failed fuel elements: HFBR. 358309
Brooks, N.A.
Cost analysis for application of solidified waste fission product canisters in U.S. Army steam plants. (BNWL – 2266) 363080
Brooks, N.H.
Studies of doublet plasmas in Doublet IIA. 358942
Broom, R.F.
Q factor and resonance amplitude of Josephson tunnel junctions. 369242
Broome, T.A.
A partial-wave analysis of world data for the reaction $\pi^- p \rightarrow K^0\Lambda$ from threshold to 2350 MeV/c. 353760
Broothaerts, J.
Treatment and control of gaseous effluents from light water reactors and reprocessing plants. 358473
Bros, J.
Analyticity properties and many-particle structure in general quantum field theory. Pt. 3. 353046
Brosa, U.
On the time scale of charge equilibration in heavy-ion reactions. 369410
Brosche, C.
Neutron physical investigations on the use of burnable poisons and gray absorber rods in large pressurized water reactors. (BMFT-FB-K – 77-07) 370909
Brosche, D.
Technical problems in connection with the decommissioning of nuclear facilities. 352589
Brosche, P.
The distribution of the angular momenta of galaxies. 369039
Brosco, G.
An upper limit for the radiative decay width of the J/psi resonance into eta'(958)+γ. 369353
Brosey, B.H.
A rad waste compaction program for a medical center. 355638
Bross, A.
Recent results from counter-spark chamber ν experiment at BNL. 353980
Bross, H.
Anisotropy of plasmon dispersion in Al. 371571
Brossard, J.P.
Improvements in and different applications of the DPTE double-port transfer system. 360678
Brosson, M.
Training in radiation protection given to personnel of nuclear power plants. 355677
Brost, O.
Heat transfer device. (German (F.R.) patent document 2350980/A/) 357900
Heat transfer equipment. (German (F.R.) patent document 2350980/B/) 352368
Broste, W.B.
Neutron-proton differential cross section measurements at 25.8 and 50.0 MeV. 359509
Broszkiewicz, R.K.
γ-radiolysis of liquid pentanes. The role of positive ions in the formation of stable products in irradiated isopentane and n-pentane. 365046
The paraffin-chloroform-dye (PCD) system for phantom dosimetry of the γ-radiation. 376612
Redox reactions of the $OsCl_5(H_2O)^-$ and $OsCl_6^{2-}$. 365045
Brot, C.
Complement to 'rotational diffusion and reorientations in molecular crystals'. 363969
Brothier, J.P.
Multidoored analogical scintigraphic device. Measurement of the ejection fraction. 354927
Brotzen, O.
Geology program. Time aspects on waste management. Progress report-August 77. (KBS-INF – 04) 366087
Brouard, J.
Relative lifetimes of five quasi-bound states of HeH^+. 358714
Broude, C.
Magnetic moments of N = 50 isotones and proton core polarization. 372761

Brough, W.G.
Instrumenting a pressure suppression experiment for a MK I boiling water reactor: another measurements engineering challenge. (UCRL – 52314) 379299
Brouillard, F.
Electron transfer in H^* – He^{++} collisions. 353368
Ion pair production in H(1S) + H(2S) collisions. 353216
Merged-beams study of the charge exchange between He^{2+} ions and highly excited hydrogen atoms. 348658
Brouillaud, B.
Depolarization of the 5p ²Psub(1/2) state of rubidium induced by collision with helium or xenon: a test of the molecular potential A²PIsub(1/2). 353201, 376980
Broulhiet, J.
Informing the public on the possibilities of the different energy sources. 380080
Brousseau, M.
Study by thermally stimulated capacitance techniques of defects introduced at low temperature by electron irradiation in p-silicon. 370139
Broutin, J.C.
Decontamination of materials after exposure in LMBFR primary circuit. (CONF-760503 – P2) 352765
Broutin, J.P.
Alpha contamination in Rapsodie. (IWGFR – 7) 361001
Brovchenko, V.G.
Multi-purpose differential discriminator. 363609
Multi-purpose linear discriminator. 363605
Broverman, A.Y.
Design philosophy and use of high voltage power systems for multi-megawatt ion beam accelerators. (CONF-771029 – 68) 371736
Brovko, A.P.
Determination of oxygen content in titanium alloys by fast neutron activation method. 375231
Browall, K.W.
Synthesis and evaluation of doped Y_2O_3-stabilized for the production of hydrogen. 357351
Brower, J.H.
Sterilization of 4-5-day-old pupae of the Indian meal moth with gamma radiation and its effect on mating competitiveness. 376166
Brower, R.C.
Hadron scattering in two-dimensional QCD. I. 364482
Hadron scattering in two-dimensional QCD. II. 364483
Brown
$^3H(\alpha,^6Li)n$ reaction at zero degrees. (BNL-NCS – 22500) 356728
Brown, A.E.
Instrument for ultrasonic measurement of physical quantities of flowing media, especially the flow velocity. (German (F.R.) patent document 2530202/B/) 360756
Brown, A.E.P.
Influence of zirconium on the extraction of niobium from nitric acid by phosphate esters. 359614
Optimization of the caldasite processing conditions by alcaline melting. (IEA – 453) 357002
Brown, A.F.
Secondary recrystallisation in 20 w/o Cr-25 w/o Ni-Nb stabilised stainless steel. (CEGB-RD/B/N – 3250) 351760
Brown, A.M.
$La_2Be_2O_5$: Nd laser crystals. 357370
Brown, B.A.
Lifetime of the 6^+_1 state in ^{42}Ti. 351339
Brown, B.B.
GAQ: a computer program to find and analyze axisymmetric MHD plasma equilibria. (GA-A – 14490) 377243
Brown, B.C.
Observation of a dimuon resonance at 9.5 GeV in 400-GeV proton-nucleus collisions. 351221
Observation of structure in the UPSILON region. 369378
Brown, B.S.
J/sub c/ changes after neutron irradiation of Nb_3Sn at 8 K. 373166
Brown, C.H.
Irradiation injury to the ureter and surgical tolerance. An experimental study. 360254
Brown, C.M.
Fabrication process for sintered hard metal bodies made of tungsten carbide. (German (F.R.) patent document 2442389/B/) 351822
Brown, C.N.
Observation of a dimuon resonance at 9.5 GeV in 400-GeV proton-nucleus collisions. 351221
Observation of structure in the UPSILON region. 369378
Brown, C.S.
Scission point configuration of thermal-neutron induced fission of ^{235}U. 351272
Brown, D.
The enthalpy of solution of body-centred tetragonal protactinium metal. 373016
Preparation and some chemical properties of protactinium metal. 365119
Brown, D.J.
Hanford groundwater transport estimates for hypothetical radioactive waste incidents. (ARH-LD – 162) 378888
Brown, D.L.
Coupled neutron kinetics thermal hydraulic model for the GETR core using the RELAP-4 computer program. (NEDO – 12627) 362877
Brown, D.P.
Summary of ISABELLE cryogenic systems workshop. (BNL – 50611) 357943
Brown, D.R.
Isoscalar breathing-mode state in ^{144}Sm and ^{208}Pb. 372833
Solvation spectra. 357139
Spin flip excitation of the 1^+ T = 0 state in ^{12}C. 362082
Brown, G.E.
Beta decay of pion condensates as a cooling mechanism for neutron star. 351051
Chiral symmetry and the nucleon – nucleon interaction. (COO – 3001-186) 359235
The cooling of neutron stars. 364291
Meson exchange and the theory of finite Fermi systems. 354032
Role of neutrinos and antineutrinos in the formation and cooling of neutron stars. (COO – 3001-184) 377592, 377593
Brown, G.F.
Treatment of hypoplastic anemia in mice with placental transplants. 379011
Brown, G.J.
Apparatus for the investigation of radiation creep in metals. 360075
Experiment in undergraduate education: the fusion design team. 377479
Irradiation creep of Zircaloy under proton bombardment. 360845
Brown, G.S.
EXAFS measurements on Nb_3Ge thin films. 351734
Brown, H.J.
Fabrication process for sintered hard metal bodies made of tungsten carbide. (German (F.R.) patent document 2442389/B/) 351822
Brown, H.L.
A precision isotope ratio mass spectrometer for the analysis of $^6Li/^7Li$. 355609
Brown, H.N.
Operating experience with the HEUB superconducting dipoles. 363327
Brown, H.R.
Semi-automated technique for the separation and determination of barium and strontium in surface waters by ion exchange chromatography and atomic emission spectrometry. 372913
Brown, I.T.
The early stages of the oxidation of a 9% chromium steel in carbon dioxide studied by Auger electron spectroscopy. 357183
Brown, J.
A report on the Basque Superconducting Solenoid project. 360720
The UK steam generating heavy water reactor civil programme. 360931
Brown, J.L.
Radionuclide generator production method. 357859
Brown, J.R.
Fort St. Vrain core performance. (GA-A – 14527) 358258, 358259
Startup test techniques for HTGRS. (GA-A – 14493) 352671, 358246
Brown, K.L.
Achromatic magnetic beam deflection system. 357944
Electron linac design for pion radiotherapy. 363292
Brown, K.W.
Charged current differential distributions in the Caltech-Fermilab γ-experiment. 353931
A measurement of the neutral current coupling in neutrino inclusive reactions. 353932
Normalized small-y cross sections for neutrinos and antineutrinos at high energy. 359333
Plutonium uptake by plants from soil containing plutonium-238 dioxide particles. Final report. (PB – 268000) 362720
Rate of dimuon production from neutrinos and antineutrinos at high energy. 366880
Brown, L.C.
Product translational energy distributions of methyl radical reactions. 364933
Brown, L.D.
Closo boron hydrides with 13 to 24 boron atoms. 378225
Brown, L.M.
Electron irradiation damage in magnesium. 362535
Work hardening of fibrous composites with particular reference to the copper – tungsten system. 362378
Brown, L.R.
Oral complications of cancer radiotherapy. 360282
Brown, L.S.
Massless excitations in pseudoparticle fields. 358639
Propagators in pseudoparticle fields. 353047, 361772
Stress tensors and their trace anomalies in conformally flat space-time. 371346
Brown, M.D.
Comparison of theoretical models for the electronic stopping power of low-velocity heavy ions. 351258
Brown, M.L.
Clinical significance of /sup 99m/technetium sulfur colloid accumulation in renal transplant patients. 357643
Brown, M.R.
Specific localisation of neurotensin to the N cell in human intestine by radioimmunoassay and immunocytochemistry. 357704
Brown, M.S.
Biological evidence for the destruction of the photoreactivation enzyme by 365 nm radiation in Escherichia coli. 373495
Brown, M.T.
Finely divided, irradiated tetrafluorethylene polymers. (US patent document 4,052,278/A/) 373040

Brown, N.J.G.
A new radiopharmaceutical for positive myocardial infarct imaging. (INIS-mf – 4010) 362811
On-line cardiac studies in a coronary care unit via a high speed link. (INIS-mf – 4010) 358412
Brown, N.W.
Clinch-River Breeder-Reactor Plant system reliability. 357728
Brown, P.D.
Strategies for improving rust resistance in oats. 373714
Brown, P.E.
The determination of diffusion coefficients of Cs and Ag in pyrocarbon and silicon carbide by post irradiation annealing of coated particle fuels. (AERE-R – 8603) 357405
Improved comparison of the LHR frequency observed by a VLF receiver and calculated from ion density measurements on the same spacecraft. 367434
Silver release from coated particle fuel. 365938
Brown, R.B.
Stopping cross sections of oxygen for 0.3 – 2.0-MeV α particles in saturated alcohols and ethers. 364620
Brown, R.D.
Detection of interstellar DNC: difficulties of chemical equilibrium hypothesis for enrichment. 348995
Deuterium enrichment in interstellar HCN and HNC. 356194
Observation of J = 1 → 0 emission from $H^{15}NC$. 348985
Brown, R.E.
$^{3}H(\alpha,^{6}Li)$ n reaction at 0°. 359465
Accurate Compton profiles for H_2 and D_2 including the effects of electron correlation and molecular vibration and rotation. 366372
Correlation effects to the expectation values of atomic systems. 363873
Reaction measurements and analyses for $^{3}He + {}^{4}He$ at 15.95 MeV (c.m.). 351381
Resonating-group study of p + α scattering from 68 to 125 MeV. 351316
Brown, R.G.
Physical properties of europium sesquioxide. 370110
Brown, R.J.
Remote sensing of the ocean. Part 1. Physical, chemical, and geological properties (a bibliography with abstracts). Report for 1970-May 77. (NTIS/PS – 77/0532) 365258
Brown, R.K.
Cost/schedule performance measurement system utilized on the Fast Flux Test Facility project. 358310
Brown, R.L.
Superconducting coil fabrication development at Oak Ridge National Laboratory. (CONF-771029 – 123) 371766
Brown, R.R.
Observations of long-period pulsations in electron precipitation at 75° magnetic latitude. 367415
Brown, S.
Measurement of L-thyroxine and 3,5,3'-triiodo-L-thyronine levels in fish plasma by radioimmunoassay. 357677
Brown, S.J.
Stresses from pressure, radial, and moment loads in cylinder-to-cylinder vessel by a finite plate method. (CONF-770807 – 25) 363394
Brown, T.L.
Determination of the ratio of the nuclear electric quadrupole moments of ^{97}Mo and ^{95}Mo by nuclear quadrupole double resonance spectroscopy of $Mo(CO)_5P(C_6H_5)_3$ and CIS-$Mo(CO)_4[P(C_6H_5)_3]_2$. 355958
Brown, V.R.
Explanation of near equality of isoscalar and electromagnetic transition rates in neutron-excess nuclei: comparison with data. 361961
Explanation of the near equality of isoscalar and electromagnetic transition rates in neutron-excess nuclei; representation of the data in terms β/sub αα'/β/sub em/. (UCID – 17508) 351266
Brown, W.W.
Dissolving radioactive corrosion products from internal surfaces of a nuclear reactor. 373107
Method for removing radioactive corrosion products from the inner surfaces of a nuclear reactor. (German (F.R.) patent document 2617676/A/) 355264
Browne, I.W.A.
Quasars near bright galaxies – results from the Jodrell Bank 966-MHz survey. 374885
Browne, J.C.
Charge-transfer cross sections for B^{3+}, C^{4+} + H collisions. 377088
Gamma-ray spectra from capture of 2-eV to 3-keV neutrons by ^{181}Ta. 359525
High energy fission cross section ratio measurements. (BNL-NCS – 22500) 356701
Theoretical charge-exchange total cross sections for B^{+3} + He and C^{+4} + He collisions. 358826
Browne, M.T.
Image analysis and beam damage. 371573
Brownell, G.L.
New imaging systems in nuclear medicine. Technical progress report, October 1, 1976 – May 31, 1977. (COO – 3333-30) 366010
Brownell, L.E.
Process for converting sodium nitrate-containing, caustic liquid radioactive wastes to solid insoluble products. (US patent document 4,028,265/A/) 374402
Browning, D.N.
Hydrazoic acid distribution between TBP-dodecane and nitric acid solutions. 357025
Browning, M.J.
Feasibility demonstration of consolidating porous beryllium/carbon structures. Final report. (UCRL – 13785) 373315
Browning, R.
H^+ production in the photoionization of H_2, CH_4 and H_2O. 376981
Brownson, J.M.T.
Block to influenza virus replication in cells preirradiated with ultraviolet light. 373484
Brownsword, M.
The determination of diffusion coefficients of Cs and Ag in pyrocarbon and silicon carbide by post irradiation annealing of coated particle fuels. (AERE-R – 8603) 357405
Brozel, M.R.
An optical study of irradiation damage in germanium. 370140
Bruandet, J.-F.
'Like-backbending' effect in the ^{66}Zn nucleus. (ISN – 77-21) 369471
Core-plus-particle coupling description of the ^{63}Zn high-spin levels. (ISN – 77-41) 359466
High spin levels in ^{50}V observed in the $^{48}Ti(\alpha,pn\gamma)$ reaction. (ISN – 77-39) 359483
High spin states in $_{23}{}^{50}V_{27}$. (ISN – 77-22) 369480
Positive parity high spin states in ^{63}Cu. (ISN – 77-23) 369512
Bruandet, J.F.
Core-plus-particle coupling description of the ^{63}Zn high-spin levels. (ZfK – 336) 364752
High spin states in ^{62}Cu. (ISN – 77-24) 359536
High spin states of ^{50}V observed via the $^{48}Ti(\alpha,pn\gamma)$ reaction. 372758
High spin states of ^{62}Cu. 372822
Yrast states in ^{62}Cu. 356731
Bruant, M.
Utility training. 352572
Brubaker, G.L.
Public acceptance of nuclear power in the United States of America. Role of the National Environmental Policy Act. 371266
Bruch, C.
Studies on the regeneration of the CFU-C population in blood and bone marrow or lethally irradiated dogs after autologous transfusion of cryopreserved mononuclear blood cells. 367508
Bruch, R.
Time-delayed Li, Be, and B autoionization spectra excited in low-energy (200 keV) single gas collisions. 363874
Bruchertseifer, H.
Experiments to produce isotopes of superheavy elements with atomic numbers 114-116 in ^{48}Ca ion reactions. 372801
Bruchim, E.
Pasteurization of poultry feed by γ ionizing radiation. (IA – 1338) 365481
Bruck, Yu.M.
The interpulse radio emission of the pulsar PSR 1919+21 at the frequencies 16.7-38 MHz. 366674
Brucker, C.
Photoemission study of coverage-dependent chemisorption interaction between CO and Ir(111). 349520
Brucker, G.J.
Prediction and measurement results of radiation damage to CMOS devices on board spacecraft. (N – 77-19162) 363632
Bruckman, W.
Generation of solutions of the interior Brans-Dicke equations. 358640
Properties of the solutions of cold ultradense configurations in the Brans-Dicke theory. 359059
Bruckmueller, R.
Energy spectrum of Na sputtered from NaI measured with an optical spectrometer. 368749
Measurements of the velocity spectrum of sputtered Na from a NaI target by a Doppler-shift laser spectrometer. 366341
Brudermueller, G.
Operation and building control from the operator's point of view. 376558
Brudnyj, V.N.
Investigation into defects in $CdSnAs_2$ crystals irradiated by electrons. 350714
Bruecher, H.
Contributions to the risk evaluation of a high-level waste solidification plant. 352317
Bruecher, L.
Proton magnetic resonance and molecular motion in solid methyl-piperidines and piperazines. 353484
Bruechle, W.
Charge-asymmetry equilibration in the reaction of $^{129\ 132\ 136}Xe$ with ^{197}Au near the interaction barrier. 366989
Brueckman, A.
Investigations of the mechanism of occurrence of oxide scales on copper and its alloys with zinc using the isotope of oxygen ^{18}O. 357184
Brueckmann, H.
A compact versatile beam steering unit. 357945
Brueckner, G.E.
Lines of H_2 in extreme-ultraviolet solar spectra. 359106
Solar EUV emission line profiles of Si II and Si III and their center to limb variations. 372227
Brueckner, K.A.
Fast-electron production in laser-heated plasmas. 348891
Production of fast ions in laser-heated plasmas. 348892
Reply by K.A. Brueckner on comments by E. Panarella on the paper 'Wavelength dependence of laser coupling to pellet implosions' by K.A. Brueckner and R.S. Janda, Nucl. Fusion 17(2) (1977) 305. 371767

Theory and experiment in laser driven fusion. 371768
Brueckner, W.
Measurement of the π^+p and π^-p polarization parameters at 100 GeV/c. 351209
On the conductivity transition in V_3O_5. 371572
Proton and pion spectra at large angles in relativistic heavy-ion collisions. (LBL – 670) 378037
Bruederle, F.
Investigation of the fuel-rod-behavior during the blowdown-phase of a loss-of-coolant-accident. (KFK – 2435) 358178
Bruemmer, G.
X-ray fluorescence analysis of environmental trace elements in sediments and soils. 362131
Bruemmer, O.
Temperature dependence of the positron annihilation by dislocations and vacancies in nickel. 363995
Bruenger, F.W.
Deposition of ^{239}Pu, ^{226}Ra, ^{233}U and ^{241}Am in the gonads of beagles and rats. (COO – 119-252) 373629
Early distribution of ^{238}Pu in the liver of a Cynomolgus monkey. (COO – 119-252) 373590
Retention and distribution of $^{241}AmIII$ in neonatal beagles. 370414
Synthesis and testing of partially lipophilic polyaminocarboxylic acids. (COO – 119-252) 373591
Bruengr, F.W.
Retention and distribution of ^{239}Pu in beagles injected at 3 months of age. (COO – 119-252) 373628
Bruere-Dawson, R.
Localisation of the passage of a charged particle in a multiwire proportional counter using electromagnetic delay lines. 355510
Bruevich, V.V.
Light curve of the PSR 0531 pulsar. 377625
Bruggeman, A.
Treatment and control of gaseous effluents from light water reactors and reprocessing plants. 358473
Brugger, R.M.
Development of a ^{238}U filtered beam of 186 eV neutrons. 355079
Neutron tomography investigations at the Missouri University Research Reactor. 358322
Bruhn, U.
X-ray doses during roentgendiagnostic of the digestive tract. 370663
Bruin, M. de
Some considerations for future instrumentation and software developments in neutron activation analysis. 369530
Bruj, V.N.
State special standard for bremsstrahlung energy flux unit in the range of maximum photon energy 0.8-8.0 pJ (5-50 MeV). 376263
Bruk, M.A.
Kinetic scheme of initial stage of radiation-induced polymerization of vinyl acetate and acrylonitrile adsorbed on aerosil. 349344
On the formation of polymer non-grafted onto the surface during radiation-induced polymerization of monomers adsorbed on mineral substrates. 375677
Some regularities of separate and simultaneous radiation polymerization of vinyl acetate and acrylonitrile in adsorption layer on aerosil surface. 367170
Bruk, Yu.G.
Heating of thin samples of maraging steels during short-time aging. 369953
Brukx, J.F.L.M.
Combined free and forced convection effects on transient temperature distributions in a scaled-down model of the inlet plenum of the SNR-300 reactor. 358280
Bruley, M.
The Mark II Nancay radioheliograph. 372129
Brumbach, S.B.
Autoradiographic technique for rapid inventory of plutonium-containing fast critical assembly fuel. (ANL – 77-67) 374491
Autoradiographic techniques for rapid inventory of reactor fuel. 380114
Brumer, P.
Exponentiating trajectories and statistical behavior in collinear atom – diatom collisions. 368626
Multiple ecattering theory. II. 368700
Brummett, E.S.
Teratological studies of Zn-DTPA in mice. 370392
Brumovsky, M.
Contribution to the question of surveillance programs for nuclear reactor pressure vessels. (IAEA – 202) 376458
Evaluation of surveillance specimens and in-service inspection of tubes of A-1 reactor heavy water calandria. (IAEA – 202) 376471
Recurring inspection system of the A-1 reactor pressure vessel. (ZJE – 208) 379714
Surveillance programmes prepared and carried out during production and exploitation of the A-1 nuclear reactor pressure vessel. (IAEA – 202) 376537
Brumwell, F.R.
Intensity and position measuring systems in the booster of the Zero Gradient Synchrotron. 363173
Brunborg, G.
Variations in the SH-content of haploid yeast and their relevance to radiosensitivity. 349718
Brundle, C.R.
Electron spectroscopy study on Gd/Fe alloy films. 370070
Brune, D.
The uranium ore demand of reactor system. 371253
Brune, W.
Principles of education and training of industrial engineers for nuclear power plants. 371310
Bruneau, J.L.
Small dimensions, continuous submillimeter lasers HCN (lambda = 337μ) and DCN (lambda = 195;190μ). (EUR-CEA-FC – 898) 353528
Brunet, A.
Hollow cathode arc: experimental investigation of the plasma column inside the cathode. 353529
Brunet, J.M.
Channel cross sections of K^-p reactions from 1.934 to 2.516GeV/c. (LPC – 77-01) 369354
Brunet, P.
Double frequency rf system to increase the DCI energy. 363157
Brunet, R.C.
Dynamical fit to low-energy π-N phase shifts and determination of the threshold parameters. 351142
Brunet, Y.
Design and tests of liquid helium rotating cryostat. 360606
Bruneteau, J.
Effect of organic additives of low ionization potential on the working conditions of self-sustained discharges in CO_2-N_2-He mixtures at the atmospheric pressure. 353234
Brunetti, B.
Absolute total elastic cross sections for collisions of Ne with Ar, Kr and Xe. 358715, 376982
Brunfelt, A.O.
Some new methods for the determination of rare-earth elements in geological materials using thermal and epithermal neutron activation. 372841
Brunhofer
Current state of the project of supplying Chemopetrol Trust plants Spolana, Neratovice and Kaucuk, Kralupy with heat energy from the Kojetice nuclear power and heat plant. (INIS-mf – 4055) 368429
Bruninx, E.
Radiochemistry at the Philips Research Laboratories, Eindhoven, The Netherlands. 374539
A study of different geometries for the Seemann X-ray spectrometer equipped with a position-sensitive detector. 355511
Brunner, F.
Collisionless CO_2 laser-induced photodissociation of sulfur hexafluoride in a molecular beam experiment. 350585
Brunner, G.
Method and device for control in processing liquids. (German Dem. Rep. patent document 118173/A/) 365672
Brunner, J.
Damage of graphite surfaces resulting from ion bombardment, studied by means of electron microscopy. Raman- and x-ray photoelectron spectroscopy. 370233
Brunner, R.E.
Determination of sodium and organic substances for quality control in the full-desalination plant of the Biblis nuclear power plant. 378226
Brunner, W.
Relaxation of neodymium in a weakly ionized expanding plasma. (UCRL – 79953) 366513
Bruno, G.A.
Method for production of sup(99m)Tc-sulphur colloid. (Czechoslovak patent document 157082/B/) 369732
Bruno, J.B.
Golden rule partitioning of vibronic energy: excitation transfer in collisions of metastable rare gas atoms with nitrogen. 377059
Brunol, J.
A high resolution computed tomography for nuclear medicine using a multipinhole collimator. (INIS-mf – 4010) 363555
Multiplex recording using a gamma camera for tomographic imaging by numerical deconvolution and its application to radionuclide dynamic studies. (INIS-mf – 4010) 363564
Bruns, L.E.
Measuring low concentrations of plutonium and americium in earth samples. 378882
Bruns, M.
Comparison of the ribonucleoproteins of different rabies virus serotypes by radioimmunoassay. 362802
Brunsden, B.
Longitudinal multiplane emission tomography (Pho-Con) characteristics, limitations and clinical applications. (INIS-mf – 4010) 358354
Brunsmann, U.
Ultrahigh vacuum investigations on the exoelectron energy distribution of NaF-surfaces. 363970
Brunson, G.
Effect of steam entry in a GCFR core. (CONF-761001 – P2) 362979
Brunswick, E.
Method for production of sup(99m)Tc-sulphur colloid. (Czechoslovak patent document 157082/B/) 369732
Brunt, J.N.H.
Near-threshold electron impact excitation of ultraviolet-emitting levels of helium atoms. 355864
Brunton, G.D.
Geological criteria for radioactive waste repositories. (Y/OWI/TM – 47) 380034
Brusati, M.
Ion energy balance in ohmically heated PLT discharges. (PPPL – 1403) 377366
Brusch, A.
The electropolishing of vanadium for transmission electron microscopy (TEM). 359865
Bruschi, L.
Behavior of the ^4He viscosity near the superfluid transition. 372322

Brusentsova, R.M.
Detection of variously oriented defects during ultrasonic testing of pipes. 357242
Brush, H.H.
Continuing role for the engineer/constructor. 360872
Brussaard, P.J.
Allowed beta decay, ch. 12. 364665
Allowed beta decay, ch. 13. 364666
Applications of Wck's theorem, ch. 17. 364670
Determination of empirical effective interactions, ch. 7. 364660
Effective interactions, ch. 6. 364659
Electric and magnetic multipole moments, ch. 11. 364664
Electromagnetic transition operators, ch. 9. 364662
Electromagnetic transition rates, ch. 10. 364663
Further applications of second quantization, ch. 15. 364668
Interacting particles in one orbit, ch. 4. 364657
Matrix elements in second quantization, ch. 14. 364667
Miscellaneous subjects, ch. 18. 369411
On effective interactions and effective charges in the shell model. 356580
One- and two-nucleon transfer reactions, ch. 8. 364661
One- and two-particle systems, ch. 2. 364655
Particles in two active orbits, ch. 5. 364658
Perturbation theory and configuration mixing, ch. 3. 364656
Realistic and effective operators, ch. 16. 364669
Brusse, L.A.
SCR series switch and impulse crowbar at the Lawrence Berkeley Laboratory for CTR neutral beam source development. (LBL – 6382) 377405
Brust, R.
The conversion coefficient of the 165.85 keV gamma transition in ^{139}La. 372810
Elimination of the influence of the gamma sensitivity of the 4π(β,EC) detector on absolute activity measurements with the 4π(β,EC) gamma coincidence method. 349940
Brut, F.
High spin levels in ^{50}V observed in the ^{48}Ti(α,pnγ) reaction. (ISN – 77-39) 359483
High spin states in $_{23}{}^{50}V_{27}$. (ISN – 77-22) 369480
High spin states of ^{50}V observed via the ^{48}Ti(α,pnγ) reaction. 372758
Shape mixing of A = 27 nuclei. (ISN – 77-19) 359383
Some insight in the structure of light nuclei from te study of electromagnetic properties calculated with the generator coordinate method. (ZfK – 336) 364701
Superheavy Hartree-Fock calculations for magic numbers Z = 126 and 138. 354104
Bruton, P.C.
Coherent production of low-mass pπ⁺π⁻ states in the interaction of 18.6 GeV/c protons with ^{4}He nuclei. 372518
Bruwaene, R. van
Evaluation of the dose to man in relation to the behavior of tritium from irrigation water in agricultural crops. 370423
Bruyn Ouboter, R. de
On the possible existence of a thermopower in the superconducting state. 372338
Bruynseraede, Y.
Tunneling investigation of the superconducting proximity effect in Al/Pb sandwich layers. 369246
Bruzek, A.
Active regions, ch. 7. 369157
Flares and associated phenomena, ch. 9. 369059
Illustrated glossary for solar and solar-terrestrial physics. 369027, 369040, 369059, 369067, 369108, 369121, 369135, 369157, 369212, 369216, 370307
Spots and faculae, ch. 8. 369040
Bruzzi, S.
A 300 W 1.8 K refrigerator and distribution system for the CERN superconducting RF particle separator. 360735
Bryan, J.
Effects of porosity, strength and water content on attenuation of stresses generated by subsurface explosions in soils. (UCRL – 79113) 363121
Bryan, J.B.
Final report on a calculational parameter study of soils typical of some ESSEX I cratering sites. (UCRL – 52038) 376338
Bryan, R.H.
An evaluation of the HSST program intermediate pressure vessel tests in terms of light-water-reactor pressure vessel safety. (IAEA – 189) 360897
Heavy-Section Steel Technology Program intermediate-scale pressure vessel tests. (CONF-770807 – 24) 362878
Bryan, W.L.
The full-scale cask program at ORNL. 350037
Obsolete cask program: oblique and center-of-gravity drop tests. (ORNL/TM – 1312(Vol.17)) 367953
Bryant, E.A.
Oklo, an experiment in long-term geologic storage. 362879
Bryant, P.E.
Evidence for location of the site of accumulation for sub-lethal damage in Chlamydomonas. 349724
Bryant, P.J.
Measurement of the excitation of the coupling resonance Q/sub h/ – Q/sub v/ = 0. 363174
Bryant, P.L.
In vitro phagocytosis of respirable sized monodisperse particles by rabbit alveolar macrophages. (LF – 56) 362727
Pulmonary collagen metabolism in irradiated hamsters and those treated with beta-aminoproprionitrile (BAPN) and others undergoing repeated bronchopulmonary saline lavage. (LF – 56) 362749
Bryant, P.M.
Derived radiological protection standards. 365627
Bryant, T.C.
Digitizing and analysis of neutron generator waveforms. (SAND – 77-1756C) 373924
Bryce, W.M.
Application of NEA/CSNI standard problem 3 (blowdown and flow reversal in the IETA-1 rig) to the validation of the RELAP-UK Mk IV code. (AEEW-R – 1142) 370706
The status of RELAP-UK Mk III at July 1976 – a program for transient thermal-hydraulic analysis. (AEEW-R – 1083) 370705
Bryjkova, N.V.
Synthesis and investigation into diammine complexes of nitrosylosmium and nitrosylruthenium. 349294
Brykova, N.V.
Synthesis and investigation into osmium and ruthenium triamminonitroso complexes. 349293
Bryl-Sandelewska, T.
γ-radiolysis of liquid pentanes. The role of positive ions in the formation of stable products in irradiated isopentane and n-pentane. 365046
Brylina, L.V.
Some regularities of glass formation in P_2O_5-BeO-Mesub(x)O and P_2O_5-BeO-MeFsub(y) system. 378446
Bryman, D.
New limit on the decay $\mu^+ \rightarrow e^+\gamma$. 372516
Bryman, D.A.
Measurement of the π→eupsilon branching ratio. (INIS-mf – 4267) 377792
Bryngdahl, O.
Process for the interference measurement of an object. (German (F.R.) patent document 1940656/B/) 368336
Bryshko, P.A.
Cold rolling of hexagonal rods of VT16 alloy. 351699
Bryson, J.W.
Stress analysis of cylindrical pressure vessels with closely spaced nozzles by the finite-element method. Volume 1. Stress analysis of vessels with two closely spaced nozzles under internal pressure. (ORNL/NUREG – 18/V1) 370896
Stresses in reinforced nozzle-cylinder attachments under internal pressure loading analyzed by the finite-element method: a parameter study. (ORNL/NUREG – 4) 374196
Bryukhanov, A.A.
Recrystallization texture and anisotropy of properties of cold rolled α-titanium. 373167
Bryukhnevich, G.I.
Electron-optic methods with the use of plastic scintillators for studies in the x-ray region. 353530
Bryukhova, E.V.
Nuclear quadrupole resonance of hetero-organic compounds of group 3 elements. 349236
Brzeski, P.
The application of the MERA-302 minicomputer to the survey of radioactive contamination of the biosphere around atomic power station. 355574
Bube, W.
Sensitized charge carrier injection into organic crystals studied by isotope effects in weak magnetic fields. 354324
Bubenzer, O.
Vapor separator for a nuclear reactor plant. (German (F.R.) patent document 2256766/B/) 355265
Bubyalis, Eh.S.
Transverse stream-lining of an tube cluster at low Re's in heat transfer process. (INIS-mf – 3957) 363110
Buccella, F.
Current quarks, constituent quarks and the reactions K⁻p →πdegΛ *. 361773
Quarks and the Poincare group: SU(6) x SU(3) as a classification group for baryons. 353773
Buch, R.
A nuclear safeguards system for large research centres with special regard to a computer-aided accounting system. 371296
Buch, R.P.
Effect of radiation on some enzymes and metabolites of sperm suspensions from testis and epididymis of rats. 352031
Buchachenko, A.L.
Complexing of variable-valence metals with alcohols. 351575
Buchal, C.
Attenuation and dispersion of first sound near the superfluid transition of pressurized ^{4}He. 364441
Buchan, A.M.J.
Specific localisation of neurotensin to the N cell in human intestine by radioimmunoassay and immunocytochemistry. 357704
Buchan, G.
Lyoluminescence dosimetry with sensitizers. 371095
Buchanan, C.D.
A measurement of the electromagnetic size of the pion from direct elastic pion scattering data at 50 GeV/c. 353922
Buchanan, D.T.
TACO: fuel pin performance analysis. (BAW – 10087A(Rev.1)) 373869
Buchanan, H.L.
Propagation of a heavy ion beam in gas-filled reactor. (UCRL – 80320) 372103
Buchanan, J.A.
A binary encoded position-sensitive scintillation hodoscope. 371104
Buchanan, J.D.
Pulse radiolysis of lactate dehydrogenase. 349692

Sensitivity and detection limit. 361026
Buchanan, J.R.
LMFBR safety. 5. Review of current issues and bibliography of literature (1975 – 1976). (ORNL/NUREG/NSIC – 139) 373791
Buchatskij, P.M.
Application of sorption equilibrium dynamics for studing composition of complexes formed in separation process. 359590
Choice of holding ion in displacement ion exchange chromatography in the presence of complexing reagents. 375509
Buchau, J.
12-hour case study of auroral phenomena in the midnight sector: Electrojet and precipitating particle characteristics. 360216
Buchdahl, H.A.
On solutions of Einstein's equations with scalar zero-mass source. 376898
Buchelt, E.
Experiment Pustarex for collective acceleration of heavy ions in electron rings. 363133
Bucher, E.
Electron energy loss spectroscopy and ultraviolet photoemission of TmSe. 368751
Bucher, R.G.
Conservation of the adjoint neutron spectrum by use of bilinear-weighted cross sections and its effect on fast reactor calculations. 374145
Bucher, W.
The present status of the techniques of neutron flux density measurement. 355512
Buchet-Poulizac, M.C.
Beam-foil spectroscopy of Al V-VII between 85 and 135 A. 355865
Buchet, J.P.
Beam-foil spectroscopy of Al V-VII between 85 and 135 A. 355865
Buchholz, D.
Charged current differential distributions in the Caltech-Fermilab γ-experiment. 353931
A measurement of the neutral current coupling in neutrino inclusive reactions. 353932
Normalized small-y cross sections for neutrinos and antineutrinos at high energy. 359333
Rate of dimuon production from neutrinos and antineutrinos at high energy. 366880
Buchholz, F.W.
Measurements of energy spectra and doses in liquid air of neutrons from a californium-252 source. 372556
Buchholz, G.
Cast iron with lamellar graphite as a material for prestressed hot reactor pressure vessels – preliminary results of the VGD-HTR materials test. 370786
Buchikhin, E.P.
Effect of structure on extraction ability of phosphoric acid amides. 378474
Buchkova, R.T.
Complexing in aqueous solutions of rare earth n-aminobenzoates. 351485
Investigation into rare earth n-aminobenzoates by thermography and IR spectroscopy. 369619
n-aminobenzoates of rare earths. 351484
Buchler, J.R.
Neutrino transport in supernova models: S/sub N/ method. 372313
Buchlin, J.M.
Hot spots in active packed beds. 365908
Buchman, O.
Synthesis of tritiated thymine and thymidine with high specific activity. (NRCN – 434) 373032
Buchmueller, R.
Discrimination of neutrons and gamma quanta with the aid of their power density spectra. (INIS-mf – 4206) 375077
Discrimination of neutrons and gamma radiation. 355513
Buchnea, A.
Angular distributions and cross sections of the photoneutron reaction in ^{9}Be in the photon energy region 18-26 MeV. 356729
Bucholz, J.A.
Direct-coupled-ray method for design-oriented three-dimensional transport analysis. 374239
The direct-coupled-ray method for three-dimensional shielding analysis. 366901
Buchter, A.
Incubation of ^{14}C-trichloroethylene vapor with rat liver microsomes: uptake of radioactivity and covalent protein binding of metabolites. 352155
Buchvostov, A.P.
High orders of the perturbation theory in scalar electrodynamics. 353048
Buchwald, K.
Landscape planning as a contribution to the assessment and finding of sites for energy facilities from an ecological and creative point of view. 367738
Buchwald, S.L.
Application of deuterium magnetic resonance to biosynthetic studies. 1. Biosynthesis of ovalicin. 365464
Bucina, I.
Commercial activity meters for nuclear medicine – results of comparing instruments made by three companies. 379901
Buck, B.
Alpha-particle cluster states in ^{18}F and ^{18}O. 356581
General eikonal theory of quantal scattering. 369417
Trinucleon cluster states in ^{18}F and ^{18}O. 377868
Buck, C.
Fast-reactor fuel reprocessing in the United Kingdom. 367188
Present status of reprocessing technology: basic outlines of large reprocessing plants. 351686
Buck, T.
U.S. utilities may seek CANDU reactors. 361155
Buck, U.
A comparison of different sudden approximations for molecular scattering. 361339
Deconvolution of differential cross sections obtained from molecular beam experiments. 366369
Buck, W.
Josephson behavior in large-cross-section bridges of type I superconductor. 351792
Buck, W.W. III
Calculation of deuteron wave functions with relativistic interactions. 372589
Buckalew, W.H.
Flash x-radiography for material motion detection. (SAND – 77-1648C) 379745
Buckel, G.
Benchmark calculations for a sodium-cooled breeder reactor by two- and three-dimensional diffusion methods. 363496
Comparison of the performance of several neutron diffusion computer codes for a fast breeder reactor. 350114
Flux synthesis programme KASY for the approximate solution of the three-dimensional multigroup-neutron-diffusion-equation. 350106
Buckel, W.
Collisional relaxation of ionic ^{2}Psub(3/2) excited states in rare gases. 374602
Specific heat of amorphous and polycrystalline lead-bismuth films. 353445
Buckham, J.A.
Design criteria for the new waste calcining facility at the Idaho Chemical Processing Plant. 358465
Buckler, K.U.
^{123}Te and ^{125}Te fourier transform NMR investigations. 374687
Buckley-Golder, I.M.
A simple automatic cassette for X-ray synchrotron topography. 361428
Buckley, B.D.
Feshbach projection-operator calculation of the resonant states of H_2^-. 361340
The 3.75 eV resonance in $e^- + H_2$ processes. 376983
The 3.75eV resonance in $e^- + H_2$ processes. 353202
Buckley, S.N.
The determination of the displacement energy in type 316 austenitic steel. 357423
Electron induced irradiation creep and direct observation of the underlying dislocation processes involved. 360064
Buckman, A.B.
IEEE conference digest on electrical engineering for this decade. 365707
Buckman, F.W.
Development of utility non-LOCA safety analysis methods. 360444
Buckman, R.W. Jr.
Materials requirements for intermediate heat exchangers in VHTR systems. 360866
Buckman, S.J.
Angular distributions for elastic electron scattering from potassium in the intermediate energy range. 358841
Differential cross sections for elastic electron scattering from sodium. 353372
Differential cross sections for the electron excitation of the resonant states in sodium and potassium. 353203
Buckner, C.D.
Treatment of blastic transformation of chronic granulocytic leukemia by chemotherapy, total body irradiation and infusion of cryopreserved autologous marrow. 373563
Buckner, M.R.
Jeremiah Environmental Computational System. 378903
Method for generating neutronic data bases for transient reactor calculations. 374285
Review of advanced reactor transient analysis capabilities and applications for Savannah River Plant reactors. (DP-MS – 77-1) 358324
Buckner, S.A.
Josephson junction technology program. Phase I. Final report 4 Oct 1976 – 21 Apr 1977. 360609
Buckner, S.J.
Differential cross sections for the elastic scattering of intermediate energy electrons from sodium. (FIAS-R – 28) 355922
Bucurescu, D.
Lifetime measurements in ^{86}Zr. 375156
Buczko, M.
Diffusion of ^{24}Na in polycrystalline aluminium. 367134
Budagov, Yu.A.
Four-prong π^-p interactions with π^0 production. Pt. 2. Cross section determination by statistical method; study on characteristics of proton and neutron production. (JINR-R – 1-8793) 364460
Spectra of protons emitted backwards in the interaction of 5 GeV/c π^--mesons with C nuclei. (JINR-R – 1-8977) 364567
Budanov, N.P.
J/psi production off Be, Cu and W by 43 GeV/c negative pions. 369344
Budanov, V.E.
Response change in winter-wheat types to the pathogen complex under chronic gamma-irradiation. 349820
Budarina, A.N.
Thermochemical characteristics of $MgCl_2$-MCl(M = Na, K, Rb, Cs) salt systems. (INIS-mf – 4193) 375588

Budberg, P.B.
On vanadium solubility in α-Ti. 378700
Phase diagram of Hf-$HfCr_2$-HfV_2 system. 354536
Budd, T.
A two temperature readout of thermoluminescent LiF, its properties and uses for personnel dosimetry. 355551
Budding, E.
Analysis of red and infrared wide-band photometry of Algol. 369015
Buden, D.
Reactor technology for space electrical power (10 to 100 kWe). (LA – 6891-MS) 358327
Budgor, A.B.
Role of statistical linearization in the solution of nonlinear stochastic equations. (UCRL – 80094) 371347
Budi Santoso
Preliminary study on plasma physics and its applications. (PPGM – R95-76) 366508
Budichparallel, W.
Survey of interstellar molecular hydrogen. I. 351074
Budilov, V.K.
Preliminary results on gamma quanta and hadron families with ultrahigh energies (Σ Esub(γ) > 500 TeV). 361673
Budinger, T.F.
Cyclotron-produced ^{62}Zn: its possible use in prostate and pancreas scanning as a ^{62}Zn amino acid chelate. 352137
Design and construction of the Donner 280-crystal positron ring for dynamic transverse section emission imaging. (LBL – 5679) 373651
Instrumentation trends in nuclear medicine. 373643
Budini, P.
Unified models and unitary symmetry. (IC – 76-90) 361251
Budker, G.I.
Beginning of experiments on the VEPP-2M electron-positron storage. (JINR-D – 1,2-9342) 357934
The NAP-M proton storage. 379478
Novosibirsk nuclear physics institute charged particle accelerators for national economy. (INIS-mf – 4194) 376357
Positron source for the VEPP-4 storage. (INIS-mf – 3846) 350057
Budnev, N.M.
Manifestation of rho-recurrences in e^+e^--annihilation. 356399
Budnev, V.M.
Manifestation of rho-recurrences in e^+e^--annihilation. 356399
Budnik, A.P.
Pade approximation and problem of anharmonic oscillator in quantum mechanics. (FEI – 583) 363753
Budnikov, G.K.
Effect of organic solvent nature on electrochemical reduction of metal xanthate. 369718
On polarographic reduction of mixed-ligand complexes of zinc and cadmium with ethyl xanthate and 2,2'-bipyridyl. 369603
Polarographic study of some metal complexes with 8-mercaptoquinoline in dimethylformamide. 365003
Polarography of metal complexes with 8-mercaptochinoline in N,N-dimethil formamide. 357072
Solvent effect on polarographic behaviour of metal lates with 8-mercaptochinoline. 357071
Use of diethyldithiophosphoric acid for extraction-polarographic determination of some metals. 375232
Budnikov, N.S.
Dose distribution by LET after phantom irradiation with fast neutrons. 365663
The dose function of narrow neutron beams in a tissue-equivalent medium. 360531
Budnikow, W.A.
Nuclear reactor control group. (German (F.R.) patent document 2445370/A/) 350167
Budtz-Joergensen, C.
Neutron total and elastic scattering cross sections of ^{6}Li in the energy range from 0.1 to 3.0MeV. (EUR – 5726) 359497
Budwani, R.N.
Important statistics on engineering and construction of nuclear power plants. 358115
Budzinski, E.E.
Primary free radicals formed in x-irradiated inositol. 369777
Bueche, B.
Proposal for an experiment at SIN: dosimetry of the πE3 beam: determination of the beam components. (LA-tr – 77-70) 379479
Bueche, G.
Proposal for an experiment at the SIN: contribution on πE3-beam dosimetry. Measurement of particle spectra after pion absorption in biologically interesting nuclei. (LA-tr – 77-71) 379380
Buecherl, E.S.
Radioactive microspheres for the assessment of temporary perfusion disorders in long-term experiments on animals with an artificial heart. (INIS-mf – 4010) 370510
Buechl, K.
First results on the confinement of a laser-produced plasma in the W IIb stellarator. (INIS-mf – 3963) 371741
Buechner, J.
Ballistic propagation of near-gap phonons in bulk superconducting tin. 359970
Buecker, H.
High precision localization methods for HZE-particles. 360251
Radiobiological investigations of cosmic HZE-particles with visual track detectors in the biostock experiment. 362699
Some aspects of the etching behaviour of cellulose nitrate as track detector. 368296
Buedenbender, U.
Decision on 'Fast Breeder' passed on to Federal Constitutional Court. 361175
Bueget, N.
Isomeric cross section ratios in the ^{197}Au(n,2n)^{196}Au reaction. 362044
Bueget, U.
Role of National Nuclear Research Centers in transfer of nuclear technology in developing countries. 352522
Buehling, A.
Computer assisted multielement analysis of terrestrial and extraterrestrial materials and studies on long-lived cosmogenic ^{53}Mn by neutron activation. 378095
Buehring, R.
Elastic π^0 electroproduction above the resonance region. (DESY – 77/42) 364562
Electroproduction of neutral pions and test of the quark-parton model. 356394, 364561
Bueker, H.
A nuclear safeguards system for large research centres with special regard to a computer-aided accounting system. 371296
Buell, U.
Comparison of bone and non-bone concentration parameters of sup(99m)Tc-MDP and sup(99m)Tc-pyrophosphates in 350 patients using the ROI-technique. (INIS-mf – 4010) 357604
Comparison of results obtained by scintigraphy and by computerized tomography of patients with liver diseases. (INIS-mf – 4010) 362835
Buelling, H.
Repair work at a critical point of the fuel cycle in the AVR reactor. 370643
Buenafama, H.D.
The stability of trace metals suspensions in heavy crudes as determined by neutron activation analysis. 372842
Buende, R.
Cost sensitivity analysis of possible fusion power plants. 353531, 356092
Energy by nuclear fusion. (IPP – 4/147) 348893
The sensitivity of the values for β and time-integral wall load required in Tokamak reactors. 368922
Buenemann, D.
The dispute on nuclear energy. 352198
Buenerd, M.
Giant resonances as doorways states in ^{12}C. (ISN – 77-43) 369476
Bueno de Mesquita, K.G.
Cross sections for charged-particle-induced nuclear reactions studied with in-beam gamma-ray spectroscopy. (INIS-mf – 4092) 366967
Bueno, L.A.O.
Anodic dissolution polarography used for the direct determination of metals in uranium. (IEA – 429) 351434
Buerger, J.
Measurement of the branching ratios for the decays J/psi(3.1) → fω and J/psi(3.1) → Bπ. 372506
Measurement of the J/psi radiative decay into $f^0(1270)\gamma$. 377779
Buergi, H.R.
Comparison of the mirror reactions ^{2}H(d,p)^{3}H and ^{2}H(d,n)^{3}He. 378021
Investigation of possible Asub(yy)=1 points in ^{6}Li(d,α)^{4}He and other deuteron induced reactions. 378052
Investigation of the 1^+ resonance in ^{6}Li by d-α scattering between 6 and 7 MeV. 354202
Shell closure effects in the elastic scattering of polarized deuterons. 378039
A study of the 1^+ resonance in ^{6}Li via ^{4}He(d,d) scattering from 6-7 MeV. 377999
Tensor potentials in the optical model for elastic scattering of polarized deuterons by medium heavy nuclei. 377869
Buerk, K.
Beta decay and nuclear structure: Rb^{86}. 375153
Buerkle, G.
Reactor materials investigations and development. (KFK – 1277/2) 371052
Buerkle, W.
Quality assurance as a means of nuclear technology transfer. 352947
Buescher, B.J.
Babcock and Wilcox model for predicting in-reactor densification. (BAW – 10083A(Rev.1)) 363456
TACO: fuel pin performance analysis. (BAW – 10087A(Rev.1)) 373869
Buettgenbach, S.
Magnetic-dipole hyperfine structure in 4d- and 5d-shell atoms. 358716
Buettner, K.
^{123}I, ^{131}I and sup(99m)Tc-pertechnetate for the evaluation of thyroid function. (INIS-mf – 4010) 370432
Hypophyseal function in patients with intracranial processes: results of an integral nuclear medicine diagnostic procedure. (INIS-mf – 4010) 370462
Buevoz, J.L.
A neutron spectrometer for high-pressure studies. 374769
On the magnetic ordering of $CeAl_2$. 355942
Bufaical, R.F.
Calculation of magnetic hyperfine constants. (PUC-TN – 15/75) 355966
Buff, J.
SAS-3 observations of an x-ray flare from Cygnus X-1. (CONF-7510169 –) 364292

Buffa, A.
Characteristics of spontaneously generated RFP in Eta-Beta. (INIS-mf – 3963) 353532
Bugaenko, L.T.
Early stages of radiation transformations in acetate-nitrite frozen aqueous solutions. 365037
Formation of chemically active particles in dissolution of irradiated inorganic compounds. 373097
Investigation of chemiluminescence in dissolution of irradiated alkaline halide crystals. 370131
Possibility of determination of excited state yield during γ-radiolysis of aromatic hydrocarbons by the method of spin traps. 375724
Radical products of γ-radiolysis of barium nitrate at room temperature. 375681
Radical products of radiolysis of frozen aqueous of phosphorous acid. 378540
Reactions of the H_2O^+ holes in frozen aqueous acetate solutions. 354416
Water effect on radiolysis of solid inorganic nitrates. 369790
Bugaets, M.P.
Structural change in a low-carbon steel during decarbonization in the intercritical temperature range. 378600, 378600
Bugaev, A.M.
Structure and properties of the weld-up joints of chromium stainless steels. 349515
Bugaev, Eh.V.
Account for target recoil and excitation on bremsstrahlung and pair production processes. 356582
Solar neutrinos and the role of exchange currents in the pp reaction. 369262
Bugat, R.
Influence of calcium heparinate on the radiation-induced regression of metastatic cervical adenocarcinomas. Methodological approaches and preliminary results. 379050
Bugg, D.V.
Proton-proton elastic scattering from 150 to 515 MeV. (RL – 77-146/B) 375068
Buggy, J.J.
US LMFBR coolant system components. 379809
Bugorsky, A.P.
Muon flux measuring system for neutrino experiments at the IHEP accelerator. 357946
Observation of muon pairs in neutrino interactions at Serpukhov 70 GeV accelerator. 361870
Bugrij, A.I.
Analysis of pp scattering at high energies in the multiple Regge poles model. 369270
Equation of state of a relativistic interacting nucleon-antinucleon system. 375023
Structures and properties of branching points for exchanges of two different nonlinear reggeons. (ITF – 76-111 – R) 375024
Bugrov, V.P.
PSS-313 start-stop unit in the CAMAC standard. (JINR – 10-9641) 379968
Buhl, A.R.
Overview of the CRBRP safety study. (CRBRP-PS – 01) 362997
Buhl, R.
Ion plating in industrial thin film production. 368869
Buhl, S.
Lifetime measurement in ^{56}Co with the ^{58}Ni(d, αγ)^{56}Co reaction. 375183
Buhr, J.M.
PASCAL: a multidisciplinary data base. Its use in atomic and molecular physics and plasma and fluid physics. 358920
Buhrman, R.A.
Far-infrared absorption in ultrafine N particles. 356360
Superconducting lead variable-thickness microbridges. 374016
Bui, T.D.
Computer calculations of slow electrons scattering by sodium atoms. 356546
Buijs, K.
Design, construction and operation of a Cf-252 facility with a capacity of 5mg. 360679
Buis, H.
Utilization and performance of sodium instrumentation during start-up and initial operation of PHENIX. (CONF-760503 – P2) 352768
Buis, N.
The transition from ferromagnetism to paramagnetism in Ti(Fesub(1-x)Cosub(x)), Y_6(Fesub(1-x)Mnsub(x))$_{23}$ and the effect of pressure. 354519
Buishvili, L.L.
On the establishment of equilibrium between nuclear and electronic subsystems by dynamic cooling of nuclei. 377166
Buitelaar, N.
Can reconditioning prevent the after-cooking darkening of irradiated potatoes (research carried out in 1976/1977). (IBVL – 307) 373758
Buitenhuis, R.
A pulse radiolysis study of the formation and reactions of reduced metal EDTA complexes. (INIS-mf – 3853) 378504
Bujas, R.
Fabrication and irradiation performance of French HTGR fuel. 368178
Bujnov, N.N.
Study of γ- and α-phase structure in Fe-Ni alloys in the vicinity of the martensitic transformation point. 370028
Bujor, M.
Experimental study of the influence of surface-potential variations on the measurement of the electron temperature of a plasma by an electrostatic probe. 358921
Bukaev, P.V.
Electron power pulsed accelerators for national economy. (INIS-mf – 4194) 376355
Bukanov, V.N.
Scattering of 2.9 MeV neutrons by silicon nuclei. (INIS-mf – 3897) 356567
Buketov, E.A.
On use of the red mud to improve the technology of roasting of vanadium slags with soda. 372988
Bukh, Yu.
Uranium-238 films for targets. (JINR-R – 13-9783) 363111
Bukhalo, O.P.
Differential system of autostabilization of the gamma-spectrometer energy scale. 354644
Bukhalova, G.A.
The $Ca(PO_3)_2$-$Sr(PO_3)_2$ system. 375423
Complexing in the cesium metaphosphate-manganese(2) metaphosphate. 364989
The K_2WO_4-Cs_2WO_4-WO_3 system. 375446
Li_2MoO_4-Rb_2MoO_4-MoO_3 ternary system. 375445
Systems of $Ba(PO_3)_2$-$Sr(Pu_3)_2$, $Cd(PO_3)_2$-$Ca(PO_3)_2$. 351580
Bukhanov, V.M.
Orientation dependence of secondary ion emission in the direction of close packing. (INIS-mf – 3996) 363971
Bukharaev, A.A.
Spectroscopy of admixture centers of iron in crystals of lithium niobates. (INIS-mf – 3955) 378227
Bukhareva, V.I.
On the effect of solid on hydrogen yield during radiolysis of water vapors by Co^{60} γ-quanta. 362251
Bukhari, K.M.
The measurement of radon and thoron by solid state nuclear track detectors. 371109
Radon and thoron dosimetry by plastic solid state nuclear track detectors. 367375
Bukhteeva, L.N.
Study of complexes of vanadium with pyrocatechol violet and 1,10-phenanthroline in organic phase. (INIS-mf – 4191) 375424
Bukhtoyarova, -.M.
DNA effect on the survival of irradiated tumour and normal cells in vitro. 349693
Bukhtoyarova, Z.M.
Effect of pentacyne on the dynamics of changes in the bone tissue and on the frequency of occurence of delayed effects in rats damaged by plutonium. 360307
Buki, A.A.
Effect of ceramic flux welding conditions on the alloying addition content in slag. 369879
Bukin, A.D.
Method of absolute calibration of beam energy and storage rings. Mass measurement of a PHI meson. (JINR-D – 1,2-9342) 357947
Buklanov, G.V.
Angular correlation method for measurement of characteristics of heavy ion reaction products. (JINR-R – 7-10671) 376669
Experiments to produce isotopes of superheavy elements with atomic numbers 114-116 in ^{48}Ca ion reactions. 372801
Buklej, A.E.
Generation of πsup(-) mesons on nuclei by 3.95-9.7 GeV/c protons. 349089
Bukov, V.N.
Influence of lithologic inhomogeneity of reference horizons on the intensity of natural and neutron gamma radiation. 349618
Bukow, H.H.
Dissipation of energy deposited by fast ions passing through carbon foils. (INIS-mf – 3996) 364619
Energy-straggling of H and He ions in thin solids. (INIS-mf – 3996) 364625
Lifetime measurements on atomic states of He I. 348655
Bukowski, K.
Fast-thermal critical assembly P-ANNA-1. 355482
Bukowski, R.M.
Hepatic uptake of Tc-99m-labeled diphosphonate in amyloidosis: case report. 373631
Bukshpan, S.
On the isomer shifts of ^{129}I impurities implanted in semiconductors. 356071
Bulaevskij, L.N.
Superconductivity and electron properties of layer compounds. 348773
Superconductivity in crystals without a symmetry center. 369243
Bulanenko, V.I.
Method for control of fissionable materials by delayed neutrons using pulse neutron source. (FEI – 520) 357192
Bulanov, A.V.
Cold rolling of hexagonal rods of VT16 alloy. 351699
Bulanov, N.F.
Light system for the "Lyudmila" 2-m liquid-hydrogen buble chamber. (JINR – 13-9442) 350354
Photography system for the "Ludmila" facility. Tape transport mechanism, gas panel and control electronics. (JINR – 13-9710) 376608
Bulanov, S.V.
Problem of the galactic halo. 356195
Bulanova, M.
Chromosomal aberrations in human lymphocytes in vitro chronically irradiated with different doses of gamma-rays. 367455

Bulashevich, Yu.P.
Some nonstationary problems of diffusion of particles with a limited life-time. 360136
Bulat, S.I.
Experience manufacturing and properties of the high-strength corrosion-resistant magnetic 03Kh12K12D2 steel. 375831
Bulatov, B.P.
Some problems of methodology for ore testing in containers. 354645
Bulatov, M.I.
Spectrophotometric determination of aluminium and zirconium in titanium alloy. 378123
Buldakov, L.A.
Harmful effect of nitrite salts of a monomer- Am^{241} and polymer- Pu^{239} on the organs and systems of maximum deposition of radiation sources after inhalation of drastically toxic amounts. 360321
Buldakovskj, V.N.
Fast vacuum lock. (JINR-R – 9-10836) 367958
Buleev, N.I.
Experience of application of spatial model of turbulent exchange. 379426
Bulens, C.
Angular dependence of the scattered ion yields in $^4He^+ \rightarrow Cu$ scattering spectrometry. 361423
Bulgakov, B.M.
Photoelectric current and electroreflection of defect crystals of cadmium selenide. 359652
Bulgakov, M.K.
Specific features of the NEhM-300 electromagnetic pumps operation in the IFVE proton synchrotron vacuum system. 357931
Bulgakov, P.G.
Radioluminescence of uranyl solutions in perchloric acid induced by U^{238} self α-radiation. On possible radiation from triplet state of water. 359759
Bulgakov, V.I.
Evaluation of ΔH^0_{298} and S^0_{298} of scandium, ytrrium and lanthanide orthophosphates. 351577
Bulgakov, V.N.
Peculiarities of molybdenum extraction from nitrate sulphate solutions by polyalkylphosphonitrile acid. 373006
Bulgakov, Y.V.
Energy loss straggling of protons and helium ions in carbon. 371563
Bulgakov, Yu.V.
N-type silicon conductivity conversion under the action of high-speed helium ions. (KFTI – 74-47) 353407
Phenomena observed in transition from axial to planar channeling. (INIS-mf – 3995) 377167
The resonance dechanneling of fast protons in silicon during the axial-to-planar channel transitions. (INIS-mf – 3995) 377168
Bulhak, Z.
The paraffin-chloroform-dye (PCD) system for phantom dosimetry of the γ-radiation. 376612
Bulina, V.A.
Electrochemical investigation of rare earth amalgams. 357088
Investigation of anodic behaviour of rare earth amalgams. 378228
Bulka, G.R.
Scheme of hydrogen bonds in lanthanum perrhenate tetrahydrate $La(ReO_4)_3x4H_2O$. 359653
Bulkin, V.S.
Elastic scattering of 27.2 MeV alpha particle on ^{40}Ca nucleus. 375164
Bulkin, Yu.M.
IBR-2-the periodically pulsed reactor for neutron investigations. (INIS-mf – 3946) 356682
The use of nuclear reactors for centralized heat supply and district heating. 371216
Bull, S.R.
Contrast reduction factor for object contrast assessment in neutron radiography. 379523
Bullard, C.W.
Net energy effects and resource depletion: an all-nuclear economy. (COO – 2865-10) 374463
Bullett, D.W.
Localized orbital approach to chemisorption: H and O adsorption on Ni, Pt and W(001) surfaces. 362379
Relation between electronic structure and T/sub c/ in binary and ternary molybdenum chalcogenides. 360038
Bullier, Denise
The metabolisme of tritiated water in the rat. (CEA-R – 4861) 354848
Bullio, P.
Italian activities in uranium enrichment. 367845
The nuclear debate: recent European views on power development. 360424
Bullock, F.W.
Strange particle production by antineutrinos. 356505
Bullock, I.W.
Search for strangeness changing neutral currents induced by neutrinos in GARGAMELLE. 361875
Bullock, J.I.
Schiff-base complexes of the lanthanoids and actinoids. 369604
Bullock, J.S.
Electrochemical studies of uranium alloy corrosion. 373108
Bullock, R.E.
Irradiation performance of HTGR fuel rods with diluted thermosetting matrices. 355416
Mechanical behavior of Biso-coated fuel particles during irradiation. II. Prediction of Biso particle behavior during irradiation with a stress-analysis model. 365928
Bullough, R.
The free surface effect of swelling. 362528
Irradiation creep due to point defect absorption at dislocations. 351892, 367330
A systematic approach to the radiation damage problem. 357406
The temperature dependence of irradiation creep. 360065
Vacancy aggregation and dislocation sink strengths in non-fissile materials. 351882
Bullough, R.K.
Solitons. 371348
Bulmasov, A.P.
The results of using temporary neutron-gamma logging data for estimating the saturation of inhomogeneous sand-clayish Miocenic deposits of Predkarpatje. 378829
Bulmer, R.H.
Effect of extended pulse length on the Mirror Fusion Test Facility (MFTF). (UCRL – 52294) 350923
Bulnaev, A.I.
Rare-earth elements in calcites of carbonates of Turij peninsula (from the neutron activation analysis data). 349157
Study of standards of magmatic rocks by instrumental neutron activation analysis using gamma spectroscopy of high resolution. (INIS-mf – 3994) 378096
Bulos, F.
Quantum numbers and decay modes of the resonances psi(3095) and psi(3684). (SLAC-PUB – 1599) 359334
Bulski, W.
Adaptation of the industrial betatron produced in Poland for medical applications (preliminary dose measurements). 367832
Bulter, P.A.
Determination of γ softness in ^{192} ^{194} ^{196}Pt from Coulomb excitation with ^{136}Xe projectiles. 364800
Bulushev, A.F.
The NAP-M proton storage. 379478
Bulyanitsa, L.S.
Half-life of sup(242)Pu. 377983
Bulychev, G.I.
Gamma-spectrometric study in Volgogradskoe Zavolzh'e. 365282
Bulychev, S.I.
On scale dependence of hardness. 373269
Bulygina, T.I.
Chemical interaction in composite materials with magnesium and ML-8 alloy base reinforced with boron fibers. 365187
Bumagina, L.A.
Crystal field on rare earth ions in garnet crystals. (INIS-mf – 3955) 362163
Optical spectra of Tb^{3+} ions and crystal field on rare earth ions in crystals with the YF_3 structure. 374688
Stark structure of Tb^{3+} ion spectrum in crystals with YF_3 structure, crystal field and magnetic ordering in TbF_3 crystal. (INIS-mf – 3955) 377169
Bumazhnov, V.A.
On study of two-particle inclusive reactions in the K^-p interactiors at 32 GeV/c. (IFVE-M – 24) 349088
System of programs for processing images from large bubble chambers on the BESM-6 computer. (IFVE-PPK – 75-26) 353019
Bumbovic, B.
Automatized filter testing with a particle-counter. 360506
Bumiller, W.
Development of ^{85}Kr separation from the off-gas of the large reprocessing plant: Findings of the prototype test plants ADAMO and KRETA. (AED-Conf – 77-403-004) 375737
Bunakov, V.E.
Calculation of resonance parameters of neutron elastic scattering on a sup(208)Pb nucleus. 359372
Method of kinetic equations for finite open systems and its applicability in the nuclear theory. 369412
Bunatyan, G.G.
Slow π-meson elastic scattering by nuclei. 369413
Bunce, G.
Observation of the decay $\pi^0 \rightarrow e^+e^-$. 377802
Bunch, R.
Growth of second phase particles in a copper – beryllium alloy. Final technical report. (UCRL – 13758) 373168
Bunch, T.S.
Covariant point-splitting regularization for a scalar quantum field in a Robertson-Walker universe with spatial curvature. 355732
Buncher, B.R.
Conceptual studies of toroidal field magnets for the tokamak experimental power reactor. Final report. (ORO – 5153-1) 361508
Bund, G.W.
The analog resonance of ^{208}Pb. 350486
Separable representations of local potentials. (IFT – 224/76) 353049
Bundo, Yoshinao
Radiolysis of titanium potassium oxalate in aqueous solution. 349345
Bunge, P.J.
A miniature multi-channel pulse height analyzer with an LED matrix display. 374303
Buniak, M.
Influence of the rock heterogeneity on the results of gamma-gamma logging. 376021
Bunikene, L.V.
Determination of iodides with triphenylmethane dyes using multiplication reactions. (INIS-mf – 4191) 375390
Bunin, B.N.
IBR-2-the periodically pulsed reactor for neutron investigations. (INIS-mf – 3946) 356682

Bunin, K.P.
Structural change in a low-carbon steel during decarbonization in the intercritical temperature range. 378600
Bunin, L.A.
Texture of welded joints of commercial titanum alloys. 378579
Bunin, M.A.
X-ray spectral study of change in electron structure of $CdGeP_2$ in passing from crystalline to glass-like state. 351860
X-ray spectral study of electronic structure of Cd_3P_2. 357052
X-ray study of electronic structure of the $A^2B^4C_2^5$ and A^3B^5 type semiconductor phosphides. 374719
Bunker, D.L.
Some dynamical properties of the reactions of F atoms with HCl and DCl. 353350
Bunko, Hisashi
Development of new radionuclide bolus injector and evaluation of bolus using venous phantom. 360392
Diagnosis of cold thyroid nodule with ^{201}Tl scintigraphy. 367717
Evaluation of supine and sitting cardiac blood pool scans with sup(99m)Tc-HSA. 367691
Bunnell, L.R.
Progress in developing a portable blood irradiator for medical applications. (BNWL – 2100(Pt.1)) 360319
Bunnenberg, C.
Application of the β-absorption method to measure dew on soil and plant surfaces. 356933
Bunschi, J.
Transfer function of temperature fluctuations for liquid metal slug flow. 376300
Bunting, C.A.
The production and sustainment of a reverse field pinch. (INIS-mf – 3963) 371769
Bunus, F.T.
Synergic extraction of uranium from phosphate solutions with di-(2 ethylhexyl) phosphoric acid and tri-n-octylphosphine oxide. 369605
Bunyatov, S.A.
Characteristics of the Cherenkov total absorption spectrometer for electrons and gamma-quanta. 371084
Bunz, H.
Investigations on the interactions of fission products and aerosols in LWR-containments. (KFK – 2435) 357738
Buono, A.
Pre-service and in-service inspections on ENEL reactors. 365762
Bupp, L.P.
Hybrid nuclear fuel assembly with reduced linear heat generation rates. (US patent document 4,059,484/A/) 379651
Buraczewska-Lipinska, H.
Radiation-induced bone neoplasma in facial cranium. 367546
Buraczewski, J.
Radiation-induced bone neoplasma in facial cranium. 367546
Burakhanova, Z.M.
Exoelectron emission (EEE) from surface of irradiated oxides 3. Method for analysis of complex spectra due to thermally stimulated EEE, using magnesium oxide as an example. 365047
Buras, A.J.
Asymptotic freedom beyond the leading order. 372374
Energy dependence of neutral and charged current cross-sections from asymptotic freedom. 361774
Scaling of multiplicity distribution in hadron collisions and diffractive-excitation like models. 353774
Simple parametrizations of parton distributions with Q^2 dependence given by asymptotic freedom. 372375
Buras, B.
Optimum resolution in X-ray energy-dispersive diffractometry. (INIS-mf – 4030) 355967
The structure of octofluoronaphthalene at high pressures investigated by neutron powder diffraction. (INIS-mf – 4094) 361457
White beam, X-ray, energy-dispersive diffractometry using synchrotron radiation. (INIS-mf – 4032) 353409
X-ray energy-dispersive diffractometry using synchrotron radiation. 353408, 361429
Buravtsev, A.I.
Mastering of fabrication technology of titanium thin-walled sections. 351712
Burba, P.
Separation of trace elements on a cellulose exchanger with 1-(2-hydroxyphenylazo)-2-naphthol (hyphan) as functional group and subsequent determination by X-ray fluorescence analysis. 364854
Burbelo, M.-R.M.
Advanced method for determining the activation energy of relaxation processes in a solid body. 373232
Burbelo, V.M.
Chamber for temperature investigations with nqr radiospectrometer. (Soviet patent document 437959/A/) 379972
Burbidge, E.M.
Relations between the optical and radio properties of extragalactic radio sources. 366675
Burbidge, G.
Interpretation of cosmological information on radio sources. 366676
Burch, S.F.
Multifrequency radio observations of 3C31: a large radio galaxy with jets and peculiar spectra. 359060
Burch, W.D.
Developments in reprocessing technology for high-temperature and fast-breeder fuels. 367189
Retention of gaseous fission products in reprocessing LMFBR fuels. (IAEA-AG – 63-2) 362322
Techniques for shearing and dissolving LMFBR fuels. (IAEA-AG – 63-1) 363497
Burcham, W.E.
Energy dependence of analysing power in elastic and inelastic scattering of ^3He by ^{12}C. 372772
Burciaga, J.R.
Positron-helium scattering cross sections at low energies. 353204
Burck, W.
Irradiation tests of THTR fuel elements in the DRAGON reactor (irradiation experiment DR-K3). (Juel – 1408) 355417
Burcl, R.
Catalytic purification of reactor KS-150 heavy water moderator of organic impurities. 369606
Burd, J.
Anisotropy and magnetostriction $GdAl_2$. 361430
Burde, J.
Lifetime measurements of the 3^+ and 4_1^+ states in ^{192}Pt. 372720
Particle-hole states in ^{42}K studied by the $^{44}Ca(d,\alpha)^{42}K$ reaction. 356854
Burdet, G.
Weyl quantization and metaplectic representation. 371349
Burdet, Rene
Process and device of leak testing of works, especially concrete works. 355220
Burdett, R.D.
Suppression of the primary immune response in rainbow trout, Salmo gairdneri, sublethally exposed to tritiated water during embryogenesis. 360276
Burdette, E.G.
Design and analysis of multicavity prestressed concrete reactor vessels. (CONF-770807 – 32) 358250
Theoretical tornado vortex model for nuclear plant design. 357821
Burdette, R.E. Jr.
Plant computer-aided management concept. 358177
Burdge, L.F.
LOFT integral test system final analysis report, revision 1. Volume 3 of 3. (TID – 28027/3) 379832
Burdick, G.R.
Automatic event tree construction. 352307
Qualitative analysis in reliability and safety studies. 357827
Burdin, Yu.B.
On the accuracy of analog data registering in gamma-gamma logging. 360172
A potential method for determining the composition of fluids in oil wells. 376022
Burdine, J.A.
Large-field-of-view (LFOV) scintillation cameras. 373675
Burdonskij, I.N.
Study of the acceleration of thin metal foils acted on by high-power laser emission. (IAEA – 200) 353518
Burdzik, G.F.
New multidisciplinary separated-sector cyclotron facility. 363166
Burek, R.
Error of determination of ash content of coal by the method of X-ray transmission and X-ray and beta scattering. 367884
Buren, A.
Secondary electron emission from polycrystalline copper bombarded by ions. (INIS-mf – 3996) 364037
Burenkov, D.K.
Study on electric characteristics of a boundary layer on metal surfaces in channels of an open-cycle MHD generator. 377670
Burenok, V.A.
Radiation lacing of rubbers in the presence of polyfunctional unsaturated compounds. 362270
Thermal and thermal-oxidative stability of radiation vulcanizates of ethylene-propylene rubber. 362269
Bures, M.
Forced radial oscillations of a fully ionized cylindrical plasma surrounded by a partially ionized plasma shell. 366509
Magnetoacoustic resonance heating of a plasma bounded by partially ionized layers. (INIS-mf – 3963) 374809
Burford, G.
Highly specific antiserum for arginine vasopressin. 376157
Burg, A.B.
Complete molecular structure determination of pentaboranee(9) by rotational spectroscopy. 378391
Burgan, C.E.
Failure analysis of radioisotopic heat source capsules tested under multi-axial conditions. 370695
Burganova, V.A.
Investigation of the ferroprobe coercitivity meter KIFM-1 with various shoes for inspection of tubes. 373154
Burgardt, P.
Electrical resistivity of La. 359951
Electron paramagnetic resonance in gadolinium near T/sub C/ . 359903
Exchange vs crystal fields in Gd – Pr single crystal alloys. 378671
Burge, E.J.
Atomic nuclei and their particles. 354703
Burge, R.E.
Image analysis and beam damage. 371573
Burge, W.D.
Inactivation by ionizing radiation of Salmonella enteritidis serotype montevideo grown in composed sewage sludge. 367465
Burger, A.
Going back in time with zircon. 367356
Burger, C.P.
Novel modelling technique for hot forming of metals. (IS-M – 105) 362357

Burger, J.
Evidence for the tau → γrhoπ decay mode. 372500
Burger, M.
The near ultraviolet spectrum of Fe III as a classification criterion. 369073
Burgerjon, J.J.
Solution for remote handling in accelerator installations. 363175
The TRIUMF thermal neutron facility as planned for operation by 1978. (TRI – 77-1) 360710
Burgess, A.
Groundwater movements around a repository. Geological and geotechnical conditions. (KBS-TR – 54-01) 376773
Burgess, A. W.
Serum half-life and organ distribution of radiolabeled colony stimulating factor in mice. 367557
Burgess, J.
Solubilities of caesium hexachlororhenate(IV), hexabromorhenate(IV), and tetraoxorhenate(VII) in alcohol-water mixtures, and their relation to cosolvent characteristic volume. 351474
Burgess, J.H.
Method and device for inserting a multitude of fuel rods into a fuel element frame. (German (F.R.) patent document 1764925/B/) 352494
Burgess, P.H.
Instrument evaluation no. 7. D.A. Pitman Ltd., model 614 'Raditec' beta/gamma contamination monitor. (NRPB-IE – 7) 376634
Instrument evaluation no. 8. Nuclear Enterprises beta/gamma dose rate meter type 0500. (NRPB-IE – 8) 376633
Instrument evaluation no. 9. Mini-instruments dose rate meter type 5 – 1OR. (NRPB-IE – 9) 376632
Burgess, T.H.
Device for measuring the flow velocity according to the principle of Karman's vortex path. (German (F.R.) patent document 2415583/B/) 376685
Flow velocity measuring device according to the principle of Karman's vortex path. (German (F.R.) patent document 2531688/B/) 376684
Burgess, T.J.
Future pulsed magnetic field applications in dynamic high pressure research. (LA-UR – 77-1566) 357918
Burget, J.
Dynamic polarization of protons in polyethylene. 354325
Low-temperature physics and technology in JINR. 366791
Burgkhardt, B.
High-dose characteristic of LiF and $Li_2B_4O_7$ thermoluminescent dosimeters. 379867
TLD and RPL dosemeter performance criteria for environmental monitoring based on type tests and long-term experience. 355575
Burgmans, A.L.J.
Crossed molecular beam study rotational excitation of HD(J = 0 → 1) in collisions with He. (LBL – 6214) 358737
Burgmer, W.
Effects due to Coulomb interaction in the sequential decay reaction $^2H(\alpha, p\alpha)n$. 351271
Quasi-free contributions in the $^6Li(d,tp)^4He$-reaction at Esub(d) = 0.465 MeV. 356867
Burgov, N.A.
Measurement of energy dependence of differential cross section of the $\pi^-(p)+A \rightarrow p^+...$ inclusive reaction with proton backscattering for the incident particle energy range of 1.5-9.0 GeV. (ITEF – 9) 361877
Burgoyne, C.M.
Wave-wave interactions in a plasma. 350795
Burguet, W.
Reliability of myocardial imaging with thallium-201 to visualize myocardial ischaemia in coronary artery disease. 354943
Burian, I.
Experimental study on neutron field properties in a linear section of a sodium pipeline. (FEI – 596) 355255
Burianova, M.
Determination of micro-alloying additions and trace elements in standard steels by neutron activation analysis. (INIS-mf – 4143) 372844
Neutron activation analysis of residual amounts of rare earth metals in steels. 378097
Nonferrous metal determination in steels and slags by neutron activation analysis. (INIS-mf – 4143) 372843
Buric, L.
Excretion of pyrimidine deoxyribonucleosides after radio and chemotherapy in Hodgkin's disease. 379052
Burjan, V.
Yields of nuclear reactions for the production of radiopharmaceuticals ^{18}F, ^{43}K, ^{67}Ga, ^{111}In and ^{123}I with charged particles. (UJF – 4199-B) 377969
Burkart, A.R.
Neutron transport in two dissimilar media anisotropic scattering. (IEA – 414) 354002
Burke, C.W.
Primary (internal) decomposition in labelled compounds: a general mathematical treatment. 357091
Burke, D.G.
Proton hole states in ^{187} ^{189} ^{191}Re investigated by the (t(pol),α) reaction. 354205
Single proton states in odd holmium isotopes. 359513
Vector analyzing powers for the (d,t) reaction to a transitional nucleus ^{147}Nd. 359526
Burke, F.R.
Reactor internals design/analysis for normal, upset, and faulted conditions. (BAW – 10060) 360426
Burke, J.J.
Physical metallurgy of uranium alloys. 373103, 373108, 373109, 373111, 373136, 373143, 373157, 373162, 373199, 373210, 373244, 373268
Burke, K.W.
Special tip detector measurements at Edwin I. Hatch Nuclear Plant, Unit 1 prior to end of cycle 1. Final report. (EPRI-NP – 540) 374197
Burke, O.W.
Investigation of the effects of some safety system modifications on the safety of the HFIR. (ORNL/TM – 5738) 352800
Burke, P.G.
Electron excitation functions for the 2^3S, 2^1S, 2^3P and 2^1P states of helium between the n = 2 and n = 3 excitation thresholds. 374614
Electron scattering by atoms and molecules. 371467
Free-free transitions of an electron in the presence of an atomic system. 353189
A new R-matrix method for electron molecule collisions. 358717
Burke, R.
Pellet fusion by high energy heavy ions. 363176
Burkhalter, E.E.
User-oriented computer-aided approach to nuclear plant document control. 358116
Burkhalter, P.G.
Experimental studies of the physics of laser fusion. 377542
On the highly directional expansion of laser-produced plasmas. 366528
Burkhanov, G.S.
Some optical properties of mono- and polycrystals of molybdenum and tungsten in ultraviolet spectrum range. 357324
Burkhardt, H.G.
Optimization of the low-temperature rectification technique for Kr 85 separation from the waste gas of reprocessing plants. 369827
Burkhardt, W.
Reactor coolant pump for a nuclear reactor. (German (F.R.) patent document 2508812/B/) 355266
Burkholder, H.C.
Safety assessment of geologic repositories for nuclear waste. (BNWL-SA – 6068) 374423
Burkova, L.A.
Hydrogen-like system in crossed electric and magnetic fields. 348656
Second Born approximation in electron-atom scattering. 353321
Burlaga, L.F.
Interplanetary current sheets at 1 AU. 359061
Magnetic field experiment for Voyagers 1 and 2. 374877
Multispacecraft observations of microscale fluctuations in the solar wind. 350997
Burlakov, V.A.
Fast reactor spent fuels transportation problems. (IAEA-AG – 63-15) 363498
Storage of fast reactor spent fuel at the reactor site and in reprocessing plants. (IAEA-AG – 63-17) 368200
Burlakova, E.B.
Antioxigenic activity of lipids and radiosensitivity. 367513, 379040
Burlankov, D.E.
On dependence of cross sections of ion elastic stopping on the target atom number. 348657
Burlett, P.
Radiation sensitivity of cultured human glioblastoma cells. 362626
Burmaka, L.S.
Content of interstitial elements on the surface of molybdenum sheet stratifications. 359904
Burman, K.D.
Radioimmunoassay for 3,3'-L-diiodothyronine ($3,3'T_2$). 357634
Solitary autonomous thyroid nodules: comparison of fluorescent and pertechnetate imaging. 373695
Burman, R.
A remark on co-rotation in pulsar magnetospheres. 366677
Burman, R.L.
Energetic charged particle yields induced by pions on complex nuclei. 359494
Inelastic scattering of π^+ Mesons from nuclei at 50 MeV. 369493
Burman, R.R.
Generalized Ohm's laws for relativistically streaming plasmas. 356093
Paths of spinning particles in general relativity as geodesics of an Einstein connection. 353050
Burmeister, L.C.
Influence of liquid heat conduction on maximum pressure during transient film boiling from a sphere to a saturated liquid. 352369
Burmenskij, A.P.
Determination of molybdenum and tungsten concentrations in bedrocks by x-ray radiometric method. 349619
Burmester, J.
Measurement of the branching ratios for the decays J/PSI (3.1) → fω and J/PSI (3.1) → Bπ. (DESY – 77/50) 364568
Measurement of the branching ratios for the decays J/psi(3.1) → fω and J/psi(3.1) → Bπ. 372506
Burmester, U.
CT-tomometry. Pt. 1. 355087
Burmistenko, Yu.I.
Development of rapid high-efficiency photoactivation method for determination of gold in ore powder samples. 354646

Burmistrov, V.R.
Analysis for gold in rocks in the presence of high amount of silver. 357449
Burmistrova, M.P.
Some aspects of analysis of high purity copper. 372909
Burn, P.B.
Design of a three-meter, 7.5-TESLA superconducting segment test facility. (CONF-771029 – 109) 372082
Burn, R.R.
Phosphorous doping of floatzone silicon by thermal-neutron irradiation. 358311
Burnazyan, A.I.
Evaluation, prediction and regulation of population exposure doses in connection with nuclear power plant operation in the USSR. 367758
Burnel, A.
The reaction of $e^+e^- \rightarrow U^+e^-$ in SU(2) x U(1) gauge models. 353775
Burnell, J.B.
X-ray spectra and variability of some Seyfert galaxies and other high latitude sources. 372273
Burnett, D.S.
Spacecraft-produced neutron fluxes on Skylab. 372244
Burnett, J.C.
Time resolved x-ray photography of a dense plasma focus. 356094
Burnett, N.H.
Backscatter and beam refraction in underdense gas breakdown with nanosecond CO_2 laser. 350810
Self-steepening of the density profile of a CO_2-laser-produced plasma. 366534
X-ray emission characteristics of plasmas created by a high-intensity CO_2 laser. 358939
Burnett, P.
Confinement and the hadron spectrum in Yang Mills theories. 351197
The influence of lead temperature on the accuracy of various stainless-steel sheathed, mineral-inulated nickel-chromium/nickel aluminium thermocouples. (ND-R – 36(W)) 365731
Burnett, T.H.
A measurement of the form factor ratio gsub(1)/fsub(1) in lambda beta-decay. 369363
Search for narrow resonant states in e^+e^- collisions near 6 GeV. 351208
Burnett, T.M.
Electron-impact ionization of atomic oxygen. 353205
Burnette, R.D.
Behavior of fission product gases in HTGR fuel material. (GA-A – 13723) 379693
Burney, G.A.
Preparation and characterization of oxalate-based $^{237}NpO_2$ powder. 362307
Burnham, J.B.
Benefit/cost analysis of plutonium recycle options in the United States of America. 368447
Burnham, S.
Selective deficiency of thymus-derived lymphocytes in experimental pyelonephritis. 360267
Burniaux, M.
Electron transfer in $H^* - He^{++}$ collisions. 353368
Merged-beams study of the charge exchange between He^{2+} ions and highly excited hydrogen atoms. 348658
Burnicki, A.
The analysis of the Large Magellanic Cloud star HD 33579. 372243
Burnod, L.
SPS beam instrumentation and closed orbit correction. 363165
Burns, D.
On-line cardiac studies in a coronary care unit via a high speed link. (INIS-mf – 4010) 358412
Burns, E.J.T.
Electron deposition in thin targets. (SAND – 77-2000C) 371541
Burns, E.T.
Characteristics of instrumentation and control system failures in light water reactors. (EPRI-NP – 443) 365518
Characteristics of pipe system failures in light water reactors. (EPRI-NP – 438) 362861
Characteristics of pipe system failures in light-water reactors. 352191
Burns, F.B.
Chemical consequences of electron impact. 365048
Burns, G.
A method for charged-particle activation analysis and its application to fluorine determination by the $^{19}F(p,\alpha\gamma)^{16}O$ reaction. 369531
Burns, H.D.
Thallium-201 distribution in the thyroid: relationship to thyroidal trapping and blood flow. (INIS-mf – 4052) 373619
Burns, J.E.
Exposure-rate calibration of small radioactive sources of ^{60}Co, ^{226}Ra and ^{137}Cs. 376260
Burns, J.H.
Crystal structure of barium neptunyl(V) triacetate dihydrate. 362229
Studies of californium metal at high pressure by x-ray diffraction. (CONF-770717 – 1) 351735
Burns, J.S.
The influence of lead temperature on the accuracy of various stainless-steel sheathed, mineral-inulated nickel-chromium/nickel aluminium thermocouples. (ND-R – 36(W)) 365731
Burns, M.
Report to the New Zealand Government of the Fact Finding Group on Nuclear Power. 367739
Burns, R.C.
Preparation and properties of plutonium oxide tetrafluoride. 359724
Burns, R.D. III
Parametric approach to LMFBR safety evaluation. 362880
Treatment of incoherencies and uncertainties in LMFBR LOF accident analysis with PARSEC. (CONF-761001 – P3) 365525
Burns, R.S.
Concepts of remote signal transmission for liquid-metal fast breeder reactors. (CONF-771109 – 52) 379751
Burns, T.J.
Feasibility of denatured LMFBRs. 352725
Burns, W.C.
Proposed validation study for power plant operators. (EPRI-SR – 28) 352948
Burns, W.G.
Linear energy transfer (LET) effects in the radiation-induced inactivation of papain. 357135
Yield and decay of the hydrated electron in proton tracks. 357140
Burns, W.S.
A study of the $^{12}C(d(pol),\alpha)^{10}B$ reaction at 20.7 and 29 MeV. 354170
Burnyshov, V.S.
Synthesis and investigation into vanadium(5) compounds with tetraalkyl ammonium compounds-derivatives of xylilenediamine. 375571
Burov, G.I.
Radiation method of measurement of radial gaps in between motor crank mechanism joints. 363085
Burov, I.V.
Secondary electron emission from an iridium monocrystal. 375890
Burov, N.I.
Biochemical characteristics of blood serium of cows affected by nuclear fission products. 376145
On the action of strontium-90 on blood serum glycoproteids of pigs. 370421
Burov, V.K.
Pilot-industrial plant for radiation-chemical finishing of textiles. (INIS-mf – 4194) 376282
Burova, T.M.
Effect of irradiation with fast electrons on the uridindiphosphateglucose mechanism of glycogen synthesis in NKly tumours, spleen and liver of mice having tumours. 370347
Burr, C.R.
Magnetic susceptibility measurements of dilute MgEu alloys. 354549
Burrafato, G.
On the formvar vibrational spectrum by electron tunneling. 363972
Burrell, C.F.
Calorimetric and optical beam diagnostics on the LBL 120-keV neutral beam test facility. (LBL – 6383) 377367
Burrell, K.H.
Tokamak boundary in contact with a limiter. 348977
Burrell, N.S.
RETRAN sensitivity studies of light water reactor transients. Final report. (EPRI-NP – 454) 365526
Burrill, K.A.
Possible mechanism for corrosion product transport and radiation field growth in a pressurized water reactor primary circuit. 368133
Burris, L.
Chemical Engineering Division fast-neutron dosimetry annual report, July 1975 – June 1976. (ANL – 76-104) 361556
Chemical Engineering Division physical inorganic chemistry. Annual report, July 1975 – June 1976. (ANL – 76-101) 364847
Physical research on liquid-metal systems. Annual report, July 1975 – June 1976. (ANL – 76-106) 359830
Tritium processing and containment technology for fusion reactors. Annual report, July 1975 – June 1976. (ANL – 76-133) 358979
Burrows, A.W.
Radiation and growth hormone deficiency. 349759
Burrows, J.R.
Electron fluxes over the polar cap 2. Electron trapping and energization on open field lines. 370293
Burrows, T.W.
Bibliography of integral charged particle nuclear data. (BNL-NCS – 50640) 351236
Reference nuclear data for space technology. 377594, 377832
Bursh, H.F.
Where we're going and what we need to get there. 363701
Burshtein, Z.
Studies of band structure, excitonic processes and trap distributions in molecular crystals. (INIS-mf – 4127) 364072
Burshtejn, A.I.
Quasiresonance spectral line broadening in the impact approximation. 366375
Bursian, Eh.V.
Measurement of lattice dielectric permeability of PbTe by the magnetoplasma wave method at 77 K. 374668
Burson, Z.G.
Structure shielding in reactor accidents. 360427
Burstein, G.T.
Decomposition of metal oxide films under electron bombardment. 357407
Burstein, P.
Study of x-ray imaging systems for the 10 to 100 keV energy range. Final report, June 15, 1976 – March 12, 1977. (COO – 4000-1) 359017
Burt, J.S.
Bibliography of integral charged particle nuclear data. (BNL-

NCS – 50640) 351236
Burt, R.J.
Formation of superconducting A-15 V_3Ge compound by a composite-diffusion process. 351816
Burton, B.
An interpretation of the mechanism of creep in polycrystalline uranium carbide. 362513
Tensile creep of beta phase zircaloy-2. (CEGB-RD/B/N – 4073) 354502
Burton, D.E.
Containment analysis for the simultaneous detonation of two nuclear explosives. (UCRL – 52268) 363120
Burton, G.W.
Model calculations of heavy atom isotope effects for E2 and E1cB dehydrochlorination of 1,1-diaryl-2,2-dichloroethanes. 359591
Model calculations of hydrogen-deuterium isotope effects for E2 and E1cB dehydrochlorinations of 1,1-diaryl-2,2-dichlorethanes. 357003
Burton, J.J.
Surface segregation in alloys. 369917
Burton, J.K.
Autoaccelerator: a generator for producing a high energy intense relativistic electron beam by the autoacceleration process. 363177
Burton, W.B.
Comparative morphology of galactic carbon monoxide and hydrogen. 356196
The large-scale distribution of interstellar matter in the context of the density-wave theory. 356311
Burton, W.R.
Safety considerations in the fast reactor fuel cycle. 370528
Burtscher, J.
Method of producing silicon monocrystals doped by neutron activation. (German (F.R.) patent document 2516514/B/) 354622
Burtsev, A.F.
Hydrogenetion of unsaturated compounds at irradiated by α-and β-particles catalysts. 373091
Burtsev, V.A.
Application of explosive-emission cathodes for the production of high-current electron beams of large duration. (INIS-mf – 3954) 363178
Heating a dense theta-pinch plasma with strong fast-rising magnetic fields. 348894
Investigation of dense plasma heating in linear theta-pinch with strong fast-rising magnetic field. (INIS-mf – 3963) 371770
Target systems of multichannel laser thermonuclear facilities. (INIS-mf – 3954) 361509
Burtsev, V.L.
Organization of digital computer operating in the automatic data collection and control system for the 70 GEV proton synchrotron. (IFVE-PKU – 75-80) 350441
Burtsev, V.T.
Kinetics of molybdenum melts interaction with oxygen. 349387
Burtseva, K.G.
25 deg C isotherm of solubility and physico-chemical properties of saturated solutions of the sodium B-paratungstate-potassium-B-paratungstate-water system. 375418
Burtun, E.J.
The development of acoustic monitoring techniques of LMFBRs. (IWGFR – 10) 363499
Burukin, V.P.
Experimental RBT-6 reactor. 376597
Burylev, B.P.
Saturated vapor pressure of mixtures of cadmium and lead chlorides with manganese, iron and cobalt chlorides. (INIS-mf – 4193) 375425
Burzhua, K.
Comptetition of nuclear shapes in Hg, Au and Pt isotopes near A = 186. 377984
Burzo, E.
Molecular field coefficients in rare-earth – 3d transition metal composition. 362380
Molecular field coefficients in rare-earth-3d transition metal compounds. 355968
Burzynska, E.
γ-radiolysis of N,N-dimethylformamide. Pt. 2. Liquid products. 375696
γ-radiolysis of N,N-dimethylformamide, Pt. 1. Gaseous products. 375695
Busboom, H.J.
In-reactor stress relaxation in bending of 20% cold-worked 316 stainless steel. 360100
Stress-free swelling in Type 316 stainless steel at high fluences. 360980
Busby, C.C.
Thorium oxide granule and compact properties which are important to ThO_2 and $ThO_2 – UO_2$ fuel pellet fabrication (LWBR development program). (WAPD-TM – 1231) 360968
Busby, H.R.
Finite element nonlinear heat transfer analysis using a stable explicit method. 355124
Busca, G.
On the neutron multiplication problem in the passive neutron assay of plutonium bearing materials. (EUR – 5675) 359347
Buscaillon, A.
Isotropic nuclear graphites; the effect of neutron irradiation. (CEA-CONF – 4031) 370184
Busch, F.
Isotope and element distributions of the evaporation residues from fusion of 160 MeV ^{32}S with $^{24,25,26}Mg$ and ^{27}Al. 364818
Busch, G.
Neutron scattering investigations of the $LaNi_5$ hydrogen storage system. 367243
Busch, H.J.
The latest national and international regulations for the transport of dangerous goods. 361195
Busch, K.A.
Criteria and methods for earth quake design. 376561
Earthquake design of the components of the heat transfer system. 376559
Earthquake design of the piping heat transfer system. 376560
Improving the seismic strength of pipelines and components of the KNK-II heat transfer system. 371013
Busch, M.
The afterloading system of Essen for the intracavitary radiotherapy. 354919
Dosage in interstitial therapy with gamma emitters. 355084
Busch, P.J.
Local electron density measurements in a screw pinch by means of a Michelson interferometer. (Rijnhuizen – 76-96) 356113
Buschbom, R.L.
Absorption of ingested talc by hamsters. 360359
Deposition and retention of inhaled $^{239}PuO_2$ aerosols in new born and adult rats. (BNWL – 2100(Pt.1)) 360345
Dose-effect studies with inhaled plutonium oxide in beagles. (BNWL – 2100(Pt.1)) 360329
Buschhom, G.
Measurements of tau decay modes and a precise determination of the mass. 372505
Buschhorn, G.
Evidence for the F meson. 353947
On the origin of inclusive electron events in e^+e^- annihilation between 3.6 and 5.2 GeV. 353772
On the semileptonic decay of charmed hadrons. 356496
Buschmann, J.
Experimental studies of hexadecapole motion in spherical nuclei. 375090
Buschow, K.H.J.
The antiferromagnetic structure of $TbMg_3$. 362480
Crystal fields in PrX_3(X = In,Tl,Pb,Sn) intermetallic compounds with Cu_3Au structure. 378632
Degradation of hydrogen-absorbing rare earth intermetallics by cycling. 375824
Intermediate valence in $YbAl_3$ and $EuCu_2Si_2$ by X-ray photoemission (XPS). 353410
Intermetallic compounds of rare-earth and 3d transition metals. 359905
Investigation of ^{139}La NMR in Lasub(1-x)Gdsub(x)Zn and Lasub(1-x)Gdsub(x)Ag. 362406
Magnetic properties and hydrogen absorption in rare-earth intermetallics of the type RMn_2 and R_6Mn_{23}. 367234
Magnetic structure and magnetic properties of TbMg. 362479
The magnetic structure of $ErFe_4Al_8$ and $TbFe_4Al_8$. 362372
Neutron diffraction investigation of ferromagnetic TbB_2. 361483
Neutron inelastic scattering study of the compound $CeAl_3$. 378696
What is the mechanism of hydrogen absorption in rare-earth intermetallics. 373169
Busemann Sokole, E.
Sequential salivary gland scintigraphy using technetium-99m and carbachol. A clinical test. 354920
Thallium-201 scintigraphy for myocardial imaging with emphasis on its use in the coronary care unit. 354958
Busev, A.I.
Azo derivatives of pyrocatechol as analytical reagents for tungsten and molybdenum. (INIS-mf – 4191) 375318
Complexing of uranium (6), zinc (2) and manganese (2) with 7-(benzene-azo)-8-oxyquinoline-5-silfonic acid. 378158
Extraction of metal complexes with naphthyl- and benzyl bismuthol. 369607
Extraction of thorium with some pyrazolone derivatives. A new version of photometric determination of thorium with arsenazo 3. 364838
Extraction-atomic absorption-determination of some heavy metals after their concentration by benzyl bismuthol in cyclohexanone. (INIS-mf – 4191) 375233
Extraction-photometric methods with substitution of reagent. (INIS-mf – 4191) 375215
Increasing of sensitivity of rhenium and molybdenum determination with thioglycolic acid using formation of three liquid phases during extraction. (INIS-mf – 4191) 375235
New complex compounds of osmium (4,8) and ruthenium(4) with 2-mercaptobenzimidazole, 2-mercaptobenzoxazole and 2-mercaptobenzothiazole. (INIS-mf – 4192) 375426
Simultaneous extraction photometric determination of molybdenum and rhenium with thioglycolic acid. (INIS-mf – 4191) 375234
Some organic solvents effect on properties of uranium(6), zinc(2) and manganese(2) compounds with 7-(2-thiazolilazo)-8-oxyquinoline-5-sulfoacid. (INIS-mf – 4192) 375548
Bush, A.R.
Nuclear reactor feed pumps profit from fossil-plant experience. 368145
Bush, C.E.
Electron heating by neutral beam injection in Ormak. (INIS-mf – 3963) 371961
Electron heating by neutral-beam injection in the Oak Ridge tokamak. 358985
Relation of neutral beam injection to impurity behavior and extension of plasma parameters in ORMAK. (INIS-mf – 3963) 371934
Wall power measurements of impurity radiation in ORMAK.

(ORNL/TM – 6148) 377368
Bush, E.D. Jr.
Accelerating and focusing structures for PIGMI. (LA-UR – 77-1545) 363354
Bush, R.L.
Field-dependent electron mobility in methane-ethane liquid mixtures. 362278
Bush, S.H.
Development of in service inspection safety philosophy for USA nuclear power plants. 368134
Extended rules of the 1974 ASME Section XI Code, 'Inservice inspection of nuclear power plant components'. 365768
Final comments of the U.S. delegation concerning ASME code Section XI, Appendix A. (IAEA – 189) 360794
Bushberg, J.T.
Biological properties of molecules labelled with metal ions using bifunctional chelates. 354840
Bushin, Yu.B.
J/psi production off Be, Cu and W by 43 GeV/c negative pions. 369344
Bushko, S.V.
On the method for ring fatigue crack formation in cylindrical samples. 369955
Bushkov, A.Ya.
Synthesis and structure of aromatic and heterocyclic tellurium compounds. 351555, 369697
Bushmakina, V.I.
Extraction of platinum metals by alkyl anilines from solutions of chlorination of industrial copper-nickel half-finished products. 362180
Bushmarina, G.S.
Kinetic effects in rhombohedral and cubic phases in GeTe-A^3Te solid solutions. 368750
Bushnell, D.L.
Coulomb excitation experiments in ^{148}Sm, ^{150}Sm, ^{152}Sm, and ^{154}Sm. (ANL – 77-60) 378062
Coulomb excitation in even-N Sm nuclei. (CONF-770968 – 10) 372814
Nuclear structure of the odd-N Sm isotopes, ^{145}Sm, ^{149}Sm, ^{151}Sm, ^{153}Sm, and ^{155}Sm. (ANL – 77-60) 378063
Bushnin, Yu.B.
J/psi particle production in π^--N interactions at 27 and 40 GeV/c. 369364
Bushuev, A.V.
About the evaluation of nuclear data requirements for experimental studies on reactor physics. (INIS-mf – 4043) 360785
Heterogeneous effects on experimental integral parameters of subcritical assemblies. 360784
Bushuev, N.N.
K_2WO_4-$Th(WO_4)_2$ system. 375922
Busick, D.D.
Human exposure to ionizing radiation for medical reasons. 362710
Buskard, N.A.
Plasma cell leukemia following treatment with radiotherapy and melphalan. 362697
Buskirk, F.R.
Giant resonances and bound collective states observed in the scattering of 92.5-MeV electrons from the closed-neutron-shell nucleus ^{89}Y between excitation energies from 2.0 to 55 MeV. 364814
Isospin of the fine structure between 8 and 12 MeV in ^{208}Pb and its implication for the multipole assignment of the 8.9-MeV resonance. 364815
Buslaev, I.I.
Modernization of electron accelerator on the base of the RUP-400 x-ray unit. (INIS-mf – 4194) 379485
Buslaev, V.S.
Experimental water-water reactor. (Soviet patent document 438353/A/) 365998
Buslaev, Yu.A.
NMR study into reactions of vanadium- and tungsten oxohalogenides with alcohols. 369608
On features of substitution of multiply bonded ligands in tungsten complexes. 378229
Oxidation of 1,3-dicarbonyl compounds by hydrogen peroxide in solutions of molybdenum (6) and tungsten (6) complexes. 378345
Structure of polymeric niobium and tantalum ethoxy-fluoride complexes in solution. 359635
Urea, thiourea and guanidine as multiply connected ligands in complexes of d^0-elements. 375427
Busnardo Neto, J.
Extremity sealing of a theta pinch by magnetic cusp. 364245
Plasma simulation by means of a magnetostatic program. 364176
Busquey, Leon de
The power plants in Belgium and expansion programs. 380081
Bussard, R.W.
X-ray and gamma-ray line production by nonthermal ions. (N – 77-27061) 377595
Busse, C.
Use of refractory metals with additives in oxygen stabilizing elements as wall materials for heater tubes. 354530
Bussiere, A.
Researches with the 600MeV Linac. Chapter 4. (CEA-N – 1959) 354138
Bussieres, N.
Ionization and dissociative ionization of CO_2 by electron impact. 361920
Busso, L.
(πsup(+), ^{4}He) inelastic interaction at 110 and 160 MeV. 356489
Diffusion of πsup(+-) mesons on D, ^{3}He, ^{4}He with a streamer self-shunted camera in a magnetic field. (CNEN-LNF – 75-41(R)) 363547
Elastic scattering of πsup(+-)mesons on ^{4}He in the energy interval (68/208)MeV. 369385
Hydrogen streamer chamber with localizing admixtures. (JINR-R – 13-9713) 368303
Localization of charged particle tracks in a self-shunting helium streamer chamber. 379868
New improvement in track localization in self-shunted helium streamer chamber. 355527
Busso, M.
Galactic ^{4}He and heavy elements enrichment by stellar nucleosynthesis. 372131
Bussoletti, J.
Ambiguities in the determination of quadrupole strength from (p vector, γ_0). (RLO/1388 – 362) 372590
Bussoletti, J.E.
Direct, semi-direct and compound nuclear contribution to radiative alpha particle capture. (RLO/1388 – 362) 372591
E1 and E2 strength in ^{15}N(p vector, γ_0)^{16}O. (RLO/1388 – 362) 372692
Radiative proton capture by carbon-12. (RLO/1388 – 362) 372721
Silicon surface barrier detector telescope for electrons. (RLO/1388 – 362) 374308
Bussp, L.
(πsup(+),^{4}He) inelastic interaction at 100 and 160 MeV. 353928
Bust, C.P.
Tests of factorization from single- and double-pion production in 100-GeV/c p-antip and pp collisions. 351230
Buster, D.
Deposition of ^{239}Pu, ^{226}Ra, ^{233}U and ^{241}Am in the gonads of beagles and rats. (COO – 119-252) 373629
Retention and distribution of ^{239}Pu in beagles injected at 3 months of age. (COO – 119-252) 373628
Buster, D.S.
Retention and distribution of ^{241}AmIII in neonatal beagles. 370414
Bustraan, M.
Integral determination of fission product neutron capture cross sections for application in fast reactors. (ECN – 27) 358035
The separation and recycling of actinides: a review of the state of the art. (EUR – 5801) 361108
Busuoli, G.
Thermoluminescent dosimeters for UV radiations. 371081
Busygin, A.I.
Ion beam alignment in the MSX-4 mass spectrometer. 371156
Busyrev, A.V.
Luminescent spectra of rare earth ions in mixed fluoride crystals. (INIS-mf – 3955) 377170
Buta, A.
α-particle transfer calculations for reactions between heavy ions. 356583
Proton scattering on ^{238}U and the probable isobaric analogue resonances. 356579
Resonances analog to parent states in continuum. 356707
Butcher, E.C.
Atmospheric waves in the ionosphere due to total solar eclipse. 351963
Buthmann, H.P.
Method for protecting the top reflector of high-temperature reactors. (German (F.R.) patent document 2519273/A/) 355418
Butkov, V.A.
Choosing refractories for casting steel through flow gate. 360027
Butkovskaya, M.M.
Mass-spectrometric investigation of very fast reactions of fluorine atoms with radicals. 377126
Butler, G.G.
The specification and quality control of UO_2 fuel pellet microstructure to ensure density stability and low moisture content. 376439
Butler, G.W.
Observation of the new nuclides ^{27}Ne, ^{31}Mg, ^{32}Mg, ^{34}Al, and ^{39}P. (ORO – 3924-29) 364753
Butler, H.M.
Health physics aspects of fusion power. (ORNL – 5171) 367565
Butler, J.
The evolution of shielding methods and data. 377836
Butler, J.H.
Analysis of owner design specifications for snubbers. Report 2. (ORNL/NUREG/TM – 116) 360795
Butler, J.P.
Separation of rate processes for isotopic exchange between hydrogen and liquid water in packed columns 10. 367858
Butler, M.K.
Argonne Code Center: compilation of program abstracts. (ANL – 7411(Suppl.11)) 374513
Software package as an information center product. (CONF-770993 – 1) 374487
Butler, P.A.
Isomeric trapping following Coulomb excitation of high spin states in ^{178} ^{180}Hf. (ZfK – 336) 364780
Butler, P.F.
Determination of internal radiation absorbed dose: a computer method. 365631
Butler, P.R.
Numerical investigation of tunnelling contributions to electron scavenging reactions in liquids at short times. 362252
Numerical studies of electron tunnelling in liquids. 357141
Butler, R.C.
Low energy γ-ray observation of NGC4151. 359075

Butler, R.I.
Propagation of pinched electron beams for pellet fusion. 350907
Butler, R.J.
The plasma experiment on the 1977 Voyager Mission. 374882
Butler, S.E.
Charge transfer of multiply-ionized species. 374893
Radiative charge transfer between H and C^{++}, C^{+++}, and N^{++}. 350586
Butler, W.H.
Electron-phonon contribution to the phonon linewidth in Nb: Theory and experiment. 367235
Butler, W.R.
Inclusive V^0 and γ production in pd interactions at 18 GeV/c. 351214
Butseniek, I.Eh.
Some results of an experimental study on pressure velocity and flow density distributions in blanket model elements. (INIS-mf – 3954) 364172
Butsev, V.S.
Investigation of the negative pion capture in deformed nuclei. (ZfK – 336) 364731
Negative pion capture by medium nuclei in the Z approximately 50 region. 354166
Negative pion capture in chemical compounds. (JINR-E – 15-9658) 349132
Butt, C.R.M.
Geochemical Exploration 1976. 373396, 373399, 373402, 373420, 373423, 373424, 373429, 375967
Butt, N.M.
Temperature factors of UO_2 and UOsub(2.11) by powder elastic neutron diffraction. 362511
Butt, P.
Plan for transfer of technology in nuclear power plant design and construction to developing countries. 352459
Butt, R.
Critical exponent β for hyperfine fields in nickel. 374679
Localized vacancies in palladium produced by thermal neutron capture recoil. 371574
Buttemer, D.R.
Depressurization accident studies for GCFR's. (CONF-761001 – P3) 365527
Evaluation of safety test needs for the gas cooled breeder reactors. (CONF-761001 – P1) 362911
Gas-cooled fast reactor safety. 371049
Safety considerations in the design of gas-cooled fast breeder reactors. (CONF-761001 – P1) 362881
Butterfield, C.E.
Gas-cooled, graphite-moderated nuclear reactor. (German (F.R.) patent document 1614916/C/) 355419
Nuclear reactor fuel element with a cluster of parallel fuel pins. (German (F.R.) patent document 1514993/C/) 355430
Butterfield, R.S.
Nuclear reactor fuel element with a cluster of parallel fuel pins. (German (F.R.) patent document 1514993/C/) 355430
Buttermann, G.
Comparison of different methods for measurement of tubular clearance; PAH steady state method, whole-body measurements and compartment analysis of gamma camera mode renograms. (INIS-mf – 4010) 362803
Butterworth, D.
Two-phase flow and heat transfer. 357737, 357902, 357904, 358070
Butterworth, I.
Inclusive V^0 production in anti pp interactions at 12 GeV/c. 353939
Partial-wave analysis of $K^-p \rightarrow \pi^0\Lambda(1520)$ between 1710 and 2170 MeV c.m. energy including new data between 1775 and 1960. 372507
Total cross sections for charged-current neutrino and antineutrino interactions in BEBC in the energy range 20-200 GeV. 353945
Buttlar, H. v.
Levels of ^{104}Pd from the sup(104m,g)Ag decay. 375192
Buttlar, H. von
Properties of excited states in ^{102}Pd. 372785
Buttlar, H.v.
Dissipation of energy deposited by fast ions passing through carbon foils. (INIS-mf – 3996) 364619
Energy-straggling of H and He ions in thin solids. (INIS-mf – 3996) 364625
Buttler, E.
Noise analysis system for early detection of malfunctions in pressurized water reactor nuclear power plants. 350168
Buttler, R.
A nuclear safeguards system for large research centres with special regard to a computer-aided accounting system. 371296
Buttler, W.
Collisional relaxation of ionic ^{2}Psub(3/2) excited states in rare gases. 374602
Button-Shafer, J.
High proton polarization achieved with a (Yb, Y) $(C_2H_5SO_4)_3 \times 9H_2O$ spin refrigerator in a nonuniform magnetic field. 366011
Buttram, M.T.
Design and development of a 350 kV, 100 pps electron beam accelerator. (SAND – 77-1282C) 374082
Buturlakin, A.P.
T-p-x phase diagram of SbSIsub(x)Brsub(1-x) solid solutions. 350715
Buturlakin, M.S.
Action of UV- and X-rays on the chromophore groups of proteins in solutions. 351986
Butya, E.L.
Reaction of liquid zinc base uranium-containing alloys with salt molten mixtures. (INIS-mf – 4193) 375738
Butyagin, P.Yu.
Molybdenum disulfide reaction with oxygen during mechanical treatment. 349206
Butz, H.P.
Safety of nuclear power plants. 354981
Butz, M.
Investigations of the uses of programmes for fuel rod preservation. 370833
Butz, R.
Two dimensional Pd layer growth on W(110) and stepped W planes by surface diffusion. 369918
Butz, T.
The effect of high pressure on the nuclear quadrupole interaction at tantalum in 1T-TaS_2 and 2H-TaS_2. 377171
Localized vacancies in palladium produced by thermal neutron capture recoil. 371574
Pressure dependence of the electric field gradient at ^{181}Ta in Group IIIB metals: Sc, Y, Lu. 375822
A TDPAC high-pressure study of the electric-field gradients at tantalum in ω-zirconium. 375821
Butz, T.R.
National Uranium Resource Evaluation program. Uranium geochemical survey in the Crystal City and Beeville Quadrangles, Texas. 365284
A new approach for geochemical surveys of large areas for uranium resource potential. 365251
Buul, P.P.W. van
Dose-response relationship for radiation-induced translocations in somatic and germ cells of mice. 352030
Buxton, G.V.
Yield and decay of the hydrated electron in proton tracks. 357140
Buxton, L.D.
Molten LWR core material interactions with water and with concrete. (SAND – 77-1216C) 352215
Steam explosion triggering experiments with oxidized Corium-E simulants. (SAND – 77-1106C) 367780
Buxton, S.R.
Recovery of transplutonium elements from nuclear reactor waste. (US patent document 4,025,602/A/) 374405
Buxton, W.
ISABELLE half-cell control system. (BNL – 22492) 350058, 363179
Buyanov, E.V.
Mean traquency measurer. (Soviet patent document 473138/A/) 376686
Buyanova, L.M.
Atomic absorption determination of main composition of semiconductor films. 375387
Buyers, W.J.L.
Positronium-surface interaction in the pores of the Vycor glass. 368816
Spin waves and central modes in crystal field systems. 378645
Buzardan, S.Kh.
Spin correlations in neutrino (antineutrino)-electron scattering taking account of (S,T,P) interactions of neutral and charged currents. 375033
Buzdavina, N.A.
Charge asymmetry at large psub(T) in inelastic anti pp reactions at 22.4 GeV/c. 353943
Multiplicities and forward-backward correlations in anti pp interactions at 22.4 GeV/c. 366882
Results of methodical experiment on accuracy characteristics estimation and adjusting of system for chamber photo processing on the spiral digitizer. (JINR – 10-7940) 350279
Technique control and quality evaluation of results from chamber picture measurings. (JINR – 10-9833) 368484
Buzek, E.A.
In-plant safety/relief valve discharge load test, Monticello Plant. Final report. (NEDC – 21581) 365854
Buzovkin, V.P.
Studying thermal conductivity of malten oxides. 372997
Thermal conductivity of molten oxides. (INIS-mf – 4193) 378400
Byakov, B.M.
Hydration energy of positron and oxidation reactions of positronium. 375626
Byakov, V.M.
Effect of viscosity on positronium formation in liquid phase. 375627
On mechanism of formaldehyde formation at radiolysis deaerated aqueous solutions of methanol. 375720
On participation of unsolvated electron in chemical reactions in alcohol solutions. 369735
Byalobzheskij, A.V.
Oxidation of silicide coatings on niobium and its alloys VH-2 and VH-3. 351680
Bychenkov, A.I.
Semiconductor detectors for measuring alpha-radioactivity of liquids. 350295
Bychenkov, V.Yu.
Generation of the 3/2ωsub(o) harmonic of the neodymium laser radiation on heating of spherical targets. 377337
Bychkov, V.M.
Analysis of neutron cross sections of nickel and chromium isotopes in the fast energy range. (INIS-mf – 4043) 361966
Application of R-matrix formalism for estimation of resonance cross sections of nuclei with medium atomic number. (INIS-mf – 4043) 366926

Bychkova, M.I.
Magnetic properties of niobium-titanium alloy single crystals in superconductive state. 378588
Production of niobium and niobium-germanium superconductive films by vacuum deposition. 369874
Bychkovskaya, I.B.
On different types of hereditable changes in the viability of Amoeba protens cells x-irradiated with varying doses. 352010
Byer, R.L.
Absolute Raman frequency measurement of the Q (2) line in D_2 using cw CARS. 371491
16-μm source for laser isotope enrichment. 357849
Byerley, W.M.
Steam generators. (German (F.R.) patent document 2600032/A/) 358055
Byerly, R.T.
Simulation of the TFTR pulsed load power supply system. (WFPS-TME – 023) 368923
Byers, C.C.
Fission and explosive energy releases of PuO_2, $PuO_2 – UO_2$, UO_2, and UO_3 assemblies. 367946
Byers, J.A.
Hybrid simulations of quasineutral phenomena in magnetized plasma. (UCRL – 80009) 366510
Byggeth, N.
Building and starting up a heavy nuclear component shop. 352460
Byjakov, V.M.
The role of dry electrons in positronium formation in polar liquids. 359772
Bykhovskij, D.G.
Device for the treatment of molten metal. (Soviet patent document 410524/A/) 362353
Bykhovskij, D.N.
Oxalic acid solutions composition effect on processes of protactinium (5) sorption on silica gel and its coprecipitation with thorium oxalate. 359725
Bykorez, A.I.
Blastomogenic action of various doses of bremsstrahlung from the LUEh-5 linear electron accelerator on the rat liver. 362659
Bykov, A.A.
Measuring the bimetal plates sagging under high-temperature heating. 358020
Bykov, I.P.
Effect of external electric fields on Gd^{3+} EPR in $KTaO_3$. 374713
Bykov, S.V.
The problem of selection of plasma spraying conditions. 349423
Bykov, V.E.
"Uragan-3"-torsatron with a spatial divertor. (INIS-mf – 3954) 364161
Basic physical and technological problems of design of the TB-O experimental thermonuclear installation for longitudinal confinement of a pure plasma. (INIS-mf – 3954) 361489
Magnet system of the "Jupiter 2T" high-temperature plasma electromagnetic trap. (INIS-mf – 3954) 361581
Magnetic field configuration in a tokamak with a poloidal divertor. (INIS-mf – 3954) 361510
Tokamak with an intense (higher 100kOe) magnetic field. (INIS-mf – 3954) 361487
Torsatron divertor and it's effect on impurities transport and accumulation. (INIS-mf – 3954) 361497
Bykov, V.I.
Neutron irradiation effect on the nature and thermal stability of radiation defects in ZrHsub(1,9) hydride. (FEI – 688) 373338
Bykov, V.N.
Investigation of inhomogeneity of carbonate productive stata from a complex of geologo-geophysical and production characteristics (on the example of Osinskoe field). 349620
Kinetics of nucleation and growth of vacancy voids and dislocation loops in neutron irradiated steel-OKh16N15M3B. 373383
Radiation damage of structural materials of fast reactors. 375944
The study of radiation swelling in zirconium-hydrogen system. 378812
Bykova, I.A.
Investigation of inhomogeneity of carbonate productive stata from a complex of geologo-geophysical and production characteristics (on the example of Osinskoe field). 349620
Bykova, T.T.
Change of photopotential and potential of CdS surface in the process of oxygen thermodesorption. 350716
Photostimulated desorption from cadmium sulfide surface. 349253
Bykovskij, N.A.
Densification of porous beryllium during sintering. 375919
Bykovskij, P.I.
Relative quantum yield of luminescence of NaBr-Eu^{2+}-TR^{3+} crystals ($TR^{3+} = Pr^{3+}$, Nd^{3+}, Tb^{3+}, Dy^{3+}, Ho^{3+}, Er^{3+}). (INIS-mf – 3955) 378230
Bykovskij, Yu.A.
Study in ion composition on a plasma produced by CO_2 laser radiation. 370736
Bylashevich, Ya.P.
Radiological peculiarities of waters in faults of the Northern Kirghizia. 376030
Bynum, J.R.
Control rod sequence exchanges utilizing an off-line predictive code. 358091
Byoun, T.Y.
Computer program SCAP-BR for gamma-ray streaming through multi-legged ducts. (CONF-771109 – 88) 379546
Byrd, R.C.
Discrepancies between global nucleon-nucleon phase shifts and new data for n-p scattering at 16.9 MeV. 367009
Byrne, A.R.
Activation analysis of tin at nanogram level by liquid scintillation counting of ^{121}Sn. 375236
Byrne, J.G.
Positron measurements of aging in complex aluminium alloys. 348796
Byron, F.W. Jr.
Eikonal theory of electron- and positron-atom collisions. 371468
Exchange amplitudes and forward dispersion relations for electron-atom scattering. 353206
Total cross-sections in electron (positron)-helium scattering. 353207
Byrski, E.
^{60}Co telegammatherapy technique used at the Institute of Oncology in Cracow in treatment of maxillary sinus planoepithelial carcinoma. 367835
^{60}Co telegammatherapy used at the Institute of Oncology in Cracow in treatment of oral planoepithelial carcinoma. 367834
Byrski, T.
Magnetic moment and lifetime of the first excited state of mirror nuclei ^{21}Ne and ^{21}Na. 359455, 369463
Bystraj, G.P.
Transport properties in molten mixtures of uranium trichloride with alkali metal chlorides. (INIS-mf – 4193) 375628
Bystricky, J.
The influence of electromagnetic interaction on proton-proton elastic scattering. 354051
Bystrikov, A.V.
Molybdenum disulfide reaction with oxygen during mechanical treatment. 349206
Bystritskaya, E.V.
Programs for arithmetical actions with number of different types. (ITEF – 30) 350442
Bystritskij, V.M.
A direct measurement of the rates of formation of ppμ and pdμ molecules in gaseous hydrogen. 355866
Flight range spectrometer for multicharged ions. 376687
Study on the possibility of an experimental detection of the $\gamma + \gamma \rightarrow e+$-reaction by high current electron accelerator. 349968
Bystrov, L.N.
Radiation stimulated processes in metal materials of thermonuclear fusion reactors. Simulation problems. (INIS-mf – 3954) 362381
Bzhalava, T.A.
First-order transition in samarium monosulphide. 375923
Bzhalava, T.L.
Electric properties of SmS metallic modification. 350731
Caan, M.N.
Characteristics of the association between the interplanetary magnetic field and substorms. 367416
Magnetic effects of magnetospheric substorms. 351964
Caarls, J.J.L.
Skin heating and confinement in a tokamak plasma. (INIS-mf – 3963) 371916
Cabeen, W.R. Jr.
Myocardial imaging with ^{123}I-hexadecenoic acid. 362787
Cabela, E.
The effect of vinblastine on DNA metabolism in tumour cells. 354732
Cabelka, D.
Czechoslovak-made Nb_3Sn superconductors. 367236
Cabibbo, N.
Time reversal violation in neutrino oscillation. 377710
Cabiddo, N.
Bag models. 353776
Cable, J.W.
Magnetic form factor of Eu^{2+} in EuO. 353411
Cabot, C.
New osmium and iridium isotopes produced through ^{63}Cu induced reactions. 364754
Cabral, J.A.C.
Nonlinear interaction between a lower hybrid wave and the electron cyclotron instability. (INIS-mf – 3963) 371772
Statistics of amplitude and time-intervals associated with sequences of electron cyclotron bursts. (INIS-mf – 3963) 371771
Cabrera-Juarez, E.
Formation of a thymine photoproduct in transforming DNA by near ultraviolet irradiation. 351987
Cabrera, N.
On the exact solution to the scattering of atoms from a hard corrugated surface: application to stepped surfaces. 368780
Cabrnoch, J.
Applications of sealed sources in chemical engineering. I. 379405
Cacak, R.
Merged electron-ion beam experiments. 366315
Caccamo, C.
Partial structure factors of an ionic model of liquid UO_2. 350574
Cachard, A.
Use of MeV He^+ backscattering and (p, α) reactions to study the sputtering of LiF films bombarded with noble gas up to 40 KeV. 368888
Cachera, Pierre
Process of flattening of the heat release curve of a nuclear reactor core and reactor core using said process. 355457
Cacuci, D.G.
Neutron slowing down and transport in a medium of constant cross section. I. Spatial moments. 366902
Cadeau, M.
An heavy ion source utilizing plasma acceleration by electron cyclotron resonance designed for etching operations. 370676

Cadek, J.
Creep and creep fracture of 17249 steel. 378646
Creep and creep rupture of a Zr-6%Sn-1%Mo alloys. 370016
Cadet, J.
Molecular aspects of chemical radiosensitization. 354733
Cadez, I.
On the resonant electron impact excitation of CO_2 in the 4 eV region. 376984
On the resonant electron impact excitation of CO_2 in the 4eV region. 353208
Cadieu, F.J.
Synthesis of the $Nb_3(Al-Ge)$ system by sputtering. 359906
Cadieux, J.R.
Search for the production of particle-stable neutral nuclei at multi GeV energies. 369513
Cadigan, R.A.
Radioactive springs geochemical data related to uranium exploration. 375967
Cadiou, L.
Metallurgical evolution of heavy forgings in low alloy steels for nuclear vessels. 355384
Cadrot, J.
Hot laboratory design on the basis of standardized components. 360680
Cadwallader, G.J.
Primary coolant system response to an HTGR core heatup. (GA-A – 14277) 367748
Caeneghem, J. van
Safety practices and standards, developments and incentives for international co-operation. 370623
Caetano Neto, E.S.
The Mehler formula and the Greenn's function of the multidimensional isotropic harmonic oscillator. (IFT – 207/75) 355726
Cafasso, F.A.
Chemical Engineering Division fast-neutron dosimetry annual report, July 1975 – June 1976. (ANL – 76-104) 361556
Chemical Engineering Division physical inorganic chemistry. Annual report, July 1975 – June 1976. (ANL – 76-101) 364847
Physical research on liquid-metal systems. Annual report, July 1975 – June 1976. (ANL – 76-106) 359830
Solubilities of the noble gases in liquid sodium. (CONF-760503 – P2) 352726
Trapping efficiency of molten lithium for 20-keV tritium ions. 350611
Tritium processing and containment technology for fusion reactors. Annual report, July 1975 – June 1976. (ANL – 76-133) 358979
Caffey, L.W.
Objectives and overview: the Clinch River Breeder Reactor Plant. 371014
Cage, M.E.
The hyperfine structure and hyperfine anomaly of ^{161}Dy and ^{163}Dy. 354168
Cagle, G.W.
National Uranium Resource Evaluation program. Uranium geochemical survey in the Crystal City and Beeville Quadrangles, Texas. 365284
A new approach for geochemical surveys of large areas for uranium resource potential. 365251
Cagliostro, D.J.
Response of single subassembly hexcan wrappers to pressure loads. (CONF-761001 – P3) 365515
Cagnac, B.
Relaxation of sodium atoms in the 4D level by collision with noble gases: preliminary result. 353194, 376975
Cagnac, Bernard
Measurement of the ratio of the nuclear magnetic moments of mercury odd isotopes. 356754
Cagnetta, J.P.
Spent fuel storage: utility perspective. 352399
Caha, A.
Eye protection in electron beam therapy. 379323
Cahalan, J.E.
Assessment of transport effects in LMFBR safety neutronics. (CONF-761001 – P2) 365528
SAS4A LMFBR accident analysis code system: a progress report. (CONF-761001 – P3) 365548
Cahill, L.
The challenges to come. 363683
Cahill, R.A.
Application of neutron activation analysis to coal research. 378157
Survey of trace elements in coals and coal-related materials by neutron activation analysis. 372922
Cahill, W.J. Jr.
Relationship between productivity goals and regulatory needs: current trends and hope for the future. 363711
Cahmpion, R.L.
Differential cross section for collision of alkali ions and atoms, ch. 5. (INIS-mf – 4090) 366381
Cahn, R.N.
How to look for particles containing b quarks. 372376
Parity violations in hydrogen and the fundamental structure of the weak current. 361341
Cahn, R.P.
Method for the utilization of heat generated in an electric power plant. (German (F.R.) patent document 2640789/A/) 370812
Cahoon, J.L.
Design and construction of the Donner 280-crystal positron ring for dynamic transverse section emission imaging. (LBL – 5679) 373651
Cahoon, J.R.
Effect of composition on the electrochemical behavior of austenitic stainless steel in Ringer's solution. 378550
Caillet-Fauquet, P.
Molecular mechanisms of induced mutagenesis. 378988
Caillibot, P.F.
Quality assurance. 363475
Cain, D.L.
Viking relativity experiment. 366755
Cain, W.D.
Magnetic field computations for ISX using GFUN-3D. (CONF-771029 – 69) 371773
Structural analysis of the large coil segment test. (CONF-771029 – 62) 371774
Caine, A.
The induction of chromosome aberrations in mouse dictyate oocytes by x-rays and chemical mutagens. 373517
Caird, J.A.
Fluorescence and excitation spectra of Bk^{3+}, Cf^{3+}, and Es^{3+} ions in single crystals of $LaCl_3$. (CONF-771039 – 6) 377037
Caird, R.S.
Future pulsed magnetic field applications in dynamic high pressure research. (LA-UR – 77-1566) 357918
Cairns, J.A.
Improvements in or relating to catalysts and catalytic burners. (UK patent document 1485370/A/) 358864
Cairns, R.A.
Enhancement of stimulated Compton scattering in inhomogeneous plasmas. 377344
Cais, R.E.
Depropagation reactions in the dopolymerization of vinyl chloride and sulfur dioxide. 378505
Caisley, J.
Some studies of the effect of irradiation on the neutron small angle scattering from graphite. 365240
Caizergues, R.
Use of methods of optimizing hot water pipeline networks for some concrete examples. 355657
Calabretta, A.
Advances on thermochemistry of rare earths alloys. 357252
Calado, C.E.
Measurement of oxygen content of uranium oxide fuel and steel. (IEA – 425) 354285
Calame-Longjean, A.
Problems of dismantling, treating and analysing highly irradiated fuel elements. 360843
Calandra, J.C.
Strawberries, apples and pears. 367666, 367667
Calaprice, F.P.
Analysis of the recoil ion spectra for the β-decays of ^{16}He, ^{19}Ne and ^{35}Ar. 372630
Measurements of the radiative widths of the first $T=1$, 2^+ state of ^{20}Ne and their relationship to analog β-decays. 354182
Calarco, J.R.
Initial performance of the Stanford Superconducting Recyclotron. 363180
Structure in the giant dipole resonance of ^{16}O: Evidence for a secondary doorway state from polarized-proton capture. 366968
Calaway, W.F.
Physical research on liquid-metal systems. Annual report, July 1975 – June 1976. (ANL – 76-106) 359830
Tritium processing and containment technology for fusion reactors. Annual report, July 1975 – June 1976. (ANL – 76-133) 358979
Calcagno, M.
Pre-service and in-service inspections on ENEL reactors. 365762
Caldarola, L.
Current status of experimental and theoretical work on sodium/fuel interaction (SFI) at Karlsruhe 'simulation experiments'. (PNC-N – 251-76-12(vol.1)) 349890
The Karlsruhe computer program for the evaluation of the availability and reliability of complex repairable systems. 374154
A model for fuel fragmentation during molten fuel/coolant thermal interactions. (CONF-761001 – P4) 363036
Unavailability and failure intensity of components. 355134
Caldas, A.
Electronic paramagnetic resonance of the Fe^{3+} in orthorhombic symmetric centers in the MgO. 365137
Caldas, L.V.E.
Effect of simultaneous thermal and optical treatments in LiF(Mg). 350717
Photo-TL in $CaSO_4$:Dy. (IEA – 426) 351883
Calder, C.A.
Determination of sound velocity in liquid metals at temperatures above 4000 K. (UCRL – 79322(Rev.1)) 351746
Calder, R.
Vacuum cold bore test section at the CERN ISR. 363155
Calder, S.E.
DTPA research at the University of Utah. 354857
Zn-DTPA administered by slow-release implant. (COO – 119-252) 373592
Calderon, C.
Solar cycle effects on the electric fields in the equatorial ionosphere. 370315
Calderon, M.O.
Large rectangular bellows valve. (UCRL – 79751) 372058
Liquid nitrogen cooled liners for 2XIIB. (UCRL – 79755) 371729
Mechanical design for TMX injector system. (UCRL – 79753) 374810
System design for the new TMX machine. (UCRL – 79749) 374811
Vacuum system for the Tandem Mirror Experiment. (UCRL –

79750) 368914
Calderwood, F.W.
Elastic properties of polycrystalline scandium and thulium sesquioxides. 362487
Caldi, D.G.
Quark-mass generation by pseudoparticles. 351143
Caldirola, P.
Italian activities in uranium enrichment. 367845
On the approach to statistical equilibrium of a quantum macrosystem. 366249
On the classical theory of electron and the structure of space-time. 353051
On the introduction of a fundamental interval of time in quantum mechanics. 353052
Caldwell, D.O.
High energy user group at Santa Barbara. Progress report, May 1976 – March 1977. (UCSB-GEN-10-PA23 – 31) 364569
Caldwell, J.T.
Photofission studies with monoenergetic photons. (BNL-NCS – 22500) 364746
Caldwell, R.L.
Nuclear techniques in oil and gas exploration and production. 375968
Caldwell, W.L.
Relationship of time – dose factors to tumor control and complications in the treatment of Cushing's disease by irradiation. 367519
Relationship of time – dose fractionation factors to complications in the treatment of pituitary tumors by irradiation. 367518
Calegaro, J.U.M.
Thyroid functional exploration with radionuclides in Londrina (Parana)(I). 352087
Calhoun, J.R.
Advanced developments in boiling water reactors. 379638
Calhoun, R.
Born-approximation calculations of the energy and angular distribution of electrons ejected by proton-impact ionization of helium. (ANL – 76-88(Pt.1)) 361376
Calhoun, R.V.
Angular correlation parameters for 1s-2p excitation of hydrogen calculated in the distorted-wave approximation. 358718
Electron-impact excitation of the 2p state of atomic hydrogen in the distorted-wave approximation – Angular parameters. 353358
Triple-differential cross sections for electron-impact ionization of helium. 350647
Call, W.R.
Degassing a large LHe cryopump. (UCRL – 79674) 371811
Callahan, G.D.
Data input manual for RSI/TEVCO: a thermo/viscoelastic finite element computer program. (Y/OWI/SUB – 77/22303/6) 351921
Data input manual for RSI/TRANCO: a finite element heat conduction computer program. (Y/OWI/SUB – 77/22303/1) 351920
Thermo/viscoelastic analysis of the waste-container sleeve. II. Stress and displacement fields for the room-and-pillar configuration. Technical memorandum report RSI-0021. (ORNL/SUB – 4269/5) 361114
Thermo/viscoelastic analysis of the waste-container sleeve: I. Time-dependent salt loading on the sleeve and closure of the drillhole. Technical memorandum report RSI-0020. (ORNL/SUB – 4269/4) 352871
Callahan, J.P.
Design and analysis of multicavity prestressed concrete reactor vessels. (CONF-770807 – 32) 358250
Callahan, R.J.
Pharmacokinetics of /sup 99m/Tc diphosphonate. 352088
Callan, C.G. Jr.
Fate of the false vacuum. II. First quantum corrections. 371350
Instantons and massless fermions in two dimensions. (COO – 2220-110) 361775
Callaway, J.
Electron impact excitation of resonances below the n = 3 levels of atomic hydrogen. 361379
Callcott, T.A.
Emission and absorption x-ray edges of Li. (CONF-770935 – 1) 362382
Callebaut, D.K.
Variational principle for non-linear stability analysis. (INIS-mf – 3963) 371775
Callegari, A.
Temperature dependence of microwave SQUID response. 374003
Callen, J.D.
Collisional effects on trapped electron instabilities. 372065
Internal disruptions in tokamaks. 374826
Interpretation of tokamak sawtooth oscillations. 374866
Plasma engineering considerations for a medium-field ignition test reactor. 377509
Turbulence theory for the dissipative trapped electron instability. (ORNL/TM – 5942) 350962
Callender, R.H.
Deflection of laser-excited atoms by an electric field. 351531
Calleri, G.
Eurex Euratom-CNEN agreement tenth annual report for the year 1974. (EUR – 5620) 359845
Calligarich, E.
Application of the Hanbury-Brown and Twiss interferometry to the production of like pions in πsup(-)p collisions at 11.2 GeV/c. 353777
Study of $A_2^- \rightarrow$ etaπsup(-) in the reaction πsup(-)p→πsup(-)πsup(-)πsup(+)πdegp at 11.2 GeV/c. 369279
Calligaris, F.
Theoretical model of light-pulse propagation in pipes verified by single-photon technique. 379969
Callis, R.S.
Radiological survey of Puget Sound Naval Shipyard Bremerton, Washington, and environs. (EPA – 520/5-77-001) 357511
Callis, R.W.
Mechanical design of the Doublet III indented vacuum vessel. (GA-A – 14591) 371776
Switch requirements for Doublet III and EPR. (EPRI-ER – 376-SR) 361511
Callowhill, K.
Instrument evaluation no. 2. Eberline portable ion chamber model RO-1. (NRPB-IE – 2) 376667
Instrument evaluation no. 3. Eberline portable ion chamber model RO-2. (NRPB-IE – 3) 376666
Instrument evaluation no. 4. Nuclear Enterprises gamma dose rate meter type 2604. (NRPB-IE – 4) 376665
Instrument evaluation no. 5. Wallac OY universal radiation survey meter type RD-8. (NRPB-IE – 5) 376664
Instrument evaluation no. 6. Victoreen 440RF/A shielded low-energy x-ray survey meter. (NRPB-IE – 6) 376635
Instrument evaluation no. 7. D.A. Pitman Ltd., model 614 'Raditec' beta/gamma contamination monitor. (NRPB-IE – 7) 376634
Instrument evaluation no. 8. Nuclear Enterprises beta/gamma dose rate meter type 0500. (NRPB-IE – 8) 376633
Instrument evaluation no. 9. Mini-instruments dose rate meter type 5 – 1OR. (NRPB-IE – 9) 376632
Calmon, C.
Containment and removal of radioactive spills by depositing a crosslinked ion exchange composition in a dry form over region of spill. (US patent document 4,056,112/A/) 379324
Calogero, F.
On a functional equation connected with integrable many-body problems. 353053
Special solutions of coupled nonlinear evolution equations with bumps that behave as interacting particles. 355733
Transformations between solutions of different nonlinear evolution equations solvable via the same inverse spectral transform, generalized resolvent formulae and nonlinear operator identities. 353054
Two remarks about the computation of nuclear matter energy in the hyperspherical basis. 354052
Calugaru, G.
Magnetoviscosity of ferrofluids. 355969
A new aspect of the movement of ferrofluids in a rotating magnetic field. 355970
Calusaru, A.
Tunneling at the metal electrolyte solution interface without W.K.B. approximation in ion discharge at the limiting current. 356025
Caluzon, P.P.
Safety conclusions from start-up tests and from the analysis of the core behaviour of Phenix. (CONF-761001 – P1) 362882
Calvert, L.D.
Rare earth arsenides: the metal-rich europium arsenides. 378743
Calvert, R.L.
Spin polarization and temperature effects in reflection diffraction from W(001). 373170
Calvetti, M.
An upper limit for the radiative decay width of the J/psi resonance into eta'(958)+γ. 369353
Calvi, G.
Angular correlation in the $^7Li + {}^3He \rightarrow 2\alpha + d$ reaction at $E_3He = 4.7$ MeV. 356733
Calvin, M.
Mixed valence interactions in di-μ-oxo bridged manganese complexes. 367076
Calvo, C.
Mixed valence europium perovskites in the system Eu – Ta – O. 357359
Calvo, M.
Curious properties of the spherically symmetric Yang-Mills Euclidean solutions. 363754
Calvo, R.
Loss of one heat transport loop without reactor trip. 352263
Calvo, W.
Characterization of bone marrow and lymph node repopulating cells by transplanting mononuclear cells into radiated dogs. 370363
Calza-Bini, A.
Mechanical behavior of a fuel pin for fast reactors: effect of the fuel form and of the approach-to-power on the change of the fuel stack length under irradiation. 379737
Camani, M.
Depolarization of positive muons in Cu. 377172
Knight shift measurements by spin rotation of positive muons (μ⁺SR) in ferromagnetic Ni. 377173
Positive muons in copper: Detection of an electric-field gradient at the neighbor Cu nuclei and determination of the site of localization. 363875
Camargo, E.E.
Critical assessment of radioisotopic methods used in the evaluation of pherispheral blood flow. 365468
Labelling of human fibrinogen with radioactive iodine (^{125}I). 351620
Camargo, P.B. de
The dynamic relaxation method in the structural analysis of concrete pressure vessels. (IEA – 471) 365801

Cambini, M.
Influence of oxygen on void-swelling in neutron-irradiated vanadium. 357403
Cambou, F.
ARAKS – controlled or puzzling experiment. 376041
Camenzind, M.
The gravitational field of spherically symmetric matter distributions in the Yang-Mills gauge theory of gravity. 353669
Cameron, D.J.
High strength corrosion-resistant zirconium aluminum alloys. 357234
On the existence of a memory effect in hydride precipitation in cold-worked Zr-2.5% Nb. 362383
Cameron, J.
Demand and supply estimates for the nuclear fuel cycle. 366161
Cameron, J.A.
Integral rotation of the 5/2⁻ 193-keV level of ^{63}Zn. 356847
Cameron, J.M.
Elastic proton scattering from ^{4}He in the forward direction at 200, 350 and 500 MeV. 362107
Energy loss and straggling of low energy alphas in helium. 353209
Knockout reaction study with a polarized proton beam. 372780
Cameron, J.R.
Patient exposure from diagnostic x rays: an analysis of 1972-1974 NEXT data. Final report 1 Oct 72 – 30 Aug 74. (PB – 267741) 362712
Cameron, W.
K⁰sub(L)p interactions in the c.m. energy range 1.54-1.71 GeV. 372508
Partial-wave analysis of K⁻p→π⁰Λ(1520) between 1710 and 2170 MeV c.m. energy including new data between 1775 and 1960. 372507
A study of the Dalitz plot in the decay K⁰sub(L)→π⁺π⁻π⁰. 353988
Camilleri, L.
Physics with very high energy e⁺e⁻ colliding beams. (CERN – 76-18) 375013
Camilloni, R.
Absolute (e, 2e) differential cross section measured in coplanar conditions: He. 371534
An investigation on the interaction mechanism in (e,2e) experiments. 353250
Mapping of molecular orbitals in CO_2 and SF_6 obtained by (e,2e) technique. 353365
Validity of the (e,2e) reactions as a probe of the atomic and molecular structure. 371485
Camin, L.L.
Comment on monitoring the Zr and ^{113}Sn breakthrough in the sup(113m)In eluates from a ^{113}Sn-sup(113m)In generator; and reply from Rao, S.A.; Chandra, R.; Braunstein, P. 376234
Cammarata, J.B.
Low-energy pion-nucleon scattering. 372359
Pion – nucleon sigma-commutator. (ORO – 5126-16) 361769
Camona, G.A.
Corrosion resistance of tubes for PWR steam generators. 362294
Camp-van Berkel, M.M.
Kinetics of the reduction of uranium oxide catalysts. 373018
Camp, D.
Polarized radiation for XRF of elements with Z = 47-57. 378126
Camp, E. van
Fine structure in the ^{208}Pb(γ,n) cross section. 375210
Camp, L.R.
Survey of trace elements in coals and coal-related materials by neutron activation analysis. 372922
Camp, V.M.
Measurement of 3-0-methyldopamine in urine and plasma by a rapid and specific radioimmunoassay. 373655
Campagna, A.O.
Flow-induced vibration analysis of heat exchanger and steam generator designs. (AECL – 5826) 360824
Campagna, M.
Electron energy loss spectroscopy and ultraviolet photoemission of TmSe. 368751
Intermediate valence in $YbAl_3$ and $EuCu_2Si_2$ by X-ray photoemission (XPS). 353410
X-ray photoelectron spectroscopy in rare-earth hexaborides. 357352
Campagnari, F.
The activity of mammalian polynucleotide ligase on X-irradiated DNA's. 376065
Campana, R.J.
Vented fuel experiment for gas-cooled fast reactor application. 379780
Campanini, R.
Search for 'charm' in nuclear emulsion. 353946
Search for short-lived particles produced by 300 and 400 GeV/c protons in nuclear emulsions. 364564
Campargue, R.
The jet membrane experiment: downstream sampling. (CEA-CONF – 3840) 354326
Campbell, A.I.
Prospects for the development of disease-resistant temperate fruit plants by mutation induction. 373705
Campbell, C.E.
Correlated pairing theory of liquid ^{3}He. 359210
Campbell, C.J.
Boson spin tests from sequential decays: spin-parity analysis of the F_1 meson. 377814
Campbell, D.E.
Experimental laser fusion devices and related vacuum problems. (UCRL – 79176) 358991, 368980
Campbell, D.K.
Beta decay of pion condensates as a cooling mechanism for neutron star. 351051
Campbell, D.O.
Recovery of transplutonium elements from nuclear reactor waste. (US patent document 4,025,602/A/) 374405
Campbell, D.S.
Deposition methods for dielectric films and their electrical properties. 348774
Campbell, E.M.
Time-resolved x-ray spectra of laser irradiated high-Z targets. (UCRL – 79783) 377469
Campbell, F.R.
In-reactor measurement of fuel-to-sheath heat transfer coefficients between UO_2 and stainless steel. (AECL – 5400) 360839
Campbell, I.A.
Extraordinary Hall effect in rare-earth – cobalt amorphous films. 351728
Resistivity $DyNi_3$ and $HoNi_3$ amorphous alloys. 365133
Campbell, J.E.
Calculations of radiological consequences from sabotage of shipping casks for spent fuel and high-level wastes. (PB – 267377) 360685
Campbell, J.J.
Zirconium metal-water oxidation kinetics. IV. Reaction rate studies. (ORNL/NUREG – 17) 357740
Zirconium metal-water oxidation kinetics. V. Oxidation of Zircaloy in high pressure steam. (ORNL/NUREG – 31) 374217
Campbell, J.L.
Comparison of positron annihilation behaviour with lattice expansion in Ni, Fe and V at low temperatures. 368806
Temperature dependence of positron trapping in silver and nickel. 350718
Campbell, J.R.
Inclusive V^0 production in anti pp interactions at 12 GeV/c. 353939
Campbell, M.F.
Far-infrared emission from compact sources in NGC 2264 and the rosette nebula. 351020
Campbell, P.
Projective geometry for polarization in geometric quantization. (IC – 76-126) 361252
Campbell, P.M.
Fast-ion generation by ion-acoustic turbulence in spherical laser plasmas. 350811
Laser driven compression and neutron generation with spherical shell targets. 371777
Campbell, S.O.
Generalized Sagnac effect with the ring-laser and other optradiches in the PPN gravitational theory. 363755
Campbell, T.
PWR refill studies. 376531
Campbell, W.
Success in shattered atoms – the TRIUMF cyclotron. 360714
Campbell, W.H.
Spectral characteristics of field variations during geomagnetically quiet conditions. 367417
Campen, G.L.
ORMAK upgrade ohmic coil generator protection. (ORNL/TM – 6079) 377369
Program plan for electron cyclotron heating experiments on the ISX tokamak. (ORNL/TM – 6011) 371835
Campisano, S.U.
Channeling and extended defects in crystals. (INIS-mf – 3996) 364013
Campolunghi, F.
Subcooled and bulk boiling correlations for thermal design of steam generators. (CNEN-RT/ING – 77-10) 363097
Campos, M.
Study of 'Traps' in naphthalene monocrystals. 350757
Campos, N.A. de
The hyperfine field at potassium implanted in cobalt. 355971
Camus, H.
Experimental study of the consequences of accidental sodium release in the form of peroxide aerosols on the tomato and the lettuce. 354976
Camus, P.
Recent hyperfine structure investigations in the configurations $4f^{13}6s^2$, $4f^{13}6s6p$, and $4f^{12}5d6s^2$ of TmI. 355861
Study of the atomic spectrum of holmium. I. 353390
Camy, G.
Frequency stabilization of argon lasers at 582.49 THz using saturated absorption in $^{127}I_2$. 353210
Canada, D.C.
In-line monitoring of effluents from high-temperature gas-cooled reactor fuel particle preparation processes by mass spectrometry. 370975
Canada, T.R.
Applications of the absorption-edge densitometry NDA technique to solutions and solids. (LA-UR – 77-1416) 358587
Measurement of special nuclear material concentrations in solution by absorption edge densitometry. (LA-UR – 77-2235) 363733
Cance, M.
Measurements of cross sections of the U^{235} and U^{238} fission by prompt neutrons. (INIS-mf – 3896) 356730
Candes, P.
Safety and protection aspects of the management of high-level radioactive wastes. 371202
Candy, J.V.
Material accounting in a complex chemical processing unit: an

application of estimation/detection. (UCRL – 79607) 374492
Cane, D.E.
Application of deuterium magnetic resonance to biosynthetic studies. 1. Biosynthesis of ovalicin. 365464
Canellos, G.P.
Risk of new cancers in patients with Hodgkins's disease. 373561
Caner, M.
Evaluation of ^{237}Np microscopic neutron data. (IA – 1338) 364616
Canizares, C.R.
Optical candidates for two X-ray bursters and an X-ray pulsar. 359128
SAS-3 observations of an x-ray flare from Cygnus X-1. (CONF-7510169 –) 364292
Cank, H. de
Precautions for preventing criticality at plutonium fuel treatment facilities. 360434
Cann, C.D.
Many-beam electron extinction distances in zirconium. (AECL – 5690) 361431
Cannata, F.
The capture of muons by complex nuclei. 361967
Is a Bell-type inequality for nondicotomic observables a good test of quantum mechanics. 363747
Canning, G.P.
Diagrammatic group theory in quark models. (BONN-HE – 77-10) 366829
Cannon, A.R.
Radio frequency probing of the solar corona. 372132
Cannon, F.D.
Allotransplantation of the lung without immunosuppression after transplantation. II. Combined autotransplantation of bone marrow and allotransplantation of lung. 367484
Cannon, J.B.
Selective analysis of power plant operation on the Hudson River with emphasis on the Bowline Point Generating Station. Volume 1. (ORNL/TM – 5877/V1) 360175, 360176
Cannon, R.D.
A new sculptor-type dwarf elliptical galaxy in Carina. 348986
Cannon, T.M.
Application of protons to computer tomography. (LA-UR – 77-2385) 373567
Class of near-perfect coded apertures. (LA-UR – 77-2369) 374304
Cannon, W.C.
$^{239}PuO_2$ aerosol exposure of miniature swine. (BNWL – 2100(Pt.1)) 360322
Deposition and retention of inhaled $^{239}PuO_2$ aerosols in new born and adult rats. (BNWL – 2100(Pt.1)) 360345
Deposition of inhaled aerosols in beagle dogs. (BNWL – 2100(Pt.1)) 360308
Inhaled plutonium nitrate in dogs. (BNWL – 2100(Pt.1)) 360311
Cano, G.L.
Nuclear power plant fire protection research. 357739
Cano, R.
Electron cyclotron emission from the PLT tokamak plasma. (INIS-mf – 3963) 371724
Electron cyclotron emission from the PLT tokamak. (PPPL – 1362) 356116
Electron cyclotron emission from the Princeton Large Tokamak. 350871
Turbulent temperature fluctuations in the PLT tokamak plasma. (PPPL – 1363) 356082
Turbulent temperature fluctuations in the Princeton Large Tokamak plasma. 366498
Canobbio, E.
Resonant MHD-pumping at arbitrarily low frequency. (INIS-mf – 3963) 353534
Toroidal drift magnetic pumping. (INIS-mf – 3963) 353533
Canter, J.
Search for charmed particles in 14.75 GeV/c pp interactions. 375069
Cantini, P.
Diffraction of molecular beams from a low temperature metal surface. 368743
Molecular beam diffraction of He and H_2: two different ways of probing the (001) face of NiO. 368752
Cantley, D.A.
Core design methods for advanced LMFBRs. (HEDL-SA – 1205) 363500
Development of LMFBR core designs using reference and advanced oxide fuel. 379742
Canto, J.
On the density and energy of supernova remnants. 374886
Canto, L.F.
Effective nucleus-nucleus potentials derived from the generator coordinate method. 361976
Cantoni, V.
The Riemannian structure on the states of quantum-like systems. 366250
Cantore, A.
The slow proton trigger for the CERN OMEGA spectrometer. 368293
Cantrell, C.D.
Absorbing precipitates in cadmium telluride: estimates for catastrophic laser-damage thresholds. 373333
Laser isotope separation. 367866
Cantrell, E.L.
Feedback stabilization experiments using l=2 equilibrium windings in Scyllac. (INIS-mf – 3963) 371739
Observation of propagating m=1 waves in Scyllac. 348895
Cantrell, J.H. Jr.
Ultrasonic pulse-echo determination of burn depth in partial-thickness burns. (ORNL – 5171) 367628
Canuto, V.
The cosmological constant, broken gauge theories and 3 K black-body radiation. 369041
Scale-covariant theory of gravitation and astrophysical applications. 350989, 371351
Cao-Xuan
The semi-analytical JWKB phase shift in elastic scattering. 368712
Cao, S.
Italian experience with pilot reprocessing plants. 367190
Cap, J.
Electromagnetic shaker, especially for work in radioactive environment. (Czechoslovak patent document 155594/B/) 371147
Capano, L.
Method for comparing the relative environmental impact of effluents from nuclear and fossil power plants. 378907
Capdevielle, J.N.
The lateral distribution of electrons in EAS at mountain altitude. 374887
Capdevila, C.
Analysis of uranium concentrates by atomic-absorption spectrometry. (JEN – 391) 367046
Capelletti, R.
Dipolar point-defects in ionic crystals studied by means of ionic thermoconductivity. (INIS-mf – 4127) 363975
Ionic thermoconductivity in CdF_2 doped with trivalent europium. (INIS-mf – 4127) 363974
Light induced ionic polarization in Pb doped alkali halides. (INIS-mf – 4127) 363973
Capelli, R.
Advances on thermochemistry of rare earths alloys. 357252
Binary alloys of rare earths: phase equilibria of cerium – indium and neodymium – indium. 362394
Heats of formation of neodymium-antimony alloys. 354498
Capiluppi, P.
K°sub(L)p interactions in the c.m. energy range 1.54-1.71 GeV. 372508
A study of the Dalitz plot in the decay K°sub(L)$\rightarrow\pi^+\pi^-\pi^0$. 353988
Capilutti, P.
Search for short-lived particles produced by 300 and 400 GeV/c protons in nuclear emulsions. 364564
Capitani, G.P.
Researches with the 600MeV Linac. Chapter 4. (CEA-N – 1959) 354138
Capitelli, M.
Transport properties of partially ionized gases. 358922
Capjack, C.E.
Evolution and thermonuclear yield of a high β plasma column. 350905
A plasma-laser amplifier in the 11-16 μm wavelength range. 348944
Caplan, H.S.
Electroexcitation of the giant resonance of ^{17}O. 356849
Electromagnetic form factors for the 14.39 and 17.50 MeV levels of ^9Be. 351396
Caplan, J.S.
Shrinkage voids in reactor vessel plate materials. 365783
Capo, M.A.
Shielding design features of the floating nuclear plant. 368130
Capon, G.
Electron-positron bremsstrahlung at ADONE. A new limit for the existence of a heavy electron. 361767
Capota, P.
On the excitation and ionization mechanisms in a hollow-cathode discharge in krypton and xenon gases, in the presence or absence of an applied magnetic field. 356118
Capper, D.M.
Pseudo-Goldstone bosons in the Pati-Salam model. 351144, 361776
Capps, D.
New information about the kaon-nucleon-hyperon coupling constants g(anti KNΣ(1197)), g(anti KNΣ(1385)) and g(anti KNΛ(1405)). 356497
Capps, R.W.
Infrared measurements of Nova Monocerotis 1975 (A0620-00). (CONF-7510169 –) 364354
Caprasse, H.
The reaction of $e^+e^- \rightarrow U^+e^-$ in SU(2) x U(1) gauge models. 353775
Caprihan, A.
Computer-aided design of ultrasonic transducers. (INIS-mf – 4127) 364117
Caprini, I.
Parity nonconserving effects in nuclei. 355734
Caprioli, G.
Recognition of objects and position recovery from microdensitometer measurements of large field plates. 372133
Caprotti, M.
Mortality and sterility induced in Piophila casei by x-ray and neutron irradiation. 357668
Caput, C.
Contribution to the study of the dispersive power of coastal breezes. 360188
The forecasting of the dispersal of gaseous reactor wastes. 360364
Caputo, A.J.
Determination of defective particle fraction in high-temperature gas-cooled reactor fuels. 363471
Factors affecting defective fraction of biso-coated HTGR fuel particles during in-block carbonization. (ORNL/TM – 6093)

373316
Capuzzi, F.
Equivalent potentials in the description of scattering processes. 356584
Car, R.
The slow proton trigger for the CERN OMEGA spectrometer. 368293
Cara Romeo, G.
Search for fractionally charged particles produced in proton-proton collisions at the highest ISR energy. 361873
Test of a silica aerogel Cherenchov counter. 361023
Caracchini, R.
Mechanical behavior of a fuel pin for fast reactors: effect of the fuel form and of the approach-to-power on the change of the fuel stack length under irradiation. 379737
Carach, J.
Hygiene problems in building a nuclear power and heat plant near Bratislava. (INIS-mf – 4055) 367743
Caraffini, G.L.
Second-order theory of the electron Drift velocity in a gas in a field. 363964
Caramella-Crespi, V.
Some noble metals and copper content of Italian meteorites as determined by destructive neutron activation analysis. 372855
Carato, M.D.
The slow proton trigger for the CERN OMEGA spectrometer. 368293
Carazza, B.
Information theory and multiplicity distributions at high energies. 356400
On a possible cluster size distribution. 353778
Carbajo, J.J.
Experience with team-teaching at the University of Illinois. 379600
TECAR, a new program for LOCA analysis. 354982
Carbone, Ferdinando
Harmonized technical standards in the nuclear field. 350426
Carbonell, R.G.
Quantum tunnelling and the activated complex theory. 366251
Carbonneau, R.
The prospects for manufacturing industry. 363478
Carbotte, J.P.
Positron annihilation in alloys. 358759
Soft modes and high Tsub(c) in Nb_3Sn. 377680
Carchon, R.
Fine structure in the $^{208}Pb(\gamma,n)$ cross section. 375210
Carder, B.
Pulsed power supplied for large laser systems. (UCRL – 80133) 377370
Carder, B.M.
Fast optical shutters for Nova, a high power fusion laser. (UCRL – 79699) 377358
25 megajoule energy storage and delivery system for the Shiva laser. (UCRL – 79700) 374819
Carder, W.
IDENT – a radioisotope-identification subroutine for use with the gamma-ray spectrum analysis program SAMPO. 375237
Cardin, L.
Computer study of errors in the magnetic structure of the SSC's at GANIL. Determination of tolerances. (ORNL-tr – 4398) 374050
Examination of the phi/sub HF/(N) and r(N) curves for different magnetic defects taken into account in calculating tolerances on the field of GANIL sectors. (ORNL-tr – 4469) 374049
Summary table of magnetic tolerances for the CSS at GANIL. (ORNL-tr – 4393) 374052
Theoretical and numerical study of the acceleration of particles in the separated sector cyclotrons (SSC's) at the large national heavy ion accelerator (GANIL). (ORNL-tr – 4395) 374053
Cardinal, C.
Doubly peaked helium depth profiles in copper and blistering. 362550
Cardini, D.
Short time transient periodicities from Cyg X-1. (CONF-7510169 –) 364272
Cardman, L.S.
Status of MUSL-2: the second microtron using a superconducting linac. 363147
Cardwell, R.G.
Recent developments and accomplishments in safeguards education and standards for the control of nuclear materials. 380115
Cardy, J.L.
Perturbation theory at large order in reggeon field theory. 355735
Carelli, M.D.
Optimized method for orificing LMFBR cores. (CONF-770611 – 6) 352727
Three-dimensional thermal-hydraulic analysis of wire-wrapped rods in liquid-metal fast breeder reactor core assemblies. 363502
Carenza, M.
Particle morphology in the early stages of radiation-induced heterophase polymerization of vinyl chloride. 373075, 373075
Caressa, J.
Experimental study of an air plasma generated by interaction of a CO_2 laser beam with a solid target. 353524
Caretta, A.
On the risk of radionuclide leaching by groundwater and biosphere transport with input data uncertainties described by probability distributions. 370265
Carette, J.-D.
Relative differential cross sections of low energy electron excitation of krypton. 361921
Carey, B.D.
Carbon isotopes in oil and gas exploration. Examples of applications. 376019
Carey, R.
Attenuation and dispersion of first sound near the superfluid transition of pressurized ^4He. 364441
Carey, W.M.
Acoustic analysis of sodium boiling stability tests using THORS bundle 6A. (ANL-CT – 77-27) 360482
Acoustic analysis of TREAT LMFBR safety test R8. 352199
Acoustic measurements of the boiling stability tests on THORS sodium loop. (CONF-771023 – 22) 379806
Analysis on sodium boiling experiment in FFM bundle 3B, test 4. 352293
Assessment of the performance of a conceptual acoustic surveillance system for anomalous events in LMFBRs. (CONF-771023 – 13) 374242
Carignan, G.R.
Observations of neutral composition and related ionospheric variations during a magnetic storm in February 1974. 360193
Carithers, W.C.
D meson production and decay in e^+e^- annihilation at 4.03 and 4.41 GeV c.m. energy. 353989
Carl, C.
Computer assisted multielement analysis of terrestrial and extraterrestrial materials and studies on long-lived cosmogenic ^{53}Mn by neutron activation. 378095
Carl, D.A.
Experimental two-phase liquid – metal magnetohydrodynamic generator program. Annual report, August 1975 – September 1976. (ANL/MHD – 77-3) 377673
Carle, M.
System planning at Electricite de France. 352523
Carleton, F.B.
Exchange with deuterium and isomerization of alkenes catalysed by gallium oxide. 367074
Carleton, J.T.
Neutronic reactor. (US patent document 4,004,973/A/) 352673
Carli, E.V. de
Process and equipment for pressure build-up in nuclear reactor fuel rods. (German (F.R.) patent document 2162697/C/) 355330
Carlisle, C.S.
Fast flux test facility startup plan. (HEDL-SA – 1216(Rev.)) 379833
FFTF startup plan. 358312
Carlitz, R.D.
Massless excitations in pseudoparticle fields. 358639
Propagators in pseudoparticle fields. 353047, 361772
Carlone, C.
Raman spectrum of crystalline InSe. 364044
Carlos, M.T.
Thermal dilatation in pure and impure ionic crystals. 350719
Carlqvist, P.
Interstellar clouds and the formation of stars. (TRITA-EPP – 77-20) 374871
Carlson, B.V.
Regge parametrization of angular distributions for heavy-ion transfer reactions. 372592
Carlson, C.E.
UPSILON (9.5) as bound states of new heavy quarks. 366830
Carlson, D.D.
General application of system event tree analysis to light water reactors. (SAND – 77-1372C) 362852
Value/impact comparison of alternate containment designs. (SAND – 77-1103C) 367740
Carlson, D.E.
Optical and photoconductive properties of discharge-produced amorphous silicon. 373328
Use of nuclear reactions and SIMS for quantitative depth profiling of hydrogen in amorphous silicon. 359547
Carlson, G.
A conceptual fusion reactor based on the high-plasma-density Z-pinch. 348921
Carlson, G.A.
Acoustic diagnostic techniques for post-accident heat removal experiments. (CONF-761001 – P4) 363023
First in-core molten fuel pool experiment. (SAND – 77-1096C) 370603
Material compatibility studies for PAHR incore molten pool experiments. 352200
Parameters of a field-reversed mirror reactor. (INIS-mf – 3963) 353543, 356105
Sandia in-core molten fuel pool experiment results. (SAND – 77-1413C) 367791
Carlson, G.W.
Measurement of the fission cross section of ^{241}Pu from 8 eV to 70 keV. 351340
Measurements of the neutron-induced fission cross sections of ^{234}U, ^{236}U, and ^{238}U relative to ^{235}U from 0.1 to 30 MeV. 356702
Carlson, J.B.
Coexistence of three nuclear shapes in ^{151}Eu. 359527
Carlson, J.D.
High intrinsic efficiency, time-compensated scintillation detector. 368280
Isospin dependence of experimental nuclear deformations. 351329
Carlson, O.N.
Diffusion and electrotransport of metallic solutes in thorium metal. (IS-M – 103) 362384
Effect of oxygen on the strength and ductility of polycrystalline vanadium in the range of 4.2 to 400 K. 367237

Carlson, R.F.
Measurements of the proton total reaction cross section for ^{24}Mg, $^{64\ 66\ 68}Zn$ and ^{140}Ce between 17.5 and 48 MeV. 356735
Carlson, R.G.
Boron/aluminum fan blades for scar engines. Final report. (N – 77-26135) 378792
Carlson, R.L.
Advanced accounting techniques in automated fuel fabrication facilities. (HEDL-SA – 1232) 363723
Carlson, R.W.
Feasibility of transporting nuclear fuel by air. 379474
Carlson, T.A.
Study of KLL Auger processes for light elements above Z = 10. (CONF-770579 – 1) 355867
Carlson, W.R.
Augmented startup and cycle 1 physics program supplement 2. (WCAP – 8576(Suppl.2)) 363464
Carlsson, C.A.
Critical remarks on radiation dosimetry in archaeology. (INIS-mf – 4037) 358352
Proton dosimetry with 185 MeV protons. 365632
Carlsson, G.A.
Proton dosimetry with 185 MeV protons. 365632
Carlsson, L.E.
Particle-induced X-ray emission: a useful analytical method. 369550
Carlsson, O.
The Ranstad project and other Swedish projects and possibilities. 357450
Uranium production from low-grade Swedish shale. 365259
Carlsson, R.
Mechanisms in anti pp annihilation. 369390
Study of the reaction anti pp → anti pωp at 9.1 GeV/c. 372537
Carlsson, S.
A model for the movement and loss of ^{137}Cs in a small watershed. 370276
Carlton, D.
Theoretical study of aircraft impact on reactor containment structures. 373792
Carlton, M.L.
A simple radioassay for angiotensin-converting enzyme. 360399
Carmeli, M.
Classification of Yang-Mills fields. 358641
Carmichael, C.F.
Determination of required delay time following reactor shutdown prior to actuation of LOFT ECCS Bypass. (LTR – 113-38) 379834
Carmo, L.C.S. do
Electron-spin resonance studies of phase transitions in KCN. (PUC-TN – 14/76) 350787
ESR identification of F centers in KCN. (PUC-TN – 13/75) 353412
Carmony, D.D.
High-mass K* production in K⁺d interactions at 9 GeV/c. 372509
A neutrino induced dilepton event in the ANL 12 foot bubble chamber. 353948
Carmoy, G. de
The USA faces the energy challenge. 376781
Carmoy, Guy de
The compared energy policies of France, England and Germany. II. Electricity and nuclear energy. 355658
Carnahan, B.L.
Dissociative excitation of H_2, HD, and D_2 by electron impact. 358719
Investigation of the metastable species resulting from dissociative excitation of several hydrogen bearing molecules. 363876
Carnall, W.T.
Fluorescence and excitation spectra of Bk^{3+}, Cf^{3+}, and Es^{3+} ions in single crystals of $LaCl_3$. (CONF-771039 – 6) 377037
Carne, A.
LEP injection. 363154
Carnegie, R.K.
A simple description of the Jsup(P) = $1^+K^+\pi^+\pi^-$ system in the reactions $K^-p \rightarrow K^+\pi^+\pi^-p$. 353779
Study of Kπ scattering using the reactions $K^+p \rightarrow K^+\pi^+n$ at 13 GeV. (SLAC-PUB – 1886) 377799
Carneiro, K.
Critical behaviour of the magnetization in TbSb and $Tb_{0.6}Y_{0.4}Sb$. 378601
Carnera, A.
Feeding-in and blocking phenomena explained in terms of a simple diffusion model. 363950
Carnes, J.M.
Nuclear plant modeling. 358117
Carnesale, A.
Nuclear fuel cycle and nuclear proliferation. 374501
Carnesecchi, G.
Study of neutrino proton elastic scattering in the 'Gargamelle' freon experiment. 377821
Study of quasi-elastic reactions of ν and antineutrino in Gargamelle. 369268
Carney, G.D.
Ab initio prediction of the vibration spectra of the deuterated species of H_3^+. 353211
Carney, H.C.
Low-enrichment and denatured (thorium) fuels for the HTGR: a status report. (GA-A – 14606) 363468
Nuclear battery shock-support system. (US patent document 4,026,726/A/) 352354
Carnino, A.
State of the art and perspectives for French reliability studies in the nuclear field. 370536
Caro, P.
High resolution lattice imaging of rare earth sesquioxides. 357255
Spectroscopic study of zirconia-yytria-neodymia (gadolinium oxide) solid solutions. 357347
Caro, R.
The resonance absorption controlled reactor. (JEN – 378) 367996
Caro, R.A.
Correlation between the estimated molecular weight and the immunological properties of ^{125}I-TSH. 373760
Immediate action of L-2,3,5,6-tetrahydrophenylimido (2,1b) azothiazol (levamisole) on the phagocytosis of inert radiocolloidal particles. 373585
Carolan, P.G.
The incoherent scattering of light by a moderately hot magnetized plasma. (Juel – 1424) 356095
Measurement of magnetic fields in a tokamak using laser light scattering. 374818
Caropreso, F.E.
Production of uranium peroxide. (US patent document 4,024,215/A/) 349374
Carpay, F.M.A.
Correlation of textural and microstructural changes in deformed molybdenum single crystals. 357256
Carpelan, C.
Archaeological views of the potential use of the TL method in Finland and a report on an attempt to dating. (INIS-mf – 4037) 356934
Carpenter, B.S.
A study of lithium uptake and location in the brain using the nuclear track technique. 372845
Uranium analysis of natural waters by fission tracks. 378098
Carpenter, D.
Sample positioning effects in x-ray spectrometry. (RFP – 2683) 352809
Carpenter, D.A.
New yttria plasters. (Y – 2104) 378769
Carpenter, J.A. Jr.
HTGR fuel development: investigations of breakages of uranium-loaded weak acid resin microspheres. (ORNL/TM – 6067) 365018
In-line monitoring of effluents from high-temperature gas-cooled reactor fuel particle preparation processes by mass spectrometry. 370975
Carpenter, J.M.
Design study of a time of flight small-angle diffractometer for a pulsed neutron source. (CONF-771077 – 4) 379869
Multiple scattering correction to neutron diffraction data of isotropic systems using optimized Monte Carlo techniques. 356018
An optimized Monte Carlo simulation for diffraction experiments using pulsed neutron sources. 356019
Pulsed spallation neutron sources for slow neutron scattering. 355174
Carpenter, J.S.
Moessbauer effect of rapidly diffusing Fe in Y. 371575
Carpenter, J.S. II
Use of the Moessbauer effect as a means of studying the diffusive behavior of the ^{57}Fe in yttrium and ^{57}Fe in cerium alloy systems. 362385
Carpenter, R.
Chemical and geochemical studies off the coast of Washington. Report of progress, September 1976 – August 1977. (RLO/2225/T24 – 20) 373793
Carpenter, R.E.
Response of EMT-6 tumors to single fractions of x rays and cyclotron neutrons. 365357
Carpenter, R.L.
Fly ash solubility studies. (LF – 56) 365553
Microprocessor: controlled inhalation exposure system. (LF – 56) 365713
Microscopic characterization of fly ash. (LF – 56) 365536
Quality engineering and control semiannual progress report November and December 1976 and January – April 1977. (RFP – 2644) 362115
Retention and distribution of inhaled, neutron-activated fly ash in the syrian hamster. (LF – 56) 364853
Sulfuric acid aerosol generation system for chronic inhalation toxicity studies. (LF – 56) 364855
Carpenter, R.W.
In-situ radiation response of nickel – molybdenum alloys in an HVEM. (CONF-770855 – 1) 362529
Carpentier, N.A.
Solid-phase enzyme immunoassay or radioimmunoassay for the detection of immune complexes based on their recognition by conglutinin: conglutinin-binding test. 354921
Carr, B.J.
Black hole and galaxy formation in a cold early Universe. 356197
Primordial black hole formation in an anisotropic universe. 372120
A tepid model for the early universe. 374888
Carr, R.H.
Cost analysis of lasers for a laser isotope separation system. Final report. (UCRL – 13744-2) 365650
Carr, R.J.M.
Derivation of energy lower bound models for translation-invariant many-fermion systems. 374550
Carr, S.L.
Liquid metal current collectors for high-speed rotating machinery. (CONF-760503 – P2) 352377
Carr, T.F.
Immunological detection of residual leukaemic disease in the bone marrow of children with acute lymphoblastic leukaemia. 379102

Carr, T.W.
Direct measurement of the radiative lifetime and collisional quenching of the C³Π/sub u/ state of nitrogen as studied by pulsed radiolysis. 378506
Carr, W.J. Jr.
Loss behavior in twisted filamentary superconductors. 360001
Carrano, A.V.
Flow cytogenetics: progress toward chromosomal aberration detection. (UCRL – 79664) 360220
Carraz, L.C.
The essential decay of pandemonium: a demonstration of errors in complex beta-decay schemes. 361985
Fast release of nuclear reaction products from refractory matrices. 378231
Carreras, J.L.
Clinical assessment of angioscintigraphy and brain sequential scintigraphy with sup(99m)Tc-DTPA. (INIS-mf – 4010) 357674
Carrie, Claude
Process and device of leak testing of works, especially concrete works. 355220
Carrier, W.L.
Pyrimidine dimer excision in human cells and skin cancer. (CONF-770365 – 1) 362634
Carrigan, R.
Experimental Hall design considerations. (ANL-HEP-CP – 77-50) 365736
pp collider construction scenario. (ANL-HEP-CP – 77-52) 365737
Carrigan, R.A. Jr.
Magnetic monopole bibliography. (FERMILAB – 77/42) 372377
Carril, J.M.
Clinical evaluation of radioisotope axial tomography of the brain. (INIS-mf – 4010) 357678
Carroll, A.
A comment on a paper of Hamer applying Pade approximants to A1 + 1 dimensional lattice model of QCD. 363756
Carroll, A.M.
Renormalization-group analysis of small-angle scattering at high energy. 366252
Carroll, A.R.
Block to influenza virus replication in cells preirradiated with ultraviolet light. 373484
Carroll, K.G.
Nuclear reactor fuel element with vanadium getter on cladding. (US patent document 4,032,400/A/) 374173
Carroll, M.M.
Decay of reverberant sound in a spherical enclosure. 371352
Carroll, P.J.
Crystal structure of $YSiO_2N$ and a reappraisal of the "vaterite" type, YBO_3. 360022
Carroll, P.K.
Absorption from excited states of Be^+ formed in a laser produced plasma. 366347
Carron, G.
Experiments with stochastic cooling in the ISR. 363181
50 MHz transverse feedback system in the CERN ISR. 363182
Carruthers, L.M.
LOFC fission product release and circulating activity calculations for gas-cooled reactors. (LA-UR – 77-1569) 352665
Carruthers, P.
Diffraction scattering in quantum chronodynamics. 364553
Carruthers, R.
Fusion power in the E.E.C. – some considerations concerning the future programme. (INIS-mf – 3998) 356096
Carry, C.
Apparent and effective creep parameters in single crystals of a nickel base superalloy. I. Incubation period. 362386
Carsky, P.
Ab initio studies of chemical equilibria. III. 357035
Carson, D.W.
A novel method of Moessbauer data calibration using a laser interferometer. 355514
Carson, P.J.
Determination of potential parameters for the systems Ne-Ar and Ar-Kr from the temperature dependence of their binary diffusion coefficients. 376963
Carson, T.R.
Some properties of very low temperature, pure helium surface layers of degenerate dwarfs. 372128
Carstanjen, H.-D.
Determination of the probability distribution of deuterium in metals by channeling. (INIS-mf – 3996) 363976
Carstens, B.
Improvement of the diagnostic value of radionuclidic angiocardiography in babies by using rapid sequential scintigraphy and a new image display system ('Digiphot'). (INIS-mf – 4010) 362824
Volume curves of the left ventricle at rest and during excercise, determined with nuclear medicine methods. (INIS-mf – 4010) 362825
Carstoiu, F.
Hard (soft) core nucleon-nucleon potentials involved in the isobaric analogue resonances widths. 377711
Proton scattering on ^{238}U and the probable isobaric analogue resonances. 356579
Carswell, R.F.
Confirmation of the highest redshift QSO candidates from the Tololo deep survey. 356319
Q 0002 – 422: a QSO with zsub(abs) << zsub(em). 359186
Cartacci, A.
Search for short-lived particles produced by 300 and 400 GeV/c protons in nuclear emulsions. 364564
Cartacci, A.M.
Analysis of the $\omega\pi^-$ system produced in the reaction $\pi^-p \rightarrow \pi^-\pi^-\pi^+\pi^0p$ at 11.2 GeV/c. 353965
Study of $A_2^- \rightarrow eta\pi sup(-)$ in the reaction $\pi sup(-)p \rightarrow \pi sup(-)\pi sup(-)\pi sup(+)\pi degp$ at 11.2 GeV/c. 369279
Carter, A.A.
Differential cross-section zeros in proton-antiproton elastic scattering. 377793
Measurement of the polarization parameter for antiproton-proton annihilation into charged pion and kaon pairs between 1.0 and 2.2 GeV/c. 353949
Carter, A.C.
The use of colour transparency film for estimation of thermoluminescence spectra. 350296
Carter, A.L.
Further muonic-atom test of vacuum polarization. 350625
Carter, B.
The vacuum black hole uniqueness theorem and its conceivable generalisations. 355736
Carter, B.L.
Use of body scanner in radiotherapy treatment planning. 357599
Carter, D.E.
Improved instrumentation and techniques for non-invasive detection, characterization and quantification of atherosclerosis for research and diagnostic purposes. Annual report, 23 Jun 1975 – 22 Mar 1976. (PB – 268227) 365472
Carter, D.R.
Comparison of the physical properties of radiation and sulfur-cured poly(butadiene-co-styrene). 378503
Carter, F.L.
Valence bonding in $CrUS_3$ and related compounds showing delocalized unpaired electrons. 357390
Carter, G.
Cascade and quasi thermal processes in excited atom sputtering. 374689
Carter, J.A.
In-line monitoring of effluents from high-temperature gas-cooled reactor fuel particle preparation processes by mass spectrometry. 370975
Carter, J.G.
Fragmentation of aliphatic chlorocarbons under low-energy (< or approx. =10 eV) electron impact. 350634
Carter, J.L.
ACORN: a computer program for plotting fault trees. (BNWL – 2144) 380003
Vapor pressure equation-of-state in core disassmbly calculations. 352201
Carter, J.R.
High multiplicity π^-d interactions at 21 GeV/c. 356503
Tests of factorization from single- and double-pion production in 100-GeV/c p-antip and pp collisions. 351230
Carter, L.
Insulin radioreceptor assay for human erythrocytes. 362771
Carter, L.A.
Guide to good practices at plutonium facilities. (BNWL – 2086) 362604
Radiological design criteria. 355024
Carter, S.R.
Genetic implications of the isotope and trace element variations in the eastern Sicilian volcanics. 362567
Carteret, Y.
Characteristics and behaviour of the fuel in the Phenix reactor. 368201
Cartier, R.
Current developments in continuous vitrification of fission product solutions. 358487
Cartmill, C.E.
Analysis of standard problem six (Semiscale test S-02-6) data. (TREE-NUREG – 1056) 352202
Cartwright, B.G.
Return to unsaturated response of polymeric scintillators excited by relativistic heavy ions. 368265
Cartwright, D.C.
Application of high power lasers to problems in the nuclear fuel cycle. 378218
Cross sections for electron impact excitation of the electronic states of N_2. 353212, 376985
Elctron impact excitation of the electronic states of N_2. I. Differential cross sections at incident energies from 10 to 50 eV. 358720
Electron impact excitation cross sections for Kr at 15, 30, 50 and 100eV. 358835
Electron impact excitation of the electronic states of N_2. II. Integral cross sections at incident energies from 10 to 50 eV. 358721, 358728
Inelastic differential cross sections for electron-impact excitation of argon. 358727
Cartwright, P.
Experience in the transfer of nuclear power. 352630
Caruana, J.
Calculation of the fission cross section for ^{233}U and the interpretation of fragment anisotropy and fine structure in anti vsub(p) and anti Esub(k). (INIS-mf – 3896) 356571
Carugati, V.
Nuclear imaging system. 358353
Carvalho Filho, C.A.A. de
A Callan-Symanzik study of the lambda phi_3^4 + g phi_3^6 theory. (PUC-TN – 19/76) 350488

Carvalho, H.G. de
(γ,n) reactions in complex nuclei at intermediate energies. 354177
Analysis of intermediate-energy (γ,n) reactions in complex nuclei. (CBPF – A0026/77) 364671
Cross sections of (γ, xn) reactions in complex nuclei at intermediate energies. 356744
Experimental evidences of spontaneous and low-energy induced emission of heavy ions from even-even heavy nuclei. (CBPF – A0025/77) 364755
Photodisintegration of light and medium-weight nuclei at intermediate energies. 4. (CBPF – A0027/77) 364678, 375168
Carvalho, J.C.
Faraday rotation and the turbulent structure of the Galaxy. 369042
Carvalho, L.C.A. de
Study of the stability of triglycine selenate under Co 60 ionizing radiation. 351642
Carvalho, M.J.
Highly excited states decay in p-terphenyl crystals. Magnetic field effect investigation. (CRN-CNPA – 77-13) 368660
Carvalho, N.
Critical assessment of radioisotopic methods used in the evaluation of pherispheral blood flow. 365468
Labelling of human fibrinogen with radioactive iodine (^{125}I). 351620
Carvalho, R.A.
Response of a quasi-isolated spin system to a variable field. 350763
Spin-lattice relaxation of F centers in KBr between 6K and 15K. 350783
Spin-lattice relaxation times of F centers in cesium halogen compounds. 350720
Carver, R.D.
Preparation of plutonium-242 for use as an alpha spectrometry and mass spectrometry tracer. 359622
Cary, C.N.
Downcomer effects in a 1/15-scale PWR geometry-experimental data report. (PB – 268244) 362894
Cary, J.R.
Ponderomotive force and linear susceptibility in Vlasov plasma. 350812
Time dependent canonical transformations and the symmetry-equals-invariant theorem. 366253
Casadei, A.L.
Improved water density feedback model for pressurized water reactors. 360910, 362883
Casal, V.
Heater rods for simulation of fuel pins in liquid-metal-boiling experiments. Pt. 2. (KFK – 2474) 370707
Reactor safety, instrumentation and environmental effects. (KFK – 1277/2) 370622
Casalbuoni, R.
Algebraic approach to the quark problem. 361777
Casali, P.
Solid-phase enzyme immunoassay or radioimmunoassay for the detection of immune complexes based on their recognition by conglutinin: conglutinin-binding test. 354921
Casali, R.
Inclusive V^0 production in anti pp interactions at 12 GeV/c. 353939
Observation of interference correlations between like pions in the reaction proton antiproton→2πsup(+) 2πsup(-)πdeg at low energy. 356382
A thermodynamical analysis of the charged-pion momentum spectra from the annihilation proton-antiproton→ πsup(+-)Ksub(s)sup(deg)Xsup(+-) at low energy. 353755
Casalini, P.
Chromospheric rotation during 1972-73, years of declining activity. 353663
Casati, G.
Velocity space selection properties of magnetic divertor configurations. (INIS-mf – 3963) 371778
Case, A.C.
Dose-effect studies with inhaled plutonium oxide in beagles. (BNWL – 2100(Pt.1)) 360329
Case, C.M.
Constitutive relations for flow of water in the unsaturated zone. (NVO – 1253-11) 351922
Casebow, M.P.
Radiation dose to the eyes. 367823
Casella, V.
Radiopharmaceuticals. XXVII. ^{18}F-labeled 2-deoxy-2-fluoro-D-glucose as a radiopharmaceutical for measuring regional myocardial glucose metabolism in vivo: tissue distribution and imaging studies in animals. 373600
Casellato, U.
Preparation and properties of mononuclear and binuclear uranyl(VI), thorium(IV) and transition d ions complexes with multidentate Schiff bases. 359763
Casey, D.D.
Two-step annealing of arsenic-implanted <111> silicon. 367334
Casey, J.
Synthesis of 5-demethoxyubiquinone-6 and ubiquinone-6 from 3-hexaprenyl-4-hydroxybenzoate in yeast mitochondria. 370393
Cash, D.L.
Radioactive waste package development at the Rocky Flats Plant. 350025
Waste management analysis for the nuclear fuel cycle: parts I and II. Progress report for period ending March 31, 1977. (RFP – 2667) 366085
Cash, R.J.
Method of detecting leakage of reactor core components of liquid metal cooled fast reactors. (US patent document 4,033,813/A/) 374250
Problem considerations in the U.S. radioactivity control technology programme. (IWGFR – 7) 360975
Cashmore, R.J.
A simple description of the Jsup(P)=$1^+K^-\pi^+\pi^-$ system in the reactions $K^-p\rightarrow K^-\pi^+\pi^-p$. 353779
Cashwell, E.D.
Evaluation of three Monte Carlo estimation schemes for flux at a point. (LA – 6865-MS) 364608
Cashwell, R.J.
University of Wisconsin Nuclear Reactor Laboratory, Madison, Wisconsin. Annual report, fiscal year 1976 – 1977. (COO – 1560-11) 368245
Casini
Super-Phenix: status of the Creys-Malville plant. 379738
Caskey, A.L.
6-methoxy-2-benzoxazolinone synthesis in 1,3-butanediol. 349331
Caskey, G.R. Jr.
Fractography of hydrogen-embrittled stainless steel. (DP-MS – 76-65) 357185
Role of twinning and transformation in hydrogen embrittlement of austenitic stainless steels. (DP-MS – 77-46) 359821
Caso, C.
Analysis of the $\omega\pi^-$ system produced in the reaction $\pi^-p\rightarrow\pi^-\pi^-\pi^+\pi^0p$ at 11.2 GeV/c. 353965
Cross-sections and multiplicity distributions for π sup(-)p interactions at 11.2 GeV/c. 369278
Inclusive V^0 production in anti pp interactions at 12 GeV/c. 353939
Casper, T.A.
Plasma effects on the absorption spectrum for the ordinary mode in a magnetized plasma. (INIS-mf – 3963) 371779
Caspers, L.M.
Clustering of helium atoms at A1/2 <111>110 edge dislocation in α-iron. 351731
Caspersson, S.A.
Breeding performance optimization of helium-bonded carbide fuel in 1500-MW(e) LMFBRs. 352764
Optimization system design studies of advanced carbide fuel. 379739
Caspi, S.
Studies of supercritical helium-4 at low temperatures during heat flow including disordered boundary domain investigations. Progress report for 1976. (PB – 266872) 356357
Cassagnou, Y.
π⁻-nucleus interactions for stopped and 45 MeV pions with $^{58\ 60\ 62}$Ni. 359467
Study of pion-nucleus and proton-nucleus interactions through γ spectrometry and gamma-charged particles coincidence measurement. (LYCEN – 7702(pt.1)) 369472
Cassano, G.
Disposal of long-lived radioactive wastes in Italy. 358516
Casseborn, S.
Detection of atherosclerotic plaques in carotid arteries by the use of ^{123}I-fibrinogen. 370404
Cassiday, G.L.
Measurement of light emission from remote cosmic-ray air showers. 365315
Cassidy, J.P.
Stress tensors and their trace anomalies in conformally flat space-time. 371346
Cassini, R.
Mutagenesis-based research aimed at obtaining resistance to Helminthosporium maydis, straint T, in maize with Texas male sterile cytoplasm. 373706
Cassou, R.
Radon and daughter measurements with active and passive devices using track etch detectors. (HASL – 325) 378911
Cassulo, J.C.
Heat removal from molten fuel pools. (CONF-761001 – P4) 362856
Studies of the formation and cooling of particulate fuel debris beds in sodium. (CONF-761001 – P4) 363016
Cassuto, A.
The adsorption of carbon monoxide on rhenium: basal (0001) and stepped [14(0001) x (10$\bar{1}$1)] planes. 362414
Ethylene and acetylene adsorption on rhenium polycrystalline and Re(0001) surfaces. 378613
Castagno, J.G.
Contrast reduction factor for object contrast assessment in neutron radiography. 379523
Castaing, R.
Contribution of field effects to the achievement of higher brightness ion sources. 379379
Castanon, D.R.
Improved nuclear gage development – phase i and ii. Interim report. (PB – 267106) 367885
Casteels, F.
Post-corrosion analyses of a sodium – sodium heat exchanger after 60,000 hours sodium exposure. (CONF-760503 – P2) 352728
Castejon, I.
The diagnosis of myocardial infarction and ischaemia using sup(99m)Tc and ^{201}Tl. (INIS-mf – 4010) 362805
Castejon, L.
Comparative CAT and radionuclide studies in brain exploration. (INIS-mf – 4010) 362804
Castell, L.
Photon condensation in an Einstein universe. 355725

Castellano, M.
An upper limit for the radiative decay width of the J/psi resonance into eta'(958)+γ. 369353
Castellano, R.N.
The metal-dielectric transition pressure in reactive sputtering. 368753
Castelli, G.F.
Plutonium utilization in fast-breeder and light-water reactors in Italy. 368216
Castelnau, L.
Long term evolution of the immune response in the rat irradiated at mean and high doses. 354782
Casterline, J.
Scaled thermal hydraulic simulation of open lattice PWR cores: a scoping study. Final report, Task B. (EPRI-NP – 296) 374223
Casterline, J.E.
Effect of rod bowing on CHF in PWR fuel assemblies. 370927
Castiaux, M.A.
Role of high resolution Ge(Li) detector in trace element study in water activated with thermal neutrons. 367026
Castiglioni, M.
Beam extraction studies for the proposed superconducting cyclotron at the University of Milan. 363128
Magnetic field calculations for the proposed superconducting cyclotron at the University of Milan. 363125
Model magnet for the proposed superconducting cyclotron at the University of Milan. 363126
Castilho Alcaras, J.A.
First approximation of the K-harmonics method. 369414
Castillo, F.J.
Evaluation of sialograms obtained in the functional and morphological study of salivary glands. (INIS-mf – 4010) 367558
Castle, J.N.
Heat transfer from a pool of molten UO_2 to a concrete slab. 352203
Role of wall heat transfer and other system variables on fuel compaction and recriticality. (CONF-761001 – P3) 365539
Casto, W.R.
Selected safety-related occurrences reported in May and June 1977. 362884
Castoldi, P.
Strong coupling limit of the gphi⁴ theory. 353055
Castor, S.B.
Preliminary study of uranium favorability of the Boulder batholith, Montana. (GJBX – 5(78)) 378830
Castorina, P.
On quark confinement hadrons as "strong black holes". 353891
Castro Faria, N.V. de
L-subshell ionization of heavy atoms by proton impact. 377101
Relative radiative decay rates of vacancies in L-subshells of heavy elements. (PUC-TN – 2/77) 350567
Castro-Vita, H.
Radiation-induced liver damage. 379027
Castro, J.C.
Localized vibration of H^- ions disturbed by divalent ions in KCl. 350721
Castro, J.J.
Electron-hydrogen atom collisions in the presence of a strong laser field. (PUC-TN – 6/77) 350580
Theory of electron-hydrogen atom collisions in the presence of a laser field. (PUC-TN – 17/77) 364618
Upper bound for the induced pseudoscalar form factor in muon capture. 351273
Castronovo, F.P.
Pharmacokinetics of /sup 99m/Tc diphosphonate. 352088
Castronovo, F.P. Jr.
Improved method for quantitative bone scanning. 373668
Caswell, J.L.
G127.1 + 0.5 – a remarkable supernova remnant centred on a very compact radio source. 359062
Interferometer measurements of HI absorption in the direction of 16 extragalactic radio sources. 374952
New OH masers in the direction of H_2O masers. 356198
Catane, R.
Indium chloride bone-marrow scanning in advanced prostatic carcinoma. 357635
Catchpole, R.M.
Spectroscopic radial velocity and photometric observations of barium stars. 356199
Catchpole, S.
UK experience of planning the nuclear contribution to the UK power programme. 366125
Cate, C.L.
Computer aided approach to qualitative and quantitative common cause failure analysis for complex systems. (CONF-770438 – 3) 352393
Catelin, D.
Stainless steel thick plates for light-water reactors. 355404
Cates, M.
Evidence for a rotational band in ^{24}Mg and its fragmentation: A rotation-vibration coupling. 372730
Cathcart, J.V.
Zirconium metal-water oxidation kinetics. IV. Reaction rate studies. (ORNL/NUREG – 17) 357740
Zirconium metal-water oxidation kinetics. V. Oxidation of Zircaloy in high pressure steam. (ORNL/NUREG – 31) 374217
Cathers, G.I.
Laboratory and pilot-plant studies on the conversion of uranyl nitrate hexahydrate to UF_6 by fluidized-bed processes. (ORNL/TM – 5913) 359862
Cathey, W.N.
Moessbauer effect of rapidly diffusing Fe in Y. 371575
Caticha-Ellis, S.
Study of thin, epitaxial films by means of x-ray diffraction. 350754
X-ray diffraction profiles from neutron-irradiated LiF single crystals. 354621
Catillon, P.
Physics at ALS today and to-morrow: facilities and experimental programs. (LYCEN – 7702(pt.1)) 359468
Catlin, D.H.
Inability of naloxone to change brain morphine levels in tolerant mice. 362809
Catlin, R.
Regional nuclear fuel centers: IAEA study project. 359855
Catlin, R.J.
Regional nuclear fuel cycle centres. 366141
Regional nuclear fuel cycle centres. IAEA study project. 368450
Catlin, W.R.
Determination of elastic coefficients for Zircaloy-2. 362387
Catoggio, J.A.
Study of the extraction behaviour of the niobium(V)-3-methylcatechol-quaternary ammonium system. 359662
Caton, R.
Effect of neutron irradiation on single crystal V_3Si. (BNL – 23015) 351912
Catron, H.C.
Filtered detector arrays for single pulsed photon measurements above 100 keV. (UCRL – 80314) 377555
High energy electron spectra from 1.06 μm laser produced plasmas. (UCRL – 80322(Summ.)) 377556
Cattanei, G.
On sawtooth oscillations and MHD modes in the W VII A stellarator. (INIS-mf – 3963) 371780
Cattani, M.
Comparison between radiometric and fission track ages of micas. 365254
A relativistic model for the solid core of a neutron star. 359063
Stark broadening of the lines 4121 A and 4437 A of helium in a plasma: quantum-mechanical calculations for the electron impact effects. 355855
Cattell, F.C.R.
Multiple simultaneous event model for radiation carcinogenesis. 360288
Catterall, R.
Correlation of optical and electron spin resonance spectra for metal-electron species in alkali metal solutions. 362281
Solvated electrons and the effect of coordination on the optical spectra of alkali metal cation-electron pairs in ethers. 362280
Catto, P.J.
Collisional effects on trapped electron instabilities. 372065
Improved eigenvalue equations for the collisionless drift instability in tokamaks. (CONF-771136 – 4) 371781
Trapped electron instability in tokamaks: analytic solutions of the two-dimensional eigenvalue problem. (ORNL/TM – 5970) 372066
Catton, I.
Dryout heat fluxes for inductively heated particulate beds. 362900
An experimental study of the molten glass/water thermal interaction. Topical report. (PB – 267579) 357727
Heat transfer from a pool of molten UO_2 to a concrete slab. 352203
Mechanistic study of fuel freezing, channel plugging, and continued coolability during fast reactor overpower excursions. (NUREG – 0310) 352310
Natural convection in horizontal fluid layers. (PB – 267376) 357822
Natural-convective cooling of a bed of fuel debris. 352287
Prediction of dryout heat fluxes in beds of volumetrically heated particles. (CONF-761001 – P4) 362901
Role of wall heat transfer and other system variables on fuel compaction and recriticality. (CONF-761001 – P3) 365539
Study of dryout heat fluxes in beds of inductively heated particles. Technical report. (PB – 267378) 357756, 360435
Suppression pool dynamics. Quarterly progress report 1 Jul 1976 – 30 Sep 1976. (PB – 267584) 357741
Suppression pool dynamics. Quarterly progress report 1 Oct 1976 – 31 Dec 1976. (PB – 267585) 357742
Transient thermal-hydraulic analysis for reactor cores. 355324
Catty, D.
Effects of X irradiation on homocytotropic and agglutinating antibody production in mice. 357579
Catura, R.C.
Bent crystal spectrometer for solar x-ray spectroscopy. 352823
Intense soft x-ray flux from Her-1. (CONF-7510169 –) 364293
Cauchetier, P.
The effect of americium-241 on the determination of plutonium by the silver(II)oxide method. 369573
Caudano, R.
Merged electron-ion beam experiments. 366315
Caudle, G.
Direct observation of multiphoton processes in laser-induced free-free transitions. 350692
Caurier, E.
Proton scattering at intermediate energies: excitation of collective states and dispersive effects. (LYCEN – 7702(pt.1)) 369457
Splitting of the giant quadrupole resonance in light deformed nuclei. 366919
Causey, A.R.
In-reactor oxidation of crevices and cracks in cold-worked Zr-2.5 wt.%Nb. 373339
Cautis, C.V.
Diffractive and nondiffractive A_1, A_3, and A_4 production in π^+p

interactions at 15 GeV/c. 359332
Cauvin, B.
Evidence for a short lifetime and a long lifetime regime in the deep inelastic collisions between ^{40}Ca and ^{64}Ni at 182 MeV. 372694
Fusion and deep inelastic collisions studied on the Ar + Au system. Pt. 2. 356765
Transitional features observed in the charge and angular distributions of deeply inelastic fragments produced in the reactions ^{181}Ta+620 MeV ^{86}Kr. 372722
Cauvin, M.
Radioisotopes in the primary circuit of a fast reactor. (IWGFR – 7) 360965
Cavaignac, J.C.
Evidence of parity violation in neutron capture by ^{117}Sn. 362037
Cavaignac, J.F.
^{16}O-^{12}C scattering: description of the gross structure features using an optical model. 354056
Cavalar, K.O.
Gamma-ray testing of welds between tube and tube-plate in multipass heat exchangers. 358012
Cavaleru, A.
Field ion microscope studies on thin films. 377174
Cavaliere, A.
Unborn clusters. 364294
X-ray bursts of nuclear origin. 369155
Cavallaro, S.
Competition between ^{5}Li and ^{8}Be formation in the ^{6}Li(^{3}He, $\alpha\alpha$p) reaction at Esub(^{3}He)=2.5 MeV. 364736
High spin levels in ^{58}Fe: ground-state and quasi-γ bands. 372723
Recent studies of high-spin states in the fp-shell nuclei. 356693
Cavalleri, G.
Convenience of the asynchronous formulation. 355737
Inertial mass and potential energy. 358642
Cavalli-Sforza, M.
The s-dependence of double diffraction dissociation of protons at the CERN Interscting Storage Rings. 369373
Search for narrow resonant states in e^+e^- collisions near 6 GeV. 351208
Study of charge-exchange double dissociation of protons at the CERN Intersecting Storage Rings. 369374
Cavalli, A.
Accessibility of equilibria in an electron beam plasma system. 350813, 371782
Spectral distribution of wave power in wideband beam plasma turbulence. 350858
Cavalli, D.
Search for strangeness changing neutral currents induced by neutrinos in GARGAMELLE. 361875
Strange particle production by antineutrinos. 356505
Study of quasi-elastic reactions of ν and antineutrino in Gargamelle. 369268
Cavallo, A.
On sawtooth oscillations and MHD modes in the W VII A stellarator. (INIS-mf – 3963) 371780
Cave, J.R.
Static electric potential structures on the surface of a type II superconductor in the flux flow state. 377679
Cave, L.
Designing for safety in fast reactors in the presence of uncertainties. (CONF-761001 – P2) 365530
Reactor safety as viewed by the technologists. 357743
Relative hazard potential: the basis for definition of safety criteria for fast reactors. (PB – 266617) 360428
Cavedon, J.M.
On the radial distribution of the 1fsub(7/2) proton orbit. 362113
Cavender, J.P.
Distribution and circulation of ^{111}In labelled lymphocytes in man. (INIS-mf – 4010) 367616
Cavill, I.
Measurement of plasma volume using ^{59}Fe-labelled transferrin. 379151
Caville, C.
Raman spectra and phase transition of ammonium uranyl nitrate. 351602
Cawley, W.E.
Manipulator for hollow objects. (US patent document 4,006,930/A/) 352674
Cayol, D.
The commissioning of a nuclear power plant. 355263
Cayrel, G.
Observational evidence for atmospheric physical characteristics relevant to stellar evolution. 369043
Cayrel, R.
Observational evidence for atmospheric physical characteristics relevant to stellar evolution. 369043
Cazabat, M.
Transport properties of superconducting and nonsuperconducting sputtered thin films of Nb – N (critical field). 360007
Cazzola, P.
Integral equations for even parity perturbations of hot perfect fluid nonrotating neutron stars. 368527
Cazzoli, E.G.
Charm and strange particle production in neutrino interactions. 353950
Quasi-elastic neutrino scattering and the axial vector form factor. 353951
Ceallaigh, C.O.
High resolution study of nucleonic cosmic rays with Z >= 34. 368290
Measurement of the cosmic ray element abundances between approximately 300 and approximately 750 MeV/N in the region from nickel to krypton using Lexan track detectors. 368291
Ceausescu, V.
On the description of double-phonon negative-parity states of some even-even Sn isotopes. 354053
Random phase approximation in the study of spherical nuclei. 376939
Some fundamental aspects of RPA approach and its relation with the nucleus structure. 377930
Ceballos, A.
Lifetimes and g-factors of the 6^- and 7^- isomers in ^{66}Ga and ^{68}Ga. 377993
Cecchet, G.
Application of the Hanbury-Brown and Twiss interferometry to the production of like pions in πsup(-)p collisions at 11.2 GeV/c. 353777
Cross-sections and multiplicity distributions for π sup(-)p interactions at 11.2 GeV/c. 369278
Cecchi, P.
CNEN program on advanced LMFBR fuels. 379740
Cecchini, F.
Some aspects of high temperature structural design on LMFBR system and components. (IWGFR – 11) 355458
Cech, R.
Technetate separation from fission products by solvent extraction with CCl_4 solution of tri – n – octyl amine. (INIS-mf – 3849) 378477
Cechova, J.
Preparation and testing of sup(99m)Tc-EDTA kits. 349338
Cecil, F.E.
Inelastic scattering to high lying O^+ levels in ^{16}O. (TID – 27909) 378055
Cecille, L.
Nuclear transmutation of actinides other than fuel as a radioactive waste management scheme. 368363
Cederbaum, L.S.
Theory of the vibrational structure of resonances in electron-molecule scattering. 363883
Cederwall, R.T.
Ozone transport from stratosphere to troposphere. 360195
Cedillo, A.L.
Configuration mixing and the Coulomb energy anomaly. 372656
Ceglio, N.M.
Efficient lensing element for x-rays. (UCRL – 79966) 379970
Pinhole imaging of laser-produced thermonuclear alpha particles. (UCRL – 79780) 377365
Use of x-ray imaging on laser fusion experiments. (UCRL – 79817) 366506
Celaschi, S.
Structured water in lyzozyme. 364934
Celeda, J.
Conductivity study of association of potassium lanthanum hexacyanoferrate(II) and hexacyanoruthenate(II) in aqueous solutions. 354397
The investigation of the extraction of mineral acids by benzenic solutions of tri-n-octyl amine by means of infrared spectra of deuterated systems. 349232
On the mechanism of zirconium sulfate extraction with amines. 349258
Celenza, L.
A phenomenological approach to pion condensation. 372593
Celenza, L.S.
Measurement of pion-nucleus total cross sections as a test for the existence of a pion condensate. 372594
Cella, A.
Demonstration of a free piston Stirling engine driven linear alternator, phase I report. (COO/2764 – 1) 370693
Celnikier, L.M.
A simple mathematical simulacrum of the X-ray burster phenomenon. 356200
Cempel, M.
Organ distribution and excretion of manganese in animals intratracheally treated with manganese dioxide ($^{54}MnO_2$) dust. 373593
Cence, R.J.
Ratio of neutral-current to charged-current cross sections for inclusive neutrino interactions in hydrogen. 351220
Cense, W.A.
An improved He^3-He^4 mixing chamber for single-cycle experiments. 376326
Censori, M.
Investigation of the metabolism of ^{125}I orthohippuric acid (sodium salt) in rats. (STH – 12/77) 357676
Center, J.L.
Analysis of nuclear waste management. (UCRL – 13766) 363662
Centro, S.
The CYCL-OP, a new low cost approach to analog signal fast aquisition for large particle detectors. 371276
Ceperley, D.M.
Physics, fluid, and plasma. 371784
Ceperley, P.H.
Status report on Stanford's superconducting heavy ion linac project. 363347
Ceradini, F.
Further evidence for production of electrons with small transverse momenta in pp collisions. 377784
Cerbone, R.J.
Reactor strategy studies. 352696

Cercignani, C.
Closed-form solutions for some two-group problems with anisotropic scattering. 372555
Cerdonio, M.
Toroidal SQUID with ferromagnetic core superconducting transformer. 367916
Cerez, P.
Quantitative description of the saturated absorption signal in iodine stabilized He-Ne lasers. 353199
Cerino, J.
Study of SPEAR as dedicated source of synchrotron radiation. 363183
Cerkaski, M.
Search for the yrast traps in neutron deficient rare earth nuclei. 354054
Cernusko, V.
Czechoslovak-made Nb_3Sn superconductors. 367236
Cerny, J.
^{61}Ge: a new beta-delayed proton precursor. (LBL – 5075) 356914
Induced mutations for disease resistance in wheat and barley. 373713
Cerny, V.
Dimuon production in vN and anti vN interactions at high energies in a simple quark-parton model with charm. 366831
A geometrical approach in the parton model. 377712
Is resonance production responsible for some features of particle production at large transverse momenta. 353780
Origin of the dimuon continuum and the space-time evolution of hadron collisions. 353781
Particle ratios and lepton production at large psub(T) in a simple parton model. 366822
Particle ratios at large transverse momentum in a simple parton model. 377705
Cerone, F.E. Jr.
Portable equipment for delivery of solutions containing technetium 99m. (German (F.R.) patent document 2626812/A/) 355068
Cerri, S.
Chromospheric rotation during 1972-73, years of declining activity. 353663
Certaski, M.
Nucleon binding in nuclei at high angular momentum. 369415
Cervasek, J.
Surveillance programmes prepared and carried out during production and exploitation of the A-1 nuclear reactor pressure vessel. (IAEA – 202) 376537
Cerven, J.
Protein metabolism after gastrectomy. II. 379141
Cesarano, C.
Design and safety criteria of the alpha-gamma hot laboratory of CNEN, Italy. 360656
Cesari, F.
Probabilistic analysis of accidental transients in a LMFBR. (CONF-761001 – P3) 365512
Some aspects of high temperature structural design on LMFBR system and components. (IWGFR – 11) 355458
Cesaroni, F.
An image scanner for real time analysis of spark chamber images. (CNEN-LNF – 75-54(R)) 363556
Cestaro, G.
Operation of the air filter system at the EUREX irradiated fuel reprocessing plant. 359846
Cetto, A.M.
Schroedinger equation derived from stochastic electrodynamics. 353133
Ceulemans, J.
Elucidation of non-radical processes in radiation chemistry. 369788
Cevenini, F.
An upper limit for the radiative decay width of the J/psi resonance into eta'(958)+γ. 369353
Ceyer, S.T.
Photoionization of dimeric polyatomic molecules: Proton affinities of H_2O and HF. 366239
Cha, Y.S.
Bubble growth by expansion and dissolution in a variable pressure field. 352204
Experimental investigation of cavitation inception and damage in a flowing sodium environment. (CONF-760503 – P2) 352729
A survey of LMFBR cavitation technology in the U.S.A. (IWGFR – 9) 352730
Chaba, A.N.
Bose-Einstein condensation in a three-dimensional system at constant pressure. 350489
Chabaud, V.
Measurement of the reaction $\pi^- p \rightarrow \pi^+\pi^- n$ on a transversely polarized target at 17.2 GeV. 353937
Chabert, A.
Computer study of errors in the magnetic structure of the SSC's at GANIL. Determination of tolerances. (ORNL-tr – 4398) 374050
Examination of the phi/sub HF/(N) and r(N) curves for different magnetic defects taken into account in calculating tolerances on the field of GANIL sectors. (ORNL-tr – 4469) 374049
Summary table of magnetic tolerances for the CSS at GANIL. (ORNL-tr – 4393) 374052
Theoretical and numerical study of the acceleration of particles in the separated sector cyclotrons (SSC's) at the large national heavy ion accelerator (GANIL). (ORNL-tr – 4395) 374053
Theoretical study of the errors in the magnetic structure in the SSC's at GANIL. Determination of tolerances. (ORNL-tr – 4396) 374051
Chaboseau, J.
The possibilities of direct-cycle nuclear power stations. 379700
Chabowska, M.
EPR spectra and alive fungi cells radioresistance. 378999
Chabrerie, J.P.
A twenty-pole superconducting field winding. 360605
Chachanidze, R.V.
Studies of the effect of molybdenum-, silicon- and iron additions on the uranium-alpha radiation-induced growth at low-temperature irradiation. (KFTI – 74-47) 354632
Chacharkar, M.P.
Determination of dysprosium in presence of manganese by neutron activation analysis. 356935
Chaddah, P.
OPW calculation of the compton profile of beryllium. 366397
Chadderton, L.T.
The annealing behaviour of dysprosium ion implanted nickel studied by total current spectroscopy. (INIS-mf – 4031) 353413
On the annealing behaviour of dysprosium ion implanted nickel: a combined study using rutherford backscattering transmission electron microscopy, and total current spectroscopy. (INIS-mf – 3996) 374690
Chadezh, V.
Total resonance absorption of electromagnetic radiation in an inhomogeneous plasma. 368911
Chadha, S.
On Borel singularities in quantum field theory. (NBI-HE – 77-33) 363757, 371353
Xi-function regularization of the quantum fluctuations around the Yang-Mills pseudoparticle. 371354
Zeta-function regularization of the quantum fluctuations around the Yang-Mills pseudoparticle. (NBI-HE – 77-26) 353056
Chadha, S.P.
Sediment transport studies at Visakhapatnam. 367412
Chadin, A.N.
Mass-spectrometric ion source to the MI-1309 device for high-temperature thermodynamic investigation. 371177
Chadraa, B.
On particle multiple production following nuclei collisions at energies higher than 10^{12} eV. 377829
Chae, Y.B.
Heterocycles fragmentation by electron beams. 354440
Chaff, J.A.
Inclusive V^0 production in anti pp interactions at 12 GeV/c. 353939
Chaffey, J.T.
Late effects of x-irradiation on the ability of mouse bone marrow to support hematopoiesis. 367507
Chaglar, I.
On the trapping rate of positrons in deformed lead over the temperature range 4-100 K. 377275
Chagnon, P.R.
Gamma-ray spectroscopy of ^{64}Zn and ^{65}Zn and the role of the gsub(9/2) orbital. 378038
Chagrot, M.
Case for fuel redesign after in pile safety experiments: the "COMMANDO" tests. 379741
Chai, J.
Two Van de Graaff experiments for the senior laboratory. 351274
Chaichian, M.
Corrections to the Landau hydrodynamical model of multiparticle production due to viscosity. 353782
Chailleux, J.M.
New family of ternary niobium oxide with $A_3M_8O_{21}$ structural form. 354586
Chait, R.
Influence of grain size on the high cycle fatigue crack initiation of a metastable beta Ti alloy. 351736
Chaix, J.E.
Heat exchanger with immersed tubes. 355267
Process heat reactor. 355343
Chajecki, T.
Determination of diffusion profiles by autoradiography and their quantitative interpretation. 374795
Chajka, I.I.
Rational thermal conditions of sheet 08kp steel treatment. 357207
Chajka, M.P.
Level-crossing method compared with recent achievements in high-resolution laser spectroscopy. 361365
Chajkovskij, I.A.
Sound absorption in a field of a strong electromagnetic wave in a quantizied magnetic field. 363977
Chajkovskiy, I.A.
Kinetics of photoconductivity in a pulsed field of laser radiation. 363978
Chakhlov, V.L.
Betatron electromagnet. (Czechoslovak patent document 155595/B/) 370740
Radiation method of measurement of radial gaps in between motor crank mechanism joints. 363085
Chakrabarti, S.
Development of seismic design criteria for category I cofferdams. 373794
Chakrabarty, S.
A generalized VMD mechanism for radiative decays of canti c mesons. 361829
Chakrabarty, S.L.
Relative effectiveness of mutagens on amylase production in Aspergillus wentii. 373734

Chakraborti, D.
Spectrophotometric determination of vanadium(V) with N-m-tolyl-m-nitrobenzohydroxamic acid. 349158
Chakraborty, A.
Effects of x-rays on excised mature embryos of rice (Oryza sativa L.). 376086
Chakraborty, B.
Parametric rotation of the principal polarization axes and other effects due to four transverse waves in a plasma. 358923
Chakraborty, B.B.
Hydromagnetic stability of a jet of very high compressibility. 366566
Chakraborty, F.
Measure of γ-doses and gaseous dispersion factors in the environment of a nuclear facility in a typical middle-European site. 370595
Chakraborty, G.
Transient characteristics of RAPS turbo-alternators. 355445
Chakraborty, S.
Parametric study of the influence of the atmospheric diffusion parameters on the short and long-term exposure estimation. 370292
Chakraborty, T.
Jastrow correlations and the nuclear photoeffect. 356585
Chakrapani, B.
Creep failure time of 20% cold-worked type 316 stainless steel. 357257
Chakravarthy, D.P.
Directional rf probe for measurement of conductivity of flowing plasmas. 366568
Chakravarti, B.
Development of A 9 Cr steel with improved strength and toughness. (CONF-770545 – 2) 359898
Chakravarti, P.K.
Determination of electron energy distribution in a plasma. 358924
Chakravarti, S.
Second-order pion-nucleus optical potential. 351295
Chakravarti, S.K.
Determination of uranium trace in some semiconducting materials by nuclear track detectors. 375238
Chakravartty, S.C.
Inelastic interactions of pions with the complex nuclei of emulsions. 364570
Chakravarty, R.
Reduced A-site moment in Fe_3O_4. 366452
Chakravarty, S.
Oxidation of zirconium alloys. 367238
Chakravorty, M.
Anion-exchange separation of uranium (VI) from thorium, zirconium, titanium, lanthanides and other elements in malonic and ascorbic acid media. 367025
Chalabyan, M.A.
On the cross-tie walls. 348837
Chalapati Rao, Y.V.
Collisional deactivation of $CO_2(00^01)$ by propyl alcohols. 368697
Chalaya, I.I.
Solid solutions on the base of tetrafluoroborates and perchlorates. 375531
Chalkin, W.A.
The present status of astatine chemistry. 378460
Challacombe, S.J.
Immunoradiometric assay of salivary anti-C3 antibodies. 365485
Challand, G.S.
Interference in a radioimmunoassay for human thyrotropin. 352130
Challappa, S.
Experience in the manufacture of nuclear engineering equipment. 376332
Experience in the manufacture of nuclear equipment in India. 370813
Challenger, K.D.
Carbon transport and material property degradation in a model of the Clinch Breeder Reactor secondary sodium system. (CONF-760503 – P2) 352763
Chalot, A.
Main safety features of the Super-Phenix project. (CONF-761001 – P1) 363004
Safety analysis of the fast breeder reactor confinement main problems: application to Super Phenix. 379282
Chalov, P.I.
On the identification of waters of earth crust breaks under conditions of radioactive anomalies. 375903
Radiological peculiarities of waters in faults of the Northern Kirghizia. 376030
Chalupka, G.
Excretion and organ distribution of the cytostatic preparation Ledakrin (preparation C-283) in rat. 367580
Chalyj, V.D.
Method for multiple plan application for construction of mathematical models of complicated objects. (INIS-mf – 3909) 374528
Chalyj, V.P.
Kinetics and mechanism of solid-phase reactions of formation of yttrium ferrite with garnet structure. 369687
Chalykh, A.E.
Ionizing radiation effect on phase transformations in polymers. 373345
Chamany, B.F.
Innovations in PHWR design, integration of nuclear power stations into power systems, and the role of small nuclear power plants in a developing country. 371001
Chambaere, D.
Moessbauer study of Ca^{2+}-containing magnetites. 371681
Chambaudet, A.
On the formation of heavy ion latent tracks in polymeric detectors. 365232
Chamberlain, A.
Fast reactor fuel design and development. 368034
Prospects for the establishment of plutonium recycle in thermal reactors in the Foratom countries. Status and assessment. 368442
UK strategy and programmes for advanced LMFBR fuels. 379734
Chamberlain, J.
A microprocessor controlled TL dosimetry system. 355583
Chamberlain, O.
Measurement of the π^+p and π^-p polarization parameters at 100 GeV/c. 351209
Polarized target experiment at Fermilab. (LBL – 6147) 372510
Proton and pion spectra at large angles in relativistic heavy-ion collisions. (LBL – 670) 378037
Chambers, F.W.
Propagation of a heavy ion beam in gas-filled reactor. (UCRL – 80320) 372103
Stable propagation of an electron beam in gas. (UCRL – 79886) 371923
Chambers, S.A.
Satellite structure in the x-ray photoelectron spectra of gaseous furan, pyrrole, and thiophen. 350466
Chambon, M.
Management of high-activity nuclear waste (fission products). (BNWL-tr – 263) 368382
Management of high-level radioactive waste (fission products). 368361
Chambon, P.
Helically coiled 'once through' steam generators at Hartlepool. 352675
Chambre, P.
Rewetting model using a generalized boiling curve. (EPRI-NP – 571) 379223
Chamdessine, A.H.
Massive supergravity from non-linear realization of orthosymplectic gauge symmetry and coupling to spin-1/2-spin-1 multiplet. 371355
Chameaud, J.
Pulmonary tumors induced in the rat by the internal α irradiation; target cells and sensitive cells. 354774
Chamorro, J.L.
Comparative CAT and radionuclide studies in brain exploration. (INIS-mf – 4010) 362804
The diagnosis of myocardial infarction and ischaemia using sup(99m)Tc and ^{201}Tl. (INIS-mf – 4010) 362805
Champeix, L.
Carbon transfer between 2 1/4 Cr 1 Mo alloy and austenitic steels (experiments in anisothermal loops). (CONF-760503 – P2) 352718
Champion, F.C.
Improved nuclear gage development – phase i and ii. Interim report. (PB – 267106) 367885
Champion, Harold
Koeberg prawns, sir... . 368392
Champion, R.L.
Differential cross sections for collisions of alkali ions and atoms, ch. 6. (INIS-mf – 4090) 366382
Differential scattering cross sections for collisions of alkali ions and atoms. II. 361404
Chamseddine, A.H.
Supergravity as a gauge theory of supersymmetry. 355738
Chan, A.S.K.
Iodinated E. coli 70S ribosomes as a radiocolloid of uniform particle size for lymph-node and liver scanning. 373644
Chan, C.K.
Alternative accident scenario for LMFBR core disruption. 352205
A look at alternate core disruption accidents in LMFBRs. Topical report. (PB – 267577) 357744
Suppression pool dynamics. Quarterly progress report 1 Jul 1976 – 30 Sep 1976. (PB – 267584) 357741
Suppression pool dynamics. Quarterly progress report 1 Oct 1976 – 31 Dec 1976. (PB – 267585) 357742
Thermal radiation effects on subassembly wall failure in fast reactors. 352286
Chan, E.L.
Improved nuclear gage development – phase i and ii. Interim report. (PB – 267106) 367885
Chan, F.T.
Comparison of the Born and Glauber cross sections for the 2s→3p transition of H. (ANL – 76-88(Pt.1)) 361342
Chan, H.-M.
Strings, bags, and baryoniums. 377713
Chan, H.C.
Anomalous alpha particle transport in fusion plasma. (INIS-mf – 3963) 353632
Chan, J.
Coincidence electronics for the circular ring transaxial positron camera. 379872
Chan, K.C.
Independent yields of indium and gallium in the proton induced fission of natural uranium. 359469
Chan, K.F.
Current-driven kink-like instability in collisional plasmas. 350886
Chan, L.
Quark-loop dominance in the SU(3) sigma model. 372378

Chan, L.H.
The spin structure of the effective quark Hamiltonian and the hyperfine splittings of charmonium. 361778
Chan, M.
The concentration susceptibility in He^3-He^4 mixtures near the superfluid transition. 366809
Chan, M.C.
Anomalous alpha particle transport in thermonuclear tokamak plasma. (ORNL/TM - 6027) 372025
Chan, S.H.
Assessment of fuel failure propagation in LMFBRs. (CONF-761001 - P3) 365546
Effect of radiative cooling on HCDA radiological consequences during buoyancy period. 352206
Chan, T.C.
Analytical models and experimental studies of centrifugal pump performance in two-phase flow. Key phase report. (EPRI-NP - 170) 367801
Chan, T.L.
Particle deposition in a hollow cast of the human tracheobronchial tree. 365475
Chan, T.U.
Core-plus-particle coupling description of the ^{63}Zn high-spin levels. (ZfK - 336) 364752
Yrast states in ^{62}Cu. 356731
Chan, T.V.
High spin states of ^{50}V observed via the $^{48}Ti(\alpha,pn\gamma)$ reaction. 372758
Chan, Y.
^{29}Si + ^{14}N stripping and pickup reaction. (RLO/1388 - 362) 372725
Back-angle anomalies in ^{6}Li scattering from ^{40}Ca and ^{44}Ca. 359461
Isomeric quasiparticle states in ^{174}Hf. (RLO/1388 - 362) 372715
Observation of gross structures in the gamma ray yields following the ^{16}O + ^{12}C reaction. (RLO/1388 - 362) 372706
Study of anomalous angular distributions with ^{15}N-induced reactions. (RLO/1388 - 362) 372724
Chan, Y.D.
Further measurements of ^{16}O + ^{28}Si elastic scattering at tandem energies. (RLO/1388 - 362) 372830
Chanana, A.D.
Fate of intraintestinal thymocytes labeled with ^{125}iododeoxyuridine or tritiated thymidine. 352064
Chance, M.S.
Ballooning modes in tokamaks with finite shear. (INIS-mf - 3963) 371876
Theory of ballooning modes in tokamaks with finite shear. 366527
Chance, R.R.
Experimental validation of a fundamental theory of photoconductivity quantum yields. (INIS-mf - 4127) 363966
Chand, P.
Electron impact excitation of the hydrogen atom in the presence of an intense laser beam. 355904
Free-free transition due to laser beam in the electron-atom scattering process. 355905
Chanda, R.
Non asymptotic contribution to e^+-e^- annihilation at present available energies. 350490
Chander, Jagdish
sup(99m)Tc-Sn-glucose complex : a renal scanning agent. 367146
Tcsup(99m)-labelled radiopharmaceuticals for renal scintigraphy. 349336
Chandler, C.
N-body quantum scattering theory in two Hilbert spaces. I. The basic equations. 366832
Chandler, J.C.
Core design methods for advanced LMFBRs. (HEDL-SA - 1205) 363500
Development of LMFBR core designs using reference and advanced oxide fuel. 379742
Chandra Gupt, C.
Low-transverse-momentum distribution and cluster model. 361854
Chandra Mouli
Radiation-induced "bunchy top" mutant in groundnut. 376161
X-ray induced asynaptic mutant in ground nut Arachis hypogea L. 349818
Chandra, D.
Tritium diffusion in Al_2O_3 and BeO. 362490
Chandra, K.
Effect of alloying elements in plain carbon steels. 371619
Magnetic properties of paramagnetically doped crystals of Er^{3+} in garnets. 366431
Moessbauer studies of natural goethite and bog iron ore. 371680
Chandra, N.
Low-energy electron scattering from CO. II. Ab initio study using the frame-transformation theory. 350587
Chandra, R.
Acute radiation nephritis. Light and electron microscopic observations. 352049
Direction of EFG principal axis in certain Biotite and phlogopite micas by Moessbauer technique. 366398
Electric field gradient in biotite mica. 371576
On the cosmical constant. 366678
Possibility of tracing the geothermal history by Moessbauer study on heat treated micas. 366399
Search for anisotropy in Moessbauer absorption in biotites. 366466
Chandra, S.
Radiative attachment of electrons with some atoms. 353312
Chandra, T.
Role of thyroid gland on the peroxidase and iodinating enzymes of submaxillary gland. 352089
Chandra, U.
Application of isotope techniques for water resources, water pollution and civil engineering investiqations - a few case studies. 367396
Hydrological investigations carried out with nucleonic soil moisture and density gauges developed at Trombay. 368281
Possibility of tracing the geothermal history by Moessbauer study on heat treated micas. 366399
Chandramohan, T.
Inelasticity effects in $\pi\ \pi$ production in $\gamma\ \gamma$ collisions. 372380
Photoproduction in pion pairs at moderate energies. 372379
Chandramoleshvar, K.
Material reactivity worth measurements in a fast reactor. 376472
Chandramouli, V.A.
Integrated planning for a fuel industry, with emphasis on the minimum size appropriate for fabricating one's own fuel. 365829
Chandrasekhar, S.
The gravitational perturbations of the Kerr black hole. 368529, 368530
The Kerr metric and stationary axisymmetric gravitational fields. 368528
Chandrashekhar, K.
Role of protein malnutrition and malabsorption experimental hypothyroidism. 367645
Chandratillake, M.R.
Production and decay of the F^- centre in KCl studied by pulse radiolysis. 369778
Chanet-zade, S.A.
Investigation into the PbSe-Nd_2Se_3 system. 375428
Chaney, D.
Inclusive charged-particle production in neutron-nucleus collisions. (COO - 2289-171) 361968
Chang-Chien, Y.
Thyroid cancer after irradiation. 352045
Chang, B.
Clinical significance of /sup 99m/technetium sulfur colloid accumulation in renal transplant patients. 357643
Chang, B.D.
Scalar and configuration traces of operators in large spectroscopic spaces. 372595
Chang, C.
Dimuon and trimuon final states in deep inelastic muon scattering. 359335
Chang, C.-N.
The relative photoionization cross section measurement by X-ray detection. 379870
Chang, C.C.
High spin states in ^{206} ^{204} ^{202}Tl observed in (d,α) reactions at 80 MeV. 359481
Chang, C.H.
Comparison of the Born and Glauber cross sections for the 2s→3p transition of H. (ANL - 76-88(Pt.1)) 361342
Lymphopenia caused by cranial irradiation in children receiving craniospinal radiotherapy. 373568
Chang, C.P.
Dislocation morphology in deformed and irradiated niobium. (IS-T - 763) 373340
An electron-microscopy study of neutron-induced defect clusters in niobium. 375945
Chang, C.T.
On the use of langmuir probes in a laser-produced plasma. (IPP - 4/150) 353535
Preliminary considerations regarding the effect of α-particles on a refuelling-pellet. (INIS-mf - 3963) 353536
Chang, C.W.
Nonaqueous reductive lanthanide chemistry. II. Conversion of cis,cis-1,5-cyclooctadiene to cyclooctatetraenyl dianion by reduced praseodymium and potassium. 378260
Chang, C.Y.
Testing the muon number conservation law in anti ν sub(μ) + e^- interactions at high energies. 353953
Chang, C.Y.F.
SOPHT: a computer model for CANDU-PHWR heat transport works and their control. 368049
Chang, D.S.
Prediction of cavity growth by solution of salt around boreholes. (Report No. IITRI-C - 6313-14). (ORNL/Sub - 4005/1) 352885
Chang, E.S.
Isotope effects in molecular scattering by electrons. 353213, 376986
Resonant angular distributions: application to e-CO. 353214, 376987
Chang, G.K.W.
Diffractive excitation of proton into strange particles at very high energies. 361878
Chang, H.
Mark III Confirmatory Test Program: 1/root 3 scale condensation and stratification phenomena, Test Series 5807. (NEDO - 21596) 365620
Chang, J.
Microchannel plate response to hard x-rays. (SAND - 77-8621) 361030
Neutron production from advanced RDB fusion targets. (SAND - 77-2017C) 364177
Scintillator-photomultiplier response to a simulated REB generated thermonuclear neutron pulse. (SAND - 77-1592C) 377470
Chang, J.-S.
A magnetically shielded sampling technique for plasma diagnostics in a medium-pressure magnetoplasma. 364178
Chang, J.C.
Improved nuclear gage development - phase i and ii. Interim

report. (PB – 267106) 367885
Chang, J.S.
Temperature feedback in a stratospheric model. 365327
Theory of dense plasma afterglow. 356098
Theory of electrostatic stagnation point probes in a low -density flowing continuum plasma. 356097
Chang, J.Y.
Self-welding evaluation of Type 304 and A286 stainless steel in the temperature range 800°-1140°F in flowing sodium. 369919
Chang, K.H.
Comparison study on GCFR core support grid plate displacement among experimental, analytical, and finite-element models. (GA-A – 14325) 358282
Static test of the gas-cooled fast breeder reactor core support grid plate: comparison of experimental, analytical, and finite-element models. (GA-A – 14121) 379746
Structural analysis of the gas-cooled fast breeder reactor core support. (GA-A – 14098) 365970
Chang, K.S.J.
Exact and approximate interior corner problem in neutron diffusion by integral transform methods. (COO – 2280-28) 363376
Chang, L.-N.
Instantons with fractional topological charge. 376899
Chang, L.J.
The status of defect studies in silicon. 370145
Chang, L.N.
The source of trimuon events in neutrino scattering. 369265
Chang, L.T.
Three-dimensional imaging with large-area positron cameras. (LBL – 5501) 352120
Chang, N.-P.
Instantons with fractional topological charge. 376899
Chang, R.P.H.
Properties of plasma oxidized GaAs films. 368754
Chang, S.
Normal operators and Hamiltonians in $(phi^4)_3$ field theories and their transformation properties. 363758
Chang, S.I.
Identification of nuclear plant parameters using experimental data and high-order dynamic models. 368050
Chang, S.L.
N-beam Bragg-Lave dynamical multiple diffraction of x-rays. 350722
Chang, Shi-Cen
Yrast traps and nuclear shell structure. (ZfK – 336) 364680
Chang, T.N.
Two- and three-photon ionization of hydrogen and lithium. 350588
Chang, T.Y.
Nonlinear response of graphite structures. (BNL-NUREG – 23228) 365910
Chang, Y.
Reel support for wind the magnet of the Mirror Fusion Test Facility. (UCRL – 79747) 374834
Chang, Y.C.
Two-dimensional coastal storm surge model. 362885
Chang, Y.I.
Alternative fuel cycle options: performance characteristics and impact on nuclear power growth potential. (ANL – 77-70) 379652
Impact of thermal near-breeders on uranium utilization. 352915
Relationships between nuclear growth rates and breeder doubling times. 352731
Chang, Y.W.
Analysis of LMFBR containment response to an HCDA using a multifield Eulerian code. (CONF-770807 – 53) 373797
Application of containment codes to LMFBRs in the United States. (CONF-770817 – 4) 365531
Computer simulation of LMFBR piping systems. (CONF-770807 – 45) 370519
Eulerian algorithm for analyzing fluid-structure interaction in the fast reactor containment. (CONF-770807 – 54) 373876
Generalized Eulerian method in reactor containment analysis and its comparison with other numerical methods. (CONF-761001 – P3) 365534
Safety analysis of the primary heat transport systems of LMFBRs. (CONF-761001 – P3) 365506
Structural dynamics in LMFBR containment analysis: a brief survey of computational methods and codes. (CONF-770807 – 37) 365971
Studies of supercritical helium-4 at low temperatures during heat flow including disordered boundary domain investigations. Progress report for 1976. (PB – 266872) 356357
Chanin, G.
A portable He^3 cryostat for space applications. 360607
Chanmugam, G.
Radial oscillations of zero-temperature white dwarfs and neutron stars below nuclear densities. 369044
Channon, S.R.
Design considerations for a migma advanced fuel fusion reactor. 363240
More properties of miga orbits. 363184
Chanowitz, M.
Pion condensation and abnormal nuclear matter. 354055
Chanowitz, M.S.
The price of natural flavour conservation in neutral weak interactions. 353783
Chant, N.S.
High spin states in ^{206} ^{204} ^{202}Tl observed in (d,α) reactions at 80 MeV. 359481
Chantelat, C.
The Mark II Nancay radioheliograph. 372129
Chao, A.W.
Quantum lifetime in electron storage rings. 363186
Vertical beam size due to orbit and alignment errors. 363185
Chao, E.I.
Steady state heat transfer in ORR irradiation capsules. (ORNL/MIT – 227) 352799
Chao, K.A.
Degenerate perturbation theory and its application to the Hubbard model. 366254
Chao, T.H.
Mechanism of hydrogen evolution from hydridocobaloxime. 378232
Chapajkina, L.A.
Effect of rhenium injection methods on emission characteristics of metalloceramic alloys. 351840
Chapelle, J.
Temperature measurement of heavy particles in an argon plasma jet under pressure. 353620
Chapelot, A.
Possibility of adapting high-temperature reactors with steam turbines to European conditions. 379670
Chapin, T.
Recent results from counter-spark chamber ν experiment at BNL. 353980
Chapiro, A.
'Molecular' products in the radiolysis of vinyl monomers. 357142
Chaplin, D.H.
Radiative detection of single-phase and spin-echo nuclear magnetic resonance. 356074
Chapline, G.
Asymptotic freedom and the baryon-quark phase transition. 358643
Chapman-Hatchett, A.
SPS beam instrumentation and closed orbit correction. 363165
Chapman, A.B.
Effects of ancestral x irradiation followed by random mating on body weight of rats. 367496
Estimates of genetic parameters of body weight in descendants of x-irradiated rat spermatogonia. 367497
Chapman, C.C.
Recent calcination and vitrification process accomplishments. 358493
Chapman, E.J.
Ventilation and filtration of active buildings. 360661
Chapman, F.M. Jr.
Theoretical studies of photoionization cross sections and angular distributions for the hydrogen molecule. 350604
Chapman, G.A.
Facular models, the K-line, and magnetic fields. 369045
Chapman, G.T.
Cross sections for gamma-ray production by fast neutrons for 22 elements between Z = 3 and Z = 82. 356745
Chapman, J.D.
Application in radiation therapy of substances which modify cellular radiation response. 357592
Chapman, K.R.
Mounting of larger stripper foils for use in the terminal of an electrostatic accelerator. 379486
Chapman, L.D.
Structure for the decomposition of safeguards responsibilities. (SAND – 77-0400) 368477
Users guide for evaluating alternative fixed-site physical protection systems using "FESEM". (SAND – 77-1367) 380116
Chapman, P.
Aspects of the economics of energy systems. 368413
Chapman, P.F.
Alternative energy sources. An analysis of their role in energy policy. 352896
Chapman, R.D.
On coronal Fe abundances and temperatures from XUV emission lines. 353704
Chapman, S.
Rotational excitation of linear molecules by collisions with atoms: Comparison of classical and quantum methods. 350589
Chappell, C.R.
U.S. Nuclear Regulatory Commission Program to certify a package for air transport of plutonium. 350009
Chappellier, A.M.
Fire protection at hot laboratories: Prevention, surveillance and fire-fighting. 360429
Chappert, J.
Crystal field effects in Dy_2Ni_{17} from Moessbauer spectrscopy. 378602
Moessbauer spectroscopy and magnetic properties of DyMg and ErMg. 348763
Chappey, B.
Electronic conductivity and oxidation reduction in zirconium based ceramics. 354585
Chapuis, A.M.
Choice and use of air cleaning systems in nuclear installations. 360518
Chapuis, M.
The Mark II Nancay radioheliograph. 372129
Chapuis, Y.
The Mark II Nancay radioheliograph. 372129
Chapurskij, L.I.
On comparability of measured and calculated solar radiation fluxes and influxes in the atmosphere. 349672
Chapyzhnikov, B.A.
The use of the microtron for the activation analysis of pure metals and alloys. 356975

Charak, I.
Temperature distributions in fusion reactor first-wall systems. 377371
Thermal responses of tokamak reactor first walls during cyclic plasma burns. (CONF-771029 – 189) 377539
Charakhch'yan, A.N.
New effects in 11 year modulation of galactic cosmic rays. 356201
Charakhch'yan, T.N.
New effects in 11 year modulation of galactic cosmic rays. 356201
Charap, J.M.
Space-time topology and a new class of Yang-Mills instanton. 361253
Charbonnel, A.
Regulatory inspections in France – Organisation and acquired experience. (INIS-mf – 4058) 361176
Charbucinski, J.
Elimination of geometrical effects in the selective gamma-gamma method. 376268
Some factors affecting accuracy in determinations of heavy element concentrations in the selective gamma-gamma method. 375969
Charewicz, W.
Flotation of anions using cationic surfactants. Pt. 4. Flotation of molybdates, perrhenates and chloroaurates from solutions of some electrolytes. 375429
Chargejshvili, M.S.
On the growth of associative multiplicity in dependence on transverse momentum. 375055
Chargin, A.K.
System design for the new TMX machine. (UCRL – 79749) 374811
Charkes, N.D.
A new model of ^{18}F-fluoride kinetics in humans. Simulation by analogue computer. 354832
Charkin, O.P.
Ab initio calculations of potential surfaces and geometry of non-rigid molecules. 356996
Charles, B.J.
Measurement of differential cross sections for elastic K$^+$p scattering in the momentum range 0.7 to 1.9 GeV/c. 372511
Charles, P.
Researches with the tandem and the synchrotron. Chapter 1. (CEA-N – 1959) 354137
Charles, P.A.
X-ray variability of Vela X-1: 3U0900-40. (CONF-7510169 –) 364295
Charles, R.G.
Preliminary chemical investigation of sodium – concrete reactions by differential thermal analysis. (CONF-760503 – P2) 352786
Charles, S.W.
The structure of vapour-quenched Gd-Ag alloys containing between 0 and 16 at % silver. 378710
Charlesby, A.
Effect of ^{60}Co-γ radiation on crystal structure of normal high paraffins. 375672
Charlesworth, A.M.
Isospin mixing of the 5605 and 5668 keV states in ^{18}F in the light of a new state at 5603 keV. 354149
Charlesworth, F.R.
Safety aspects of a fuel reprocessing plant. 370546
Charlton, J.C.
Source for technetium-99m and procedure for its elution. (German (F.R.) patent document 2238503/B/) 354922
Charlton, L.A.
Is (^{3}He, t) primarily a (^{3}He, α)(α, t) reaction. 372726
Polarizability of nuclear wave functions in heavy ion reactions. (LBL – 6592) 366927
Polarization of the nuclear wave functions in ^{40}Ca(^{16}O, ^{15}N)^{41}Sc and ^{208}Pb(^{12}C, ^{11}B)^{209}Bi. (IKDA – 77/16) 364672
Polarization of the nuclear wave functions in ^{40}Ca(^{16}O,^{15}N)^{41}Sc and ^{208}Pb(^{12}C,^{11}B)^{209}Bi. 375165
Successive and simultaneous transfer descriptions of (p,t) reactions on ^{208}Pb. 356626
Charman, C.M.
Finite element methods for analysis of toroidal field coils in fusion devices. (GA-A – 14389) 356099
Charnaya, E.V.
Acoustic solid-effect in non cubic crystals. 363979
Charnock, W.
Mechanisms affecting chemistry and material properties at crack tips in metals. 354569
Charpak, G.
Applications of proportional chambers and drift chambers in high-energy physics and other fields. 366012
Channeling of protons, pions and deuterons in the GeV region. 353418
Channelling effects for 15 GeV/c negative pions. 377798
Energy loss of 2-15 GeV/c particles in Si and Ge single crystals with a comparison to existing theory. (INIS-mf – 3996) 364005
Progress in high-accuracy proportional chambers. 379871
Charpin, P.
Uranium(IV)-crown-ether complexes and cryptates. 373004
Charras, T.
CEASEMT system of finite element computer programs – use for inelastic analysis in liquid metal cooled reactor components. (IWGFR – 11) 355225
Charrault, J.C.
The European Community case for nuclear power. 366126
The role of the Commission of the European Communities in the supply of nuclear fuel and the development of the nuclear fuel industry. 368443
Charrier, G.
Chemical detection and precise measurement of tritium in a gas. (KFK-tr – 504) 349160
Charroppin, P.
Underground storage of heat. 376782
Chartier, J.-L.
A measuring method of photo-electric cross section. Application to high-Z elements between 40 keV and 220 keV. Measurement of K absorption edge energy of Au, Th, U, Pu. (CEA-R – 4874) 358722
Chartofilakidis-Garofalidis, G.
The value of scintigraphy in orthopaedic clinical practice. (INIS-mf – 4010) 370474
Charvet, J.L.
Evidence of parity violation in neutron capture by ^{117}Sn. 362037
Chary, S.T.
Electrical and electronics annual, 1976 : yearly special supplement to Electrical India. 374991, 376332
Chasanov, M.G.
Heat removal from molten fuel pools. (CONF-761001 – P4) 362856
Interactions of LMFBR core debris with concrete. (CONF-761001 – P4) 362857
Measurement of thermal diffusivity of molten UO_2. (CONF-770537 – 3) 360017
Production of molten UO_2 pools by internal heating: apparatus and preliminary experimental heat transfer results. 367741
Thermophysical properties of thorium and uranium systems for use in reactor safety analysis. (ANL-CEN-RSD – 77-1) 378463
Chase, M.K.
A comparison of models for large transverse momentum meson production. 359236
Chase, W.J.
Reactions in spurs: mechanisms of hydrated electron formation in radiolysis of water. 357179
Temperature and solvent dependence of electron efficiency in polar liquids: water and alcohols. 362263
Chasens, A.I.
Autoradiographic study of the penetration of radiolabelled dextrans and inulin through non-keratinized oral mucosa in vitro. 373581
Chasman, R.
Summary of longitudinal instabilities workshop. (BNL – 50611) 357948
Chasman, R.R.
Survey of single particle states in the mass region A > 228. 372596
Chasnikov, I.Ya.
Leading pions in πsup(-p) interactions at 11 GeV. 349091
A study of inelastic pion-nucleus interactions at 200 GeV/c in an emulsion. 356481
Chassany, J.P.
Managing anticipated collective doses. 360465
Chatelet, J.
Near UV photophysics of gaseous UF_6. 366384
Chater, A.
Measurements of surface radon fluxes from uranium mill tailings. 349897
Chatt, Joseph
Nitrido- and imido- or nitrene complexes of molybdenum. 351475
Chattarji, D.
Electron shake-off in neon and the interaction of continuum states. 376988
Chatterjee, A.
The effects of accelerated heavy nuclei of neon and argon on mammalian cells in culture. 378981
New method for the measurement of differential elastic scattering cross sections of fast neutrons. 364611
Optical model analysis of nonelastic interaction of 14.2 MeV neutrons. 361913
Chatterjee, J.M.
Role of high resolution Ge(Li) detector in trace element study in water activated with thermal neutrons. 367026
Chatterjee, R.M.
Radon concentrations in contaminated and uncontaminated premises in two Ontario towns. (HASL – 325) 378900
Chatterjee, R.N.
Inhibition of initiation of DNA replication in Drosophila by α-aminitin and its possible significance. 373645
Chatterjee, S.
Fabrication and post-irradiation examination of a zircaloy-2 clad UO_2-1.5 wt% PuO_2 fuel pin irradiated in PWL, CIRUS. (BARC – 918) 374178
Chatterjee, S.K.
High temperature injury of different varieties of wheat seedlings with special reference to their ribose nucleic acid activity and ^{32}P uptake capacities. 373647
Chatterjee, S.N.
Effect of ultra-violet radiation on the liposomal membrane. 376064
Chattopadhyay, B.K
Decay of the 46.6 s sup(75)Gesup(m). 362039
Chattopadhyay, S.
Structural analysis of equilibrium and ohmic heating coil assemblies for the TFTR. (WFPS-TME – 016) 366511
Chattopadhyay, T.
Some studies on isolated sunspot magnetic configurations and associated Hsub(α)-flares and microwave bursts. 366679
Chatybekova, Sh.E.
Hydrogenetion of unsaturated compounds at irradiated by α-and β-particles catalysts. 373091
Chau, E.K.L.
Stopping cross sections of oxygen for 0.3 – 2.0-MeV α particles in saturated alcohols and ethers. 364620

Chau, H.H.
Streak camera recording of interferometer fringes. (UCID – 17531) 377505
Chau, N.
A new processing algorithm for the resolution enhancement of digital scans. 360378
A set of programs to process radioisotopic functional explorations by computer. 360377
Chaubey, R.C.
Multigeneration feeding studies with an irradiated animal feed. 352150
Chaudhari, P.
Structure and properties of metallic glasses. 373171
Chaudhary, S.
Some aspects of pilot plant production of micron size zirconium powder by calciothermic reduction of ZrO_2. 367208
Chaudhri, M.A.
A method for charged-particle activation analysis and its application to fluorine determination by the $^{19}F(p,\alpha\gamma)^{16}O$ reaction. 369531
Chaudhry, P.
Application of glass solid state nuclear track detectors in the measurement of charged particle fission cross-section of uranium. 369494
Chaudhry, P.S.
Distribution of cyclic-AMP-phosphodiesterases activity in buffalo spermatozoa. 352090
Chaudhuri, B.N.
Effect of simulated high altitude on red cell membrane permeability as revealed by influx of ^{86}Rb and ^{22}Na. 349812
Chaudhuri, K.D.
Study of thermal conduction in bismuth-thallium specimens between 1.5 K and 50 K. 357264
Chaudhuri, N.
Experimental photoionization cross sections of gamma ray photons for low, medium, and high Z atoms. 361945
Measurement of angular distribution of incoherently scattered gamma rays from atoms. 361946
Chaudhuri, S.
Strontium isotopic composition of several oilfield brines from Kansas and Colorado. 376031
Chaudhuri, T.K.
Increased hepatic predilection of bone-seeking radiopharmaceuticals in patients with hypercalcemia. 352058
Chaudhury, P.C.
Studies on isoxazolones. Part IV : Formation constants of Cu(II) and UO_2(II) complexes of 3-phenyl-5-isoxazolone. 367083
Chauhan, P.S.
Multigeneration feeding studies with an irradiated animal feed. 352150
Studies on the possible mutagenicity of irradiated diets in rodents. 352143
Chaumeaux, A.
Neutron densities from 1 GeV proton scattering. 372727
Chauvin, J.
The giant resonance region of ^{90}Zr via elastic scattering of 57.5MeV polarized protons. (ISN – 77-28) 359514
Chavaudra, J.
Automatic measurement of radio-isotope uptake in the organs by numeric scintigraphy (applied to the thyroid). 360390
Chavdarova, R.D.
Coulometric titration of rhenium(7) by electrogenerated titanium (3). 375239
Chaves, A.S.
The antiferroelectric phase in KCN. (PUC-TN – 23/76) 350777
Chaves, C.M.
Coupled charge adnd spin fields in itinerant-electron paramagnets. (CBPF – A0013/77) 363783
Phase transition in the non-degenerate Hubbard Hamiltonian. (PUC-TN – 25/76) 350491
Phase transitions in the Hubbard Hamiltonian. (CBPF – A0018/77) 363759
Chavin, S.
Topics in the generalized vector dominance model. 372381
Chavushyan, O.S.
UBV-photometry of flare stars in pleiades. 374889
Chawla, M.S.
In vitro assimilation of ^{14}C from labelled sodium bicarbonate by rumen bacteria. 352091
Chawla, T.C.
Survey of numerical methods for hydraulic transients. (ANL – 77-81) 379432
Chay, S.C.
Additional methodology development for statistical evaluation of reactor safety analyses. (EPRI-NP – 483) 360459
Chaya, Kunio
Tritium contents in rain water at Nagoya. 373433
Chayes, A.
Institutional arrangements for a multinational reprocessing plant. 375752
International arrangements for nuclear fuel reprocessing. 373119, 373121, 373126, 374438, 374490, 374493, 374501, 374507, 374511, 374512, 375736, 375740, 375741, 375742, 375751, 375752
U.S. non-proliferation policies. 358593
Chazalviel, J.N.
X-ray photoelectron spectroscopy in rare-earth hexaborides. 357352
Chebotaev, P.S.
Diffusion of heavy impurities in a dense wall-confined plasma. 348971
Chebotar', N.A.
DNA synthesis in the brain of 13-18 day-old embryos of X-irradiated rats. 376099
Chebotarev, A.M.
Generalized measures and the Feynman path integral. 348601
Chebotarev, E.E.
Chemiluminescence of the liver mitochondria of rats exposed to fast neutrons. 362662
Induced chemiluminescence of the blood plasma of rats in early postirradiation periods. 370365
Chebotarev, L.V.
To the theory of photoelastic effect in cubic crystals. 361432
Chebotareva, Eh.G.
The ligand role in vanadyl chelate complexes in the catalytic reduction of hydroperoxides with phosphites. 357049
Chebotareva, N.I.
Effect of ionic form of anion exchanger on sorption kinetics of cerium (3) ions. 351476
Chebotina, M.Ya.
Seasonal dynamics of Co^{60} accumulation by Elodea canadensis Rich. 349796
Cheburkov, D.I.
Casual error decreasing methods of nuclear measuring devices of strong magnetic fields. 350355
Chechenin, N.G.
Effect of a compound nucleus lifetime on the profile of the planar shadow. 359423
Measurement of ^{236}U and ^{239}U compound nuclei lifetime dependence on excitation energy. (INIS-mf – 3896) 356917
Chechernikov, V.I.
Magnetic properties of some terbium alloys with a CsCl structure. 374669
On magnetic properties of some intermetallic cobalt compounds with d-metals. 369966
Chechetkin, V.M.
Primary black holes and the deuterium problem. 369238
Chechetkin, Yu.V.
Radioactivity of cover gases in a fast reactor (experienced in BOR-60). (IWGFR – 7) 360969
Studies on radioactivity build-up and distribution in the BOR-60 circuit. (IWGFR – 7) 360981
Studies on the efficiency of radioactive impurity trapping by the BOR-60 trap. (IWGFR – 7) 360985
Chechev, V.P.
Radioactivity and Universe evolution. 351036
Transactinium elements in the evolving Universe. 359064
Chechick, R.
Compound transfer and direct transfer reactions induced by ^{17}O on ^{13}C. 372728
Chechik, R.
Elastic scattering of ^{17}, ^{18}O on ^{12}, ^{13}C at Esub(c.m.) = 12.6-14.0 MeV. (WIS-Ph – 77/16) 366969
Checinski, K.
EPR spectra of Mn^{2+} ions in CdY_2S_4 and CdY_2Se_4 of spinel structure. 378367
Chee, C.A.K.
Cytogenetic findings 30 years after low level exposure to the Nagasaki atom bomb. 349760
Chee, P.C.
Effect of sublethal levels of ionizing radiation on a predator-prey interaction. 362660
Cheetham, A.D.
Observation of nonlinear effects in the propagation of m = 0 torsional hydromagnetic waves. (FUPH-R – 144) 356088
Chefranova, O.A.
Formation and transformations of radicals in frozen aqueous solutions of components of nucleic acids and H_3PO_4. 375705
Chegaj, A.S.
Device for preventing spontaneous repositioning of a control element of a nuclear reactor. (German (F.R.) patent document 2219951/B/) 355351
Cheglokov, E.I.
Magnetic hypersusceptibility of atoms. 350558
Chegne, J.
Checking the homogeneity of fuel for high-temperature reactors. 376543
Chegodaeva, L.B.
Study on reliability of electron accelerators by the Monte Carlo method. (INIS-mf – 4194) 376376
Cheka, J.S.
Dosimetry for human exposures. (ORNL – 5171) 367525
Reference bank of exoelectron dosimeters. (IAEA-SM – 222/46) 379883
Chekalin, N.V.
Experimental selection of molecules for isotope separation by multiple-photon dissociation in an intense IR field. 364935
Isotope separation in high-intensity IR laser field. 362226
Chekalova, L.S.
Kinetics of deposition of alkaline earth metals on liquid metal cathodes during electrolysis of chloride melts. (INIS-mf – 4189) 375602
Chekanov, S.Ya.
Cooled trap. (KFTI – 75-10) 355150
Chekanov, V.V.
Interaction of centres on nucleate boiling. 376301
Chekavtsev, A.V.
Cathodic implantation of aluminium in vanadium. 378233
Chekhomov, O.M.
Reaction of molybdenum trioxide with molten iron alloyed by vanadium and tungsten. 349240

Chekhonadskij, N.A.
On the informativeness and prognostic significance of indices of the initial state for estimation of individual radiosensitivity of rats. 376092
Chekhovaya, I.N.
On the stability of colloidal solutions in aqueous-organic dispersion media. 362158
Chekhovskij, V.Ya.
Properties of tungsten-rhenium solid solutions. 349528
Chekhovskoi, V.Ya.
Standard samples for dilatometry. 354490
Chekhovskoj, V.Ya.
Experimental study on thermal expansion of a number of structural materials. 375874
Investigation into the electric conductivity of tungsten-rhenium alloys in the range of concentration anomaly. 378755
Study on thermal expansion mean coefficient of tungsten-niobium system. 375912
Tantalum enthalpy in the temperature range from 2400 deg K to melting point. 369905
Thermal expansion of molybdenum. 370019
Chekin, B.S.
Shock adiabates at ultrahigh pressures. 355933
Chekmarev, A.M.
To the problem on the complex zirconium disulfate tetrahydrate structure. Studying infrared spectra. 369609
Chekmarev, V.P.
Specific features of forming one-impulse spin echo in nuclear systems with big dynamical frequency shift. 350723
Chekotilo, L.V.
Electroslag remelting effect on the weldability of chromium-nickel steel-Kh16N15. 359875
Chekushin, A.Sh.
Corrosion behaviour of metals in the production of lead. 359837
Chela-Flores, J.
Atomic order in liquid helium II. 366792
Chelebaev, A.K.
Experimental investigation into the PVT parameters of cesium vapor. 370067
Chelebayev, A.K.
Density of caesium at high pressures and high temperatures. 375904
Chelemer, H.
Consideration of uncertainties in the specification of core hot channel factor limits. (WCAP – 9181) 373841
Chelkowski, A.
Electron paramagnetic resonance in HgCrsub(2-x)Alsub(x)Se_4. 377211
Investigation of EPR line width in $CdCr_2S_4$ monocrystal near Curie point. 377205
X-ray study of ordering on crystallographic sites in intermetallic alloys Gd(Alsub(1-x)Mnsub(x))$_2$. 378736
Chell, G.G.
Development in fracture mechanics and failure assessment. 370814
Chellew, N.R.
Chemical Engineering Division fast-neutron dosimetry annual report, July 1975 – June 1976. (ANL – 76-104) 361556
Chelmicki, L.
On the luminosity of a two-crystal diffractometer. 358345
Chelnokov, L.P.
Angular correlation method for measurement of characteristics of heavy ion reaction products. (JINR-R – 7-10671) 376669
Pulsed analog-to-digital converter in the CAMAC standard. 361086
Chelnokova, N.K.
Studying structure characteristics of Zr_5Al_4(h) intermetallic compound. (INIS-mf – 3839) 367255
Chelyadinskij, A.R.
Change of the lattice period of gallium arsenides irradiated with neutrons during annealing. 348848
Chelyustkin, A.B.
Improvement in quality of hot-rolled thin band. 369854
Cheminat, B.
Numerical solution of the Abel integral equation: application to plasma spectroscopy. 377330
Chemnitz, G.
Quasi-elastic scattering of 60MeV protons on deuteron clusters in ^{6}Li and ^{7}Li nuclei. (JINR-E – 1-8935) 356564
Chen-Stute, A.
^{131}I labelled toluidin blue for differentiating between liver and bile duct diseases. (INIS-mf – 4010) 367617
Chen, C.
Crash construction for protection against airplane crashes. 370602
Chen, C.C.
New thermoluminescence techniques for mineral exploration. 375997
Chen, C.H.
Charge transfer and Penning ionization of N_2, CO, CO_2, and H_2S in proton excited helium mixtures. 358723
Kinetics studies of Ne – N_2 by proton excitation. 350590
Chen, C.K.
Lepton-pair production and the modified Drell-Yan mechanism in high-energy unpolarized and polarized pp and p anti p collisions. 372382
Properties of the reaction anti pp→$K^+K^-\pi^+\pi^-$ at 2.32 GeV/c. 369366
Significance of high energy spin effects in constituent pictures. (ANL-HEP-CP – 77-46) 361779
Chen, C.W.
An electron-microscopy study of neutron-induced defect clusters in niobium. 375945
Chen, F.
High resolution studies of extensive Ne L-shell excitation by energetic heavy ion impact. 358849
Studies of neon L-shell excitation by impact of highly ionized heavy ions. 358824
Chen, F.F.K.
Mechanical design for TMX injector system. (UCRL – 79753) 374810
Chen, F.K.
Measurement of the screening of swift charged particles in solids through cluster Coulomb explosion. 358772
Chen, F.W.
Thyroid cancer after irradiation. 352045
Chen, G.
Acceleration and modulation of electrons and ions by propagating interplanetary shocks. 372113
Chen, G.K.C.
Fiber-bed separator and method to separate aerosols from gases without entrainment. (German (F.R.) patent document 2657939/A/) 367937
Chen, H.
Soliton generation at resonance and density modification in laser-irradiated plasmas. 371785
Chen, H.H.
Soliton formation and saturation of decay instability of an electromagnetic wave into two plasma waves. 366512
Chen, H.L.
Relaxation of neodymium in a weakly ionized expanding plasma. (UCRL – 79953) 366513
Vinyl ether hydrolysis. IX. Isotope effects on proton transfer from the hydronium ion. 378320
Chen, J.C.
Heat transfer and fluid dynamics in a volume-heated boiling pool. (CONF-761001 – P4) 362941
A phenomenological correlation for post-CHF heat transfer. (PB – 269686) 365532
Chen, J.T.
Investigation of the effects of rf fields on superconducting Pb films with quantized resistances. 359928
Chen, K.
Three-dimensional numerical simulation of LMFBR outlet plenum mixing. 352778
Chen, K.-Y.
Gas stream in Algol. 372140
Chen, K.H.
Heat and mass transfer of multi-spray unit cooling system in open atmosphere. 363457
Chen, K.I.
EUV impurity study of the Alcator tokamak. (COO – 2711-3) 359032, 374862
Chen, K.W.
Dimuon and trimuon final states in deep inelastic muon scattering. 359335
Experimental Hall design considerations. (ANL-HEP-CP – 77-50) 365736
Chen, L.
Alfven instability and micromagnetic islands in a plasma with sheared magnetic fields. (PPPL – 1358) 358957
Drift-modified tearing instabilities due to trapped electrons. 350814
Eigenmode description of the hot ion cyclotron beam-whistler mode instability in parallel shock waves. 350856
Lower hybrid parametric instabilities: Nonuniform pump waves and tokamak applications. 364170
Nonlinear saturation of the dissipative trapped-electron instability. 358925
Stability and magnetic tearing of finite-β modified drift waves. (PPPL – 1376) 364179
Chen, M.
Clad relocation dynamics: the physics and accident evolution implications. (CONF-761001 – P4) 363027
Chen, M.H.
Refined ab initio relativistic electron binding energy and Auger transition-energy calculations. 368617
Refined ab initio relativistic electron binding-energy and Auger transition-energy calculations. 376989
X-ray and Auger transition probabilities to the 2p state of multiply ionized sulfur and chlorine. 358733, 376995
Chen, M.S.
Kinetic and photochemical studies and alteration of ultraviolet sensitivity of Escherichia coli thymidine kinase of halogenated allosteric regulators and substrate analogues. 362639
Chen, N.
Inverse iteration on defective matrices. 353016
Chen, N.C.J.
Drift-modeling and monitoring comparisons. (CONF-770151 – 5) 379224
Chen, N.S.
A facility for in vivo measurement of kidney and liver cadmium by neutron capture prompt gamma ray analysis. 359575
In-vivo measurement of kidney and liver cadmium by neutron capture prompt gamma-ray analysis. (BNL – 23632) 378176
Chen, S.
Effect of fluid viscosity on coupled tube/fluid vibrations. (ANL-CT – 77-24) 352483
Experimental studies of the large Debye length probe theory in a continuum plasma. 371909
Flow-induced vibrations of circular cylindrical structures. (ANL-CT – 77-32) 358281
Hypersonic sound velocities in aqueous salt solutions. 368531

Chen, S.-L.
A magnetically shielded sampling technique for plasma diagnostics in a medium-pressure magnetoplasma. 364178
Chen, S.H.
Inverted geometry TOF spectrometer at the ZING-P pulsed neutron source prototype. 355584
Chen, S.S.
Acoustically induced vibration of circular cylindrical rods. 363516
Crossflow-induced vibrations of tube banks: hydrodynamic forces and mathematical models. (CONF-770519 – 3) 358056
Chen, T.
^{131}I labelled toluidin blue for differentiating between liver and bile duct diseases. (INIS-mf – 4010) 367617
Diverging solitons and their transition to dispersive waves. 348896
Myocardial blood flow and ventricular function as a combined study in routine diagnostics. (INIS-mf – 4010) 362806
Pseudoscalar transitions between high-spin resonances. 372454
Chen, T.J.
Scintillator. (German (F.R.) patent document 2629187/A/) 376613
Chen, T.M.
G-R noise and microscopic defects in irradiated junction field effect transistors. 358457
Chen, W.L.
Evaluation of the distribution of absorbed dose in pediatric phantoms exposed to diagnostic medical x rays. (ORNL – 5171) 367520
Multichannel cladding relocation model for loss-of-flow accidents in LMFBRs. 352248
A simple forced diversion model for study of thermal-hydraulic transients in LMFBR subassembly. 374240
Chen, W.Y.
Effect of conductor self-shielding on eddy current losses. (GA-A – 14454) 361512
Parallel connecting poloidal coil system for a doublet tokamak fusion reactor. (GA-A – 14248) 372060
Time dependent study of eddy current loss in a superconducting composite. (GA-A – 14631) 371786
Chen, Y.
Radiation-induced mobility of substitutional hydrogen in MgO. 362530
Chen, Y.-F.
Optimal power profile fuel management. 365881
Chen, Y.B.
Coolant mixing in the LMFBR outlet plenum. (COO – 2245-44TR) 363501
Validation of turbulence models for LMFBR outlet plenum flows. 371015
Chen, Y.H.
Enhancement of neutron yield from Focus devices. (INIS-mf – 3963) 371787
Chen, Y.S.
Reflood simulation study of the FLECHT-SET system using RELAP4/MOD6. 352207
Chenakyin, S.P.
Relative sensitivity of the analysis by secondary ion-ion emission method. 348855
Chenault, R.
Preliminary results on the use of a high output automatic reader for personal radiothermoluminescent dosimeters. 355577
Chencinski, N.
Synthesis of the $Nb_3(Al-Ge)$ system by sputtering. 359906
Chenebault, P.
Emission of fission gases by failed coated oxide fuel particles. 365941
Chenevert, G.M.
A tritium gas target as an intense source of 14 MeV neutrons. 355176
Chenevert, T.L.
Performance of a spiralled continuous electron multiplier in a magnetic field. 368337
Cheng, A.F.
Crab pulsar model: X-ray, optical, and radio emission. 359065
Pulsar magnetospheres and emission mechanisms. 364296
Cheng, C.-C.
Evolution of the high-temperature plasma in the 15 June 1973 flare. 372134
Cheng, C.M.
Optical potential for $^{12}C + {}^{28}Si$ scattering. 362046
Cheng, C.P.
Determination of the ratio of the nuclear electric quadrupole moments of ^{97}Mo and ^{95}Mo by nuclear quadrupole double resonance spectroscopy of $Mo(CO)_3P(C_6H_5)_3$ and CIS-$Mo(CO)_4[P(C_6H_5)_3]_2$. 355958
Cheng, C.Z.
Integration of the Vlasov equation for a magnetized plasma. 350815
New three-dimensional simulation models for cylindrical and toroidal plasmas. 366514
Theory and numerical simulations on collisionless drift instabilities in three dimensions. 374812, 377372
Cheng, D.C.
Description and performance of MEA, the magnetic detector at ADONE. 379480
Cheng, D.Y.
A conceptual fusion reactor based on the high-plasma-density Z-pinch. 348921
Cheng, E.T.
Influence of design variations on controlled thermonuclear reactor blanket neutronic performance using variational techniques. 361514
Neutronics studies of the gas-carried lithium oxide cooling – breeding fusion reactor blanket and shield. 361513
Cheng, E.T.C.
Application of variational methods to fusion reactor blanket studies. 361515
Cheng, F.T.
The equation of polarization transfer in an inhomogeneous magnetized plasma. II. 371857
Cheng, L.
Polonium and plutonium in an intertidal food chain. 357628
Cheng, L.C.
Transient analysis of a permeable thermal barrier system. 358247
Cheng, T.
Comment on Q mesons. 359284
Comments on a V – A theory of muon-number nonconservation. 372384
Muon-number-nonconservation effects in a gauge theory with V + A currents and heavy neutral leptons. 372383
Cheng, Y.Y.
H/D exchange in electrolytic reduction reactions of phenyl ketones. 362175
Chenier, D.M.
International exchange of safety and licensing information. 371324
Chenion, Jacques
Iron ore and graphite acoustic emission. (CEA-CONF – 4029) 370787
Chenoweth, W.L.
Uranium in the San Juan Basin: an overview. (TM – 198) 370254
Chentsov, V.N.
Investigation into thermodynamic stability of $AlWO_4$ and reaction between Al_2O_3 and WO_2 at higher temperatures. 369660
Chenyak, Yu.M.
Study of hydrogen adsorption by birch activated carbon in the temperature range from 20.4 to 44.K. (KFTI – 75-10) 352378
Cheo, B.R.
Propagation of nonlinear waves along a magneto-plasma column. 350885
Chepak, V.P.
g-factors of the 2679 keV, 21/2sup(+) sup(107)Cd and 2737 keV, 27/2sup(+) sup(135)La three quasi-particle states. 378031
Chepel', L.V.
Pilot-industrial production of radiation-modified thermal-shrinkaged "Termoplen" film. (INIS-mf – 4194) 376283
Using accelerated electrons for modification of polyethylene film surfaces by the radiation grafting technique. (INIS-mf – 4194) 376288
Chepeleva, I.V.
EPR of activated cubic ZrO_2 and HfO_2 monocrystals. (INIS-mf – 3955) 377187
Chepenko, B.A.
Investigation of cerium-144 sorption on ion-exchange resins from simulated sea water. 365019
Chepigin, V.I.
Experiments to produce isotopes of superheavy elements with atomic numbers 114-116 in ^{48}Ca ion reactions. 372801
Chepovoj, V.I.
Investigation of cerium oxidation with ozone in sulfuric-acid solutions. 359592
Chepur, D.V.
Composition of molecular beams formed during the evaporation of antimony sulphoiodide. 349256
T-p-x phase diagram of SbSIsub(x)Brsub(1-x) solid solutions. 350715
Chepurnov, V.A.
After-heat and fragment capture cross-sections in thermal reactors. 379537
Cher, L.
KORAN spectrometer on the IBR-30 reactor. (JINR – 14-9486) 355530
Cherdantsev, P.A.
Cross-section of compound nucleus production in heavy ion reactions. 377943
Energy dependence of prompt neutron number from fission fragments. (INIS-mf – 3896) 356561
Polarizability of nuclear matter in a fissile nucleus and charge distribution of fission fragments. (INIS-mf – 3896) 356562
Preequilibrium energy distribution of neutrons. 362001
Qualitative specific features of nuclear fission dynamics. (INIS-mf – 3896) 356560
Statistical description of pre-equilibrium processes in nuclei. 377852
Cherednichenko, A.E.
Effect of a surface state on anomalies in exciton spectra of CdS monocrystals at 4.2 K. 374673
Cheremnykh, P.A.
On the effect of stationary magnetic fields up to 15 T on the spectrum of transverse photocurrent in p=InSb. 374653
Cheremushkina, A.V.
Hall effect and transversal magnetoresistance in invar iron-nickel alloy single crystals at low-temperatures. 378580
Hall effect in rhenium single crystals at low temperatures and under hydrostatic pressure. 369976
Magnetic susceptibility of niobium and tungsten. 349486
Cherepanov, E.I.
Kinetics of phase growth in the thin-film Mo-Al system. 349463
Cherepanov, V.I.
EPR investigation of ferroelectric phase transformation in lead germanate activated with trivalent gadolinium. (INIS-mf – 3955) 377286

Cherepanov, V.P.
Monitor of beam position. 379487
Cherepanov, Yu.A.
On cross-sections of interaction of relativistic alpha-particles with nuclei. (JINR-R – 1-10592) 375151
Cherepashchuk, A.M.
The β Persei – X-ray source of a new type. 361729
The eclipsing system V 444 CYG(WN 5+06) in the light of emission lines He2 4686, (He2+Hsub(α)) 6563, N4 7112. 374923
Cherepin, V.T.
Content of interstitial elements on the surface of molybdenum sheet stratifications. 359904
Secondary ion emission from concentrated alloys and compounds. (INIS-mf – 3996) 363980
Study of lithium diffusion by dislocations in Mo, W and their alloys. 354526
Cherepkov, G.V.
Kinetic and mechanism of solidphase reactions in the $BeO+SiO_2+V_2O_5$ mixture. 360026
Cherepkov, N.A.
Elastic scattering of slow positrons on atoms. (INIS-mf – 3915) 368606
Electron correlations in photoabsorption for beryllium isoelectronic sequence. 377102
Scattering of electrons by inert gas atoms with ejection of one or two electrons from the outer shell. 348736
Cherepyin, V.T.
Relative sensitivity of the analysis by secondary ion-ion emission method. 348855
Cheret, M.
Ionization of ammonia and deuterated ammonia by electron impact from threshold up to 180 eV. 366354
Partial and total electron impact ionization cross sections of NH_3. 368672
Cherevko, V.I.
On the choice of optimal geometric conditions in scattered gamma radiation measuring method. 367357
Cherfas, N.B.
Investigations on diploid radiation-induced gynogenesis in carp. 354770
Cherian, S.
Studies on P^{32} labelled nitrophosphates : Part I. (BARC – 896) 375651
Cherkasov, R.A.
Use of diethyldithiophosphoric acid for extraction-polarographic determination of some metals. 375232
Cherkasov, V.K.
Thermal decomposition reaction of dicyclopentadienyl derivatives of vanadium. 357053
Cherkasov, V.N.
Calculation of linear molecules using cylindrical oscillator functions. 361343
Cherkes, A.I.
Unithiol – a cobalt antidote. (KFK-tr – 529) 351477
Cherkesov, A.I.
Beryllium and aluminium complexing with morphocycline. (INIS-mf – 4192) 375240
High-selective reaction for extraction-photometric determination of titanium (4). 364856
On the prediction of properties of heavy elements from their hyperbolic dependence on nuclear charge. 359593
Cherkezishvili, L.I.
Investiagtion into nuclear-chemical processes on gas-solid boundary. 373037
Cherkis, Yu.Yu.
Phase composition and properties of nitrided layer of low carbon stainless steels. (INIS-mf – 4046) 369920
Chermak, V.
Penning electron spectroscopy of multiatom molecules. (INIS-mf – 3915) 348659
Chermanne, J.
A European assessment of gas-cooled breeder reactor safety. (CONF-761001 – P1) 362886
It is now time to proceed with a gas-cooled breeder reactor (GBR) demonstration plant. 379743
The need for high-performance breeder reactors. 365992
Chernakov, G.A.
Welding of isothermic extraction apparatuses of phosphoric acid from iron-nickel 03KhN28DT (EhP516) alloy. 362358
Chernenko, L.I.
EPR of Mn^{2+} in semiconductor crystals of the $A^2B^4C_2^5$ type. 348760
Chernenko, V.I.
Technique for determining relaxation resistance of metals and alloys. 373180
Chernetskij, V.D.
Fabrication of targets from solid hydrogen for laser thermonuclear fusion. 374838
Chernievskij, V.K.
Spin flip probability of 6.9 MeV protons in inelastic scattering on ^{24}Mg. 378046
Chernikov, A.A.
Plasma parametric resonance in the non-monochromatic pump-wave. (INIS-mf – 3963) 371714
Chernikov, A.G.
Use of geophysical methods for determination of physico-mechanical properties of coal-bearing rocks in wells of the Vorkutskoye field. 367366
Chernikov, N.A.
An example of the two-body relativistic problem. I. Genaral method and nonrelativistic model. (JINR-R – 2-10375) 376900
Torsion tensor and covector in a unified field theory. (JINR-D – 2-9788) 374551
Chernikov, S.S.
Some properties of high-dispersed SiO_2, GeO_2, NoO_3 producted by plasmochemical method. 369610
Chernikov, V.I.
Fast vacuum lock. (JINR-R – 9-10836) 367958
Chernilin, Y.F.
Nuclear data for nuclear fusion devices. (KFK-tr – 545) 368924
Chernin, A.F.
Hidden mass in galaxies. 351005
Chernin, D.P.
Ion losses from end-stoppered mirror trap. 371788
Chernobaj, V.A.
Statistical methods of research in many particle systems. 349104
Chernogaj, V.A.
Statistical methods of research in many particle systems. 348801
Chernoplekov, N.A.
Effect of tantalum and tungsten impurities on the phonon spectrum of vanadium. 368883
Formation of quasilocal vibrations in dilute Vsub(1-x) Ptsub(x) alloys on strong alteration of the phonon spectrum of V. 374777
Some problems for constructing of circulation superconducting magnetic systems. (IAE – 2397) 349991
Chernousova, G.A.
Extraction of platinum metals by alkyl anilines from solutions of chlorination of industrial copper-nickel half-finished products. 362180
Chernoutsan, A.I.
Charge distribution in anomalous nuclei. 369455
Chernov, A.A.
Formation of secondary electrons from intruding electron beams and their radioactive emission in auroral ionosphere. (INIS-mf – 3915) 349674
Chernov, A.P.
Damage to the edge of steel stampings and abrasive during ultrasonic hydroabrasive machining. 357215
Investigation into glasses of P-Se and As_2Se_3-InI_3 systems by infrared spectroscopy. 378234
Phase diagrams of As_2Se_3-InI_3 and As_2Se_3-GeI_4 systems. 351478
The radiometric enrichment of poor uranium ores. 365115
Chernov, D.B.
On vanadium solubility in α-Ti. 378700
Chernov, G.M.
A study of inelastic pion-nucleus interactions at 200 GeV/c in an emulsion. 356481
Chernov, I.
Determination of the lattice location of ^{16}O implanted into Si and Ge crystals. (INIS-mf – 3996) 363981
Lattice location of ^{16}O implanted in Si crystals by backscattering. 371577
Chernov, I.I.
Nickel alloys and stainless steels peeling during ion irradiation. (INIS-mf – 3954) 362557
Steels and nickel alloys sputtering during deuterium ion irradiation. (INIS-mf – 3954) 361422
Chernov, I.P.
Development of nuclear-physics methods of elemental analysis of semiconductor materials and articles from them. (INIS-mf – 3994) 378099
Chernov, P.V.
Kinetics of recombination of hole centers and electrons of admixtures in CaF_2: rare earth ion and SrFr: rare earth ion crystals. (INIS-mf – 3955) 377224
Chernov, S.A.
Processes of generation and destruction of f centers in a KCl crystal at pulsed irradiation. 377152
Chernov, V.K.
The effect of visible radiation and an electric field on ferromagnetic resonance and photoconductivity in $CdCr_2Se_4$. 364106
Chernov, V.L.
Energy loss straggling of protons and helium ions in carbon. 371563
Chernov, V.M.
Effect of radiation on the deformation of structural materials. (INIS-mf – 4190) 375946
Chernov, V.Yu.
Particularites of wetting of steels with solders during heating in autovacuum. 359881
Chernova, G.S.
Investigation of the ferroprobe coercitivity meter KIFM-1 with various shoes for inspection of tubes. 373154
Chernova, M.A.
Use of radioactive tracer for investigation into distribution of polyacrylic acid grafted onto polyethylene. 362259
Cherns, D.
The surface structure of (111) gold films sputtered in the high voltage electron microscope. 365233
Chernukha, V.V.
Neutron-physical characteristics of fusion pulsed reactors. (INIS-mf – 3954) 361517
On propagation of burning in a wall-limited thermonuclear fuel with variable density. (INIS-mf – 3963) 353537
PUlse thermonuclear breeder for technological heat production. (INIS-mf – 3954) 361516
Chernyaev, V.A.
Nuclear energy centres and the economic and ecological problems

of nuclear power development. 368445
The use of nuclear reactors for centralized heat supply and district heating. 371216
Use of nuclear reactors to produce high-temperature heat for energy-intensive industrial processes. 366129
Chernyaev, V.G.
Viscosity and electric conductivity of V_2O_5-KVO_3 melts. 351534
Chernyak, E.Ya.
Periodical structure development on tungsten crystal surface during mass transfer in the temperature gradient field. 378757
Chernyak, G.S.
Effect of ultrasonic treatment of liquid melt on micro-chemical inhomogeneity and plasticity of nickel base heat resisting alloys. (INIS-mf – 3914) 349523
Chernyak, Y.B.
On a fitting technique approach in potential scattering theory. 348578
Chernyak, Yu.M.
On the adsorptive capacity of birch activated carbon. (KFTI – 75-10) 352379
Chernyakhovskij, V.V.
Migration energy of intrinsic point defects in defferent charge states in germanium and silicon. 361438
Chernyavskij, A.F.
Device for flattening the intensity of random event fluxes at the multi-channel analyzer input. 358415
Techniques for measurement of pulse time positions of radiation detectors. 379156
Chernyavskij, M.M.
Comparison of experimental distributions of rapidity intervals in inelastic πp interactions at 60 GeV with the multiperipheral cluster model. 369341
A study of inelastic pion-nucleus interactions at 200 GeV/c in an emulsion. 356481
Chernyj, A.G.
On plotting curves of hardening in plastic steels under cold deformation. 357211
Chernyj, B.P.
Vanadium refinement by crucible-less vacuum distillation. (KFTI – 75-10) 354483
Chernyj, S.S.
Study on dispersity of radiactive aerosols at the Novo-Voronezh nuclear power plant. 361101
Chernykh, E.V.
Block data transmission in the CAMAC standard. (JINR – 10-8614) 350377
CAMAC countroller for the multipurpose driver with the ES-1010 computer. (JINR – 10-8971) 368347
IKR-10 interface device for switching on to programming channel of the ES 1010 computer. (JINR – 10-9019) 358437
Module for the EC-1010 computer control of the CAMAC universal driver. 376728
Register reading with nonzero infiormation in the CAMAC modules in the address scanning regime. (JINR – 10-8615) 361085
Chernykh, O.A.
Motion of test particles in the Kerr space. 369197
Chernysh, B.P.
Specific features of weld formation in arc welding of titanium using electromagnetic stirring. 369876
Chernyshenko, V.Ya.
The "Grad-2" facility for ultrahigh vacuum production. (KFTI – 75-10) 357909
The choice opf a facility for the determining of the cryogenic deposit absorptivity. (KFTI – 75-10) 357910
Cryogenic vacuum system of the "Jupiter-2T" facility: project and model experiments. (INIS-mf – 3954) 361549
High-purity preevacuation vacuum pumping. (KFTI – 76-21) 357911
Chernyshev, A.A.
Mechanical chopper-monochromator with replaceable rotors. 376331
Chernyshev, B.A.
Energy sensitivity of the ionization method of measurement of the energy loss of heavy charged particles. (INIS-mf – 3996) 364633
Semiempirical approach to the inelastic energy loss of ions. (INIS-mf – 3996) 364629
Chernyshev, G.I.
Experience in application of electric radioisotopic injector ERI-I to study pumping wlls in the Samotlorskoe field. 349662
Chernyshev, V.I.
A new radio source in the Monocerotis. 377627
Chernyshev, V.V.
Formation and structure of barrier type anodic oxide films on beryllium. 351479
Chernysheva, A.S.
Effect of non-stationary state of γ approximately Al_2O_3 surface on radiation-catalytic decomposition kinetics of N_2O. 373047
Effect of non-steady state of γ-Al_2O_3 surface on kinetics of radiation-catalytic decomposition of N_2O. 369784
Chernysheva, L.V.
Elastic scattering of slow positrons on atoms. (INIS-mf – 3915) 368606
On software for atomic calculations "Atom". (INIS-mf – 3915) 348660
Chernyshevich, V.N.
Polarized neutron intensive beam on a vertical reactor channel. 371063
Chernyshov, V.P.
Reaction of zirconium-containing chloride-fluoride melts with liquid zinc-aluminium alloys. (INIS-mf – 4193) 375600
Chernyshova, T.A.
Comparison of the method of evaluation of tendency to hot cracks of weld metal. 349410
On the effect of welding conditions and welded sample rigidity on intergranular slipping in welded joints. 357212
Cherrel, R.
Magnetic susceptibility of $TRMo_6S_8$. 377692
Cherrington, B.E.
Potential well formation in electrostatic confinement devices. Technical progress report. (COO – 2323-6) 364180
Study of the acceleration, focussing and bunching of ions by electronic space charge for pellet fusion. Technical progress report. (COO – 2765-5) 356165
Theory of the multiple potential well structure created by bipolar injection in spherical geometry. 371789
Cherry, B.H.
Outlook for uranium and enrichment supply in the United States. 351923
Cherry, R.N. Jr.
Spins of resonances in the ^{12}C + ^{16}O system. 362104
Cherry, W.R.
Solvent isotope effect on the fluorescence of azoalkanes. 372981
Chertkov, A.A.
Synthesis and some properties of vanadium and niobium dihydrides . 359673
Chertkov, A.D.
The structure of the solar flare stream magnetic field. 356305
Chertkova, V.F.
Two-stage method for radiation vulcanization of moulded mechanical rubber articles using electron accelerator. (INIS-mf – 4194) 376291
Chertock, A.J.
Locked-wrap fuel rod. (US patent document 4,005,521/A/) 352761
Chertok, B.T.
Measurement of the electron – deuteron elastic scattering cross section in the range 0.8 less than or equal to q^2 less than or equal to 6 GeV^2. (SLAC-PUB – 1596) 361869
Chervenyuk, G.I.
Sb-Se-I system. 378235
Chervinskaya, A.F.
Morphological changes in the central nervous system in dogs repeatedly irradiated, at early age, with incorporated radiophosphorus. 349777
Chervinskij, V.A.
Tritium-titanium targets for nuclear physical research. 360570
Chervinskij, V.F.
Internal friction in stainless maraging steels. 349472
Chervinskij, Yu.F.
Density, surface tension and viscosity of melts of uranium trichloride-lithium chloride. 349320, 359727
Transport properties in molten mixtures of uranium trichloride with alkali metal chlorides. (INIS-mf – 4193) 375628
Chervonenkis, A.Ya.
Natural antiferromagnetic resonance in domain walls of thulium orthoferrite near the reorientation temperature. 368821
Sloping cylindrical domains in $YFeO_3$. 358906
Chervonenkov, V.A.
Hot rolling conditions of unyielding VZh101 chromium-nickel alloy. 369855
Structure and mechanical properties of hot rolled bands of the KhN56VMTYu heat resisting alloy. 351813
Chervonnyj, A.D.
Energies of atomization of rare earth chlorides. 378236
Chervu, L.R.
Quality control of technetium-labelled lung imaging agents. 373011
Chervyakov, V.V.
Measuring the bimetal plates sagging under high-temperature heating. 358020
Chesalina, L.A.
Thermodynamic properties of beryllium hydrooxide. 375489
Chesne, A.
Advances made in areas of relevance to the treatment of gaseous effluents from reprocessing plants. 358474
Progress in areas of relevance to the treatment of gaseous effluents from reprocessing plants. (BNWL-tr – 253) 352854
Chesnokov, A.V.
Ion-ion hybrid resonance and Alfven waves in tokamak TM-1-HF. (INIS-mf – 3963) 372073
Chesnokova, D.B.
Study on electrically active intrinsic defects in zinc telluride monocrystals. 374691
Chesnokova, E.F.
Spectroscopic determination of isotopic composition of nitrogen when N^{15} concentration is lower than natural content. 375303
Chesnova, S.I.
Optimization of the meson-producing target position in a chamber of a phasotron with a spatial variation of a magnetic field. (JINR – 9-9078) 350095
Chesnutt, J.C.
Effect of α-phase morphology and distribution on the tensile ductility of a metastable beta titanium alloy. 351737
Chesnyi, A.S.
Elastic scattering of fast electrons by highly polar molecules. 361344
Chester, C.V.
Emergency technology program. (ORNL – 5171) 367742
Chester, T.J.
Mass determination of Hercules X-1. 350978
Chestnov, A.M.
Pulsed plasma electron source. 376359

Chetaev, M.P.
A superconducting quantum interferometer. (KFTI – 75-33) 353215
Chetal, A.R.
Shapes of x-ray L/sub III/ and K absorption discontinuities of rare earth and cobalt in the rare earth cobalt compounds of the RCo_2 family. 357321
Chetioui, A.
High velocity symmetric and non symmetric collisions with 200 MeV Fe ions – Influence of target thickness. 353345
Chetty, K.G.
Effect of whole-body X-irradiation on rat liver protein synthesis at translational level. 367485
Chetverina, R.B.
Investigation of dependence of ion-exchange properties of modified zirconium phosphate on quality of initial oxozirconium nitrate. 351480
Chetyrkin, K.G.
Are additional heavy quarks necessary to explain the observable behaviour R(s) observable behaviour R(s). 369304
Construction of the effective potential in the quantum field theory with temperature. 348596
Cheung, F.B.
Freezing: controlled penetration of a saturated liquid into a cold tube. 362915
Interactions of LMFBR core debris with concrete. (CONF-761001 – P4) 362857
Cheung, L.
Wave analysis of the tokamak drift mode. 350816
Cheung, L.M.
Calculation of transition frequencies for H_2^+ and its isotopes to spectroscopic accuracy. 350575
The group-coordinate relaxation method for solving the generalized eigenvalue problem for large real-symmetric matrices. 371469
Chevallier, A.
Alpha radioactivity of E>11 MeV in nature. 354167
Spin and g-factor of the 40keV level in ^{45}Ti. (CRN-PN – 77-2) 354269
Chevallier, J.
Alpha radioactivity of E>11 MeV in nature. 354167
Experimental evidence for electron correlation effects in hopping conduction at low temperatures. 359894
Spin and g-factor of the 40keV level in ^{45}Ti. (CRN-PN – 77-2) 354269
Chevela, O.B.
Investigation of certain mechanical properties of sprayed material. 367267
Low-temperature transformation in nichromes. 375893
Cheverton, R.D.
Experimental verification of thermal shock analysis. (CONF-771126 – 4) 373795
Pressure vessel fracture studies pertaining to a PWR LOCA-ECC thermal shock: experiments TSE-3 and TSE-4 and update of TSE-1 and TSE-2 analysis. (ORNL/NUREG – 22) 373796
Thermal shock studies associated with injection of emergency core coolant in pressurized water reactors. (CONF-770807 – 29) 357745, 379225
Chevokin, V.K.
Electron-optic methods with the use of plastic scintillators for studies in the x-ray region. 353530
Chevreau, T.
Mechanism of cyclopropane hydrogenolysis on metal catalysts. III. Deuteroloysis, isomerization, and cracking of gemdialkylcyclopropanes. 369611, 369612, 369613
Chevrel, R.
Solid solutions Pb/sub y/Mo_6X/sub 8-x/Z/sub x/ and Mo_6X/sub 8-x/Z/sub x/ (X,Z = S, Se, Te) and their superconducting properties. 351854
Chew-Lim, M.
The effect of irradiation on demyelination induced by a virulent Semliki Forest virus. 367486
Chewning, J.S.
Meeting the manpower challenge in the transfer of nuclear power to developing countries. 371314
Chhonkar, R.P.S.
Larmor radius effects on the gravitational instability of a two-component plasma. 366515
Chi, J.W.H.
Conceptual studies of toroidal field magnets for the tokamak experimental power reactor. Final report. (ORO – 5153-1) 361508
Fusion-driven actinide burner design study. Second quarterly progress report. (WFPS-TME – 024) 366516
Selection of a cryostabilized Nb_3Sn conductor cooling system for the large coil program. (CONF-771029 – 91) 371790
Chi, R.K.
An evaluation of Tween 80 effects on the survival and DNA repair in Escherichia coli following UV or gamma irradiation. 373496
Chia, T.T.
Effect of gravitational radiation on the evolution and spins of binary systems. 366681
Equivalence of some integrals of the radiation theory. 348579
On the mass-radius relation in close binary systems. 366680
Chiang, C.C.
Muon-neutrino electron scattering in the theory of pure leptonic weak interaction with induced shadow states. 359237
Chiang, C.K.
Anisotropic Meissner effect in the linear-chain mercury compound Hg/sub 2.86/AsF_6. 360052
Chiang, D.
Cross sections relevant to gamma-ray astronomy. (RLO/1388 – 362) 372714
Inelastic scattering of pions to the continuum. (RLO/1388 – 362) 372729
Ratios of ^{11}C activations induced by pions on various targets. (RLO/1388 – 362) 372697
Chiang, D.D.
Residual stresses in Peach Bottom test elements analysis vs experiment. (GA-A – 14329) 358254
Chiang, H.C.
Effective interaction and energy spectra in the vicinity of ^{208}Pb. 375103
Effective two-body interaction in the vicinity of doubly closed shells. 364791
Chiao, R.Y.
Inverse ac Josephson effect voltage standard. 367920
Chiarella, V.
Drift chambers. Operating principles and problems. (INFN-LNF – 77-4(R)) 371085
Chiarena, J.C.
Chemisorption of carbon monoxide on the (110) face of molybdenum. I. 354512, 357275, 359930
Chiavassa, E.
Measurement of the differential cross section for $\pi^-p \rightarrow \pi^0n$ around the $\Delta(1232)$ resonance and test of the charge independence principle. 362072
Chiba, J.
Structure of the transitional nucleus ^{149}Eu. 372796
Chiba, Ren
Isotope separation of argon by axial flow turbo-machine, (1). 372952
Chibiskova, N.T.
Preliminary data on $CsTb(PO_3)_4$ crystal structure. 369685
Chibisov, G.V.
Zero eddies and galaxy formation. 374890
Chibisov, M.I.
Ion-atom interaction in quasiclassical approximation. (INIS-mf – 3915) 348661
Penning ionization by nonmetastable atoms. 368723
Two-electron exchange interaction of atoms and ions. (INIS-mf – 3915) 348693
Chibisov, N.P.
Investigation into the influence of U_{92} chemical state on the energy of X-ray emission L-transitions. 349327
Chick, S.W.K.
Hydrospheric trace elements and their application in tracing water pollutants. 379226
Chida, K.
Cross sections of the ^{63}Cu(p, 3n)^{61}Zn and the ^{63}Cu(p, p3n)^{60}Cu reactions. 359512
Chida, Katsuhisa
On-line isotope separator of SF cyclotron in the Institute of Nuclear Study, University of Tokyo. (KURRI-TR – 145) 379488
Chidley, B.E.
Preliminary experience with the new Harwell inactive vitrification pilot plant. 358495
Chien, C.F.
Decay of reverberant sound in a spherical enclosure. 371352
Chien, C.Y.
Small angle single arm spectrometer. (BNL – 50611) 357949
Chien, W.S.
The ^{40}Ca(α,d)^{42}Sc reaction. 372797
Four-particle one-hole states in ^{43}Ca strongly populated by the ^{41}K(α,d) reaction. 372798
Quick change axial cold cathode ion source. 363296
Chieux, P.
A high-temperature furnace for small-angle neutron scattering. 350360
Chigal, V.
Role of surplus phases in stainless steels corrosion resistance. 349483
Chigrinov, S.E.
Calculation of cross-sections for the reactions (n,n'), (n,2n), (n,3n), (n,n'f), (n,2nf), (n,3nf) on the basis of the exciton model of pre-equilibrium nuclear decay. (INDC(CCP) – 113/U) 356619
High energy deuteron beam interaction with matter. (JINR-R – 2-7848) 349103
Reactions induced by high-energy particles and nuclei. (KFTI – 74-27) 354041
Chihara, Tsutomu
Irradiation of cancer of the uterine cervix and immunological mechanism. 354808
Chijiya, M.
Studies on fluoride volatility process for the reprocessing of LMFBR fuels. (IAEA-AG – 63-11) 362330
Chikaidze, I.V.
A technical test facility for the production of the isotope ^{18}O. (KFK-tr – 542) 376233
Chikhachev, A.S.
On the influence of magnetic field on relativistic electron spectra in a plasma turbulent reactor. 377637
Chikhladze, O.A.
Low-frequency electrooptical properties of lithium iodate crystals. 348843
Chikhladze, V.V.
Radiation effect on electrophysical properties of iron catalysts in synthesis of ammonia. 373368
Chikina, V.G.
Improvement of the cooling technology and heat treatment of electroslag- and arc vacuum melted ingots of strong trough structural steels. 375786

Chikkur, G.C.
Half-life of thorium-232: a laboratory experiment. 366970
Chikov, N.
Kinetic energies of fragments in first resonances of ^{235}U. (INIS-mf – 3896) 356741
Multilayer ionization fission chamber with cooling of the fissile targets down to 77°K. (LA-tr – 77-35) 358338
Chikovani, L.D.
Study on angular characteristics and multiplicity of secondary particles in cosmic hadron interactions with nuclei at mean energy 400 GeV. 361871
Chikryzova, E.G.
Application of phenyl-glicolic acid for rise of sensitivity of polarographic determination of titanium and molybdenum. (INIS-mf – 4192) 375241
Chiladze, B.G.
Four-prong π^-p interactions with π^0 production. Pt. 2. Cross section determination by statistical method; study on characteristics of proton and neutron production. (JINR-R – 1-8793) 364460
Chilardotti, G.
Experiments carried out in the RB-2 reactor by null reactivity oscillator method on HTR lattices. 360793
Chilcoat, B.R.
Method for applying pyrolytic carbon coatings to small particles. (US patent document 4,016,304/A/) 373313
Child, H.R.
New small angle neutron scattering (SANS) instrument at ORNL using a position sensitive area detector. (CONF-771031 – 6) 366047
Small-angle neutron scattering of reactor-irradiated niobium. (CONF-771031 – 7) 364614
Child, M.S.
Semiclassical methods in molecular collision theory. 361345
Childers, S.R.
Enkephalin: radioimmunoassay and radioreceptor assay in morphine dependent rats. 362807
Childs, E.L.
Waste management analysis for the nuclear fuel cycle: parts I and II. Progress report for period ending March 31, 1977. (RFP – 2667) 366085
Childs, J.D.
Elastic scattering of 17 MeV deutrons and a global deuteron-nucleus optical model potential. 372597
Childs, K.W.
HEXERE12: computer program for the transient thermal-hydraulic analysis of high temperature gas-cooled reactors. (K/CSD/TM – 3) 357773
Childs, W.J.
Complete resolution of hyperfine structure in the close doublet lambda5930.6 of ^{139}La by laser-atomic-beam spectroscopy. 350591
Laser-rf double-resonance measurement of the quadrupole moments of ^{95}Mo and ^{97}Mo. 377004
Chiles, M.M.
β-scintillation monitor for krypton-85 at high pressures. 363577
Chilton, G.R.
The application of thermochemical principles to the production of nuclear fuel materials. 375924
Chimenti, D.E.
Flux nucleation in the current-induced resistive state of superconducting Pb films. 366793
Chin, G.Y.
Correlation of textural and microstructural changes in deformed molybdenum single crystals. 357256
Chin, J.F.S.
NOAA carbon dioxide measurements at Mauna Loa Observatory, 1974-1976. 360468
Chin, S.A.
Relativistic many-body theory of high density matter. 372598
Chinarov, V.A.
On nature of high-energy peaks in the cross-sections of neutron collisions with ^{12}C nuclei collisions of neutrons. 354093
Chinen, S.
Enhancement of the rate of charge-exchange collisions in a He-Cd discharge. 350592
Ching, J.T.
Development of a nuclear engineering computer code workshop. 379601
Ching, W.Y.
Orthogonalized linear combinations of atomic orbitals. II. Calculation of optical properties of polymorphs of silicon. 359907
Chingpaisal, P.
The effect of CTAB on the radiation sensitivity of benzocaine to hydrated electrons and hydroxyl radicals in aqueous solution. 375678
Chinnov, V.F.
Experimental study on bremsstrahlung of electron in a helium atom field. (INIS-mf – 3915) 368609
Chino, K.
Analysis of radiant heat transfer in a BWR fuel assembly. 358197
Cooling mechanism during transient reflooding of a reactor fuel bundle after loss of coolant. 355371
Chino, Koichi
Fuel assembly. 350198
Chinowsky, W.
D meson production and decay in e^+e^- annihilation at 4.03 and 4.41 GeV c.m. energy. 353989
K^0 production in e^+e^- annihilation. 353983
Properties of the proposed tau charged lepton. 356517
Chinoy, N.J.
Effect of radiation on some enzymes and metabolites of sperm suspensions from testis and epididymis of rats. 352031
Chiodi, P.L.
Experiments carried out in the RB-2 reactor by null reactivity oscillator method on HTR lattices. 360793
Chiosila, J.
Uptake of radioactive strontium by fishes in relation to the calcium content of the water. 357629
Chiotti, P.
Preparation and characterization of sodium and transition metal double oxides. (CONF-760503 – P2) 352787
Chiou, H.H.
Suppression pool dynamics. Quarterly progress report 1 Oct 1976 – 31 Dec 1976. (PB – 267585) 357742
Chipley, K.K.
The full-scale cask program at ORNL. 350037
Obsolete cask program: oblique and center-of-gravity drop tests. (ORNL/TM – 1312(Vol.17)) 367953
Safety analysis report for packaging: the ORNL HFIR spent-fuel-element shipping cask. (ORNL/ENG/TM – 12) 374036
Safety analysis report for packaging: the ORNL in-pile capsule shipping cask. (ORNL/ENG/TM – 10) 374034
Safety analysis report for packaging: the ORNL loop transport cask. (ORNL/ENG/TM – 11) 374035
Safety analysis report for packaging: the ORNL uranium-shielded shipping cask. (ORNL/ENG/TM – 4) 365730
Chiplis, I.V.
On the equivalence of orthogonal and nonorthogonal radial orbitals. 376990
Chipman, E.G.
Chromospheric oscillations observed in the line C II lambda 1336 with OSO-8. 372135
Chirakadze, G.G.
Protection of aliphatic alcohols by thiols. (INIS-mf – 3782) 349359
Radiation-chemical synthesis of some organic sulfur compounds. (INIS-mf – 3782) 351651
Radiation-chemical transformation of organic sulfides. (INIS-mf – 3782) 357171
Radiation-chemical transformation of thiourea. (INIS-mf – 3782) 349358
Radiation-chemical transformations of compounds with sulfhydryle group. (INIS-mf – 3782) 349357
Chiranjeevi Rao, S.V.
Some aspects of uptake of vanadate by lead hydroxylapatite. 349207
Chirkin, G.K.
Generation and movement of magnetic domains in a SHF magnetic field. 374749
Chirkin, V.A.
Gamma rays in neutron inelastic scattering on Al and Fe nuclei at neutron energy range 0.8 – 10 MeV. (INIS-mf – 3897) 359520
Total cross-sections of gamma ray production in neutron inelastic interaction with rhenium and lead nuclei. (INIS-mf – 3897) 356869
Chirkin, Yu.K.
Spin-lattice relaxation of Yb^{3+} and Nd^{3+} ions in ZnS monocrystals. 374740, 377228
Chirkina, A.P.
Use of bichromate-sulfuric acid system for study of reactive capacity of carbon materials. 367102
Chirkov, A.K.
On chemical nature of hydrated vanadium pentoxide. 351544
Proton magnetic resonance in hydrated vanadates in alkali metals and alkaline earth metals. 351543
Chirkov, N.P.
Cosmic ray flares and short-period variations of intensity. 356273
Chirkov, Yu.Yu.
Action of radioprotective drugs on the level of adenosine cyclic 3',5'-monophosphate and on the activities of adenylate cyclase and adenosine cyclic 3',5'-monophosphate phosphodiesterase. 349753
The effect of radioprotectors and ionizing radiation on the cAMP system. 360228
Chirt, V.K.
Proton radiative capture in ^{58}Ni, ^{60}Ni, ^{61}Ni nuclei. (KFTI – 75-15) 362078
Chirvasie, R.
Effects of cobalt-60 gamma-irradiation in association with prostaglandin E_1 treatment on the cyclic AMP levels of some radiosensitive tissues. 367510
Chisari, A.
Uranyl and lanthanide complexes with ureas. 375659
Chisholm, D.
Critical conditions during the flow of two-phase mixtures through pipes. 376302
Chistilin, V.I.
Data reading system from wire spark chambers with ferrite rings. (ITEF – 53) 366060
Chistov, E.D.
Providing radiation safety during operation of high-power irradiation facilities. 357746
Chistyakov, A.L.
On the uncertainty relations for vector-valued operators. 348580
Chistyakov, D.A.
Action of ^{60}Co gamma radiation on polymeric cationites. 370128
On radiation oxidative destruction of ionites. 369809
Chistyakov, O.D.
Electric properties and atomic volume dependence of s-f exchange

integral in gadolisnium-dysproium alloy. 368857
Nature of the magnetic susceptibility of dysprosium. Paramagnetic susceptibility of dysprosium - yttrium alloys. 368764
Chistyakov, S.L.
Niobium oxidation and reduction during melting of high-alloyed steels. 375758
Reaction of molybdenum trioxide with molten iron alloyed by vanadium and tungsten. 349240
Chistyakov, V.A.
Inducing spin reorientation in the region of phase transformation in $YFeO_3$. 374670
Chistyakov, V.F.
Proper motions of sunspots in one-day period. 353670
Chistyakov, V.M.
Kinetics and mechanism of oxidation of plutonium (6) by persulfate ions in sodium carbonate solutions. 359729
Chistyakova, G.A.
Development of industrial hydrogenating catalyst on rhenium base. 367075
Chistyakova, K.G.
Proper motions of sunspots in one-day period. 353670
Chitale, S.V.
Mixing lenqth for qauging flows using radioisotopes. 367406
Chitre, D.M.
Path-integral quantization and cosmological particle production: An example. 359066
Chittenden, W.A.
Improving power plant reliability: needs and directions. 363684
Chiu, C.
WARD blanket assembly pre-test predictions by SUPERENERGY. (COO - 2245-40TR) 379744
Chiu, C.B.
Intermediate mass distribution of dual resonance Pomeron. (RL - 77-092/A) 349056
Real and imaginary parts of hadronic amplitudes, diffractive contribution, and the Chew-Rosenzweig Pomeron. (ORO - 3992-314) 366833
Solutions of simple dual bootstrap models satisfying Lee - Veneziano relation and the smallness of cut discontinuities. (ORO - 3992-315) 372385
Time evolution of unstable quantum states and a resolution of Zeno's paradox. 358644
Chiu, K.C.R.
Do present 'charge transfer to the continuum' theories correctly describe the production of vsub(i) = vsub(e) electrons in ion beam-foil collisions. 361378
Chiu, L.C.
Theoretical radiative lifetime of the metastable c³Pi/sub u/ state of H_2. 368612
Chiu, L.G.
Astrometric techniques with a PDS microdensitometer. 350990
Chiu, L.T.G.
Berkeley studies of faint stars at high latitudes. 369137
Chiu, T.
Measurement of light emission from remote cosmic-ray air showers. 365315
Chiu, W.Y.
The 14 MeV neutron activation analysis of Chinese foodstuffs for protein content. 375242
Chiuderi, C.
The structure of coronal magnetic loops. I. 356202
The structure of coronal magnetic loops. II. 372173
Chivalak, S.
Chemical accelerator studies of isotope effects on collision dynamics of ion - molecule reactions: $Kr^+ + HD$. 368618
Chivers, D.J.
Ion beam studies. VI. 355074
Chivers, T.C.
Problems, properties and performance of static seals. 370999
Chizhevskaya, E.M.
Some problems of disperse medium use in heat exchangers. (INIS-mf - 3952) 367912
Chizhevskaya, S.N.
Preparation and study of solid monocrystals of solutions based on Sb_2Te_3 and Bi_2Te_3. 369889
Chizhov, A.Ya.
Modification of radiosensitivity of DNA-membrane complexes in mammalian cells by means of protectors. 354748
Chizhyunas, A.R.
The perturbation of boundary conditions for differential equations of atomic theory. 377112
Theoretical consideration of the composition of quasiideal hydrogen plasma. 376991
Chkanikova, O.K.
Investigation into kinetic of extraction of silicomolybdic acid by tri-octylamine. 375444
Chkartishvili, K.A.
Synthesis of ^{13}C-labelled monomeric forms of ethoxyethyl-α-cyanacrylate and some methane halogen derivatives. 351533
Chkhaidze, M.B.
Synthesis of ^{13}C-labelled monomeric forms of ethoxyethyl-α-cyanacrylate and some methane halogen derivatives. 351533
Chliapnikov, P.V.
Λ and anti Λ production in K⁺p interactions at 32 GeV/c. 372512
Chlique, Bernard
Procedure for generating steam and steam generator for operating said procedure. 360796
Chmelo, P.
Irradiation probe and laboratory for irradiated material evaluation. 354624
Chmielewska, D.
Absolute cross sections determination for ^{160}Gd(α,xn) reactions. (ZfK - 336) 364756
Isomeric states in ^{152}Dy. (INIS-mf - 4267) 378010
Positive- and negative-parity yrast bands in the transitional nucleide ^{150}Sm and the interacting boson approximation. 367007
Chmielewski, J.
CAMAC interface module for paper tape punches type PL-150 and PL-80. 376678
Chmutov, K.V.
Application of sorption equilibrium dynamics for studing composition of complexes formed in separation process. 359590
Calculation of elution output curves of transplutonium elements conformably to displacement complexing chromatography. 378471
Choice of holding ion in displacement ion exchange chromatography in the presence of complexing reagents. 375509
Distribution of praseodymium and neodymium ions in the system of cationite - diethylenetriaminepentaacetic acid solution in the interval of 6-140 deg C. 359689
Effect of Rind of holding ion on efficiency of rare earths separation by means of displacement complexing chromatography. 378379
An electron spin resonance study of the low-temperature radiolysis of ion-exchange resins. 357156
Strontium-hydrogen exchange statics on irradiated KU-2 cation-exchange resin. 349353
Studing sorption mechanism of indium and iron (3) ions on phosphoric-acid cationite KF-7. 378263
Studying composition of complexes formed by non-ferrous metal with nitrilotriacetic acid during rare earths separation by displacement chromatography. 378380
Chmutova, M.K.
Synergistic effect in extraction of trivalent americium by 1-phenyl-3-methyl-4-benzoyl-pyrazolone-5 and tbp mixtures. 362230
Chmyrev, Yu.V
Electron energy spectra arising when passing of fission fragments through polycrystal and monocrystal gold films. (FEI - 623) 356009
Chmyrev, Yu.V.
Investigation of the energy distributions of electrons knocked-out with fission fragments from cold polycrystal and single-crystal films. (INIS-mf - 3996) 364062
Cho, D.
Effect of radiative cooling on HCDA radiological consequences during buoyancy period. 352206
Cho, D.H.
Some aspects of mixing in large-mass, energetic fuel-coolant interactions. (CONF-761001 - P4) 362887
Cho, S.M.
Flow model test development of CRBRP intermediate heat exchanger. 374235
Heat transfer in tube bundles of heat exchangers with flow baffles induced forced mixing. (CONF-761107 - 27) 363485
Cho, Tetsuji
Long term survey on food pollution and contamination by radioactive fallout in Fukuoka, Japan (1961 - 1976). 379179
Cho, Y.
Effects of depolarizing resonances on a circulating beam of polarized protons during acceleration or storage in a synchrotron. 363187
One-, two-, and three-particle distributions in pp collisions at 205 GeV/c. 372529
Pellet fusion by high energy heavy ions. 363176
Radial damping by octupole for ZGS beam. 363188
Cho, Z.H.
Coincidence electronics for the circular ring transaxial positron camera. 379872
Choate, L.M.
Flash x-radiography for material motion detection. (SAND - 77-1648C) 379745
Choban, Eh.A.
Production of charmed particles in weak interactions with diagonal neutral currents. 377714
Chockie, L.J.
Extended rules of the 1974 ASME Section XI Code, 'Inservice inspection of nuclear power plant components'. 365768
Chodera, A.
Changes in the pharmacodynamics and pharmacokinetics of psycholeptic drugs in radiation-sickness. Effect of X-ray radiation on pharmacodynamic activity of nitrazepam in animals. 373548
Chodos, A.
Continuous space-time symmetries of the lattice Dirac equation. 358645
Spectral degeneracy of the lattice Dirac equation as a function of lattice shape. 353057
Chodura, R.
Anomalous transport in shock produced plasmas. (INIS-mf - 3963) 353538
Choh, S.H.
Point-charge approximation of trigonal Tm^{2+} and Yb^{3+} centres in crystals of CaF_2 structure. 377175
Choi, B.H.
Rotational excitations in e + H_2 scattering at intermediate energies. 358724
Choi, B.K.
Hyperfine interactions in $RE_2(Fe, Co)_{17}$ (RE = Y, Gd, Dy). 371688
Choi, C.
Advanced-fuel fusion systems. The D-³He satellite approach (the

ILB reactors). (EPRI-ER - 536-SR) 371948
Energy distributions and radiation transport in uranium plasmas. (CONF-760646 -) 374127
Choi, C.K.
D-D-T pellet laser-fusion feedback concepts. (COO - 2007-88) 361596
Laser-fusion employing direct nuclear pumped lasers and advanced fuel (D-D-T) pellets. (EPRI-ER - 536-SR) 371950
Proceedings of the review meeting on advanced-fuel fusion. (EPRI-ER - 536-SR) 371722, 371726, 371754, 371804, 371805, 371806, 371822, 371829, 371842, 371861, 371862, 371889, 371904, 371926, 371935, 371939, 371943, 371944, 371946, 371947, 371948, 371949, 371950, 371967, 371992, 372009, 372032, 372033, 372034, 372054, 372061, 372068, 372071, 372092, 374836
Choi, C.W.
Two-state and two-state plus continuum problems associated with the interaction of intense laser pulses with atoms. (ORNL/TM - 5754) 350593
Choi, D.
Initial value problem with non-Hermitian radial mode equations. 350870
Choi, K.
Breast cancer incidence among atomic bomb survivors, Hiroshima and Nagasaki, 1950 - 1969. 362704
Choi, K.Y.
Studies on the phototoxicity of coumarin derivatives. 367462
Choisnet, J.
New family of ternary niobium oxide with $A_3M_8O_{21}$ structural form. 354586
Chojecki, M.
Isotope investigation of anodic slime movements in copper electrorefining baths. 367897
Chokoj, P.K.
Diffusion titanium coatings on steel and cast iron. (INIS-mf - 4046) 369884
Chokolov, K.S.
Intrinsic and extrinsic conductivities of KBr and KJ crystals. 358865
Chomiczewski, K.
Late effects of irradiation of newborn mice with gamma rays. Pt. 4. Summary of investigation and the effect of sex and dose of radiation on the extent of radiation-induced injury. 373522
Types and rate of cataract development in mice irradiated at different ages. 365383
Chomnilpan, S.
Neutron diffraction refinement of paraelectric $CsH_3(SeO_3)_2$. 371578
Chone, B.
Application of pulse cytophotometry in clinical oncology. (INIS-mf - 4010) 370434
Chone, T.
Determination of the characteristics and transformations in a mull medium of a humic model derived from auto-oxidation of the catechol-glycine system and selectively labelled with carbon-14. 357656
Chong, Y.P.
Cross section for production of the metastable H(2S) state in proton collisions with atomic hydrogen. 358725
Chonishvili, G.M.
Calculation of the tunneling factor for the proton transfer process. 350785
Choodnovsky, D.V.
Novel first intagrals for the Fermi-Pasta-Ulam lattice with cubic nonlinearity and for other many-body systems in one and three dimensions. 353059
One-dimensional kinetic equation with elliptic potential of interaction. 353058
Choodnovsky, G.V.
Novel first intagrals for the Fermi-Pasta-Ulam lattice with cubic nonlinearity and for other many-body systems in one and three dimensions. 353059
One-dimensional kinetic equation with elliptic potential of interaction. 353058
Choppin, G.R.
The complexation of lanthanides by aminocarboxylate ligands. 364936, 364952
Lanthanide (III) and actinide (III) chelate kinetics via solvent extraction. (ORO - 1797-77) 372953
Nuclear magnetic resonance study of the structure in solution of lanthanide complexes with benzene-1,2-dioxydiacetate. 378323
Chopra, I.J.
Preparation of high-specific-activity radioactive iodothyronines and their analogues. 373024
Chopra, O.K.
Compatibility of ferritic steels in a sodium environment. (CONF-760503 - P2) 352732
Chopra, P.S.
A model for calculation of pressure in the duct due to discharge of gas from a failed fuel pin. 355337
Parametric investigation of fracture of EBR-II ducts. (CONF-770807 - 39) 365997
Proof tests of irradiated and unirradiated EBR-II subassembly ducts. (CONF-770807 - 44) 368253
Chopra, S.K.
"Inhalation lung imaging with radioactive aerosols and gases". (UCLA - 12-1133) 370451
Imaging sites of airway obstruction and measuring function response to bronchodilator therapy in asthma. (UCLA - 12-1124) 365465
Lung diffusion of soluble radioaerosols in scleroderma. (UCLA - 12-1141) 379143
Recent lung imaging studies. 354964
Ventilation-perfusion lung imaging in diaphragmatic paralysis. (UCLA - 12-1127) 362767
Chopra, Suman
Effect of gamma rays and 2, 4-D on ovule, female gametophyte, seed and fruit development in Guizotia abyssinica. 376087
Chopra, V.K.
Biological damage in testis by iodine-125 in partially blocked thyroid of rats. 352061
Choquet-Bruhat, Y.
Coupling of high frequency gravitational and electromagnetic waves. 355739
High-frequency, self-gravitating, charged scalar fields. 353060
Chorazy, M.
Excretion and organ distribution of the cytostatic preparation Ledakrin (preparation C-283) in rat. 367580
Chorazy, W.
The determination of manganese in the tea using the SAA method. 367027
Chorvat, D.
Hygiene problems in building a nuclear power and heat plant near Bratislava. (INIS-mf - 4055) 367743
Chorzelski, T.
Antigenicity of DNA induces by photoaddition of 8-methoxypsoralen. 367464
Chotin, J.L.
Measurement of the ion-mass effect on the central structure of Hsub(β) in a plasma produced by a combustion-driven shock tube. 374813
Chou, D.-P.
Atmospheric dispersion estimates of the gaseous radionuclides from Taiwan research reactor. 370537
Chou, J.C.
Measurement of the $^{58}Ni(n,p)^{58}Co$ cross section with H(n,n)p as a standard. 356922
Chou, S.K.
Thermal bridgehead double inversion of the 6-methylene-and 6-ethylidene-2-methylbicyclo[3.1.0] hexanes and related materials. Rotational kinetic deuterium isotope effects and the mechanism of the thermal interconversion of cis- and trans-2,3-dimethylmethylenecyclopropanes via orthogonal and planar trimethylenemethane singlet biradicals. 362179
Chou, T.S.
Cyropumping of deuterium, hydrogen and helium mixtures on smooth 4.2 K surfaces. 368925
Chou, T.T.
High energy hadron - hadron collisions. Annual progress report. (SRO - 946-1) 377715
Choudhari, M.
Charged particle multiplicity in 400 GeV/c p-nucleus interactions in nuclear emulsion. 372498
Choudhary, D.K.
Induced mutagenesis in the genus Atropa. 373646
Choudhary, N.N.
Absorption of RAPS power in the Northern Region Grid. 379613
Choudhury, A.
Application of the electroslag remelting process for the production of heavy turbine rotors. 359866
Choudhury, D.K.
Positivity and an analysis of asymptotic and nonasymptotic effects in electron-positron annihilation processes. 369271
Choudhury, F.N.
Nuclear level density with realistic interactions. 359384
Choudhury, M.R.K.
Modern trends in analysis, costing, and economics of nuclear fuel services in cooperative nuclear fuel service facilities. 352916
Choudhury, P.
A study of inclusive sector and tensor meson production in the beam fragmentation region. 369272
Chovanec, F.
Research into applications of superconductivity in JINR. 366797
Chovnyk, N.G.
Investigation of molten binary systems of aluminium bromide-rubidium bromide and aluminium bromide-cesium bromide. (INIS-mf - 4189) 375430
Chow, C.L.
Fracture mechanics and technology. Volume 1. 369887, 370054, 370152
Fracture mechanics and technology. Volume 2. 370808, 371215, 371248
Chow, J.G.Y.
Correlation of high- and low-cycle fatigue data for solution-annealed Type 304 stainless steel. 360829
Effect of steam oxidation on the tensile strength of HTGR structural graphites. (BNL-NUREG - 23000) 352700
Effects of mean tensile stresses on high-cycle fatigue life and strain accumulation in some reactor materials. (BNL-NUREG - 50654) 351810
Chow, L.S.H.
Prediction of high strain-rate deformation of LMFBR cladding during reactor transients. (CONF-761001 - P3) 365533
Chow, S.
Mini-cavity plasma core reactors for dual-mode space nuclear power/propulsion systems. (CONF-760646 -) 374286
Chow, T.J.
Mass spectrometric determination of cadmium in I.A.E.A. fish solubles. 351435
Chowdari, B.V.R.
Radiation damage products in ionic crystals impurity doped alkali halides. 364096

Chowdhury, A.R.
Test for Psub(T) distribution at different laboratory energies in hadronic collision events. 356501
Chowdhury, B.
High temperature injury of different varieties of wheat seedlings with special reference to their ribose nucleic acid activity and ^{32}P uptake capacities. 373647
Chowdhury, R.K.
Regional fuel cycle centres for South and South-East Asia. 368408
Chowdhury, S.M.M.R.
Specific heat anomalies of amorphous arsenic and germania between 1 sup(deg)K and 20sup(deg)K. (IC – 76-93) 361433
Choyke, W.J.
Raman scattering from ion-implanted silicon carbide. 370208
A review of radiation damage in SiC. 370141
Chrien, R.E.
Epithermal neutron capture in ^{238}U. 356824
Implications for radiative-strength functions from neutron capture in ^{35}Cl. 366971
Implications of failure of Porter – Thomas statistics for light nuclides and its relevance to nuclear energy programs. (BNL-NCS – 22500) 356732
Low-spin states in ^{233}U studied with the (n,γ) reaction. 359499
Neutron resonances in ^{45}Sc and their relation to thermal scattering parameters. 362047
Total cross sections of ^{45}Sc. (BNL-NCS – 22500) 356823
Christ, R.
Heat transfer tests and calculations for LMFBR spent fuel casks. 350010
Spacers for fuel elements with a large number of fuel rods. (German (F.R.) patent document 1764185/B/) 355135
Christahl, M.
Contribution to the vibration and electronical excitation spectroscopy of dicobaltoctacarbonyl in solution. 364937
Christea, G.
Computer programme for determining the space distribution of the temperature and of the density in the thermonuclear plasma of a power thermonuclear reactor controlled by the neutron nuclear reactions rate, code DSTD-2. (IFA-FR – 153-1976) 358601
Christen, D.K.
Anisotropy in the flux-line lattice symmetry of a low-kappa Type-II superconductor. (CONF-771077 – 1) 373278
Determination of low-field critical parameters of superconducting niobium by small-angle neutron diffraction. (CONF-771077 – 2) 373172
Christen, M.
Skew scattering in $CeAl_2$: evidence of crystal field effect. 353414
Christensen, A.N.
Preparation, composition, and solid state investigations of TiN, ZrN, NbN, and compounds from the pseudobinary systems NbN-NbC, NbN-TiC, and NbN-TiN. 366400
Study of chromium oxyhydroxide (β-CrOOH) by neutron diffraction. 371660
Christensen, C.G.
Note on the Spectrum of SX Phoenicis. 361717
Christensen, E.L.
Progress toward a policy for waste management. 363634
Christensen, G.M.
Acute and late damage in the mouse small intestine following multiple fractionations of neutrons or x-rays. 367495
Mouse testes as a biological test system for intercomparison of fast neutron therapy beams. 365384
Christensen, N.E.
Surface resonance in secondary-electron emission from tungsten crystals. 370075
Christensen, O.
Island of high spin isomers near N = 82. (ZfK – 336) 364811
Island of high-spin isomers near N = 82. 367001
Long-range transmission of pollutants simulated by a two-dimensional pseudospectral dispersion model. 373856
Christensen, P.
External radiation exposure associated with uranium/thorium mineralization on the Kvanefjeld Plateau, Greenland. (RISO-M – 1989) 373890
Christensen, S.G.
Selective analysis of power plant operation on the Hudson River with emphasis on the Bowline Point Generating Station. Volume 1. (ORNL/TM – 5877/V1) 360175, 360176
Christensen, U.R.
Pure tension shape of a thick torus. (PPPL – 1353) 361649
Christian, C.
Electron resonance scattering at mercury. 353336
Christian, D.J.
Meeting regulatory standards with BeO ceramic TLD. (CONF-780110 – 2) 379882
Optimization of the detector and associated electronics used for high-resolution liquid-scintillation alpha spectroscopy. 366040
Christiano, P.P.
Development of seismic design criteria for category I cofferdams. 373794
Christiansen, J.P.
Evolution of the reversed-field pinch. 371792
Performance predictions for reversed field pinches. (INIS-mf – 3963) 371791
Turbulent behaviour of the reversed field pinch. (INIS-mf – 3963) 353539
Christiansen, P.G.
The transfer of polarisation due to optical cascades in $^{40}Ar^+$ ions. 358726
Christiansen, U.
Spacers for fuel elements with a large number of fuel rods. (German (F.R.) patent document 1764185/B/) 355135
Christiansen, W.A.
Formation of double radio source structures and superluminal expansion. 359067
Christiansen, W.N.
Observations of 15 southern extragalactic sources with the Fleurs synthesis telescope. 356203
Christie, R.S.
Low-noise control valve. II. (CONF-771029 – 153) 377373
Christie, W.H.
Study of the quantification of Sims data. (CONF-770575 – 1) 378165
Christillin, P.
Nuclear effects in radiative muon capture in calcium. 372599
Christman, D.R.
Metal isotopes used as radioactive indicators of ocular melanoma. 360383
Radiopharmaceuticals. XXVII. ^{18}F-labeled 2-deoxy-2-fluoro-D-glucose as a radiopharmaceutical for measuring regional myocardial glucose metabolism in vivo: tissue distribution and imaging studies in animals. 373600
Christman, E.A.
Molecular hydrogen yields and tritium protium isotope effects in tritium beta radiolysis. 378507
Christman, S.B.
Electron energy loss spectroscopy and ultraviolet photoemission of TmSe. 368751
Christodoulou, D.
The chronos principle and the interactions of fields of spin 0 and 1. 355740
String dynamics in an external field: a family of exact solutions. 361244
Christophorou, L.G.
Atomic and molecular physics, physicochemical properties of biologically important structure, and high-voltage research . (ORNL – 5171) 366238
Elementary electron-molecule interactions and negative ion resonances at subexcitation energies and their significance in gaseous dielectrics. (CONF-770930 – 1) 373317
Experimental evidence for the existence of a Ramsauer-Townsend minimum in liquid CH_4 and Ar (Kr and Xe) and in gaseous C_2H_6 and C_3H_8. 359773
Fragmentation of aliphatic chlorocarbons under low-energy (< or approx. =10 eV) electron impact. 350634
Christou, A.
Nature of dislocation loops in As-implanted and postannealed Si wafers. 351903
Christou, S.
Device to determine the level of the liquid melting material in electric induction furnaces. 371157
Chrjastov, N.A.
IBR-2-the periodically pulsed reactor for neutron investigations. (INIS-mf – 3946) 356682
Chrobak, L.
Di Guglielmo syndrome (erythroleukemia) with dyserythropoiesis in a breast cancer patient treated with irradiation. 379054
Chrusciel, E.
Determination of sulphur content in boreholes by neutron capture. 375970
Chruscielewski, W.
Evaluation of radon and its daughter products concentration in the air using triacetate cellulose foils. 376043
Chrysochoides, N.
Canonical decoupling and control of multiple-core nuclear reactors. 352454
Nuclear reactor control using Walsh function variational synthesis. 358103, 363420
Research on nuclear plant reliability through development of quality assurance measures. (IAEA-R – 1714-F) 376460
Chu, A.W.
Heat transfer in tube bundles of heat exchangers with flow baffles induced forced mixing. (CONF-761107 – 27) 363485
Chu, B.P.H.
Perspective of radioactive waste management in the Republic of China. 361112
Chu, C.K.
Numerical simulation of Padua Eta-Beta reverse-field pinch. 348952
Chu, C.W.
α-γ phase transitions in Ce – Th alloys under high pressure. (LA-UR – 77-2153) 373205
High pressure induced shifts in the superconducting transition temperature of sputtered films. 349449
Pressure dependence of positron lifetimes in V_3Si. 357325
Chu, D.S.L.
Developing a national nuclear power program in Taiwan, Republic of China. 365842
Regional spent-fuel reprocessing in Asia. 359847
Chu, F.
Comparative study of two preoperative radiation regimens with cystectomy for bladder cancer. 373579
Chu, H.Y.
Analysis of LMFBR containment response to an HCDA using a multifield Eulerian code. (CONF-770807 – 53) 373797
Generalized Eulerian method in reactor containment analysis and its comparison with other numerical methods. (CONF-761001 – P3) 365534

Chu, K.R.
Numerical study of the dissipative trapped-electron instability in tokamaks. 371793
Chu, M.
Microscopic theory of impurity pumping. 350817
Chu, N.N.
Simulation of the cladding freezing during the loss of flow accident in a Gas-Cooled Fast Breeder Reactor. (NUREG – 0215) 352733
Chu, N.N.Y.
Indicator for the economic application of nuclear technology. 352897
Simulation of transient freezing of cladding in GCFR blanket channels. (CONF-761001 – P4) 362888
Chu, S.
Intense field multiphoton ionization via complex dressed states: Application to the H atom. 371470
Linearly rising soliton trajectories. 358646
Shock model for infrared line emission from H_2 molecules. 372210
Chu, S.L.
Equivalent modal response method for seismic design of structures. 355141
Probable simultaneous response by the response spectrum method of analysis. 355142
Treatment of natural and manmade hazards in nuclear power plant design. 370604
Chu, T.C.
Detection of hot fallout on Taiwan in the period 1971-1975. 354727
Chu, T.K.
Conduction heat loss scaling in open field line geometries. 350818
Electron number density measurement by ruby laser interferometry. (CONF-770725 – 1) 358926
Measurements of the parametric decay of CO_2 laser radiation into plasma waves at quarter critical density using ruby laser Thomson scattering. (PPPL – 1394) 377532
Chu, Y.K.
Normalized small-y cross sections for neutrinos and antineutrinos at high energy. 359333
Rate of dimuon production from neutrinos and antineutrinos at high energy. 366880
Chuang, A.S.
Comparison study on GCFR core support grid plate displacement among experimental, analytical, and finite-element models. (GA-A – 14325) 358282
Static test of the gas-cooled fast breeder reactor core support grid plate: comparison of experimental, analytical, and finite-element models. (GA-A – 14121) 379746
Structural analysis of the gas-cooled fast breeder reactor core support. (GA-A – 14098) 365970
Chuang, L.S.
The 14 MeV neutron activation analysis of Chinese foodstuffs for protein content. 375242
Chuang, M.C.
Three-dimensional thermal-hydraulic analysis of wire-wrapped rods in liquid-metal fast breeder reactor core assemblies. 363502
Chuang, S.L.
Method for inverting oblique sounding data in the ionosphere. 365319
Chuaqui, H.
Plasma drifts in the Polytron. (INIS-mf – 3963) 371794
Chubar, Yu.D.
On features of substitution of multiply bonded ligands in tungsten complexes. 378229
Urea, thiourea and guanidine as multiply connected ligands in complexes of d^0-elements. 375427
Chubarov, E.V.
Studies of structural material degassing in cryogenic vacuum technique. (KFTI – 76-21) 357290
Chubarov, V.M.
Chemical interaction in composite materials with magnesium and ML-8 alloy base reinforced with boron fibers. 365187
Chubaryan, Eh.V.
Cosmic rays from pulsars. 374955
The gravitational fields of the superdense plane desk. 377587
Chubenko, A.P.
Characteristics of cosmic hadron interactions. 361721
Energy of electron-photon and hadron components near extensive air shower axis on the altitude of 3330 m above sea-level. 362600
Chubinidze, S.D.
Glass formation and some physicochemical properties of glasses of the R_2O-MnO-B_2O_3 system. 378326
Chubinskij, O.V.
Probability of the spin flip in 6 MeV proton inelastic scattering on ^{26}Mg. 378074
Chubinskij, V.V.
Radiative capture cross-sections of fast neutrons by ^{197}Au nucleus. (INIS-mf – 3897) 356736
Chubukov, V.N.
Technology of soldering radioisotope thermoelectric generator joints. 349944
Chubukova, T.M.
Use of coulometry with potential scanning in analytical chemistry. 364913
Chuchkin, V.I.
Some problems of adapted algorithm realization. (INIS-mf – 3909) 374519
Chuchkov, E.A.
On anomalous anisotropy of solar cosmic ray flux in September 1973. 377661
On the 11 year cycle of cosmic rays. 356285
Chud ovskij, F.A.
Light absorption by "droplets" of metal phase near the semiconductor-metal phase transformation point in VO_2. 368785
Chudakov, A.E.
Short-period variations of the cosmic ray intensity. 357526
Chudakov, V.M.
Coherent diffractive dissociation of 20.8 GeV/c protons into the $p\pi^+\pi^-$ system. 369348
Study of 200 GeV/c proton diffractive dissociation using the parametrically invariant quantity g_1. 369339
Chudakov, V.N.
CAMAC-VEKTOR system for data readout from wire spark chambers with ferrite rings. (ITEF – 75) 350373
Data readout system in the CAMAC-VEKTOR standard for wire spark chambers with ferrite rings. 376733
Chudinov, Eh.G.
Application of infrared spectroscopy for study of chemical bonds in complexes of rare earth nitrates with alkylammonium nitrates. (IAE – 2363) 349241
Calculation of separation factors for trivalent actinides and lanthanides in various extraction systems. (IAE – 2557) 354328
Coordination polyhedrons of f-elements in certain extraction systems. (IAE – 2556) 354327
On the effect of tertiary amines hydrocarbon chains length on stoichiometry of extraction of trivalent actinoids. 359726
Semiempiric calculation of relative constants of formation of f-element complexes in application to extraction equilibria. 375431
Chudinov, V.G.
Effect of environment temperature on defect formation in solids irradiated with fast neutron. 370142
Production of intense monochromatic beams of long-wave neutrons from a through tangential reactor hole. 356536
Chudinova, N.N.
Preliminary data on $CsTb(PO_3)_4$ crystal structure. 369685
Chudinovich, I.Yu.
Renormalized Feynman amplitudes for fields with fixed masses. 350492
Chudnovskij, A.D.
Structure and strength of the steel plated with nickel alloy using explosion welding. 359926
Chudnovskij, A.N.
The effect of the helical winding HF current on the To-1 tokamak discharge. 374803
Chudnovskij, F.A.
Light combination scattering spectrum and phase transition in VO_2. 355936
Phase transformation with electroconductivity jump in V_3O_5 without change of crystal lattice symmetry. 350739
Chudonov, Eh.G.
Checking the mechanism of extraction of trivalent f-elements by alkyl amine chlorides with the use of computer calculation of activities of water in ternary water-salt. (IAE – 2611) 349209
Chudotvorov, A.A.
Corrections for energy dependence of neutron dosemeters. 355602
Chudy, M.
Comparison of high-sensitivity gamma spectrometric methods used in activation analysis. (INIS-mf – 4143) 374305
Chufarov, G.I.
Calculation of linear molecules using cylindrical oscillator functions. 361343
Chufarova, I.G.
Conditions for formation of decahexa- and dodecavanadates of calcium, strontium and barium. 359621
Investigation into some phosphoric acid esters as extraction agents for tantalum and niobium. 362170
Chugaj, N.N.
Oxygen absorption lines in spectra of the 2. type supernovae. 369046
Thomson scattering in the supernovae envelope and emission line profiles. 374891
Chugaj, T.V.
Level scheme of sup(105)Pd. 359375
Chugreev, N.S.
Basic problems in reprocessing spent fuel elements of nuclear power plants. 366159
Chuistov, K.V.
X-ray and electron scattering by crystals with correlated system of second phase particles. 377220
Chujko, V.T.
On determination of microimpurities during their partial coprecipitation with collector. 351451
Chukalin, V.I.
Emission bands of phosphorus and calculation of band structure of rare earth phosphides. 374652
Chukanov, V.A.
Samarkand complex facility for study on extensive air showers at the energy > $2x10^{14}$ eV. 363581
Some characteristics of nuclear interactions on the basis of study on extensive air showers. 361708
Chukhlov, O.P.
Realization of generalized perturbation theory for the calculation of efficiencies of neutron cross sections with respect to fraction-linear reactor functionals in the two-dimensional geometry. (INIS-mf – 4043) 363378
Chukhrova, N.I.
On ferronates of some two-charge cations. 359639
Chukin, G.D.
Investigation into interaction of CO_2 molecules with zeolites by

infrared spectroscopy. 349225
Study of active centers of alkaline earth zeolites of type Y by infrared spectroscopy. 375504
Chukova, Yu.P.
Investigation of excitation spectra of luminophors with rare earth ions in anti-stokes region. (INIS-mf – 3955) 362151
Chukreev, F.E.
Decay of ^{115}Cd and sup(115m)Cd. (IAE – 2414) 354199
Chukreev, N.Ya.
Electric conductivity of the (KCl-ZiCl)sub(eut)-$BeCl_2$ molten system. (INIS-mf – 4193) 375432
Chukurov, P.M.
Thermodynamic properties of waterless nitrates of some bivalent metals. 359594
Chulanova, A.G.
Some problems of disperse medium use in heat exchangers. (INIS-mf – 3952) 367912
Chulick, E.T.
Mechanisms for Li and Be production in the ^{14}N + ^{12}C reaction. (ORO – 3924-29) 364824
Chulkov, L.V.
Program for calculation of efficiency of neutron detection with stilbene cristal. (IAE – 2594) 352810
Chulkov, N.I.
Primary principles of the ES-5012 magnetic storage device use in the SDS-1604A computer. (JINR – 11-9188) 352829
Chulkov, N.M.
Angular and energy distributions of ^{252}Cf spontaneous fission neutrons depending on mass and kinetic energy of fragments. (INIS-mf – 3896) 356910
Chulos, L.E.
Techniques for studying corrosion and deposition of radioactive materials in sodium loops. (IWGFR – 7) 360967
Chuloshnikov, P.L.
Machine MT-1223 for spot welding of alloyed steels and titanium alloys. 359873
Chultem, D.
Investigation of the negative pion capture in deformed nuclei. (ZfK – 336) 364731
Negative pion capture by medium nuclei in the Z approximately 50 region. 354166
Negative pion capture in chemical compounds. (JINR-E – 15-9658) 349132
Chumichev, V.B.
On the necessity for evaluation of the limits of radioactive waste disposal into water systems of international importance. 368394
Chumin, V.G.
Gas-thermochromatographic method for astatine separation. Relative yield of astatine isotopes from uranium. 378495
Chun, J.
Failure probability of the battery system following loss of ac power. 352208
Chun, M.H.
Dynamics of solidification of flowing fluids with applications to LMFBR post-accident fuel relocation. (CONF-761001 – P4) 362889
Chung
Elastic and inelastic scattering of neutrons by isotopes of molybdenum and zirconium. (BNL-NCS – 22500) 356833
Chung, A.
Electrofission of ^{206}Pb, ^{207}Pb, and ^{208}Pb. 351380
A simple radioassay for angiotensin-converting enzyme. 360399
Chung, B.K.
Multiplicity distributions and total cross section at high energies. 351145
Some bounds on pion-scattering amplitudes and their applications. 364484
Chung, D.W.
Influence of hydrogen on high cycle fatigue of polycrystalline vanadium. (COO – 3459-13) 359822
Chung, H.M.
High-temperature deformation and rupture behavior of internally-pressurized Zircaloy-4 cladding in vacuum and steam enivronments. (CONF-770708 – 16) 365535
Uniaxial tensile properties of Zircaloy containing oxygen: summary report. (ANL – 77-30) 373190
Chung, H.S.
Depressurization accident studies for GCFR's. (CONF-761001 – P3) 365527
Chung, J.N.
Effect of internal circulation on the heat transfer of a nuclear reactor containment spray droplet. 367744
Reactor containment heat removal by passive heat sinks following a loss-of-coolant accident. 362855
Chung, K.C.
Relativistic neutral Yukawa systems. (CBPF – A0007/77) 363760
Chung, K.H.
Nonlinear-sigma-model Pade calculation of $\pi\pi$ phase shifts. II. 372386
Chung, M.
Joint test rig for testing and calibrating of different methods of two-phase mass flow measurement. (KFK – 2435) 358442
Chung, S.F.
Status report: waste incineration and fixation for Waste Management, Production, and Reprocessing Division of the Department of Energy (July – December 1976). (RFP – 2655) 380028
Chung, W.
Empirical renormalization of shell-model Hamiltonians and magnetic dipole moments of sd-shell nuclei. 364673
Spectroscopy of ^{16}C. 356762
Chupakhin, M.S.
Thermal dissociation of $NbSe_2$. 378688
Chupka, Sh.
On interrelations of Sr^{90} contents in the soil-forage plants-milk chain under natural conditions. 349797
Chupka, W.A.
Mechanism for vibrational autoionization in H_2. (ANL – 76-88(Pt.1)) 361350
Rotational effect in the ionization of a highly excited atom by collision with a polar molecule. 353305
Chuprikov, A.V.
Some regularities in hafnium oxidation when heated in air. (INIS-mf – 3839) 367142
Chuprikov, G.E.
Crystallization purification and change of structure during stretching of rare earths out of the molt. 349381
Inorganic materials on rare earth element base. 375823
Magnetic phase transformations and the magnetocaloric effect in single crystals of Tb-Y alloys. 374754
Magnetostriction of intermetallic compounds of rare earths with iron of Laves phase type. 373161
Magnetostriction properties of terbium monocrystals and terbium-gadolinium alloy system. (INIS-mf – 3839) 365173
Magnon component of the electric resistance in terbium-yttrium alloy single crystals. 368737
Some specific features of magnetic and electric properties arising on variation of the Fermi surface topology in terbium-yttrium alloys. 374671
Chuprina, V.G.
Study of corrosion effect on the durability of gas turbine blades. 369813
Churagulov, B.R.
Effect of pressure on partial molar volumes of components in $CdCl_2$-H_2O system. 359661
Churakov, G.F.
Hybrid thermonuclear reactor for fissile material production. (INIS-mf – 3954) 361552
On the calculation of the strength of the "T-20" electromagnetic system. (INIS-mf – 3954) 361642
Poloidal field shaping in the "Tokamak-20" facility. (INIS-mf – 3954) 361502
Preliminary structural analysis of the toroidal field coils for T-10M. (CONF-771029 – 60) 371874
Churakov, Yu.I.
Effect of conduction switching in germanium irradiated with 2,5 MeV electrons. 368724
Effect of short-time "memory" in germanium samples irradiated with accelerated electrons. 368782
Churayev, R.S.
Generalization of the method for averaging the distribution function for particle trajectories as applied to problems of numerical modeling of conic instability of magnetospheric plasma. (N – 77-24684) 365320
Churbanov, M.F.
Mass-spectrometric investigation of tellurium hydride. 351481
Church, F.
Nuclear dilemma: energy, the atom, and survival. 365972
Church, H.W.
Overview of the reactor safety study consequence model. (SAND – 77-0151C) 357824
Simulated atmospheric disperison of radioactive material released in an urban area. (SAND – 77-0854C) 373449
Churchill, W.C.
A two temperature readout of thermoluminescent LiF, its properties and uses for personnel dosimetry. 355551
Churikov, G.M.
Problems of optimum solution selection on the development of automation control of experiments on laser thermonuclear fusion. (INIS-mf – 3954) 364270
Churin, A.I.
Nuclear energy centres and the economic and ecological problems of nuclear power development. 368445
Churin, I.N.
CAMAC system for data readout from various groups of modules. (JINR-R – 10-9056) 350382
Data exchange with M-6000 or HP-2116 computers by means of a CAMAC controller. 376735
Organization of the CAMAC system for data readout from different groups of blocks. 361094
Churkin, V.K.
Molten iron-chromium-nickel alloy oxidation rates during deep decarbonization with argon-oxygen mixture. 375779
Chursin, G.I.
Some pecularities of changes in resistance to plastic deformation of structural materials under the effect of ultrasonic oscillations. (INIS-mf – 3914) 349450
Chursin, G.P.
The role of inelastic processes in the displaced atom production under irradiation of materials by neutrons and charged particles. (INIS-mf – 3996) 364042
Churunova, L.F.
Determination of delay time of cosmic radiation relative to helio-latitudinal index changes of solar activity. 356219
Chused, T.M.
Demonstration of activation of B lymphocytes in New Zealand black mice at birth by an immunoradiometric assay for murine IgM. 373674
Chushkin, V.N.
Effect of the fast breeder concept on the reactor main

characteristics and steam generation parameters. (FEI – 607) 358298
Chusova, G.F.
Niobium band texture. 349447
Chute, F.S.
Use of line charge system for a helical electrostatic quadrupole. 374073
Chutjian, A.
Cross sections for electron impact excitation of the electronic states of N_2. 353212, 376985
Elctron impact excitation of the electronic states of N_2. I. Differential cross sections at incident energies from 10 to 50 eV. 358720
Electron impact excitation of the electronic states of N_2. II. Integral cross sections at incident energies from 10 to 50 eV. 358721, 358728
Electron-impact excitation of the low-lying electronic states of HCN. 368619
Inelastic differential cross sections for electron-impact excitation of argon. 358727
Chuvaev, K.K.
Spectroscopic observations of the Cygnus X-2 x-ray source. 364297
Chuvaev, V.F.
Molecular and electronic structure of heteropoly complexes. 364963
On thermal stability of 12-heteropolycompounds. 375433
Study of aluminium and scandium hydroxofluorides by the method of nuclear magnetic resonance. 362186
Chuvatina, S.N.
Boron content effect on the high-temperature plasticity of corrosion resistant low-carbon austenite type steels. 378627
Chuvelev, A.V.
Lutetium nitrate trihydrate. 359660
Chuveleva, Eh.A.
Calculation of elution output curves of transplutonium elements conformably to displacement complexing chromatography. 378471
Effect of Rind of holding ion on efficiency of rare earths separation by means of displacement complexing chromatography. 378379
Studing sorption mechanism of indium and iron (3) ions on phosphoric-acid cationite KF-7. 378263
Studying composition of complexes formed by non-ferrous metal with nitrilotriacetic acid during rare earths separation by displacement chromatography. 378380
Chuvirova, L.P.
Stability of titanium alloys under conditions of intensive ultrasonic cavitation. (INIS-mf – 3914) 349371
Chuyanov, V.A.
Role of space structure of a feedback system for stabilization of flute oscillations in a rarefied plasma. 348933
Suppression of the low density plasma cyclotron instabilities by excited plasma oscillations. (INIS-mf – 3963) 372105
Chvalovsky, V.
^{29}Si and ^{13}C-NMR chemical shifts in crowded bis (trimethylsilyl)ethenes. 366437
^{29}Si and ^{13}C-NMR spectra of vinyl- and allylsilanes. 366463
Chvartatskij, R.V.
On the calculation of the strength of the "T-20" electromagnetic system. (INIS-mf – 3954) 361642
Chvojka, Z.
High-energy radiation as the chief weapon of the radiotherapeutist in malignant tumour therapy. 379336
Chwang, W.K.
Reactivity of cyclic and acyclic olefinic hydrocarbons in acid-catalyzed hydration. 378237
Chwaszczewska, J.
Silicon spectrometer with a Peltier refrigerator. 355503
Chwaszczewski, S.
Investigation of the neutron detection statistics in fast critical assembly BFS-24-1. 355243
Chwieroth, F.S.
Direct-reaction mechanisms in the $\alpha(p,d)^3$He reaction. 375166
Chye, P.W.
Oxygen sorption and excitonic effects on GaAs surfaces. 351855
Surface and interface states on GaAs(110): Effects of atomic and electronic rearrangements. 351872
Chyla, J.
Charge asymmetry at large psub(T) in inelastic anti pp reactions at 22.4 GeV/c. 353943
Chylinski, A.
The $4\pi\beta$-γ and 4π(x,e)-γ coincidence method with liquid scintillation counter for counting β-particles, Auger-electrons or X-rays. 376614
Chyrczakowski, S.
Experimental studies of laser-produced plasmas within the spherical multipole trap. (INIS-mf – 3963) 371734
Ciafaloni, M.
Classical kinks and their quantization in supercritical reggeon field theory. 368513
Reggeon quantum mechanics: a critical discussion. 368532
Cianchi, L.
The role of nonadiabatic operators in the dynamic Jahn Tehher effect in Al_2O_3/Ti^{3+}. 363982
Ciapala, E.
Phase displacement acceleration of high intensity stacks in the CERN ISR. 363189
Ciardullo, R.B.
Comparison of observations with main-sequence evolutionary models. 372236
Ciarlante, D.
Isolation and characterization of the cell wall receptor of ^{14}C-malformin in Phaseolus vulgaris L. 349836
Cicognani, F.
Plutonium utilization in fast-breeder and light-water reactors in Italy. 368216
Cifarelli, L.
Search for fractionally charged particles produced in proton-proton collisions at the highest ISR energy. 361873
Test of a silica aerogel Cherenchov counter. 361023
Cifkova, I.
Possible application of radionuclides in the quantitative assessment of intramuscular irritation by drugs. 373648
Cihak, J.
Immunological tolerance to lymphocytic choriomeningitis virus in neonatally infected virus carrier mice: evidence supporting a clonal inactivation mechanism. 376150
Cilliers, F.B.
Effective energy values of the 90 degree scattered photons during urological and bronchoscopic radiation studies. 355055
Cimbalnikova, A.
Determination of the chemical composition of glauconites by instrumental neutron activation analysis. (INIS-mf – 4143) 372900
Cimino, A.
The activity of Cr^{2+} and Cr^{3+} ions dispersed in magnesium oxide for the hydrogen-deuterium equilibration reaction. 367086
Cinader, G.
Electron and phonon properties of A-15 compounds and Chevrel phases. 373187
Cindro, N.
Evidence for a rotational band in ^{24}Mg and its fragmentation: A rotation-vibration coupling. 372730
Molecular configurations: the fragmentation of the rotational band at high excitation energies in ^{24}Mg and the rotation-vibration method. 375167
The so-called molecular resonances: some new aspects. 356586
Cini, V.
Characteristics of instrumentation and control system failures in light water reactors. (EPRI-NP – 443) 365518
Cintula, T.C.
Licensed operating reactors. Operating units status report, data as of 09-30-77. 374478, 379624
Ciobanu, G.
On the compatibility of Peierls insulator and antiferromagnetism in quasi-one-dimensional systems. 355972
Ciocanel, A.
The reaction $^{10}B(\alpha,n)^{13}N$ at 18-20 MeV. 356751
Ciocchetti, G.
$0^- \rightarrow 0^+$ beta decay and muon capture in the A = 16 nuclei. 364653
Ciofetta, G.
Effect of posture on distribution of pulmonary ventilation and perfusion studied with sup(81m)Kr and sup(85m)Kr. 367611
Ciofi Degli Atti, C.
Calculations on nuclear matter with state-dependent correlations and a semirealistic nucleon-nucleon potential. 354045
Electromagnetic and hadronic interactions with the few body systems at intermediate energies. (ISS-L – 76-11) 361254
Electromagnetic and hadronic interactions with the few-body systems at intermediate energies. 349107
Cioli, F.
Acoustic emission measurements during the first pressure vessel hydrotest at ENEL – Caorso BWR. 365858
Ciortea, C.
Gamma-gamma angular correlations in ^{151}Sm. 356691
Properties of the 635.4 keV level in ^{171}Tm. 375157
Cipolla, J.W. Jr.
Eigenmode description of the hot ion cyclotron beam-whistler mode instability in parallel shock waves. 350856
Cipolla, S.J.
Neutron dose monitoring using a multiple lithium fluoride TLD badge. 355039
Cipollini, N.E.
Zero-field mobility of excess electrons in dense methane gas. 368509
Cipriani, R.
Up-flow and down-flow burnout. 376508
Cirafici, S.
The heat of formation of the $YbAl_2$ compound. 375535
Ciramella, A.F.
Controllable unit approach to material control. 380135
Nuclear power: new technique for safeguarding special nuclear material. (MLM – 2474(OP)) 374508
Ciric, D.
Auger electron emission by $Na^+(K^+)$ ion bombardment of Ag surface. (INIS-mf – 3996) 364135
Cisar, A.
New reduced zirconium halide phases from high temperature reactions. (IS-M – 117) 369615
Ciscato, V.A.
Correlation between the estimated molecular weight and the immunological properties of ^{125}I-TSH. 373760
Cisek, Z.
Timing scintillation counter type 1052 CAMAC. 376615
Cisowska, B.
Distribution of absorbed dose of ionizing radiation in bone in simulated therapeutic irradiation measured by means of electron spin resonance technique. 379350

Cissel, D.W.
ERB-II operating experience. (CONF-770822 – 6) 366000
ERBR-II: more than a decade of experience with an experimental LMFBR power plant. 371055
Cissoko, G.
Numerical experiments on diffusion in toroidal plasmas. (EUR-CEA-FC – 909) 353540
Citron, A.
Development of rf superconductivity at the nuclear research center Karlsruhe. (KFK-EXT – 3/76-5) 374997
Ciudad, J.
Evaluation of sialograms obtained in the functional and morphological study of salivary glands. (INIS-mf – 4010) 367558
Ciulli, S.
$\pi\pi$ scattering at high complex energies. 361780
Mathematical aspects of the problems of the analytical proposal in elementary particle theory. 349057
PI-PI scattering at high complex energies. (IC – 76-120) 361781
Ciuti, P.
Magnetic topography in duoplasmatron ion sources. 358927
Theoretical model of light-pulse propagation in pipes verified by single-photon technique. 379969
Civetta, L.
Genetic implications of the isotope and trace element variations in the eastern Sicilian volcanics. 362567
Civitarese, O.
Role of the Pauli principle in the spectrum of ^{211}Pb. 372731
Cizek, A.
Positron annihilation in boron nitride crystals. 371698
Claes, J.
An integrated system for the conditioning of radioactive solid wastes and liquid waste concentrates. 358506
Claes, P.
Temperature effect on the yields of heavy products during the radiolysis of n-hexane by accelerated electrons. 354421
Claeson, T.
Superconductivity of indium-silver and tin-silver multilayers. 369250
Superconductivity of Nb_5Ge_3. 351738
Claeys, W.
Ion pair production in H(1S) + H(2S) collisions. 353216
Claiborne, H.C.
Trip report: workshop on risk analysis and geologic modeling in relation to the disposal of radioactive wastes into geological formations. (Y/OWI/TM – 28) 371203
Clain, L.
The effect of some radioactivity sources on the plankton of the Danube river. 357568
Clampitt, R.
Metal ion sources for plating. 377176
Clapham, V.M.
High resolution study of nucleonic cosmic rays with Z >= 34. 368290
Clapp, N.E.
Dynamic boiling tests in a 19-pin simulated LMFBR fuel assembly. (CONF-771109 – 77) 379822
Clare, A.J.
Detection of coolant blockages: problems and possibilities. (CONF-761001 – P2) 362937
Claridge, D.E.
Environmental radioactivity from hospitals. 378889
Clark, A.F.
Definitions of terms for practical superconductors. 365708
Clark, B.C.
Elastic cross sections for e + ^{40}Ca at 757.5 MeV. 364744
Phenomenological optical model for p-^{4}He elastic scattering. 372647
X-ray fluorescence geochemical analysis on the surface of Mars, ch. 4. 374306
Clark, B.E.
An analytical laboratory to facilitate international safeguards. 361206
Clark, B.O.
Precision measurement of the double quantum transition 3^2Ssub(1/2)-3^2Dsub(5/2) in hydrogen. 366327
Clark, C.D.
Radiation damage produced by 0.4-2.0 MeV electrons in diamond. 370143
Clark, C.W.
Characteristics of continuum and bound states of the electron-dipole system. 358730
Electron scattering from diatomic polar molecules. I. The limitations of the Born approximation. 363877
Rotational excitation of polar molecules: delimiting the range of Born approximation. 358729
Clark, D.
Heavy ion facility for radiation therapy. 363289
Clark, D.E.
Volume reduction options for the management of low-level radioactive wastes. (HEDL-SA – 1235) 363642
Clark, D.H.
A new optical supernova remnant in Crux. 359117
Clark, D.J.
Recent progress in heavy ion sources. (LBL – 6500) 360715, 363190
Clark, D.L.
The hyperfine structure and hyperfine anomaly of ^{161}Dy and ^{163}Dy. 354168
Clark, F.O.
Radio observations of fragmentation and localized multiple velocity components in a group of dust clouds in taurus. 350991
Clark, G.F.
A simple automatic cassette for X-ray synchrotron topography. 361428
Clark, G.J.
Application of nuclear reactions for quantitative hydrogen analysis in a variety of different materials problems. (CONF-770642 – 3) 349159
Use of nuclear reactions and SIMS for quantitative depth profiling of hydrogen in amorphous silicon. 359547
Clark, G.W.
X-ray bursts. 369047
X-ray stars in globular clusters. 372136
Clark, J.
Stable propagation of a high-current electron beam: experimental observations and computational modeling. (UCID – 17516) 366507
Clark, J.B.
High pressure synthesis of Gd_3InO_6, Tb_3InO_6, and Lu_3InO_6. 365209
Clark, J.C.
Effect of posture on distribution of pulmonary ventilation and perfusion studied with sup(81m)Kr and sup(85m)Kr. 367611
Clark, J.H.
Silane purification via laser-induced chemistry. 369532
Clark, J.P.A.
Evolution of close neutron star binaries. 350992
Limits on the finite size effect in gravitational radiation. 361674
Clark, J.W.
Pairing energy of liquid ^{4}He. 353742
Clark, Jr.L.
Homogeneously doped silica matrices for trace element standards in neutron activation analysis. 372902
Clark, L. Jr.
Renovation of the MIT research reactor. 358313
Clark, L.P.
Weldability of hot isostatically pressed prealloyed titanium 6Al – 4V powder. 362411
Clark, M.
Non-diffractive photoproduction of vector mesons. 353784
Clark, P.B.
Improving regulatory effectiveness in Federal/State siting actions. Nuclear power plant licensing: A New England perspective. Final report. (PB – 269388) 366174
Clark, P.M.
Rack for nuclear fuel elements. (US patent document 4,042,828/A/) 368158
Spent fuel storage basis for new nuclear power plants. 352407
Clark, R.
Microscopic characterization of fly ash. (LF – 56) 365536
Clark, R.B.
Charmed meson production in electron-positron annihilation. 372437
Clark, R.C.
Improving the cost-effectiveness of HEPA filters via dielectrophoretic prefilters. 360526
A new electrostatic precipitator for HEPA prefilter use in the nuclear industries. 360525
Clark, R.H.
B and W-designed close-spaced fuel storage racks. 352656
Increasing reliability and availability of B and W nuclear steam systems. 370911
Clark, R.W.
Magnetic compression and electrostatic reflection of very high upsilon/γ electron beams. 363318
Clark, W.
Repetitively pulsed spark gap switches for pulsed CTR applications. (EPRI-ER – 376-SR) 361518
Clark, W.E.
Immobilization of iodine in concrete. (US patent document 4,017,417/A/) 374406
Clarke, C.F.
Application of the potential-drop method to measurements of hydrogen-induced sub-critical crack growth in zirconium-2.5 wt% niobium. (AECL – 5815) 363373
Clarke, C.J.S.
The application of Dewitt-Morette path integrals to general relativity. 363761
Clarke, D.
Astronomy – structure of the universe. 351072
Astronomy: structure of the Universe. 372251
Clarke, D.R.
Work hardening of fibrous composites with particular reference to the copper – tungsten system. 362378
Clarke, E.M.
Direct observation of multiphoton processes in laser-induced free-free transitions. 350692
Clarke, G.W.
Discovery of an X-ray QSO. 366741
Clarke, J.
Superconductive bolometers for submillimeter wavelengths. 374004
Clarke, L.J.
The structure of clean and oxygen covered Mo (001) and Mo (111) surfaces determined from low energy electron diffraction. 369921
Clarke, L.P.
An improved uptake probe designed for a large crystal rectilinear scanner. 376616
Clarke, M.A.
Improvements in or relating to vessels. (UK patent document 1486239/A/) 360836
Clarke, M.E.
An automatic helium purifier for integration with small laboratory

liquefiers. 360636
An oil removal system for an oil-injected screw compressor on helium. 360639
A 300 W 1.8 K refrigerator and distribution system for the CERN superconducting RF particle separator. 360735
A 4.4 K refrigeration system for an industrial magnetic separator. 360616

Clarke, P.T.
Standard stereograms for materials science. 357258

Clarke, R.H.
Individual and collective doses due to ^{41}Ar based on measured discharge rates from CEGB Magnox reactors. 370538
Nuclear power and the environment. 370630
A quantitative assessment of nuclear incineration of actinide waste. 355635

Clarke, W.B.
Dissolved helium in lakes: uranium prospecting in the Precambrian terrain of central Labrador. 357451

Clarkson, T.W.
Radioactive mercury vapor generating and exposing system for small scale animal experiments. 367602

Class, G.
Dynamic model of the formation of collective heterogeneous boiling nuclei. 373988
Investigation of the fuel-rod-behavior during the blowdown-phase of a loss-of-coolant-accident. (KFK – 2435) 358178
Theoretical investigation of pressure pulsations occuring during steam condensation in the BWR-pressure suppression system. (KFK – 2487) 368093

Claudet, G.
Analysis of some processes derived from the Claude refrigeration cycle. 360608
Superfluid helium bath for superconducting magnets. 360635

Claus, J.
New scheme for the design and operation of proton – proton storage accelerators. (BNL – 22926) 374054

Clausen, K.
Measurements of energy spectra and doses in liquid air of neutrons from a californium-252 source. 372556

Clauser, M.J.
Electron beam driven implosions. (SAND – 77-1506C) 371733
Electron deposition in thin targets. (SAND – 77-2000C) 371541
Pulsed power applications to intense neutron source development. 355203
Rayleigh-Taylor instabilities in inertial-confinement fusion targets. 366538

Clausing, R.E.
Effects of neutron irradiation on microstructure and mechanical properties of Nimonic PE-16. 357236

Clausnitzer, G.
The polarized proton capture reaction $^{7}Li(p, \gamma)^{8}Be$ in the energy range from 380 to 960 keV. 354273

Clauss, J.
Are the containers used for the transport of fuel elements safe. 376341

Claussen, C.
Craniofacial diagnosis by the whole-body computer tomograph (Delta-Scanner, Fa. Ohio Nuclear). 370483
Energy degradation in elastic-collision spikes. (INIS-mf – 3996) 363983

Claussen, N.
Directionally solidified ZrO_2 – Ta and $ZrO_2(Y_2O_3)$ – Ta composites. 360039

Clavelier, B.
The Mark II Nancay radioheliograph. 372129

Clavier, C.M.
Neutron logging of formation porosity. (US patent document 4,035,639/A/) 363086
Neutron well logging technique for gas detection. (US patent document 4,047,027/A/) 367883

Clay, H.R.
Power Generation Control Complex, design criteria and safety evaluation. (NEDO – 10466(Rev.1)) 368051

Clayton, A.R.K.
Method of producing a superconductor. (German (F.R.) patent document 1558786/C/) 367209

Clayton, C.G.
Analysis of stream sediment and soil samples using a high resolution energy-dispersive X-ray fluorescence spectrometer. 375243
Applications of nuclear techniques in the coal industry. 375971
Some considerations relating to the accuracy of measuring the ash content of coal by X-ray backscattering. 376267
Some recent applications of nuclear techniques in the exploration and mining of metalliferous minerals. 375972

Clayton, D.D.
Cosmoradiogenic ghosts and the origin of Ca-Al-rich inclusions. 357452
Interstellar potassium and argon. 372137

Clayton, E.
Local and nonlocal potentials for low energy pion-nucleon scattering. 356401
Total cross sections for charged-current neutrino and antineutrino interactions in BEBC in the energy range 20-200 GeV. 353945

Clayton, E.D.
Effect of fixed and soluble neutron absorbers on the criticality of uranium-plutonium systems. 358041, 363123
Effective neutron isolation thickness values obtained from reflector savings data. 360686

Clayton, J.C.
Ellipsometric study of the anodic oxide of vanadium. 365141
Thorium oxide granule and compact properties which are important to ThO_2 and ThO_2 – UO_2 fuel pellet fabrication (LWBR development program). (WAPD-TM – 1231) 360968

Clayton, R.N.
Correlated oxygen and magnesium isotope anomalies in Allende inclusions, I: Oxygen. 350993

Cleark, R.G.
U.S. commercial nuclear power: a status report. (PB – 272081) 371220

Cleary, T.P.
Inelastic scattering of π^+ Mesons from nuclei at 50 MeV. 369493

Cleaver, J.E.
Xeroderma pigmentosum: cellular and enzymatic defects in repair of radiation- and carcinogen-induced damage to DNA. 362698

Clegg, L.J.
Radioactive decay properties of CANDU fuel. Volume 1: the natural uranium fuel cycle. (AECL – 4436/1) 360932
Radioactive decay properties of CANDU fuel. Volume 1: the natural uranium fuel cycle. (AECL – 4436/2) 360933

Clegg, P.E.
Microwave background spectrum – survey of recent results. 366745

Clegg, R.E.S.
The carbon and nitrogen abundance of gamma Pavonis. 356185
Carbon and nitrogen abundances in F- and G-type stars. 356204

Clegg, T.B.
A pulsed beam time pickoff system for nanoampere beams. 363290

Cleghorn, T.
Cosmic-ray antiproton flux: an upper limit near that predicted for secondary production. 372118

Cleland, L.L.
Approach to performance based regulation development. (UCRL – 79218) 353013
Safeguards material control at licensed processing facilities. (UCID – 17525-77-1) 358588

Cleland, M.R.
The Dynagen IV – a compact high-intensity neutron source. 355177

Clelland, D.A.
Support for a nuclear future: student response to the CRBRP. (CONF-771109 – 49) 379222

Clelland, D.W.
Improvements in or relating to the storage of material. (UK patent document 1485266/A/) 361126
The management of radioactive wastes from reprocessing operations. 371185

Clemens, E.
Differential cross sections and coherence effects for excitation of K in collisions with N_2 and CO. 353282, 377050

Clemens, K.
Device for welding pipes onto pressurized elements, like tube sheets, pressure vessels, headers and the like. (German (F.R.) patent document 2519876/A/) 355148

Clement, B.
Regulatory inspections in France – Organisation and acquired experience. (INIS-mf – 4058) 361176

Clement, C.F.
Analytic solutions to mass transport equations for cylindrical nuclear fuel elements. 370830
Correlations in M1 neutron capture as evidence for a semi-direct mechanism. 361969
The movement of lenticular pores in UO_2 nuclear fuel elements. 370831
Transport of sodium through the cover gas of a sodium cooled fast reactor. (CONF-760503 – P2) 352734

Clement, H.
The effective T=1 two-particle matrix elements in the fp shell. 378076

Clement, J.D.
Georgia Institute of Technology research on the gas core actinide transmutation reactor (GCATR). (CONF-760646 –) 374241
UF_6 breeder reactor power plants for electric power generation. (CONF-760646 –) 374265

Clement, M.
Experimental evidence of ion heating by transit time magnetic pumping. 353516
Tokamak discharges in Petula with alumina chamber. (INIS-mf – 3963) 371737

Clementel, E.
The development of an integrated nuclear fuel-cycle industry to meet the needs of the Italian nuclear power programme. 368439

Clements, R.M.
Pulsed spherical probe measurements of plasma conductivity in a flowing continuum plasma. 356100

Clemson, H.C.
Diagnosis of acute myocardial infarction in patients undergoing open heart surgery: a comparison of serial myocardial imaging with cardiac enzymes, electrocardiography, and vectocardiography. 357646

Clendenin, J.E.
Depolarization effects in pulsed photoionization of state-selected lithium. 350556
Operating experience with the polarized electron gun at SLAC. 363130

Clercq, A. de
Study of the fission products of ^{235} ^{238}U by irradiation with 25 MeV bremsstrahlung. 356903

Clercq, C. de
A study of the reactions $K^-d \rightarrow K^-d$ and $K^-d \rightarrow K^-n(psub(s))$ at 4.5 GeV/c. 353954
Clerici, L.
The activity of mammalian polynucleotide ligase on X-irradiated DNA's. 376065
Cleveland, E.B.
Implementation of availability engineering in the nuclear utility industry. 379610
Cleveland, J.C.
ORTAP: a nuclear steam supply system simulation for the dynamic analysis of high temperature gas cooled reactor transients. (ORNL/NUREG/TM – 78) 365911
ORTAP: a simulator of high temperature gas-cooled reactor nuclear steam supply system dynamics. (CONF-770728 – 1) 352676
Simulation of the response of the Fort St. Vrain high temperature gas cooled reactor system to a postulated rod withdrawal accident. (CONF-770708 – 1) 373798
Clewley, J.D.
The slow step for hydrogen absorption (desorption) by activated $LaNi_5$. 367276
Cleymans, J.
Hadrons from Psub(1/2) quark quantum modes in the MIT bag model. 369273
Cliff, K.D.
The measurement of low concentrations of radon-222 daughters in air, with emphasis on RaA assessment. 376042
Population exposure to the short-lived daughters of radon-222 in Great Britain. 365633
Cliff, R.A.
Prediction and measurement results of radiation damage to CMOS devices on board spacecraft. (N – 77-19162) 363632
Clifft, B.E.
Ultra-short pulses of heavy ions. 360713
Clifft, R.W.
Observation of a baryon exchange dip and parton effects in backward photoproduction of ω. 372513
Clift, R.
Hematologic changes and thrombopoietin production in mice after X-irradiation and platelet-specific antisera. 357580
Clift, R.A.
Treatment of blastic transformation of chronic granulocytic leukemia by chemotherapy, total body irradiation and infusion of cryopreserved autologous marrow. 373563
Clinard, F.W. Jr.
Electrical insulators for magnetically confined fusion reactors. 373341
Neutron-irradiation damage in stabilized ZrO_2. 357408
Clinard, J.A.
An assessment of the validity of inelastic design analysis methods by comparisons of predictions with test results. (IWGFR – 11) 354504
Elevated-temperature benchmark tests of simply supported beams and circular plates subjected to time-varying loadings. (ORNL – 5301) 358058
Cline, C.
Observation of elastic neutrino and antineutrino scattering and parity violation in the weak hadronic neutral current. 353995
Cline, D.
Determination of γ softness in ^{192} ^{194} ^{196}Pt from Coulomb excitation with ^{136}Xe projectiles. 364800
The effective T=1 two-particle matrix elements in the fp shell. 378076
Elastic neutrino proton and antineutrino proton scattering. (COO – 3071-231) 361884
Nuclear structure of ^{41}Ca from inelastic proton scattering. 372826
Producing massive neutral intermediate vector bosons with existing accelerators. 353991
Quadrupole moment of the first excited 2^+ state of ^{18}O. 351424
Cline, J.F.
Revegetation of a waste disposal site in the 200 areas of the Hanford Reservation. (PNL – 2454) 378831
Cline, T.L.
No new limit on the size distribution of gamma-ray bursts. (N – 76-34110) 361675
Search for gamma-ray bursts with coincident balloon flights. (N – 77-14977) 361676
Clinkard, J.E.
Wedge transmission data errors caused by backscatter into monitor chamber. 376617
Clinton, J.
Hydrides of La – Ni compounds. 351838
Clinton, W.L.
Materials sciences overview. II. Workshop reports. A series of workshops recommending future directions in energy-related basic materials research. (ERDA – 77-76/2) 362348
Clopp, H.W.
High-mass K* production in K⁺d interactions at 9 GeV/c. 372509
Clorius, J.H.
Interpretation and significance of the isotope nephrogram. 354887
Close, F.E.
High momentum transfer physics. 351146
Whirlpools in the sea: Polarization of antiquarks in a spinning proton. 372387
Closs, K.D.
Irradiation induced creep experiments in the BR2 reactor using the resonant cavity method. 360066
Cloth, P.
Application of the unfolding technique to spectral measurements in an FTR model blanket. 368926
The dense plasma focus – a high intensity neutron source. 353519
Neutronics of a dense-plasma focus: an investigation of a fusion plasma. 361519
Tritium production in a controlled thermonuclear reactor blanket model with a graphite reflector. 350865
Clough, D.J.
Creep properties of oxide and carbide fuels under irradiation. 360067
Clough, P.N.
Reactive scattering of atomic oxygen. 376992
Cloutier, R.J.
Energy sources for the future. (CONF-760744 –) 356140, 357583, 357593, 357720, 357723, 357751, 357820, 358526, 358564, 358591
Pregnant woman mode for absorbed fraction calculations. 360532
Clover, M.R.
Microscopic folding-type estimates of fusion barriers in heavy-ion collisions. 377870
Spins of resonances in the $^{12}C + ^{16}O$ system. 362104
Transmission measurements for heavy ion beams through the Rochester MP Tandem. 363294
Cnadt, P.A.
Edge blockages in 19-pin sodium-cooled bundles. 352235
Cnare, E.C.
Pulsar – a flux compression stage for coal-fired power plants. 360610
Cnops, A.
Dilepton production by neutrinos in neon. 351210, 353929
Cnops, A.M.
Charm and strange particle production in neutrino interactions. 353950
Quasi-elastic neutrino scattering and the axial vector form factor. 353951
An upper limit for the radiative decay width of the J/psi resonance into eta'(958)+γ. 369353
Coady, J.R.
Radioactive decay properties of CANDU fuel. Volume 1: the natural uranium fuel cycle. (AECL – 4436/1) 360932
Radioactive decay properties of CANDU fuel. Volume 1: the natural uranium fuel cycle. (AECL – 4436/2) 360933
Coakley, W.T.
Lethality in mammalian cells due to hyperthermia under oxic and hypoxic conditions. 376056
Coast, G.
Nuclear thermal power plant. (German (F.R.) patent document 1539904/C/) 350236
Process plant. (UK patent document 1486035/A/) 358325
Coates, G.
Lung density: clinical method for quantitation of pulmonary congestion and edema. 357687
Cobb, D.D.
Modeling and simulation in the design and evaluation of conceptual safeguards systems. (LA-UR – 77-1366) 353002
Cobb, J.H.
The cross section for the production of massive electron pairs and the UPSILON(9.5 GeV) in proton-proton collisions at the CERN ISR. 369367
Study of photons produced simultaneously with the J/psi particles at the CERN Intersecting Storage Rings. 377794
Cobb, W.A.
NSS design and plant construction interfaces. 358164
Cobb, W.R.
Hatch-1 core management data magnetic tape transfer to central office. 358195
Utility needs for codes to perform reactor physics and core follow work. 360903
Cobble, J.A.
Resonant optical schlieren system for plasma flow studies. 350942
Cobbold, R.S.C.
Migration of ion-implanted krypton in silicon during anneal. 367346
Cobbs, J.H.
Review and assessment of deep-well injection of hazardous waste. Volume I. Final report. (PB – 269001) 371209, 371210, 371211, 374446
Cobern, M.E.
Spectroscopy of ^{16}C. 356762
Study of ^{78}As with the ^{80}Se(d,α) reaction. 356839
Upper limit for the presence of superheavy elements in monazite from Madagascar. 351392
Cobic, B.
Electron capture and loss by metastable and ground-state N^+ ions in collision with inert gases. 366379
Cocconi, G.
Dimensional considerations about elementary particles. 375025
Search for quarks produced with large transverse momentum in 400-GeV proton-nucleus collisions. 359331
Cocconi, V.T.
Inclusive yields and transverse spectra of non-strange mesons. 353853
Spin and lifetime of the Ω^- hyperon. 372517
A study of direct and indirect pion production in π^+p interactions at 16 GeV/c. 377804
Coceva, C.
Search for spin dependence of the neutron strength function in ^{165}Ho. 372732
Cochet, C.
Inclusive production of charged pions in K^-p interactions at 32 GeV/c. 353960

Cochet, J.C.
Erosion by cavitation in the diffuser of a mechanical pump. (IWGFR – 9) 350097
Cochran, F.L.
Experimental and numerical studies of magnetohydrodynamic stability properties of a rectangular-cross-section finite-β toroidal plasma. 350794
Cochran, M.I.
Analysis of natural systems. Quantitative ecology of impact evaluation. (BNWL – 2100(Pt.2)) 362568
Cochran, R.G.
Nuclear reactor control system design with sensor failure. 368064
Cochrane, D.A. Jr.
Offshore environmental monitoring program for a proposed nuclear power plant in Islote, Puerto Rico: operations and planning. 352209
Cocke, C.L.
Experimental differential cross section for electron capture from helium by 293 keV protons. 350582
X-rays from foil-excited beams at tandem energies. 374055
Cocke, W.J.
Brief introduction to relativity. 371356
Cockrell, R.G.
Florida Power and Light Nuclear Power Engineering Training Program. 358124
Cockrum, R.H.
Effect of oxidation-expanded defects upon MOS parameters. 367343
Cocks, A.T.
Gas-side corrosion in AGR boilers – a chemist's prescription. 369814
Cockshott, W.P.
Lung density: clinical method for quantitation of pulmonary congestion and edema. 357687
Cocu, F.
Analysis of experimental data on neutron reaction on carbon for the energy range to 20 MeV. (INIS-mf – 3897) 356779
Evidence for a rotational band in ^{24}Mg and its fragmentation: A rotation-vibration coupling. 372730
The nuclear deformation of ^{148}, ^{15} + H0, ^{152}, ^{154}Sm determined from neutron scattering measurement. (INIS-mf – 3897) 356876
Coddet, C.
Comparative study of the oxidation with water vapor of pure titanium and of Ti – 6Al – 4V. 362305
Study of the oxidation behaviour of the TA6Zr5D (685) alloy at high temperature. 378297
Code, A.D.
An atlas of ultraviolet stellar spectra. 369048
Coelho, H.T.
Nucleon-nucleon interaction in nuclear matter. 359365
Coensgen, F.H.
Directions for possible upgrades of the Mirror Fusion Test Facility (MFTF). (UCRL – 80475) 377380
Coerdt, W.
Determination of uranium in minerals by instrumental neutron activation analysis and spectrophotometry, two independent methods. (KFK – 2458) 354303
Coeroli, C.
On the control of ribosomal protein biosynthesis in Escherichia coli. 354953
On the control of ribosomal protein synthesis in Escherichia coli. 360396
Coetzee, P.P.
Utilization of cyclotron produced fast neutrons in the activation analysis for oxygen. 372905
Coffeen, D.L.
The Voyager mission photopolarimeter experiment. 374929
Coffelt, J.A.
Alterations in premating behavior and pheromone biology of gamma-irradiated Trichoplusia ni (Lepidoptera:Noctuidae). 357670
Coffey, H.E.
Solar – geophysical data number 391. Part II. Comprehensive reports. Data for September 1976 – August 1976 and miscellanea. (PB – 267242) 359069
Solar – geophysical data number 392. Part I. Prompt reports. Data or March 1977 – February 1977. (PB – 268660) 361677
Solar – geophysical data number 393. Part I. Prompt reports. Data for April 1977 – March 1977. (PB – 270309) 361679
Solar – geophysical data number 394. I. Prompt reports. Data for May 1977 – April 1977. (PB – 271322) 377596
Solar – geophysical data number 394. II. Comprehensive reports. Data for December 1976 – November 1976 and miscellanea. (PB – 271323) 377597
Solar-geophysical data number 391. Part I. Prompt reports. Data for February 1977 – January 1977. (PB – 267241) 359068
Solar-geophysical data number 392. Part II. Comprehensive reports. Data for October 1976 – September 1976 and miscellanea. (PB – 268661) 361678
A summary of significant solar-initiated events during STIP intervals I and II. 372266
Coffey, P.E.
Ozone transport from stratosphere to troposphere. 360195
Coffin, J.P.
Heavy ion reaction studies at medium-mass nuclei: I. Quasi-elastic processes. (LYCEN – 7702(pt.2)) 369500
The onset of friction in heavy ion transfer reactions. (CRN-PN – 77-16) 369499
The onset of friction in heavy-ion transfer reactions. 362084
Coffin, T.C.
Ratio of neutral-current to charged-current cross sections for inclusive neutrino interactions in hydrogen. 351220
Coffman, F.E.
Overview of near-term magnetic confinement fusion reactor designs. 377374
Coggiola, M.J.
Molecular beam studies on multiphoton dissociation of polyatomic molecules. (LBL – 6275) 358748
Coggle, J.E.
Negative pion irradiations of the mouse testis. 352032
Coghen, T.
The effect of resonance production on angular correlations. 353935
Strange particle production in three- and four-body final states of 16 GeV/c π^+p reactions. 353944
Coghlan, H.C.
Visualization of atrial myocardium with thallium-201: case report. 373649
Cogne, F.
Safety requirements and options for a large fast neutron reactor. 370539
Cohen-Tannoudji, C.
Effect of a non-resonant irradiation on atomic energy levels – application to light-shifts in two-photon spectroscopy and to perturbation of Rydberg states. 353217
Cohen-Tannoudji, G.
Duality and mass-slope correlation in diffractive dissociations. 353785
The three-component dual Deck model, factorization and double diffractive dissociation. 356402
Cohen, A.
The effect of vibrational energy of the reactants on ion-molecule reactions. A phase space approach. 355868
Cohen, A.M.
Quasars near bright galaxies – results from the Jodrell Bank 966-MHz survey. 374885
Cohen, B.I.
Effects of beat-wave electron trapping on stimulated Raman and Thomson scattering. (UCID – 17582) 364181
Hybrid simulations of quasineutral phenomena in magnetized plasma. (UCRL – 80009) 366510
Nonlinear saturation of the trapped-ion mode by mode coupling in two dimensions. (UCID – 17529) 356101, 364182
Cohen, B.L.
Disposal of nuclear wastes. 374424
Issues in plutonium toxicity. (CONF-760744 –) 357593
Cohen, D.
Air pollution measurements in a semi-arid zone, using neutron activation analysis. 367441
K anti K amplitude analyses. (ANL-HEP-CP – 77-37) 361879
Cohen, E.L.
New and superior adrenal imaging agent, ^{131}I-6β-iodomethyl-19-nor-cholesterol (NP-59): evaluation in humans. 357652
Cohen, G.G.
Stellar crystal x-ray spectroscopy on OSO-8. (CONF-7510169 –) 364352
X-ray polarization experiment on the OSO-8. (CONF-7510169 –) 364426
Cohen, H.
Pulse radiolysis as tool to study intramolecular electron transfer reactions. (INIS-mf – 3663) 355101
Cohen, J.J.
Determination of performance criteria for high-level solidified nuclear waste. Draft technical report, Jun 1976 – Feb 1977. (PB – 269857) 366067
Relative hazard of nuclear wastes and naturally occurring toxic minerals. 352329
Risk assessment and radioactive waste management. (UCRL – 79293) 374390
Systems analysis approach to nuclear waste management problems. 362890
Cohen, J.S.
The effect of initial vibrational energy on chemi-ionization of H_2 by He(2^3S) and He(2^1S). 353218
Cohen, L.
Cyanides: decomposition and determination. (IA – 1340) 367084
Expansion velocities of laser-produced plasmas determined from extreme ultraviolet spectral line profiles. 358940
Prediction and identification of some transitions associated with 2psup(k) and 2psup(k-1)3l configurations in six-, seven- and eight-electron ions. 355888
Cohen, L.M.
Improved evaluation of nozzle corner cracking. Final report. (EPRI-NP – 339) 360886
Cohen, M.
A study of the planetary nebulae Abell 30 and Abell 78. 356205
Cohen, M.H.
Functional-derivative study of the Hubbard model. I. Perturbation method and first-order approximation. 367285
Cohen, M.O.
Analysis of LWR post-LOCA gamma ray energy redistribution. 352297
Monte Carlo simulated dose to the human body due to neutrons emitted in laser-fusion. 360535
Cohen, N.
Americium-241 in bile and feces. (COO – 3382-16) 379106
Assay for Pb-210 in the urine of selected residents of Grand Junction, Colorado. (COO – 3382-16) 379119
Chelation of curium in the adult baboon using Ca- and Zn-DTPA. (COO – 3382-16) 379105

Determination of the efficacy of orally administered Ca-EDTA for the provocative chelation of Pb-210 from the skeleton of the baboon. (COO – 3382-16) 379120
Effect of alcohol on internally deposited Am-241 in the baboon: a pilot study. (COO – 3382-16) 379090
Estimation of skeletal burden of 'bone-seeking' radionuclides in man from in vivo scintillation measurements of the head. 365415
In vivo scintillation measurements for Pb-210 deposited in the skeleton and bioassay for Pb-210 in the urine of former uranium miners. (COO – 3382-16) 379118
Long term behavior of Am-141 in an adult and a youth. (COO – 3382-16) 379104
Radioactivity studies. Progress report, July 1, 1976 – June 30, 1977. (COO – 3382-16) 379090, 379104, 379105, 379106, 379107, 379118, 379119, 379120, 379126
Uranium and thorium decorporation: a review. (COO – 3382-16) 379107

Cohen, Paul
Method of detecting a fuel element failure. 358092

Cohen, R.C.
Extraction system of the Nevis Synchrocyclotron. 363209
Operation status of the Nevis Synchrocyclotron. 363348

Cohen, R.H.
Tandem mirror rate code and cyclic purging of alphas in tandem reactors. (UCID – 17544) 358928

Cohen, R.J.
HI observations of Shostak's high-velocity cloud. 374892

Cohen, R.L.
Degradation of hydrogen-absorbing rare earth intermetallics by cycling. 375824
What is the mechanism of hydrogen absorption in rare-earth intermetallics. 373169

Cohen, S.
Speakeasy-3 reference manual. Level MU. IBM OS/VS version. (ANL – 8000(Rev.2)) 366208

Cohen, S.A.
O-H charge exchange in cold, dense hydrogen plasmas. 371795

Cohen, S.L.
Selection of nuclear power plant operators using the basic mathematics and science test. (EPRI-SR – 28) 352949

Cohen, Y.
Immunotherapy counteracting the immuno-depressive effect of radio and chemotherapy. 379076
Radiopharmaceuticals. (INIS-mf – 4010) 357089

Cohendy, G.
Considerations relating to different types of packaging. 350040

Cohn, C.E.
Neutron induced gamma spectrometry for on-line compositional analysis in coal conversion and fluidized-bed combustion plants. (CONF-771072 – 3) 378118

Cohn, D.R.
Compact high-field ignition test reactor (HFITR) using bitter magnets. 377375

Cohn, J.
The gauge in general relativity. 376945, 376946

Cohn, S.H.
A facility for in vivo measurement of kidney and liver cadmium by neutron capture prompt gamma ray analysis. 359575
In-vivo measurement of kidney and liver cadmium by neutron capture prompt gamma-ray analysis. (BNL – 23632) 378176
Kinetics of inhaled krypton in man. 370397
Total body sodium and chlorine in normal adults as determined by neutron activation analysis. 369540

Coisson, R.
Monitoring high energy proton beams by narrow-band synchrotron radiaton. 363191

Cojocaru-Udrea, E.
Target stimulated laser breakdown in air. 356102

Cojocaru, E.
Anomalous heating owing to parametric instabilities in the laser produced plasma. 377376
Charge collection measurements on TEA CO_2 laser produced plasma on metallic targets. 377331

Cojocaru, L.N.
The solubility and diffusion of argon in UO_2 and the UO_2-SiO_2 system. 378603

Cojocaru, M.
A comparison of two methods of pulse-shape discrimination for alpha-gamma separation with trans-stilbene. 363590

Coker, W.R.
"Nuclear matter" approach to the energy dependence of the real part of the proton-nucleus optical potential at intermediate incident energies. 351304

Colborn, R.P.
Chemistry in the production and refining of some nuclear materials. (INIS-mf – 4203) 375739

Colburn, R.P.
Techniques for studying corrosion and deposition of radioactive materials in sodium loops. (IWGFR – 7) 360967

Colchin, R.J.
Solid hydrogen pellet injection into the ORMAK tokamak. 348914, 361535

Coldea, M.
Nuclear magnetic resonance of lanthanide-copper compounds with $CeCu_6$ structure. 364938
Some contributions to the investigation of V_2O_5 – MoO_3 system. 356555

Cole, A.
Radiation and biophysical studies on cells and viruses. Progress report, April 1, 1976 – June 30, 1977. (ORO – 2832-184) 373475

Cole, A.J.
^{16}O-^{12}C scattering: description of the gross structure features using an optical model. 354056
Complete identification of products of the reaction $^{20}Ne + ^{12}C$ at 110 MeV. 354239

Cole, C.R.
Multicomponent mass transport model: theory and numerical implementation (discrete-parcel-random-walk version). (BNWL – 2127) 365250

Cole, D.J.
Interferometer measurements of HI absorption in the direction of 16 extragalactic radio sources. 374952

Cole, F.T.
Accelerators for fusion: a panel discussion. 363192
Fermi National Accelerator Laboratory monthly report, June 1977. (FERMILAB – 77/6) 363193

Cole, M.W.
Atomic and molecular beam scattering from crystal surfaces in the quantum regime. 377177

Cole, R.
Design and performance of an 8 cm thick intrinsic germanium detector telescope. 363559

Cole, R.K.
High resolution (p,2p) studies at 800 MeV. 372733

Cole, R.K. Jr.
Method of Streeter and Wylie for multidimensional wave propagation. (SAND – 77-0549C) 373989

Cole, T.E.
High-temperature gas-cooled reactor safety studies. Progress report for January 1, 1974 – June 30, 1975. (ORNL – 5183) 365912

Cole, T.R.
Material end-plugging for the Scylla IV-P linear theta pinch. (LA-UR – 77-2453) 377418

Colegrove, F.D.
Josephson junction technology program. Phase I. Final report 4 Oct 1976 – 21 Apr 1977. 360609

Coleman, C.E.
In-reactor oxidation of crevices and cracks in cold-worked Zr-2.5 wt.%Nb. 373339

Coleman, C.F.
Positron annihilation – a potential new NDT technique. 350594, 353219

Coleman, D.S.
An investigation of the factors affecting the cathodic etching for cleaning metal surfaces prior to ion-plating. 377299

Coleman, L.C.
Time-resolved x-ray spectra of laser irradiated high-Z targets. (UCRL – 79783) 377469

Coleman, L.W.
Diagnostics developments and applications for laser fusion experiments. (UCRL – 79793) 366517
Diagnostics systems developments and applications for laser fusion experiments. (UCRL – 80058(Rev.1)) 364183
Laser fusion ion temperatures determined by neutron time-of-flight techniques. 364219
Shiva target irradiation facility. (UCRL – 79784) 377476

Coleman, P.G.
Positron-helium scattering cross sections at low energies. 353204

Coleman, R.E.
Correlation between computerized transaxial tomography and radionuclide cisternography in dementia. 352098
Preparation and evaluation of leukocytes labelled with indium-111. 354923

Coleman, S.
Are there geon analogues in sourceless gauge-field theories. 363762
Fate of the false vacuum. II. First quantum corrections. 371350
Non-Abelian plane waves. 353062
There are no classical glueballs. 353061

Coles, S.J.T.
Adsorption of gold on low index planes of rhenium. 362388

Coles, W.A.
Angular size of the Crab Pulsar at 74 MHz. 356206

Colestock, P.
Space potential measurements on EBT. (INIS-mf – 3963) 377425

Colestock, P.L.
Asymptotic solution of lower-hybrid wave propagation in two-dimensional inhomogeneous plasma. 374814
Effects of global field errors on ELMO Bumpy Torus. (ORNL/TM – 6075) 368983

Colgate, S.A.
Helium (3) rich solar flares. (LA-UR – 77-1055) 361680
Nuclear reactor core safety device. (US patent document 4,028,179/A/) 352210
Thermal x-rays and deuterium production in stellar flares. (LA-UR – 77-1056) 364298

Coll, B.
Evolution equations for Killing fields. 350493

Colla, G.
Use of a MWPC in a big magnetic spectrometer as a counter hodoscope for fast majority discrimination. 379873

Collard, G.
Treatment and control of gaseous effluents from light water reactors and reprocessing plants. 358473

Collas, P.
General relativity in two- and three-dimensional space – times. 358647

Collatz, E.
Identification of the tRNA-binding sites on rat liver ribosomes by affinity labeling. 352094

Collecott, P.S.
Definition of renormalized field products. 358648
Collet, P.
A numerical test of Borel summability in the epsilon-expansion of the hierarchical model. 361255
Colley, D.
Observations of radio sources near K3-50. 359070
Colliaux, D.
Accessory for the electron probe microanalysis of thin samples. 355517
Collier, R.P.
Thermodynamic properties and Hall currents in MPD accelerators. 371579
Colliex, C.
Contribution of field effects to the achievement of higher brightness ion sources. 379379
Colliex, Christian
Recent trends in energy loss spectroscopy of transmitted electrons. Possible uses for elemental characterization. 355516
Colligon, J.S.
On experimental and theoretical considerations of recoil implantation. (INIS-mf – 3996) 364011
Collin, G.J.
Reactions of tert-$C_4H_9^+$, tert-$C_5H_{11}^+$, and CH_3-cy-$C_5H_9^+$ ions with pentenes. 357143
Collin, J.
A study of the physical and chemical conditions required to determine vanadium in steels by atomic absorption spectrometry also allowing the determination for copper, chromium, nickel and manganese. 372927
Collin, J.E.
Autoionization in atomic and molecular physics. 366328
Colling, D.A.
Polynary uranium alloys. 373199
Collins, A.T.
Radiation damage in natural semiconducting diamond. 370144
Collins, B.L.
Experiment data report for semiscale Mod-1 test S-06-1 (LOFT counterpart test). (TREE-NUREG – 1121) 357747
Experiment data report for semiscale Mod-1 Test S-06-2 (LOFT counterpart test). (TREE-NUREG – 1122) 357806
Experiment data report for Semiscale Mod-1 Test S-28-1 (steam generator tube rupture test series). (TREE-NUREG – 1148) 373799
Collins, C.B.
Global structure of the "Kantowski – Sachs" cosmological models. 358649
The role of mathematics in gravitational physics. 366255
Collins, C.H.
Tha half-life of chromium-55. 364674
Collins, D.
Experiments on the properties of superfluid helium in zero gravity. 359207
Collins, E.D.
Transuranium Processing Plant semiannual report of production, status, and plans for period ending December 31, 1976. (ORNL – 5305) 365656
Collins, E.R.
Report to the New Zealand Government of the Fact Finding Group on Nuclear Power. 367739
Collins, J.C.
Trace and dilation anomalies in gauge theories. 359238
Collins, K.D.
Renovation of the MIT research reactor. 358313
Collins, K.E.
Tha half-life of chromium-55. 364674
Collins, L.A.
Scattering of electrons by LiF. 358731
Theory of low-energy electron-molecule collisions: a comparison of electron-CO_2 and electron-N_2 elastic and rotational-excitation cross sections. 358789
Collins, P.D.B.
An introduction to Regge Theory and high energy physics. 351147
Collins, P.J.
Extrapolation of ZPR sodium void measurements to the power reactor. (CONF-761001 – P2) 362864
Collins, R.A.
The effects of ion-implanted impurities on the anodic oxidation of titanium. 351017
Tellurium adsorption on single crystal faces of molybdenum and tungsten field emitters. 373173
Collins, R.E.
The mathematical basis of quantum mechanics. 358650
Collins, R.M.
Generic standardization program: an effective means to transfer nuclear technology. 352524
Collinson, A.E.
Cavitation work conducted at Risley engineering and materials laboratories. (IWGFR – 9) 350251
The onset of cavitation in pressure dropping devices in water and sodium. (IWGFR – 9) 352735
Collinson, C.D.
Conditions for the separation of the Hamilton-Jacobi equation. 355741
Collot, C.
Metallurgical study of the forging of a U-1.5%Mo alloy. 373147
Colman, M.
Plasma thyroglobulin in detecting thyroid carcinoma after childhood head and neck irradiation. 360275
Colmenares, C.A.
Corrosion and ESCA studies of uranium after exposure to an RF discharge. (UCRL – 78939) 351664
Electron induced luminescence as a technique for studying the adsorption of oxygen and the oxidation of thorium. 378594
A LEED and AES study of the structure, Debye temperature, and oxidation of the (111) crystal face of thorium. 354493
Colomb, A.
Risk and responsibility sharing in the electronuclear industry – a utility point of view. 352898
Colombani, P.
Isomeric trapping following Coulomb excitation of high spin states in ^{178} ^{180}Hf. (ZfK – 336) 364780
Structure in the energy spectra from inelastic heavy-ion reactions. 366976
Colombe, G.
Creep ductility decline of alloy 800. 351817
Colombetti, L.G.
Free sup(99m)Tc-pertechnetate found in radiopharmaceuticals as a result of chemical impurities from eluants. (INIS-mf – 4010) 357090
The preparation and testing of the multigen: a multiload generator. 351603
Reloadable radioactive generator system. (US patent document 4,039,835/A/) 363072
A simple technique for 'in vitro' labeling of erythrocytes. (INIS-mf – 4010) 357605
Colombo, A.
Comparison of various analytical techniques for homogeneity test of candidate standard reference materials. 372865
A look at the homogeneity of powdered materials from a theoretical and experimental standpoint. (EUR – 5657) 359548
Colombo, L.
Intensity variations of some low-frequency Raman bands in crystaline phenanthrene. 377178
Colombo, P.
Fixation of tritium in a highly stable polymer form. (US patent document 4,020,003/A/) 374419
Immobilization of tritiated aqueous waste in polymer-inpregnated concrete. 352863
Colombo, S.
Nuclear imaging system. 358353
Colome, J.
Filtration of aerosols produced by a sodium fire. 360972
Sodium fire studies in France safety tests and applications on an LMFBR. (CONF-761001 – P4) 362922
Colomer-Viadel, V.
Sputtering model using Monte-Carlo method for escape analysis. 368755
Colomer, J.
Chemical detection and precise measurement of tritium in a gas. (KFK-tr – 504) 349160
Colov'ev, V.G.
Nonrotational states of odd-mass nuclei in the $225 <= A <= 233$ region. (JINR-R – 4-8582) 359408
Colquhoun, I.
Lanthanum nitride-carbides. 359657
Colquhoun, J.
The design, development and commissioning of the AGR insulation. 352682
Colquhoun, J.A.
Radiation-curable mercaptoalkyl vinyl polydiorganosiloxanes, method of coating there with and coated article. (US patent document 4,052,529/A/) 373039
Colsher, C.S.
Dose assessment at Bikini Atoll. (UCRL – 51879(Pt.5)) 352073
Evaluation of the radionuclide concentrations in soil and plants from the 1975 terrestrial survey of Bikini and Eneu Islands. (UCRL – 51879(Pt.3)) 378832
Transfer coefficients for the prediction of the dose to man via the forage-cow-milk pathway from radionuclides released to the biosphere. (UCRL – 51939) 373618
Colston, B.W.
Work package control of engineering and project costs. 358118
Colton, E.
Fabrication and utility of unusual rare earth compounds. 357213
Measurements of the total cross-section difference and the parameter Csub(LL) in pp scattering with longitudinally polarized beam and target. 356485
Splitting of the ZGS polarized proton beam to two beams utilizing a common front stage. 363194
ZGS beam transport for transverse or longitudinally polarized protons. (ANL-HEP-PR – 77-61) 367959
Coluccio, G.
Italian progress on light-water reactor fuel design, manufacturing, testing and management. 365873
Colussi, A.J.
Intramolecular isotope effect in laser multiphonon dissociation of CH_2DCH_2Cl. 369614
Coluzza, C.
Thermotranssmission measurements on slef-supporting metal films. (INFN-LNF – 77-5(R)) 368873
Coluzzi, B.
Description and performance of MEA, the magnetic detector at ADONE. 379480
Colwell, P.J.
Raman scattering from ion-implanted silicon carbide. 370208
Colwell, R.R.
Behaviour of ^{14}C-labelled methyl palmitate during alumina chromatography of petroleum hydrocarbons. 369769

Colyer, B.F.
Sources of instability in superconducting magnets and possible explanations of the training problem. 360719
Comanescu, V.
The optimum working range for a linear ratemeter used in continuous nuclear measurements. 358413
Comar, D.
Application of neutron activation analysis to the study of the variations of the concentration of trace elements in various organs of rats as a function of age. 375311
Carbon-11-labelled compounds in dynamic imaging studies of the brain. 354950
In vivo measurement of the Ca/P ratio by local activation with isotopic neutron sources. 369562
Synthesis and distribution kinetics in animals of [α-^{11}C] 3,4-dimethoxyphenethylamine. 373617
Comas, J.
Effects of implantant depth distribution on photoluminescence spectra in Be-implanted GaAs. 367325
Combes, M.
Evidence for a telluric value of the $^{12}C/^{13}C$ ratio in the atmospheres of Jupiter and Saturn. 366682
Combes, P.F.
Influence of calcium heparinate on the radiation-induced regression of metastatic cervical adenocarcinomas. Methodological approaches and preliminary results. 379050
Combette, P.
French irradiation test experience for carbide fuels. 379747
Measurement of the diametral evolution of a fuel element during its irradiation. The MEDINA service. 360742
Combette, Patrick
In-pile creep study on mixed oxide (U, Pu)O_2. 360068
Combridge, B.L.
Hadron production at large transverse momentum and QCD. 353786
Comeau, R.
Experience at Deer Island with electron disinfection of sludge at high flow rates. (INIS-mf – 4220) 379416
Cometto, M.
Italian progress on light-water reactor fuel design, manufacturing, testing and management. 365873
Comfort, J.R.
Isospin dependence of experimental nuclear deformations. 351329
Comins, J.D.
Capture of H-centres by IV dipoles during both x-irradiation and Hsub(Na)-centre annealing in KCl(Sr). 362541
Comins, N.
On the existence of ergoregions in rotating stars. 374959
Comiso, J.C.
180° production of protons in high-energy p, d, and α reactions in nuclei. 362043
Commins, E.D.
Calculation of parity-nonconserving effects in the 6 ^{2}P/sub 1/2/-7 ^{2}P/sub 1/2/ forbidden M1 transition in thallium. 358796
Commisso, R.J.
Experiments on end-loss phenomena and material end plugs in a 5-M linear theta pinch. (INIS-mf – 3963) 353589
Material end-plugging for the Scylla IV-P linear theta pinch. (LA-UR – 77-2453) 377418
Solid – end-plug experiment on a theta pinch. 350819
Comon, J.
Metallurgical evolution of heavy forgings in low alloy steels for nuclear vessels. 355384
Compere, E.L.
Very-high-temperature gas reactor environmental impacts assessment. (ORNL/TM – 5914) 358112
Compton, R.N.
Electron attachment to carbon dioxide clusters in a supersonic beam. 350636
Ionizing collisions of potassium atoms with D_2O. 368717
Comsa, G.
Angular and velocity distributions in molecular beam scattering at solid surfaces. 368756
Comtet, G.
Relative lifetimes of five quasi-bound states of HeH^+. 358714
Concepcion, O.
Inclusive production from 10 GeV/c K^+ on nuclei and comparison with the same production on hydrogen. 353955
Conception, O.
Inclusive production from 10 GeV/c K^+ on nuclei and comparison with the same production on hydrogen. (CRN-HE – 77-10) 369368
Concini, C. de
Relation between projective geometry and group contraction in spontaneously broken symmetry theories. 355742
Condit, W.C.
Hybrid simulations of quasineutral phenomena in magnetized plasma. (UCRL – 80009) 366510
Parameters of a field-reversed mirror reactor. (INIS-mf – 3963) 353543, 356105
Condon, J.B.
Crucible materials to contain molten uranium. (Y – 2084) 362354
Solubility of yttrium in uranium at 1700 K. 354503
Condon, P.E.
Reconstruction of missing data in principal component analysis. 363557
Condron, M.A.
Volume reduction of tritiated liquid wastes with super slurper. (MLM – 2452) 366074
Conetti, S.
201-GeV/c proton-proton elastic scattering at large momentum transfer. 366888
Coniglio, J.G.
Fatty acid synthesis in human testis incubated with [1-^{14}C] acetate. 367618
Conjeaud, M.
^{16}O induced reactions on ^{116}Sn at 64 MeV. 356820
Researches with the tandem and the synchrotron. Chapter 1. (CEA-N – 1959) 354169
Conklin, J.C.
Simulation of the response of the Fort St. Vrain high temperature gas cooled reactor system to a postulated rod withdrawal accident. (CONF-770708 – 1) 373798
Conkright, R.O.
Data description and quality assessment of ionospheric electron density profiles for ARPA modeling project. Technical report. (PB – 269620) 360189
Conlin, J.A.
Design, operation, and initial results from a series of graphite creep irradiation experiments. 360121
Vented fuel experiment for gas-cooled fast reactor application. 379780
Conlon, T.W.
The Beuchner magnet/PSD system as a mass spectrometer for unslowed fission products. (AERE-R – 8761) 352830
Intermediate-structure effects in the reaction $^{12}C(^{16}O, ^{20}Ne)^8Be$. 366966
Conn, R.
Characteristic vibrational coupling behavior of intermolecular potentials. 368624
Multipole fusion reactors using advanced fuels. (EPRI-ER – 536-SR) 371722
Conn, R.W.
Analytic evaluation of an important integral in collision theory. 366837
Fluid simulation of large tokamak plasmas using a variable spatial mesh, variable time-step implicit procedure. 361562
Inelastic molecular collisions: applications of theoretical methods to problems in relaxation phenomena and laser operation. Progress report, February 1, 1977 – November 1, 1977. (COO/2555 – 1) 371471
Influence of design variations on controlled thermonuclear reactor blanket neutronic performance using variational techniques. 361514
Plasma/wall interaction and radiation damage. Progress report. (TID – 27743) 361574
A study of unitary approaches to inelastic scattering. 361353
TDHR-a Tokamak demonstraction hybrid reactor. 377377
Connaughton, D.
Preliminary results of effect of environment on the low cycle fatigue behaviour of type 316 stainless steel and 9%Cr ferritic steel. 354576
Connaughton, M.D.
Preliminary results of effect of environment on the low cycle fatigue behaviour of type 316 stainless steel and 9% Cr ferritic steel. (TRG-Report – 2847(R)) 360004
Connelly, J.M.
Survey and evaluation of handling and disposing of solid low-level nuclear fuel cycle wastes. (PB – 269491) 371196
Connolly, J.
Bone mass measurement using a xenon-filled multiwire proportional counter as detector. 360394
Connolly, J.S.
A simple model of transient heat transfer and its application to power excursions in water moderated nuclear reactors. (INIS-mf – 4084) 367899
Connolly, J.W.
An analysis of power transients observed in the SPERT-2 D_2O moderated close packed core. (AAEC/E – 418) 363536
Measurement and calculation of slow power transients in the university training reactor, MOATA. (AAEC/E – 422) 357749
Connolly, P.
Dilepton production by neutrinos in neon. 353929
Connolly, P.L.
Charm and strange particle production in neutrino interactions. 353950
Dilepton production by neutrinos in neon. 351210
Quasi-elastic neutrino scattering and the axial vector form factor. 353951
Connor, J.W.
Scaling laws for plasma confinement. 348897, 371796
Connor, K.A.
Space potential measurements on EBT. (INIS-mf – 3963) 377425
Connors, D.C.
Acoustic emission analysis for the surveillance of pressurised components. 365787
Multi-channel acoustic emission surveillance of a pressure vessel during proof test. (IWGFR – 10) 363405
Connors, T.J.
Effects of thermal discharges on aquatic biota. Combined effects of waste heat and environmental factors acting in concert. (BNWL – 2100(Pt.2)) 362594
Conrad, P.W.
Network model of free convection within internally heated porous media. (SAND – 77-1092C) 367745
Conrad, R.
Construction and test of a superconducting Helmholtz magnet for a polarized target. 371086
Prototype experiment of an irradiation facility for large HTR fuel

specimens in the HFR Petten. Project E 91 – 0. (EUR – 5456) 360970
Conradi, L.L.
Overview of the CRBRP safety study. (CRBRP-PS – 01) 362997
Conradi, M.S.
Low-noise circuitry for low-temperature NMR and SQUIDs. 352380
Conrads, H.
The dense plasma focus – a high intensity neutron source. 353519
Neutronics of a dense-plasma focus: an investigation of a fusion plasma. 361519
Conrath, B.
The Voyager infrared spectroscopy and radiometry investigation. 374914
Conroy, C.
Energy alternatives and energy policy – a UK viewpoint. 361145
Consoni, L.A.
Separable representations of local potentials. (IFT – 224/76) 353049
Constant, R.
The National Institute for Radioelements (IRE), Belgium. 376867
Constant, T.N.
Operational experience with SLAC's beam containment electronics. 363195
Constantinescu, A.
Proton scattering on ^{238}U and the probable isobaric analogue resonances. 356579
Constantinescu, D.M.
Experimental method for tray efficiency determination of a isotopic separation column by a hot cold process. 378368
Constantinescu, F.
Nontriviality of the scattering matrix for weakly coupled Phi_3^4 models. 371357
Constantinescu, G.
Lifetime measurements in ^{86}Zr. 375156
Constantinescu, L.V.
Cubic films in the Ag-Se system. 355973
Constantinescu, M.
A few remarks on the dependence of GAMMAsub(n)sup(0) on the nuclear structure. 356678
Constantino-Herrera, S.
Exploration, mining, and milling of uranium ore in Mexico. 360133
Constanzo, D.A.
In-line monitoring of effluents from high-temperature gas-cooled reactor fuel particle preparation processes by mass spectrometry. 370975
Constatinescu, D.A.
Exact and approximate interior corner problem in neutron diffusion by integral transform methods. (COO – 2280-28) 363376
Conta, C.
The s-dependence of double diffraction dissociation of protons at the CERN Interscting Storage Rings. 369373
Study of charge-exchange double dissociation of protons at the CERN Intersecting Storage Rings. 369374
Contardi, V.
Some notes on the crystal chemistry of rare earths ternary intermetallic compounds. 362430
Conte, A.
Corrosion control in the CIRENE plant. 355446
Conte, D.
Autoaccelerator: a generator for producing a high energy intense relativistic electron beam by the autoacceleration process. 363177
Conte, F.
Phenix construction and operating experience. 379786
Phenix LMFBR power plant: Radioactive effluent releases and operating team irradiation results after two years of industrial operation. 367778
Three years of Phenix operation. 358295
Continentino, M.A.
Ferromagnetic instabilities in disorder metallic systems. 364067
Ferromagnetic instabilities in transition disorder metallic systems. 364068
Static magnetic response of pure coupling metallical systems. 363984
Contogouris, A.P.
Generalized vector-dominance model for lepton production at large transverse momenta. 369274
Contri, R.
Cross-sections and multiplicity distributions for π sup(-)p interactions at 11.2 GeV/c. 369278
Study of $A_2^- \rightarrow$etaπsup(-) in the reaction πsup(-)p→πsup(-)πsup(-)πsup(+)πdegp at 11.2 GeV/c. 369279
Conty, C.
Accessory for the electron probe microanalysis of thin samples. 355517
Conway, B.O.B.
Simultaneous determinations of plutonium alpha- and beta-activity in liquid effluents and environmental samples. 367033
Conway, J.
Absorption and emission spectra of U^{4+} diluted in $ThBr_4$ single crystals. 351859
Radiation dosimetry. (UK patent document 1480953/A/) 352812
Conway, J.G.
Identification of Rydberg states in the atomic lanthanides and actinides. (UCRL – 79550) 358802
Rydberg series in the lanthanides and actinides observed by stepwise laser excitation. (UCRL – 79521) 361406
Conway, R.G.
Polarization measurements of distant sources. 366683
Conzett, H.E.
Extreme values of spin-polarization analyzing powers in nuclear reactions: M-matrix conditions. 356587
Nuclear science annual report, 1975. (LBL – 5075) 356891, 356914
Coohill, T.P.
The wavelength dependence of ultraviolet inactivation of host capacity in a mammalian cell-virus system. 357555
Cook, A.F. II
Voyager imaging experiment. 374966
Cook, D.L.
Compact high-field ignition test reactor (HFITR) using bitter magnets. 377375
Cook, E.J.
Initial performance evaluation of major components in the head-end reprocessing solids handling system. (GA-A – 14508) 373116
Selection and testing of on-line samplers for head-end reprocessing. (GA-A – 14634) 373117
Cook, G.M.
Phosphorous doping of floatzone silicon by thermal-neutron irradiation. 358311
Cook, J.D.
New perspectives on radioiron methods and their interpretation. 370394
Cook, J.E.
Multiple simultaneous event model for radiation carcinogenesis. 360288
Cook, J.G.
The electrical resistivity and thermoelectric power of Ca and Sr above 300K. 378604
Cook, J.L.
An evaluation of the Gilbert-Cameron level density parameters. (AAEC/E – 419) 356866
Local and nonlocal potentials for low energy pion-nucleon scattering. 356401
Test of the three-Gaussian assumption for fission product mass yield curves. (AAEC/E – 386) 362048
Cook, K.V.
Flaw-size measurement in a weld sample by ultrasonic frequency analysis. 352427
Relationship between ultrasonic Rayleigh waves and surface residual stress. 351726
Cook, P.L.
Energy policy, strategies for uncertainty. 371221
Cook, S.A.
Hepatic uptake of Tc-99m-labeled diphosphonate in amyloidosis: case report. 373631
Cook, T.L.
Three-dimensional dynamics of protostellar evolution. (LA – 6841-T) 361681
Cook, W.A.
Finite element analysis of prestressed concrete reactor vessels. (LA-UR – 77-530) 358266
Finite element analysis of the axisymmetric electromagnetic oscillations in the PHERMEX machine. (LA-UR – 77-1320) 367964
Cook, W.H.
Design, operation, and initial results from a series of graphite creep irradiation experiments. 360121
Cooke, A.
Dose response, wavelength dependence and rate of excision of ultraviolet radiation-induced pyrimidine dimers in mouse skin DNA. 373518
Cooke, B.A.
The Ariel V (SSI) catalogue of high galactic latitude (bar b bar > 10^0) X-ray sources. 372138
Cooke, B.E.
Partial widths and gamma-ray decay of the 2883- and 5037-keV levels in ^{41}Sc. 351383
Cooke, D.J.
Interferometer measurements of HI absorption in the direction of 16 extragalactic radio sources. 374952
Cooke, P.
Radiative detection of single-phase and spin-echo nuclear magnetic resonance. 356074
Cooke, T.C.
Designing the owner's nuclear project management organization. 358119
Cooke, W.E.
Collisional angular-momentum mixing of highly excited Na(n ^2D) states by N_2 and CO. 350614
Coolen, F.C.M.
Electron density and electron temperature in a neon plasma generated by 20-MeV protons. 371797
Transfer of excitation between 2p levels of neon induced by collisions with neutral neon atoms. 371472
Cooley, C.R.
Chemical digestion of low level nuclear solid waste material. 358475
Global perspective in the nuclear fuel cycle. (ANL – 77-XX-62) 363635
Cooley, R.A.
NRC review of licensed operator requalification programs. 358120
Cools, A.
Post-corrosion analyses of a sodium – sodium heat exchanger after 60,000 hours sodium exposure. (CONF-760503 – P2) 352728
Coon, S.A.
Nuclear charge asymmetry in the A = 3 nuclei. 372588
On the sign of the rho-ω mixing charge asymmetric NN potential. 354057
A three-nucleon force and A = 18 shell-model spectra. 375104

Coope
Low energy neutron inelastic scattering. (BNL-NCS – 22500) 356834
Cooper, A.
Runaway modeling in ORMAK and TNS. (ORNL/TM – 5905) 350820
Cooper, A.R.
Coupled diffusion phenomena in multicomponent glasses and glass forming liquids. Progress report, September 1, 1976 – June 1, 1977. (COO – 4075-1) 362486
Cooper, C.B.
Combined UHV ion-scattering and secondary-ion mass spectrometer using magnetic analysis. 366057
Cooper, C.L.
Economic and environmental implications of a U.S. nuclear moratorium, 1985 – 2010. (ORAU/IEA – 76-4) 352305
Cooper, D.A.
Measurement of light emission from remote cosmic-ray air showers. 365315
Cooper, E.
Primary (internal) decomposition in labelled compounds: a general mathematical treatment. 357091
Cooper, F.M.
Heat transfer and pressure generation due to a temperature discontinuity at a liquid – liquid interface. (CONF-761001 – P4) 362891
Cooper, J.N.
Kinetic study of the reduction of neptunium (VII) and americium (VI) by bromide ion in aqueous perchlorate media. 365020
Cooper, J.R.
The incorporation of [^{14}C] glucosamine into dolichol diphosphate N-acetyl [^{14}C] glucosamine by unbroken liver cells in culture. 354924
Cooper, M.
Anisotropy in the Compton profiles of Nb and NbHsub(0.76). 350767
Compton scattering with synchrotron radiation. 364038
Longitudinal multiplane emission tomography (Pho-Con) characteristics, limitations and clinical applications. (INIS-mf – 4010) 358354
Technetium-99m-labeled N-(2,6-dimethylphenylcarbamoylmethyl) iminodiacetic acid (/sup 99m/Tc HIDA): a new radiopharmaceutical for hepatobiliary imaging studies. 373687
Cooper, M.D.
Coulomb-nuclear interference with pions. 369416
Cooper, M.H.
Proceedings of the international conference on liquid metal technology in energy production. (CONF-760503 – P2) 352377, 352392, 352715, 352738, 352744, 352746, 352758, 352769, 352772, 352797, 358287, 358299
Proceedings of the international conference on liquid technology in energy production. (CONF-760503 – P2) 352182, 352267, 352295, 352714, 352716, 352718, 352719, 352721, 352722, 352724, 352726, 352728, 352729, 352732, 352734, 352739, 352740, 352742, 352747, 352749, 352750, 352752, 352754, 352757, 352762, 352763, 352765, 352767, 352768, 352773, 352776, 352777, 352780, 352783, 352786, 352787, 352790, 352795
Cooper, M.J.
A neutron diffraction study of the wavelength dependence of extinction in UO_2. 373325
Cooper, P.
Yield curves for cyclotron production of ^{123}I, ^{125}I and ^{121}I by ^{127}I(p,xn) Xe → (β) → I reactions. 376241
Cooper, P.S.
Depolarization effects in pulsed photoionization of state-selected lithium. 350556
Cooper, R.
Formation and decay kinetics of the 2p levels of neon, argon, krypton, and xenon produced by electron-beam pulses. 378508
Kinetic study of the formation of excited States in the pulse radiolysis of gaseous xenon – iodine systems. 365049
LAMPF Line D fast deflector system. 363217
New and superior adrenal imaging agent, ^{131}I-6β-iodomethyl-19-norcholesterol (NP-59): evaluation in humans. 357652
Cooper, R.A. Jr.
Bone marrow regeneration from cortex following segmental fractionated irradiation. 367511
Cooper, R.E.
Aids for the rapid assessment of environmental releases to support emergency response. (DP – 1455) 373594
Comparison of curved trajectory atmospheric transport vs. assumed straight-line transport. (DP – 1455) 367418
Extending emergency response capabilities to estimate doses from gamma rays. (DP – 1455) 373595
Cooper, R.G.
Manufacturing method for a nuclear fuel rod. (German (F.R.) patent document 2625602/A/) 355326
Cooper, R.K.
LAMPF Line D fast deflector system. (LA – 6748-MS) 374057
Proton accumulator ring injection studies. (LA-UR – 77-1291) 374056
Proton storage ring summer workshop. (LA – 6749-C) 374070
Cooper, S.
D meson production and decay in e^+e^- annihilation at 4.03 and 4.41 GeV c.m. energy. 353989
Cooper, S.R.
Mixed valence interactions in di-μ-oxo bridged manganese complexes. 367076
Cooper, W.S.
Calorimetric and optical beam diagnostics on the LBL 120-keV neutral beam test facility. (LBL – 6383) 377367
Design and development of multi-megawatt beam dumps. (LBL – 5901) 367969
Performance of a developmental 120-keV, 10-A deuterium (14-A hydrogen) neutral beam system. (LBL – 6384) 377347
Cooperstock, F.I.
A new relativistic theory of gravitation. 355743
Coops, G.M.
The superconductive transition temperatures of some solders. 359960
Coors, D.
Special features of the thermohydraulic design of control/scram and secondary shutdown elements of the SNR 300. 370849
Coote, N.C.T.
Classical theory of the interaction between a spinor field and the gravitational field – first order field equations. 358651
Coote, R.I.
A non-rotating device for in-situ inspection of pressure tube in CANDU nuclear reactors. 365959
Coover, S.R.
Electret charger for pocket ion chamber dosimeters. 366013
Cope, D.F.
Expansion potential for existing nuclear power station sites. (ORNL/TM – 5927) 373800
Utility survey on nuclear power plant siting and nuclear energy centers. (ORNL/TM – 5928) 352525
Copeland, E.H.
Pressure safety aspects of liquid CO_2 storage: a case history. (SAND – 77-0125) 352309
Copeland, R.L.
Objectives and overview: the Clinch River Breeder Reactor Plant. 371014
Copic, M.
Alpha and fission autoradiography of uranium rods. 378797
Experience with the construction of Yugoslavia's first nuclear power plant. 360914
The nuclear fuel cycle for research and power reactors. 369844
Copin, A.
Use of radioactive tracers for studying the quantity determination of a phytosanitary product. 379161
Coplan, M.A.
Momentum distributions of bonding electrons in molecules by electron knockout experiments. 353220
Coppa, R.C.
Industrial integration of the fuel cycle in Argentina. 369839
Coppari, L.A.
Hybrid method: finite differences vs finite elements. 360591
Temperature decay in a composite geometry reactor vessel subjected to thermal shock: two-dimensional solution. 358057
Theoretical analysis of the temperature response in a bimetallic, composite geometry, nuclear reactor pressure vessel undergoing a loss-of-coolant accident. 365537
Coppens, P.
The electron density and bonding in beryllium metal as studied by Fourier methods. 370076
Coppens, R.
Utilization of α-autoradiography of rocks in the investigation of the radioactive equilibrium. 367028
Copperthwaite, R.G.
X-ray photoelectron spectroscopic evidence for trapped oxygen species in irradiated $NaClO_3$. 369779
Coppi, B.
Collisional theory of electrical resistivity in trapped electron regimes. 350872
Moment equations treatment of the reconnecting mode. 348879
Theory of the ubiquitous mode. 348898
Topology of ballooning modes. 366518
Coppin, C.E.
Experiment data report for Semiscale Mod-1 Test S-28-1 (steam generator tube rupture test series). (TREE-NUREG – 1148) 373799
Experiment data report for Semiscale Mod-1 test S-28-6 (steam generator tube rupture test). (TREE-NUREG – 1153) 373852
Cops, F.
Absolute fission rates measurements in Mol-ΣΣ. (HEDL-TME – 75-130) 351347
Coqblin, B.
Influence of the crystalline field on the Kondo effect: cerium and ytterbium impurities. 378596
Coquerelle, T.
End group characterization in DNA of thymocytes after low doses of ionizing radiation. 367449
Corben, H.C.
Particle spectrum. 351215
Corbet, A.D.W.
The nuclear fuel cycle, (6) waste treatment and storage. 368364
Problems in the design and specification of containers for vitrified high-level liquid waste. 358476
Corbet, P.S.
Report to the New Zealand Government of the Fact Finding Group on Nuclear Power. 367739
Corbett, I.F.
f^0(1270) production in the reaction $\pi^-p \rightarrow \pi^+\pi^-n$ at 12 and 15 GeV/c. 372501
Corbett, J.D.
New reduced zirconium halide phases from high temperature reactions. (IS-M – 117) 369615
Corbett, J.O.
The significance of ground contamination following an accidental release of radioactivity. (CEGB-RD/B/N – 3865) 354983

Corbett, J.S.
Commercial radioactive waste disposal: marriage or divorce. (ORP/CSD – 77-2) 374425
Corbett, J.W.
Electronic excitation bands in irradiated silicon. 370146
Radiation effects in semiconductors, 1976. Invited and contributed papers from the international conference on radiation effects in semiconductors held in Dubrovnik, 6-9 September 1976. 370123, 370124, 370126, 370127, 370129, 370133, 370135, 370136, 370138, 370139, 370140, 370141, 370143, 370144, 370145, 370146, 370147, 370148, 370154, 370155, 370157, 370159, 370161, 370163, 370164, 370166, 370169, 370171, 370172, 370173, 370174, 370176, 370177, 370178, 370179, 370180, 370182, 370186, 370189, 370190, 370191, 370192, 370193, 370194, 370200, 370201, 370202, 370203, 370204, 370205, 370208, 370209, 370210, 370215, 370217, 370220, 370221, 370224, 370225, 370230, 370231, 370232, 370239, 370241, 370242, 370243, 370245, 370246, 370249, 370250, 370251
The status of defect studies in silicon. 370145
Corcalciuc, V.
The reaction $^{10}B(\alpha,n)^{13}N$ at 18-20 MeV. 356751
Corciovei, A.
Difference equations in axial hyperchanneling theory. 355974
On the spectrum of the linear transport operator with diffuse reflection. 355826
Corcoran, M.D.
Preliminary measurements of proton polarization in high energy inclusive processes. (COO – 2009-129) 364572
Preliminary polarization results at Fermilab energies. (COO – 2009-128) 364571
Corcoran, R.J.
Solitary autonomous thyroid nodules: comparison of fluorescent and pertechnetate imaging. 373695
Cordall, D.
Fuel failures in the Dodewaard Boiling Water Reactor. 363437
Cordani, U.G.
Comparison between radiometric and fission track ages of micas. 365254
Cordelli, M.
Amplification and discrimination of signals from proportional multiwire chambers. (ISS-T – 76-6) 366030
Corden, M.J.
Energy-dependent cross sections for K^- neutron interactions in the CM energy range 1750-2200 MeV from five K^- deuterium bubble chamber experiments. 356500
$f^0(1270)$ production in the reaction $\pi^-p \rightarrow \pi^+\pi^-n$ at 12 and 15 GeV/c. 372501
New data on the $\pi^+\pi^-$ angular distribution in the mass range 0.82-2.2 GeV/c^2. (RL – 77-074/A) 375070
A partial wave analysis of the neutral $(3\pi)^-$ system produced in the reaction $\pi^-p \rightarrow (\pi^-\pi^0)$ n at 12 and 15 GeV/c. (RL – 77-139-A) 364485
Production of A_2^0 and ω^* (1675) in the reaction $\pi^-p \rightarrow \pi^+\pi^-\pi^0n$ at 12 and 15 GeV/c. (RL – 77-097/A) 356499
Corderman, R.R.
Negative ion chemistry of $(eta^5\text{-}C_5H_5)Co(CO)_2$ in the gas phase by ion cyclotron resonance spectroscopy. The π-acceptor ability of PF_3 compared to CO. 378238
Cordero Gomez, G.
Recovery of uranium from phosphoric acid. 365099
Cordero, P.
Canonical formulation of the spherically symmetric Einstein – Yang – Mills – Higgs system for a general gauge group. 371358
Rotationally invariant solutions of the Yang-Mills-Higgs system for a general gauge group: magnetic monopoles. 372388
Cordes, H.
Production and purification of reactor produced ^{125}Xe. (INIS-mf – 4010) 370668
Ventilation scintigraphy with ^{125}Xe – first results. (INIS-mf – 4010) 370497
Cordes, W.F. III
Photosensitizers for radiation-curable coatings. (US patent document 4,054,721/A/) 378509
Cordey, J.G.
p-B^{11} fusion systems. (INIS-mf – 3963) 353639
Waves and instabilities in plasmas. 371798
Cordfunke, E.H.P.
$(UO_2)_2Cl_3$: a new oxide chloride of uranium. 369736
Standard enthalpies of formation of uranium compounds. 357092
Cordier, J.P.
Evaluation of solidification matrices proposed for nuclear power plant radwaste. 368376
Cordier, P.
Primary trapping and solvated electron yields. 357157
Cords, D.
Evidence for the F meson. 353947
Measurements of tau decay modes and a precise determination of the mass. 372505
On the origin of inclusive electron events in e^+e^- annihilation between 3.6 and 5.2 GeV. 353772
On the semileptonic decay of charmed hadrons. 356496, 364566
Cords, H.
Recent findings on reflector design in HTR reactors. 370985
Cordt-Riehle, I.
Effects of low-dose irradiation with X-rays and pi-mesons on embryos of two different mouse strains. 360265
Cordt-Riele, I.
Effect of pions on the embryonal development of the mouse. (LA-tr – 77-77B) 379008
Cordwell, J.E.
Preliminary microstructural examination of high and low ductility type 316 creep rupture specimens. (CEGB-RD/B/N – 3991) 357251
Corella, M.R.
Core-state models for fuel management of equilibrium and transition cycles in pressurized water reactors. 363455
Corelli, J.C.
The effects of ultraviolet radiation on uracil derivatives. 370325
Electronic excitation bands in irradiated silicon. 370146
Molecular alterations in E. coli B cells irradiated in oxygenated and anoxic states. 365364
The status of defect studies in silicon. 370145
Corey, J.C.
Environmental tritium transport from atmospheric release of molecular tritium. 360408
Plutonium content in deer in the southeastern United States. (DP – 1455) 367582
Pollen as a monitoring tool. (DP – 1455) 367430
Response of the Asiatic clam, Corbicula manilensis, to gamma radiation. (DP-MS – 77-70) 373551
Uptake of three isotopes of plutonium from soil by sweet corn grown in a growth chamber. (DP – 1455) 367577
Corfield, M.C.
A device for eliminating electrostatic charges on surfaces. (UK patent document 1487307/A/) 360586
Corfu, R.
Comparison of the π^+ and π^- elastic scattering from ^{12}C over the $\pi N(3,3)$ resonance region. 362089
Proposal for an experimental program at SIN. Study of pion – nucleus scattering using a magnetic spectrometer. (LA-tr – 77-84) 377985
Corkum, P.B.
Backscatter and beam refraction in underdense gas breakdown with nanosecond CO_2 laser. 350810
Corley, J.P.
Environmental surveillance for nuclear facilities. 379283
Cormia, R.
High rate magnetron sputtering. 368799
Cormier, P.M.
Bombarding energy dependence of deep inelastic fragment kinetic energies. 351341
Cormier, T.M.
Bombarding energy dependence of deep inelastic fragment kinetic energies. 351341
Cornacchia, M.
Non linear fields in the SPS and their compensation. 363196
Cornelis, J.J.
A sensitive method for measuring pyrimidine dimers in situ. 351988
Cornelis, R.
The distribution of trace elements in normal human liver determined by semi-automated radiochemical neutron activation analysis. 369555
Cornelius, W.D.
Spin flip excitation of the 1^+ T = 0 state in ^{12}C. 362082
Cornell, R.M.
Fuel failures in the Dodewaard Boiling Water Reactor. 363437
Corner, B.
Palaeomagnetism and uranium exploration. 367358
Cornet, E.P.
Growth of the electron cyclotron mode in a relativistic electron beam by helical liner structures. 361346
Cornet, G.
Experimental evidence of the effect of peripheral obstructions on the temperature from factor of a spiral wire bundle. 371016
Cornett, J.S.
Verification of some numerical models for operationally predicting mesoscale winds aloft. 360190
Cornille, H.
New model independent results on the diffraction peak. 361782
On the reconstruction of coupled two-body channel amplitudes. 368524
Cornille, M.
Scattering of charged particles by OH at thermal energies in HI regions. 353375
Cornish, D.N.
Cold-pressure-welded joints in large multifilamentary Nb – Ti superconductors. (UCRL – 79723) 368927
Development work on superconducting coils for a large mirror fusion test facility (MFTF). (UCRL – 78891) 358929, 377378
Mechanical strain of large, multifilament Nb_3Sn conductors for fusion magnets. (UCRL – 78890) 358934
Strain-critical current data for large multifilament Nb_3Sn conductors. (UCRL – 79724) 368931
Cornman, W.R.
Improvement in operating incident experience at the Savannah River burial ground. (DP-MS – 77-19) 363663
Corno, D.
Velocity dependence of the Penning and rearrangement ionization cross sections of H_2 molecules by He (2^3S) and He (2^1S) atoms. 353239
Cornolti, F.
Shock waves from laser-produced breakdown experimental study of their reflection in an acoustic cavity. 364184
Cornu, A.
Mutagenesis-based research aimed at obtaining resistance to Helminthosporium maydis, straint T, in maize with Texas male sterile cytoplasm. 373706
Cornut, B.
Experimental evidence for the presence of a non-magnetic 5d virtual bound state in the 4f-Kondo alloy Au Yb. 378605

Influence of the crystalline field on the Kondo effect: cerium and ytterbium impurities. 378596
Cornwall, J.M.
Infrared singularities of non-Abelian gauge theories. 361256
What is the relativistic generalization of a linearly rising potential. 355744
Corovic, D.
Quantitative investigation of muscular blood flow before and after vascular surgery at the lower extremity, using the ^{133}xenon clearance method. 376179
Corpus, G.C.
Development of the nuclear power program of the Philippines. 360876
Corradini, M.
Proposed model for vapor bubble-slug heat transfer during LMFBR HCDAs. 352212
Corretjer, L.
The legal framework in Spain for a nuclear programme. 371259
Corrigan, E.
Baecklund transformations and the construction of the Atiyah-Ward ansatze for self-dual SU(2) gauge fields. 376901
Corrigan, T.M.
Unified model studies of N = 84 and N = 80 nuclei. (IS-T – 793) 377871
Corriveau, C.E.
Factoring operating experience into PWR radwaste systems design. 357750
Cort, J.H.
The galactic center. 364299
Cort, S.
Isolation, lactoperoxidase catalyzed radioiodination, and recovery of proteins bound to insoluble immunoadsorbents. 362768
Corte, E.A.
The switch to digital radiation monitoring. 357844
Cortecci, G.
Environmental isotopic study of the Campi Flegrei (Naples, Italy) geothermal field. 375973
Corum, J.E.
Scattering chamber for the Holifield Heavy Ion Research Facility. (ORNL/TM – 6028) 365742
Corum, J.M.
An assessment of the validity of inelastic design analysis methods by comparisons of predictions with test results. (IWGFR – 11) 354504
Constitutive equations for describing high-temperature inelastic behavior of structural alloys. (IWGFR – 11) 354552
Elevated-temperature benchmark tests of simply supported beams and circular plates subjected to time-varying loadings. (ORNL – 5301) 358058
Evaluation of inelastic analysis methods. (CONF-770807 – 21) 352736
Materials data requirements for the high-temperature structural design of 2 1/4 Cr-1 Mo steel components. (CONF-770545 – 3) 362389
Corwin, W.R.
Evaluation of the fatigue resistance of CDA 182 copper for use in the impurity study experiment fusion research tokamak (ISX). (ORNL – 5302) 377379
Cosandey, M.
Long-term radium retention in contaminated dial painters. 354833
Cosby, P.C.
Collisional deexcitation and photodetechment of excited NO_2^-. 377039
Laser – ion coaxial beams spectrometer. 358760
Photodissociation of O_3^- and its hydrates. 376993
Photofragment spectroscopy and potential curves of Ar_2^+ . 350660
Photofragment spectroscopy and potential curves of Ar_2^+. 377084
Photon interactions involving NO_2^-, NO_3^-, and their hydrates. 376994
Threshold photofragment spectroscopy of O_2^+(a^{4}PIsub(u)). 377125
Cosentino, J.O.
Experience gained at various stages of the Atucha nuclear power plant project. 371315
Cosgrove, C.M.
Limits of the generalised Tomimatsu-Sato gravitational fields. 363763
New family of exact stationary axisymmetric gravitational fields generalising the Tomimatsu-Sato solutions. 348581
Cosgrove, D.F.
Injection methods in the Fermilab booster. 363197
Cosman, E.
In-flight mass separation of ^{205}Rn, ^{206}Rn and ^{207}Rn fusion recoils from the ^{197}Au(^{14}N, xn) reaction using an energy-mass spectrograph. 374386
Cosnac, B. de
A specialised image analysing instrument for caryotype automatisation. 355618
Cosoli, G.
Mechanical behavior of a fuel pin for fast reactors: effect of the fuel form and of the approach-to-power on the change of the fuel stack length under irradiation. 379737
Cossairt, J.D.
Mass measurements of the proton-rich nuclei ^{50}Fe and ^{54}Ni . 364827
A study of the ^{12}C(d(pol),α)^{10}B reaction at 20.7 and 29 MeV. 354170
Cost, J.R.
Materials sciences overview. II. Workshop reports. A series of workshops recommending future directions in energy-related basic materials research. (ERDA – 77-76/2) 362348
Cost, L.
A closed fuel cycle. Rapsodie. 368221
Costa de Beauregard, B.
Study of the rho'(1600) using bound on even G-parity e$^+$e$^-$ hadronic cross section. 361783
Costa de Beauregard, O.
Experimental evidence of the Einstein paradox. 363764
Costa Junior, M.I. da
Moessbauer effect in iron doped carbonates. 353415
Volume and overlap effects in the hyperfine interactions on the $^{57}Fe^{2+}$ in quasi-ionics iron compounds. (INIS-mf – 4169) 368757
Costa, A.S.
Attempts to induce mutants resistant or tolerant to golden mosaic virus in dry beans (Phaseolus vulgaris). 373740
Costa, E.
Ionospheric scintillation calculations based on in situ irregularity spectra. 367419
Short time transient periodicities from Cyg X-1. (CONF-7510169 –) 364272
Costa, F.C. da
Influence of build-up factor in the gamma radiography of thick samples. (INIS-mf – 4102) 365673
Costa, G.
Analysis of the $\omega\pi^-$ system produced in the reaction $\pi^-p\rightarrow\pi^+\pi^-\pi^-\pi^0p$ at 11.2 GeV/c. 353965
Application of the Hanbury-Brown and Twiss interferometry to the production of like pions in πsup(-)p collisions at 11.2 GeV/c. 353777
Cross-sections and multiplicity distributions for π sup(-)p interactions at 11.2 GeV/c. 369278
Evidence for a narrow width boson of mass 2.95 GeV. 372519
Inclusive anti K^{*0} (890) production in π^-p interactions at 16 GeV/c. 356507
Non-Abelian gauge theories and triangle anomalies. 363765
Observation of the reactions $\pi^-p\rightarrow$anti pd at 10 and 16 GeV/c. 372520
Production of phi and f' in 10 GeV/c K$^-$p interactions. 353959
Study of $A_2^-\rightarrow$etaπsup(-) in the reaction πsup(-)p→πsup(-)πsup(-)πsup(+)πdegp at 11.2 GeV/c. 369279
Costa, G.J.
Magnetic moment and lifetime of the first excited state of mirror nuclei ^{21}Ne and ^{21}Na. 359455, 369463
Costa, H.M. da
Organization and development of the Brazilian nuclear programme. 371331
Costa, J.
Sodium boiling experiments in a 19 pin bundle: two phase coolant dynamics. (CONF-761001 – P4) 362892
Steady state liquid metal boiling pressure drop characteristics. (CONF-761001 – P4) 362964
Costa, J.M. da
Increase in γ-ray flux at balloon altitude during magnetic disturbances. (INIS-mf – 4115) 365328
On the possible eigenoscillations of neutral sheets. (INPE-RI – 265) 364159
Costa, L.
Corrosion and radioactivity in the primary circuit of a sodium cooled reactor. The computer code "Corona". (IWGFR – 7) 363503
Prediction of primary circuit contamination in power reactors. 370952
Costa, S.
Characteristics of spontaneously generated RFP in Eta-Beta. (INIS-mf – 3963) 353532
Photonuclear reactions. Pt. 1. 349102, 349106, 349107, 349115, 349128, 349138, 349147
Photonuclear reactions. Pt. 2. 349108, 349131, 349144, 349148
Costache, C.
On the phenomenological theory of the coherent radiation of atom-coupled-to-field systems. 355745
Costantini, F.
An upper limit for the radiative decay width of the J/psi resonance into eta'(958)+γ. 369353
Costanzo, D.A.
Determination of defective particle fraction in high-temperature gas-cooled reactor fuels. 363471
Costello, D.
Gamma-ray production cross sections for copper from 0.67 to 19.6 MeV. 362095
Costello, J.M.
Management of wastes containing radioactivity from mining and milling uranium ores in Northern Australia. 368393
Costello, T.J.
Experimental investigation of cavitation inception and damage in a flowing sodium environment. (CONF-760503 – P2) 352729
Coster, M.
Study of parameters of neighbors. 354583
Costers, L.
Information exchange between a nuclear medicine computer system and a hospital information system, based on system integration. (INIS-mf – 4010) 363721
Costes, R.M.
Uranium(IV)-crown-ether complexes and cryptates. 373004
Costick, S.A.
Army's drinking water surveillance program. 367798
Costlow, M.E.
Autoradiographic localization of the binding of ^{125}I-labelled prolactin to rat tissues in vitro. 367619
Costomiris, L.J.
Citizens' views about the proposed Hartsville Nuclear Power Plant:

a survey of residents' perceptions in August 1975. (ORNL/TM – 5801) 349904
Cotae, C.
A new aspect of the movement of ferrofluids in a rotating magnetic field. 355970
Cote, P.J.
Resistivity anomalies in rare earth and transition metals and their alloys. 365169
Cote, W.
Different reactor types and the Belgian option. 380082
Cott, S.M.
Effective management of design change controls. 358121
Cotten, D.
X-ray fluorescent rare earth analyses using an intrinsic germanium detector. 362121
Cotter, S.J.
Evaluation of different polymers for fast neutron personnel dosimetry using electrochemical etching. (CONF-770726 – 4) 374318
Cotter, T.P.
Collisionless CO_2 laser-induced photodissociation of sulfur hexafluoride in a molecular beam experiment. 350585
Laser isotope separation. 357865
Cottier, H.
Fate of intraintestinal thymocytes labeled with ^{125}iododeoxyuridine or tritiated thymidine. 352064
Cottingham, W.N.
The semileptonic decays of charmed particles. 359298
Cotton, F.A.
Spectroscopic study of the $Tc_2Cl_8^{3-}$ ion. 362231
Cottrell, M.
Hematologic changes and thrombopoietin production in mice after X-irradiation and platelet-specific antisera. 357580
Cottrell, P.L.
Subdwarfs or cool DA white dwarfs. 359188
Cottrell, W.B.
Reports distributed under the NRC Light-Water Reactor Safety Research Foreign Technical Exchange Program. Volume III, January – June 1977. (ORNL/NUREG/NSIC – 142) 373865
Safety of nuclear power plants. (CONF-760744 –) 357751
Cottrell, W.D.
Radiation measurements and assessments. (ORNL – 5171) 367367
Couchman, D.L.
Meeting the manpower challenge in the transfer of nuclear power to developing countries. 371314
Transfer of nuclear power technology – a practical approach. 358143
Transfer of nuclear power technology: a practical approach. 352468
Coudert, C.
Probabalistic analysis of the protection of a PWR against overpressure. (EUR – 5640) 360911
State of the art and perspectives for French reliability studies in the nuclear field. 370536
Coudeville, A.
Anomalous resistivity and subsequent fast particles in the plasma focus. (INIS-mf – 3963) 371752
The dense plasma focus – a high intensity neutron source. 353519
Coughtrey, P.J.
Cadmium tolerance of Holcus lanatus from a site contaminated by aerial fallout. 360309
Coulomb, J.P.
Study of the mobility of a two-dimensional fluid by neutron quasi elastic scattering. 368758
Coulon, G.
Series expansion calculation of the elastic neutron diffuse scattering: Ice Ih. 356547
Coulon, M.
Relations between the feeding and radio-sensitivity cycles and the ecdysone cycle in Bombyx mori, at the end of embryonic development and during the first four larval instars. 367487
Coulon, P.
Characteristics and behaviour of the fuel in the Phenix reactor. 368201
Safety conclusions from start-up tests and from the analysis of the core behaviour of Phenix. (CONF-761001 – P1) 362882
Coulon, R.
Levels of fallout ^{90}Sr and ^{137}Cs in milk regional variations of transfer factors. 370424
Coulson, L.
Physical characterization of neutron beams produced by protons and deuterons of various energies bombarding beryllium and lithium targets of several thicknesses. 373931
Coulter, P.W.
Pick-up and inelastic scattering contributions to the proton optical potential. 372600
Counihan, M.J.
The effect of resonance production on angular correlations. 353935
Inclusive yields and transverse spectra of non-strange mesons. 353853
A study of direct and indirect pion production in π^+p interactions at 16 GeV/c. 377804
Counsil, W.G.
Licensing, construction completion, and fuel loading of Millstone Unit No. 2. 358221
Countess, R.J.
Measurements of ^{222}Rn flux with charcoal coanisters. (HASL – 325) 378833
Radon flask monitor. (HASL – 330) 373455
Counts, J.
Critical review of Type B shipping container impact analyses. Present research areas and substantiating experiments. 350011
Coupat, B.
$^{12}C(\pi^-,p)^{11}Be$ reaction induced by pions at rest. (LYCEN – 7702(pt.1)) 369473
Coupland, J.H.
Superconducting hexapole magnet. (RL – 77-096/B) 352415
Coupland, M.
Antiproton-proton total elastic cross sections in the T and U regions (0.69 – 2.43 GeV/c). (RL – 77-098/A) 349058, 361880
Measurement of differential cross sections for elastic K^+p scattering in the momentum range 0.7 to 1.9 GeV/c. 372511
Measurement of the polarization parameter for antiproton-proton annihilation into charged pion and kaon pairs between 1.0 and 2.2 GeV/c. 353949
A simple track-fitting method for particles in cylindrically symmetric magnetic fields. (RL – 77-007/A) 376358
Coupland, R.E.
Autoradiographic demonstration of a zonal distribution of ^{3}H-dopamine-derived radioactivity in the mouse adrenal medulla perfusion-fixed with glutaraldehyde. 349840
Courant, E.D.
ISABELLE: a 200 + 200 GeV colliding beam facility. (BNL – 22930) 363198
Workshop on phase space cooling. (BNL – 50611) 357950
Courant, H.
Differential cross sections for p-^{4}He elastic scattering at GeV energies. 354220
phi production in π^-p collisions near threshold. 351216
Courbiere, P.
Analogy of water as compared to sodium in cavitation. (IWGFR – 9) 352723
Cavitation and gaseous nucleation. (IWGFR – 9) 349451
Sodium cavitation test in vibratory facility. (IWGFR – 9) 349474
Courcon, P.
Characteristics and behaviour of the fuel in the Phenix reactor. 368201
Courtes, G.
H II regions in galaxies of the local group. 356207
Courtney, W.J.
Neutron pickup on ^{93}Nb. 354242
Courtois, J.C.
A 1m^2 gamma ray spark chamber telescope for the energy range 10-100 MeV. 379929
Courty, P.
Automatic controller at associated memory. (LPC – 77-04) 371158
Courvoisier, P.
Possibilities of using high-temperature reactors for the production of hydrogen by thermochemical dissociation of water. 379671
Courvoisier, Pierre
Process and bithermal type isotope exchange system. 373914
Cousin, O.
Very long-term storage of fission products. 358535
Cousseins, J.-C.
Crystal growth of thallium and uranium fluorides. 356992
Cousseins, J.C.
Flux growth of fluorides of lithium and thorium or uranium. 357004
Coussement, R.
Search for the vacancy annealing stage in heavy ion implanted bcc metals. (INIS-mf – 3996) 366458
Cousson, A.
Flux growth of fluorides of lithium and thorium or uranium. 357004
Cousyn, Rene
Civil engineering work. 355136
Coutant, C.C.
Determining the ecological effects of power plant cooling. (CONF-760744 –) 357720
Temperature influences on growth of aquatic organisms. (CONF-770516 – 9) 362595
Couteret, C.
The Mark II Nancay radioheliograph. 372129
Coutinho, F.A.B.
Nucleon-nucleon interaction in nuclear matter. 359365
Coutinho, M.P.
Use of radiation for improving vines regarding their resistance to mildew. 373707
Coutinho, S.
Magnon instability in ferromagnetic semiconductors under an intense electromagnetic field. 363985
Couto de Almeida, C.U.
Brazilian special master's program: an experience. 379602
Coutts, G.W.
Six-frame picosecond radiation camera based on hydrated electron photoabsorption phenomena. (UCRL – 76191) 352831
Couture, J.
Design, construction, operation and maintenance of reprocessing plants. Experience gained. 367191
The effect of reprocessing on long-term uranium requirements. 358557
New situation has arisen in the fuel reprocessing field. 359848
Present status of reprocessing technology, basic outlines of large reprocessing plants. 357194
Present status of reprocessing technology: basic outlines of large reprocessing plants. 351686
Technology of reprocessing fast-reactor fuel. 367201
Coutures, J.
New family of refractory compounds. The rare earth

oxyphosphates: Ln_3Po_7. 357382
Physicochemical properties of $Ln_2O_3 - Al_2O_3$ and $Ln_2O_3 - Ga_2O_3$ glassy like compounds (Ln = La, Ce, Pr, Nd, Sm, Eu, Gd). 357353
Coutures, J.-P.
High-temperature studies of zirconia-yttria-neodymia solid solutions. 354584
Spectroscopic study of zirconia-yytria-neodymia (gadolinium oxide) solid solutions. 357347
Coutures, J.P.
Physicochemical properties of $Ln_2O_3 - Al_2O_3$ and $Ln_2O_3 - Ga_2O_3$ glassy like compounds (Ln = La, Ce, Pr, Nd, Sm, Eu, Gd). 357353
Couvert, P.
Experimental study of charged pions production at intermediate energies. (LYCEN – 7702(pt.1)) 369474
Covaci, I.
TD column performances calculus. Application to the separation of ^{36}Ar. 378088
Covarelli, M.
CNEN program on advanced LMFBR fuels. 379740
Covarrubias, A.J.
Nuclear power in developing countries. 366138
Covello, A.
E2 transitions within the ground-state band of deformed even-even nuclei. 356588
A note on the analysis of the transition probabilities within the ground-state band of deformed even-even nuclei. 366928
Covington, A.E.
Coronal X-ray holes and the quiet radio Sun at 2800 MHz. 366684
Covington, B.
Impurity conduction in transmutation-doped germanium. 351874
Cowan, A.
Irradiation damage in stainless steel. (IAEA – 189) 362390
Methods employed by UKAEA in the evaluation of flaws. (IAEA – 189) 360797
Cowan, G.A.
Migration paths for Oklo reactor products and applications to the problem of geological storage of nuclear wastes. (LA-UR – 77-2787) 378834
Oklo, an experiment in long-term geologic storage. 362879
Cowan, I.M.
Measurement of differential cross sections for elastic K^+p scattering in the momentum range 0.7 to 1.9 GeV/c. 372511
Cowan, J.J.
Longitudinal and transverse displacements of a bounded microwave beam at total internal reflection. 361257
Cowan, M.
Propagation of pinched electron beams for pellet fusion. 350907
Pulsar – a flux compression stage for coal-fired power plants. 360610
Cowan, P.
Direct observation of surface diffusion and atomic interactions on metal surfaces. 377213
Cowan, R.D.
Tungsten radiation from tokamak produced plasmas. 356119
Cowan, R.L. II
Fuel element. (German (F.R.) patent document 2549969/A/) 352484, 352485
Nuclear fuel element. (German (F.R.) patent document 2549970/A/) 350153
Cowan, W.B.
Soft modes and high Tsub(c) in Nb_3Sn. 377680
Cowart, J.B.
Uranium isotopes in groundwater: their use in prospecting for sandstone-type uranium deposits. 373396
Uranium-isotope variations in groundwaters of the Floridan aquifer and boulder zone of South Florida. 373434
Cowburn, K.J.
Inspection of PFR Steam Generators. (IWGFR – 10) 363414
Cowgill, D.F.
Dynamic implant profiling by low-energy nuclear reaction spectroscopy. 354171
Cowie, L.L.
Early evolution of supernova remnants in a homogeneous medium: The effects of electron thermal conduction. 350994
Evaporation of spherical clouds in a hot gas. II. Effects of radiation. 351052
Radiative regulation of gas flow within clusters of galaxies: A model for cluster X-ray sources. 359071
Cowin, J.
Energy accommodation and reactivity of O_2 on tungsten. 353398
Cowley, A.P.
Interacting binary SCO X-1. (CONF-7510169 –) 364300
Cowley, C.R.
An examination of the planetesimal impact hypothesis of the formation of CP stars. 369049
Question of molecular features in cool Ap stars. 372139
Uranium and thorium in Ap stars. 361682
Cowley, M.J.
Visualization of atrial myocardium with thallium-201: case report. 373649
Cowley, R.A.
Critical scattering near the percolation threshold in Mn/sub c/Zn/sub 1-c/F_2. 367312
Cowling, M.J.
Microyielding in tantalum single crystals. I. Microflow parameters. 362391
Microyielding in tantalum single crystals. II. High-amplitude damping. 362392
Cowling, T.G.
Magnetohydrodynamics. 363986
Cowsik, R.
Limits on the radiative decay of neutrinos. 364573
Simple analytic solutions appropriate for galactic cosmic-ray modulation. 359072
Cox, A.J.
Measurements of the proton total reaction cross section for ^{24}Mg, $^{64\ 66\ 68}Zn$ and ^{140}Ce between 17.5 and 48 MeV. 356735
Scattering of 14.1 MeV neutrons by potassium and lithium. 351247
Cox, B.
Experimental Hall design considerations. (ANL-HEP-CP – 77-50) 365736
Cox, B.G.
Solvent dependence of kinetic hydrogen isotope effects for simple proton transfer. 357005
Cox, C.M.
US advanced LMFBR fuels development program. 379807
US experience in irradiation testing of advanced oxide fuels. 379748
Cox, C.R.
Radiative muon capture in calcium. 351365
Cox, D.E.
Comments on possible preferential order-disorder in A-15 compounds based upon Nb. 349452
Effect of neutron irradiation on single crystal V_3Si. (BNL – 23015) 351912
The effects of composition and order on the superconducting properties of the A-15 phase of Nb-Pt. 349497
Structural studies of the (La, Sr)CrO_3 system. 365199
Cox, D.P.
Galactic infall and cosmic ray acceleration. 351022
Observations of the soft X-ray background. 356208
Cox, G.F.
Energy-dependent cross sections for K^- neutron interactions in the CM energy range 1750-2200 MeV from five K^- deuterium bubble chamber experiments. 356500
Cox, J.E.
Metallurgical processing, structure, and superconducting transition temperature of V_3Ga. 357261
Cox, J.H.
Comparison of the ribonucleoproteins of different rabies virus serotypes by radioimmunoassay. 362802
Cox, J.P.
Effects of differential rotation on the splitting of nonradial modes of stellar oscillation. 364333
Cox, J.R. Jr.
Mathematical basis for the application of probability theory to tracer kinetics. (UCLA – 12-1125) 360374
Cox, M.G.
A versatile atomic number correction for electron-probe microanalysis. 369557
Cox, N.D.
Comparison of two uncertainty analysis methods. 362893
Cox, P.H.
Charmed meson production in quark exchange model. 356403
Some observations concerning the incidence of false negative MDP scintigrams, a potential source of error in the early detection of skeletal metastases. (INIS-mf – 4010) 357679
sup(99m)Tc diethylacetanilido-iminodiacetate combined with functional imaging for the study of hepatobiliary function. (INIS-mf – 4010) 370463
Technetium-99m-labelled diethyl-acetanilido-iminodiacetate: a new hepatobiliary agent. 352077
Cox, P.J.
Applications of deuterium labeling in studies of drug metabolism: metabolism of trideuteroaniline mustard. 351482
Cox, P.M.
The diagnostic value of pancreas scintigrams prepared with the aid of synthetic selenomethionine combined with duodenal scintigraphy. (INIS-mf – 4010) 367716
Cox, R.
High energy fast neutrons from the Harwell variable energy cyclotron. II. Biologic studies in mammalian systems. 379007
Cox, R.A.
Rapid sensitive radioassay for serum native and denatured DNA. 367620
Cox, S.A.
Development of a directional gamma ray detector for in-core fuel motion monitoring. (CONF-771023 – 24) 379547
Cox, S.J.
High-β tokamaks. 359026
Coy, D.E.
Integrated minicomputer alpha analysis system. (LA-UR – 77-2968) 378946
Coyne, D.G.
Search for narrow resonant states in e^+e^- collisions near 6 GeV. 351208
Coz, M.
Translation kernels for velocity dependent interactions. 359239
Cozar, O.
E.P.R. of Cu(2) into layers of water adsorbed on silica surface. 355975
The primary processes by impact of ionizing radiations with water. 378453
Cozzi, R.
Cytological analysis of X-ray-induced aberrations in spermatocytes I and the somatic ganglia of male Drosophila melanogaster. 354730

Cozzone, A.
On the control of ribosomal protein biosynthesis in Escherichia coli. 354953
Cozzuol, J.M.
Thermal-hydraulic analysis of semiscale Mod-1 integral blowdown-reflood tests (baseline ECC test series). (TREE-NUREG – 1077) 357752
Crabb, D.G.
A measurement of the polarization parameter in large angle proton-proton elastic scattering at 7.9 GeV/c. 356484
Spin-spin interactions in high-transverse momentum elastic p-p scattering. 359344
Crabtree, G.
Conduction electron g-factor in Au. 351739
de Haas-van Alphen measurements and phase shift analysis of electronic scattering anisotropy in solid solutions of Ga in Au. 351742
Crabtree, G.W.
Demagnetizing fields in the de Haas – van Alphen effect. 358866
Craddick, W.G.
PWR blowdown heat transfer separate-effects program data evaluation report: system response for thermal-hydraulic test facility test series 100. (ORNL/NUREG – 19) 373825
Craddock, M.K.
Basic and applied research at the TRIUMF Meson factory. 364301
Improvements to the beam properties of the TRIUMF cyclotron. 363199
Cradduck, T.D.
Camera-computer systems for rapid dynamic imaging studies. 373650
Craft, R.C.
Measuring ^{85}Kr concentrations around a nuclear fuel reprocessing facility. (DP – 1455) 367420
Cragin, M.D.
Radionuclide patterns of femoral head disease. 373632
Crago, W.A.
Valve maintainability in CANDU-PHW nuclear generating stations. (AECL – 5913) 360952
Craig, D.K.
$^{239}PuO_2$ aerosol exposure of miniature swine. (BNWL – 2100(Pt.1)) 360322
Deposition of inhaled aerosols in beagle dogs. (BNWL – 2100(Pt.1)) 360308
Laser-generated $PuO_2 – UO_2$ condensation aerosols. (BNWL – 2100(Pt.1)) 360184
Craig, K.H.
QCD calculation of three-jet processes in lepto-production and hadronic mu-pair production. 377716
Craig, R.S.
Influence of crystal field interaction on the thermal behavior of $ErAl_2$. (IS-M – 81) 351763
Low temperature heat capacities of DyCoNi. 362451
Craik, N.G.
Support required from Canada in the operation and maintenance of CANDU stations overseas. 360934
Craise, L.
High-LET particle dosimetry in the ASTP-Biostack III: Zea mays experiment. 360250
Craise, L.M.
The effects of accelerated heavy nuclei of neon and argon on mammalian cells in culture. 378981
Cram, D.J.
Multiheteromacrocycles that complex metal ions. Third progress report, 1 May 1976 – 30 April 1977. (UCLA – 34P218X3) 367077
Cram, L.E.
On the heating of the solar chromosphere. 353671
Cramer, B.A.
Structural analysis for high-temperature performance. 360069
Cramer, D.S.
$^{238}U(n,f)$ measurements below 100 keV. 356885
Cramer, J.G.
$^{29}Si + {}^{14}N$ stripping and pickup reaction. (RLO/1388 – 362) 372725
Analyzing power in the $^{207}Pb(p\ vector,p_0)^{207}Pb$ reaction near the $^{3}P/sub\ 1/2/$ isobaric analog resonance. (RLO/1388 – 362) 372699
Distinguishing between stars and galaxies composed of matter and antimatter using photon helicity detection. 366685
Further measurements of $^{16}O + {}^{28}Si$ elastic scattering at tandem energies. (RLO/1388 – 362) 372830
Measurements of the elastic scattering of ^{12}C from ^{28}Si at 131.5 MeV and 186.4 MeV in the rainbow scattering region. (RLO/1388 – 362) 372734
Measurements of the elastic scattering of ^{6}Li from ^{28}Si at 135 MeV in the rainbow scattering region. (RLO/1388 – 362) 372735
Observation of gross structures in the gamma ray yields following the $^{16}O + {}^{12}C$ reaction. (RLO/1388 – 362) 372706
Relativistic Coulomb effects in pion scattering. (RLO/1388 – 362) 372601
Study of anomalous angular distributions with ^{15}N-induced reactions. (RLO/1388 – 362) 372724
Transition between light- and heavy-ion elastic scattering. 351342
Cramer, M.
Experimental data acquisition and processing of the dynamic behavior of the pressure vessel test internals under the HDR-blowdown-experiments. (KFK – 2435) 358207
Cramer, S.N.
Analysis of a neutron scattering and gamma-ray production integral and experiment on silicon dioxide for neutron energies from 1 to 15 MeV. (ORNL/TM – 6145) 377837, 377838
Analysis of neutron scattering and gamma-ray production integral experiments on nitrogen for neutron energies from 1 to 15 MeV. 356533
Application of the fictitious scattering radiation transport model for deep-penetration Monte Carlo calculations. (ORNL/TM – 4880) 377844
Crampin, M.
The soliton connection. 366256
Crampton, D.
Interacting binary SCO X-1. (CONF-7510169 –) 364300
Crandall, D.H.
Absolute cross sections for 2s-2p excitation of C^{3+} by electron impact. 368709
Atomic reactions in very high temperature plasmas. (CONF-770721 – 1) 358930
Electron transfer between He-like ions and He. 358732
Electron transfer between multicharged ions and atomic hydrogen. 358806
Fundamental atomic collisional processes in negative ion sources for H^-. (CONF-770940 – 10) 371473
Crandall, R.S.
Optical properties of mixed-oxide WO_3/MoO_3 electrochromic films. 367289
Crane, T.W.
Measuring the cesium activity ratio of spent fuel assembly. 378120
Cranfill, B.
Preparation of ultrathin polyethylene foils by film casting. (LA – 6850-C) 370741
Cranfill, C.W.
One-dimensional computer simulations of the implosion of simple-shell targets with the Los Alamos two-beam CO_2 laser. Series 1. (LA – 6827-MS) 358931
Crannell, C.J.
OSO-8 observations of Cygnus XR-1. 369062
Study of the cosmic sources of hard x-rays. (CONF-7510169 –) 364307
Crannell, H.
Inelastic electron scattering from low-lying states in the nuclei ^{36}Ar and ^{40}Ar. 356760
Crannell, L.J.
The high energy x-ray spectrum of the Crab Nebula observed from OSO 8. (N – 77 – 18987) 351000
Crasemann, B.
Refined ab initio relativistic electron binding energy and Auger transition-energy calculations. 368617
Refined ab initio relativistic electron binding-energy and Auger transition-energy calculations. 376989
X-ray and Auger transition probabilities to the 2p state of multiply ionized sulfur and chlorine. 358733, 376995
Crater, H.W.
L = 0 charmonium spectrum from a generalization of Todorov's quasipotential equation for scalar interactions. 372389
Crawford, B.S.
Analysis of nuclear waste management. (UCRL – 13766) 363662
Crawford, D.L.
Preparation of specifically labeled ^{14}C-(lignin)- and ^{14}C-(cellulose)-lignocelluloses and their decomposition by the microflora of soil. 367621
Crawford, F.W.
Observations of a double-layer in a hot-cathode discharge. 377471
Crawford, H.J.
Non-peripheral collisions of heavy ions in nuclear emulsion. (LBL – 6562) 356780
Crawford, J.D.
Supports for the pressure vessel of a nuclear reactor. (German (F.R.) patent document 2429234/C/) 368135
Crawford, J.H.
Summary of geologic review group meetings, July 21 – 22, 1977. (Y/OWI/TM – 18/3) 374430
Crawford, J.H.Jr.
Effects of γ-irradiation upon the optical behavior of spinel. 348862
Crawford, K.
Inverted geometry TOF spectrometer at the ZING-P pulsed neutron source prototype. 355584
Crawford, R.B.
Energy and technology review. (UCRL – 52000-76-8) 357928, 358599, 371067, 377396, 377433, 377459, 377477, 377500
Crawford, R.K.
Dynamical and defect behavior near melting in solid rubidium. (CONF-770913 – 3) 373174
Crawford, R.L.
Preparation of specifically labeled ^{14}C-(lignin)- and ^{14}C-(cellulose)-lignocelluloses and their decomposition by the microflora of soil. 367621
Crawford, T.V.
Savannah River Laboratory environmental transport and effects research. Annual report, 1976. (DP – 1455) 367385, 367391, 367398, 367400, 367413, 367418, 367420, 367427, 367428, 367429, 367433, 367437, 367439, 367577, 367582, 367589, 367590, 367760, 367788, 373594, 373595, 373853
Crawford, W.D.
PWR and BWR light water reactor systems in the USA and their fuel cycle. 365855
Utilities want politicians to be advocates for nuclear power. 361136
Crawley, F.E.H.
The metabolism and dosimetry of carbon-14 labelled compounds. 360310
Crea, J.
Nuclear magnetic resonance study of ligand exchange on dioxopentakis(trimethyl phosphate)uranium(VI) ion and its triethyl phosphate analogue. 378461

Creamer, D.B.
Propagators in pseudoparticle fields. 353047, 361772
Creasey, F.L.
Latent image fading in nuclear emulsions. 361022
Crebolder, D.L.J.M.
Lyoluminescence dosimetry in photon and fast neutron beams. 360542
Crecelius, E.A.
Biological availability of energy related effluent material in the coastal ecosystem. (BNWL – 2100(Pt.2)) 362931
Geochemical ocean sections study (GEOCECS). Chemistry of ocean solutions. (BNWL – 2100(Pt.2)) 362137
Crecelius, G.
Magnetic properties of superconducting tin-europium-molybdenum sulfides. 351733
Onset of collective magnetic behaviour in insulating, semiconducting and metallic Eu-compounds. 361458
Crees, M.A.
Scattering of electrons by N_2 molecules. 358734
Creese, I.
A simple and sensitive radioreceptor assay for antischizophrenic drugs in blood. 357680
Creese, Ian
^{3}H-spiroperidol labels dopamine receptors in pituitary and brain. 376151
Crellin, G.L.
Defect analysis program applied to nuclear plant pressure component experience data. (GEFR-SP – 051) 379229
Cremer, S.
Order parameter of inhomogenous superconductors. 351133
Cremmer, E.
Algebraic simplifications in supergravity theories. 353063, 358652
Grand unified schemes and spontaneous compactification. 353827
Modified interaction of the scaler multiplet coupled to supergravity. 350494
Crennell, D.
The possibility to study the production and decay systematics of short-lived (tau greater than approximately 10^{-13} secs) new particles in hadronic reactions using the bubble chamber techniques. (RL – 77-133-A) 364486
Crespi, H.L.
Isotope chemistry and biology. 352063
Cresswell, J.R.
Coulomb excitation of ^{135}Ba. 356852
Relative measurement of the quadrupole moments of the first excited states of the even isotopes of Ru, Pd and Cd. 366995
Crette
Super-Phenix: status of the Creys-Malville plant. 379738
Cretu, T.
Response function correction for a magnetic beta spectrometer. 376618
Study of beta-spectra by means of the ST-2 ironless beta-spectrometer with a toroidal magnetic field. (JINR-R – 13-10611) 358363
Creutzig, H.
Experimental investigations of the metabolism of autologous and homologous bone grafts in rats. (INIS-mf – 4010) 357681
Functional scintigraphy after radiotherapy of the skeleton – an experimental investigation on animals and a clinical investigation. (INIS-mf – 4010) 357675
Crewther, R.J.
Chirality selection rules and the U(1) problem. 363766
Creyrowsky, G.
Operational measures to avoid hypothetical accident sequences in high-temperature reactors (HTR). 370954
Cricchio, A.
Status and requirements for plutonium, americium and curium nuclear data relevant to plutonium recycling in light water reactors. (EUR – 5698) 359470
Crick, S.C.
Analysis of simulated HCDA experiments in ZPPR. (CONF-761001 – P2) 363020
Criegee, L.
Evidence for the tau → γrhoπ decay mode. 372500
Measurement of the branching ratios for the decays J/PSI (3.1) → fω and J/PSI (3.1) → Bπ. (DESY – 77/50) 364568
Measurement of the branching ratios for the decays J/psi(3.1) → fω and J/psi(3.1) → Bπ. 372506
Measurement of the J/psi radiative decay into f°(1270)γ. 377779
Criley, J.M.
Significance of calcific valvular heart disease in /sup 99m/Tc pyrophosphate myocardial infarction scanning: radiographic, scintigraphic, and pathological correlation. 357642
Crimmins, T.M. Jr.
Development of utility non-LOCA safety analysis methods. 360444
Crippen, M.C.
Review of sodium removal processes using water. (CONF-760503 – P2) 352744
Criscuolo, A.L.
Coulometer operator's manual. (LA – 6883-M) 372846
Crispim Romao, J.
Unified superconformal gauge theories. 353064
Criswell, T.L.
Energy and angular distribution of electrons ejected from argon by 5-keV to 1.5-MeV protons. 350595
Critchlow, P.R.
Method of making same composite billets. (US patent document 3,907,550/A/) 357214
Critoph, E.
The thorium fuel cycle in water-moderated reactor systems. (AECL – 5705) 361156, 368444
Crits, G.J.
Producing less than 1 ppb sodium leakage from condensate polishers. 370818
Crittenden, R.R.
Technical progress report of the Indiana University High Energy Physics Group, December 1, 1976 – November 30, 1977. (COO – 2009-132) 364565
Crittendon, A.
Condenser piping change improves nuclear unit heat rate six percent. 379625
Crockett, P.W.
Mine safety. Part 4. Occupational health – radioactivity (a bibliography with abstracts). Report for 1964 – August 1977. 363048
Croff, A.G.
Preliminary assessment of partitioning and transmutation as a radioactive waste management concept. (ORNL/TM – 5808) 368365
Projections of spent fuel to be discharged by the U.S. nuclear power industry. (ORNL/TM – 6008) 370869
Report of the workshop on the technological implications of burning actinides to the fuel cycle. (CONF-770354 – 1) 352855
Croft, D.N.
Statements of the M.R.C. isotope panel. 365634
Croft, P.
A study of the Dalitz plot in the decay K°sub(L)→$\pi^+\pi^-\pi^0$. 353988
Croft, T.A.
Radio science investigations with Voyager. 374902
Croitoru, M.
Rayleigh-wave scattering from a mass-defect in a solid surface. 376902
Croke, J.F.
Recent developments in instrumentation for wavelength-dispersive x-ray analysis. 378100
Crolet, J.-L.
Usage properties of special steels for presurrized water reactors: influence of composition and of manufacturing parameters. 355411
Croll, N.E.
Radiometric assay of tyrosine hydroxylase and tryptophan hydroxylase by Kalignost extraction procedures. 364857
Crombrugghe, M.A. de
A model for the u-d mass difference. 361784
Cromer, D.T.
Plutonium-osmium eta-$Pu_{19}Os$. 378606
Cronenberg, A.W.
Correlation for the Leidenfrost temperature for spherical particles and its application to FCI analysis. 352233
Effective equation-of-state measurements on uranium dioxide. (SAND – 77-1094C) 365596
Cronholm, T.
Transfer of deuterium from [1R-^{2}H]- and [1S-^{2}H] ethanol to reduced metabolites formed in vivo. 352093
Cronin, J.W.
Measurement of the branching ratio GAMMA (K/sub L/ → $\pi^+\pi^-$)/GAMMA (K/sub L/ → all). 359336
Measurement of the decay rate for the rare process K/sub L/° → $\mu^+\mu^-$. 351231
Search for quarks produced with large transverse momentum in 400-GeV proton-nucleus collisions. 359331
Test of scaling in muon-pair production by hadrons. 366878
Cronjaeger, H.
Method for selective extraction of uranium and vanadium from crude phosphates and basic uranium ore. (German (F.R.) patent document 2523933/A/) 354471
Cronkite, E.P.
Fate of intraintestinal thymocytes labeled with ^{125}iododeoxyuridine or tritiated thymidine. 352064
Cronquist, A.G.
A simple whole-body counter for measuring radionuclides in large dogs. 361027
Cronstroem, C.
Single particle distributions in the dual unitarity scheme. 366834
Crook, K.
Operational experience with SLAC's beam containment electronics. 363195
System for calibration of SPEAR transport line toroids. 363261
Crook, M.A.
Liquid scintillation counting. Volume 4, proceedings of a symposium on liquid scintillation counting organised by Radiochemical Methods Group (Analytical Division, The Chemical Society), Bath, England, September 16-19 1975. 349875
Crooks, M.J.
Superfluid transition temperature in counterflowing helium. II. 372323
Crosby, D.A.
Dipole polarizability of 2 $^3S_1$ and 2 $^1S_0$ metastable helium measured by the electric deflection time-of-flight method. 350596
Croset, M.
Composition of GaAs anodic oxide films studied by low energy ion scattering spectrometry (ISS). 369533
Crosmun, S.T.
Part I. Application of pulse polarography and pulse anodic stripping to the determination of selected heavy metals in natural waters. Part II. Application of controlled potential coulometric techniques to the determination of uranium. (TID – 27709) 356936
Cross, A.
Fuel assembly for a nuclear reactor. (German (F.R.) patent

document 2620343/A/) 352737
Cross, F.T.
Inhaled plutonium nitrate in dogs. (BNWL – 2100(Pt.1)) 360311
The long-term effects on normal tissue of an intracavitary treatment with californium-252. 379042
Cross, J.B.
Chemical analysis via heavy ion induced x-ray emission. 372847
Cross, K.E.
SCOPE: synergistic computer optimization of planning for enrichment status report. (K/CSD/TM – 17) 373904
Cross, M.C.
Textural singularities in the superfluid a phase of ^{3}He. 351108
Cross, R.J. Jr.
Second-order perturbation treatment of dipole-dipole scattering. 353221
Cross, W.G.
Spectra and dosimetry of neutrons interacting with concrete shielding. 359348
Crossley, D.
The controlled-potential coulometric determination of plutonium based upon cerium oxidation and the PuO_2^{2+}/Pu^{4+} valency change. (AERE-R – 8885) 364906
Crossley, P.C.
Labelling of fly ash with sup(99m)Tc. 357093
Crossman, E.R.F.W.
Effective operator selection for fossil fuel and nuclear power plants. (EPRI-SR – 28) 352985
Crosswhite, H.
Parametric energy level analysis of Ho^{3+}: $LaCl_3$. 360040
Crosswhite, H.M.
Fluorescence and excitation spectra of Bk^{3+}, Cf^{3+}, and Es^{3+} ions in single crystals of $LaCl_3$. (CONF-771039 – 6) 377037
Parametric energy level analysis of Ho^{3+}: $LaCl_3$. 360040
Crostack, H.A.
Acoustic emission analysis investigations of the behaviour of materials during welding. 358028
Application of acoustic emission analysis during loading of a pressure vessel by pulsating internal pressure. 365800
Investigations on the strength of spot welded joints using acoustic emission testing. (INIS-mf – 4053) 360741
Crothers, D.S.F.
Proton hydrogen close-capture collision spectroscopy. 374603
Total proton-helium electron-capture cross sections. 361363
Croucher, D.W.
Irradiation Effects Test Series: Test IE-2. Test results report. (TREE-NUREG – 1074) 365871
Irradiation Effects Test Series: Test IE-3. Test results report. (TREE-NUREG – 1106) 374212
Crouse, D.A.
Dose-effect relationships for fife shortening, tumorigenesis, and systemic injuries in mice irradiated with fission neutron or ^{60}Co gamma radiation. 354765
Radiation-induced alterations in murine lymphocyte homing patterns. I. Radiolabeling studies. 362625
Crouse, D.J.
Oxidative stripping process for the recovery of uranium from wet-process phosphoric acid. 357198
Crouse, R.S.
Metallographic study of ferrite → sigma transformation using ferromagnetic colloid, microprobe analysis, and color etching. (CONF-760731 – 7) 351750
Shielded scanning electron microscope for radioactive samples. (CONF-770735 – 1) 356937
Crouzel, C.
Synthesis and distribution kinetics in animals of [α-^{11}C] 3,4-dimethoxyphenethylamine. 373617
Crouzet, Jean
In-pile creep study on mixed oxide (U, Pu)O_2. 360068
Tomato volatile components: enzymatic formation of trans-2-hexenal. 354959
Crowe, M.C.
Functional integrity and inflammatory reactions of exchange vessels and lymphatics in X-irradiated tissues. 370374
Crowe, R.D.
Designs for in-reactor sodium boiling detection and generation. (CONF-761001 – P2) 363045
Crowley-Milling, M.
How CERN broke the software barrier. 350059
Crowley-Milling, M.C.
Operational experience with the SPS computer control system. 363153
Crowley, B.J.B.
General eikonal theory of quantal scattering. 369417
Crowley, C.J.
Downcomer effects in a 1/15-scale PWR geometry-experimental data report. (PB – 268244) 362894
Lower plenum voiding with scaled PWR plenum geometries. (CREARE-TN – 258) 358214
Crowley, P.
Penning ionization electron spectroscopy of HF, HCl, HBr and HI using He* (2^3S) metastable atoms. 353200
Crowley, R.J.
Generation of gravitational waves. II. The postlinear formalism revisited. 350995
Crowley, W.K.
Safety analysis report for packaging: the ORNL in-pile capsule shipping cask. (ORNL/ENG/TM – 10) 374034
Safety analysis report for packaging: the ORNL loop transport cask. (ORNL/ENG/TM – 11) 374035
Crozier, D.J.
^{34}Cl via the ^{32}S(^{3}He,p) reaction. 351334
Cruceanu, E.
Estimation of the Debye temperature by electric resistivity measurements for intermetallic components. 356024
Crucitti, N.
Determination of the bending loading's resulting from the superheated steam flow path variation in an expansion pipe-bend for sodium-water heat exchangers. 360762
Crume, E.C.
Numerical calculation of impurity charge state distributions. (ORNL/TM – 6050) 371799
Crutcher, R.M.
Excitation of OH toward interstellar dust clouds. 350996
Radio observations of fragmentation and localized multiple velocity components in a group of dust clouds in taurus. 350991
Crutzen, P.J.
Solar proton event: influence on stratospheric ozone. 372186
Crutzen, S.J.
Use of neutron radiography for quantitative measurements of sorbed hydrogen in getters and quality control of nuclear fuel pins. 376431
Cruz, E.R.
Testing of the energy stability and reproducibility of the ion beam produced by the 'tandem' accelerator of USP (University of Sao Paulo, Brazil). 354144
Cruz, M.T.
Polycrystalline dosimetric discs of natural CaF_2. (IEA – 474) 352822
Csaky, L.
Early detection of radiation-induced cell membrane alterations by lectin-binding. 354780
Csanak, G.
A time-dependent first-order Bethe-Goldstone theory. 374604
Csatlos, M.
Fine structure in the mass number dependence of rms charge radii. 354035
Csejthey-Barth, M.
Λ and anti Λ production in K^+p interactions at 32 GeV/c. 372512
Csepregi, L.
Dechanneling by twins. 366411
Influence of ^{16}O, ^{12}C, ^{14}N, and noble gases on the crystallization of amorphous Si layers. 360101
Reordering of amorphous layers of Si implanted with ^{31}P, ^{75}As, and ^{11}B ions. 360070
Cser, L.
A spectrometer for the investigation of small angle neutron scattering by the time-of-flight method (theory). (RL – 77-137-B) 366049
Csernai, L.P.
Strength decoupling from the giant dipole resonance upon diagonalizing a Gaussian force and a delta-force on a particle-hole basis. 372602
Threshold states in schematic model. (ZfK – 329) 354058
Csik, B.J.
Nuclear power in developing countries. 366138
Csikai, J.
Diffusion of ^{24}Na in polycrystalline aluminium. 367134
Csillag, A.
Nuclear "Metalog" grade logging in mineral deposits. 376006
Csoeke, A.
Determination of boron range distribution in ion-implanted silicon by the ^{10}B(n, α) ^{7}Li reaction. 364900
Csom, Gy.
Radioanalysis of water circuit at nuclear power plants. 365853
Csuka, J.
Induction of dominant lethal mutations by gamma irradiation of Gallus domesticus spermatozoa. 352027
Csupka, S.
Environmental distribution of long-lived radionuclides ^{90}Sr and ^{137}Cs. 349798
Cucchiaro, A.
Spectral classification of B and A stars from the line features of S2/68 spectra. 369050
Cuccuru, A.
Experiments on high efficiency aerosol filtration. 360514
Cuddeback, D.
Electronic excitation bands in irradiated silicon. 370146
Cuddihy, R.B.
Nasal carcinomas in beagle dogs after inhalatioon of relatively soluble forms of beta-emitting radionuclides. (LF – 56) 365412
Cuddihy, R.G.
Biliary excretion of ^{144}Ce after inhalation of ^{144}Ce citrate in rats and Syrian hamsters. III. (LF – 56) 365442
Respiratory tract retention of inhaled particles in experimental animals. (LF – 56) 365416
Toxicity of inhaled ^{91}Y in fused aluminosilicate particles in beagle dogs. VII. (LF – 56) 365441
Cuddihy, W.F.
Viking relativity experiment. 366755
Cuden, C.B.
Raman scattering of light by fluctuations above the critical temperature of a pure and dirty superconductor. 351109
Cudlin, J.J.
One-Third-Scale Air – Water Pump Program, alternate analytical pump performance data. (EPRI-NP – 385(Vol.1)) 379308
1/3 scale air – water pump program, analytical pump performance model. Volume 1. Key phase report. (EPRI-NP – 160(Vol.1)) 367746
Cudny, W.
Alpha-ray spectrometer based on pulse chamber with four

electrodes. 368314
Cudworth, K.M.
Parallax of the high-velocity star W851. 361684
Probable binary central star in the planetary nebula NGC 6853. 361683
Cuengco, B.
$^{29}Si + {}^{14}N$ stripping and pickup reaction. (RLO/1388 – 362) 372725
Excitation function of the analyzing power in the reaction $^{58}Ni(p,p')^{58}Ni(2^+, 1.45$ MeV). (RLO/1388 – 362) 372713
Study of anomalous angular distributions with ^{15}N-induced reactions. (RLO/1388 – 362) 372724
Cugier, H.
Gas stream in Algol. 372140
Cujec, B.
Few body problems in nuclear and particle physics. 361825, 361993
Cukhorukov, S.T.
Description of np<pn and anti pp→antinn processes in the theory of complex moments. (ITEF – 30(1974)) 366827
Culhane, J.L.
Bent crystal spectrometer for solar x-ray spectroscopy. 352823
Copernicus observations of a number of galactic x-ray sources. (CONF-7510169 –) 364302
X-ray spectra and variability of some Seyfert galaxies and other high latitude sources. 372273
The X-ray temperatures of eight clusters of galaxies and their relationship to other cluster properties. 356293
X-ray variability of Vela X-1: 3U0900-40. (CONF-7510169 –) 364295
X-rays from clusters of galaxies. 369051
Culkowski, A.H.
High energy (E less than or equal to 1000 GeV) intranuclear cascade model for nucleons and pions incident on nuclei and comparisons with experimental data. (ORNL/TM – 5710) 359380
Cullen, D.E.
Applications of the probability table method to practical problems. (UCRL – 79759) 364628
Calculation of probability table parameters to include intermediate resonance self-shielding. (UCRL – 79761) 366903
Integrated system for production of neutronics and photonics calculational constants. Program LINEAR (Version 77-1): linearize data in the Evaluated Nuclear Data File/Version B (ENDF/B) format. (UCRL – 50400(Vol.17)(Pt.A)) 351237
Multigroup constants for charged particle elastic nuclear (plus interference) scattering of light isotopes. (UCID – 17564) 361970
Neutron-induced angular and energy distributions: graphical experimental data. (UCRL – 50400(Vol.19)) 377833
Cullen, M.J.
Kinetic study of [^{131}I] iodide and [/sup 99m/Tc] pertechnetate in thyroid carcinoma to explain a scan discrepancy: case report. 352117
Cullen, T.L.
Morro do Ferro. (PUC-TN – 1/77) 352079
Cullen, W.H.
The continental component of a Pacific Marine aerosol. 375304
Culler, F.
Time to concentrate on licensing and public acceptability. 376763
Culler, F.L.
Management of high-level and alpha-bearing wastes. 368366
Cullis, A.G.
Combined transmission electron microscope and ion channeling study of metastable metal alloys formed by ion implantation. 371580
Transmission electron microscope studies of Nb-Ge superconducting films. 359908
Culver, D.W.
Mechanical and thermal design of a gas-cooled fusion blanket module. (GA-A – 14671) 371912
Cumbus, I.P.
The influence of phosphorus, zinc and manganese on absorption and translocation of iron in watercress. 357606
Cumming, G.L.
Determination of the ^{87}Rb decay constant. 359471
Cummings, G.E.
Risk assessment to determine the advisability of seismic trip systems. 352213, 354984
Cummings, K.L.
Energy and technology review. (UCRL – 52000-76-8) 357928, 358599, 371067
Cummins, J.E.
Chromosome aberrations produced by 5-bromodeoxyuridine with concurrent exposure to long wavelength UV in Zea mays root tip cells. 360252
Cummins, W.F.
Effect of extended pulse length on the Mirror Fusion Test Facility (MFTF). (UCRL – 52294) 350923
Multi-channel neutral analyzer-system. (UCID – 17584) 377499
Cumo, M.
Subcooled and bulk boiling correlations for thermal design of steam generators. (CNEN-RT/ING – 77-10) 363097
Up-flow and down-flow burnout. 376508
Cuna, C.
The rate constant of the fragmentation processes produced in the mass spectrometer. 376996
Cuna, S.
The rate constant of the fragmentation processes produced in the mass spectrometer. 376996
Cundall, R.B.
Linear energy transfer (LET) effects in the radiation-induced inactivation of papain. 357135
Cundy, D.
Physics with very high energy e^+e^- colliding beams. (CERN – 76-18) 375013
Cundy, D.C.
Ratio of neutral-current to charged-current cross sections for inclusive neutrino interactions in hydrogen. 351220
Total cross sections for charged-current neutrino and antineutrino interactions in BEBC in the energy range 20-200 GeV. 353945
Cundy, M.
Uni axial tensile graphite creep capsules with continuous strain registration. 360745
Cundy, M.R.
Measurement of irradiation-enhanced creep in nuclear materials. 360058, 360060, 360062, 360064, 360065, 360066, 360067, 360068, 360074, 360077, 360078, 360079, 360081, 360082, 360086, 360088, 360089, 360093, 360094, 360098, 360099, 360100, 360105, 360108, 360109, 360121, 360126, 360131, 360132, 360737, 360742, 360744, 360745, 360749, 360750, 360755, 360840
Cunha, J.B.M. da
Moessbauer effect in iron doped carbonates. 353415
Cunliffe, N.H.
A superconducting 2.6T high accuracy magnet. (RL – 77-099/B) 352416
Cunningham, G.W.
Plutonium-bearing oxide fuels for recycling in thermal reactors and fast breeder reactors. 367192
Safety considerations in fast reactor fuel development. 371050
VENTURE: a code block for solving multigroup neutronics problems applying the finite-difference diffusion-theory approximation to neutron transport, version II. (ORNL – 5062/R1) 371058
Cunningham, J.R.
Corrections to absorbed dose calculations for tissue inhomogeneities. 352352
Cunningham, R.
H^+ production in the photoionization of H_2, CH_4 and H_2O. 376981
Cunningham, R.A.
A small multiwire proportional chamber of novel design. 371087
Cunningham, R.E.
Regulatory requirements for radiation protection. 368466
Cunsolo, A.
Researches with the tandem and the synchrotron. Chapter 1. (CEA-N – 1959) 354172
Study of some ^{16}O states at high excitation energy. 362049
Cuperman, S.
Electromagnetic ion-cyclotron instability vs. electrostatic ion-cyclotron instability in mixed (warm-cold)magnetospheric-like plasmas. 368928
Theoretical contributions to solar wind research – a review. 372141
Cuperus, J.H.
Edge effect in beam monitors. 355178
Monitoring of particle beams at high frequencies. 355179
Cupo, J.V.
Environmental aspects of recycle fuels. 360430
Cupp, G.M.
Preliminary study of the uranium favorability of granitic and contact-metamorphic rocks of the Owens Valley area, Inyo and Mono Counties, California, and Esmeralda and Mineral Counties, Nevada. (GJBX – 3(78)) 378835
Cuprikov, G.E.
Compatibility of molten rare earth metals with refractory materials. 357259
Curin, K.
The present state in projecting the Kojetice nuclear heat and power plant. (INIS-mf – 4055) 370910
Curl, R.F.
Hyperfine structure in the A tilde state of PH_2 arising from the Fermi interaction of ^{31}P. 376997
Curran, S.
Setting the scene. 371017
Curreri, J.
Dynamic response of a multielement HTGR core. (BNL – 23197) 363000
Higher order effects and their influence on the HTGR core. (BNL – 23196) 367747
OSCIL and OSCVERT: computer codes to evaluate the non-linear seismic response of an HTGR core. (BNL-NUREG – 22650) 357794
Curreri, J.R.
Subharmonic excitation in an HTGR core. (BNL-NUREG – 22649) 357736
Currie, C.M.
γ-ray multiplicities from nuclear reactions: theory, instrumentation and analysis. 355598
Currie, J.F.
Thermodynamics of the sine-Gordon fields. 350495
Currie, J.L.
Fire brigade organization and training at nuclear plants. 358122
Currie, L.A.
Model uncertainty and bias in the evaluation of nuclear spectra Part 1. 374520
Curry, J.
The response of screen-film to end-of-range proton exposures. 371088
Curry, M.
State and local planning procedures dealing with social and economic impacts from nuclear power plants. (NUREG – 0203) 352214

Curry, W.E.
Preliminary study of the uranium favorability of tertiary rocks, southeastern Oregon: eastern Klamath, Southern Lake, Harney, and western Malheur Counties. (GJBX – 92(77)) 378837
Curtila, D.
Radioiodination of iodinated estradiol-17β, 17-diphosphonate. (INIS-mf – 4010) 367155
Curtis, C.
Injection methods in the Fermilab booster. 363197
Curtis, C.G.
The catabolism of intravenously injected heparan N-[^{35}S]sulphate in the rat. 352069
Curtis, G.B.
Safety analysis of an HTGR plant including emergency shutdown. Volume 1. Final report. (K – 76-124U(R)(Vol.1)) 362862
Curtis, G.E.
Twistors and multipole moments. 371359
Curtis, H.B.
International safeguards problem. 366204
Curtis, H.W.
Experience of European irradiated fuel transport – the first four hundred tonnes. 367943
Curtis, L.J.
Energy levels and transition probabilities in Mo XIV. 366329
Oscillator strengths for some Mn II lines and the solar Mn abundance. 366727
Curtis, R.T.
Licensing decisions and safety research related to LMFBR accidents. 370541
Curtis, R.W.
Isolation and characterization of the cell wall receptor of ^{14}C-malformin in Phaseolus vulgaris L. 349836
Curtiss, C.F.
Semiclassical theory of rotational transitions in collisions of diatomic molecules. 368620
Curtiss, L.A.
Chemical Engineering Division physical inorganic chemistry. Annual report, July 1975 – June 1976. (ANL – 76-101) 364847
Curtius, A.J.
Rapid extraction-atomic absorption determination of boron in sea water. 369547
Curtius, H.-Ch.
Quantitation of deuterated and non-deuterated phenylalanine and tyrosine in human plasma using the selective ion monitoring method with combined gas chromatography-mass spectrometry. 352138
Curtright, T.
Conformal spinor current anomalies. 361258
Stability and supersymmetry: general formalism and explicit two-loop applications. 358653
Curwick, L.R.
Development of oxide dispersion strengthened turbine blade alloy by mechanical alloying. (N – 77-22213) 367217
Cusson, R.Y.
Quantal theory of heavy ion scattering in a three-dimensional TDHF model. (CONF-770602 –) 372603
Time-dependent Hartree – Fock theory: application to the ^{14}N + ^{12}C reaction. (CONF-770987 – 2) 377914
Cutkosky, R.E.
Baryon spectrum in a linear string model. 359240
Calculation of the baryon spectrum with a linear Hamiltonian. 359241
Cutler, R.
One-gluon-exchange quark scattering and large-p/sub T/ inclusive data. 359242
Cutler, R.I.
Quadrupole effects in the elastic scattering of ^{10}B, ^{11}B and ^{12}C by ^{27}Al. 354248
Cutler, T.A.
Computation of the bounce-average code. (UCRL – 52233) 356103
Cutshall, N.H.
Biological transport of zinc-65 into the deep sea. 373444
Cutt, J.C.
Examination of the failed feedwater sparger from Humboldt Bay 3: 1976 outage. (NEDO – 21488) 363438
Cutts, B.
Communications on energy; and reply. 350406
Cuzzaniti, M.
Acoustic emission measurements during the first pressure vessel hydrotest at ENEL – Caorso BWR. 365858
Cvach, J.
Charge asymmetry at large psub(T) in inelastic anti pp reactions at 22.4 GeV/c. 353943
Inclusive spectra in anti pp interactions at 22.4 GeV/c. 353941
Multiplicities and forward-backward correlations in anti pp interactions at 22.4 GeV/c. 366882
Transverse momenta correlations in annihilations at 5.7 GeV/c. 366885
Cvitanovic, P.
Asymptotic estimates and gauge invariance. 353065
Quantum chromodynamics on the mass shell. 366835
Cwik, T.
Problems of assessment of doses to members of population, connected with intakes of radioactive nuclides released from nuclear facilities. 355027
Cwirla, W.M.
Nonaqueous reductive lanthanide chemistry. II. Conversion of cis,cis-1,5-cyclooctadiene to cyclooctatetraenyl dianion by reduced praseodymium and potassium. 378260
Cybenko, V.M.
Nuclear fuel utilization in the Novovoronezh nuclear power plant. 368139
Operation of WWER type reactors utilizing the power effect. 368146
Some improvements of the core and the fuel cycle of WWER type reactors. 368153
Cybulnik, A.V.
Ten years' operation experience of the Novovoronezh nuclear power plant. 368141
Cybulska, E.W.
Measurement of relative cross section for the activation of rhodium with neutrons. 354204
Measuring of differential cross section of the ^{7}Li(p,n)^{7}Be (4,53 MeV)*. 364757
Study of the reactions ^{7}Li(p,n)^{7}Be with a time-of-flight system. 354276
Cybulskis, P.
Mixed-nitride fuel performance in EBR-II. 379729
Czabanski, R.
Backward emission of ^{8}Be in the (α,^{8}Be) reaction and possible connection with ALAS. (INP – 898/PL) 372736
Czachowska, Z.
Inclusive data in proton-nucleus collisions at 67, 200, and about 3000 GeV. (INP – 872/PH) 375063
Czaplicki, S.
Estimation of deposit-time of sup(99m)Tc pertechnetate in cardiac chamber during radioisotope angiocardiography in various heart diseases. (INIS-mf – 4010) 370437
Czapski, G.
Generation of the hydroxylation agent from superoxide radical: can the Haber Weiss reaction be the source of OH radicals. Progress report, September 1, 1976 – July 1, 1977. (COO – 3221-45) 357144
Nature of oxygen containing radicals in radiation chemistry and photochemistry of aqueous solutions. Annual progress report, September 1976 – July 1977. (COO – 3221-48) 365050
Oxidation of α and β chains by ferricyanide in a one-site reduced methemoglobin. Progress report, September 1, 1976 – July 1, 1977. (COO – 3221-46) 357151
Czapski, U.H.
Heat transfer from thermal effluent. 357753
Czarnocki, A.
Anticorrosional protection in nuclear power station objects. 368246
Czarnocki, J.
The effect of radioactive iron ^{59}Fe on the embryogeny of sea-trout (Salmo trutta L.). 354834
Czarycki, W.
Investigations on application of the clean vacuum systems with ion-sorption pumps in ion sputtering technology. 374373
Czaus, K.
Experimental studies of laser-produced plasmas within the spherical multipole trap. (INIS-mf – 3963) 371734
Czechowski, A.
Calculation of the s-channel discontinuities of reggeon graphs. 368533
Czempiel, H.
Comparison of different methods for measurement of tubular clearance; PAH steady state method, whole-body measurements and compartment analysis of gamma camera mode renograms. (INIS-mf – 4010) 362803
Czerminska, J.
Changes in the sulphus isotope ratio in the calcium sulphates of the earth crust. 367359
Czerniak, A.
Simultaneous hepato-cholecystoscintigraphy (using colloidal sup(99m)TcS and radioiodinated toluidine-blue-RTB). (INIS-mf – 4010) 370464
Czerniak, P.
Differential diagnosis of bone avascular necrosis and osteoarthritis by consecutive radiotechnetium diphosphonate and radiogallium citrate study. (INIS-mf – 4010) 370465
Simultaneous hepato-cholecystoscintigraphy (using colloidal sup(99m)TcS and radioiodinated toluidine-blue-RTB). (INIS-mf – 4010) 370464
Czernicki, J.
Effect of ionizing radiation on some properties of rabbit polymorphonuclear granulocytes. 373550
Czernilofsky, A.P.
Identification of the tRNA-binding sites on rat liver ribosomes by affinity labeling. 352094
Czerny, W.
Nondestructive activation analysis of ancient pottery by 14 MeV neutrons. 364858
Czerwinski, A.
Thallium-204 sealed sources from a target activated in the EWA reactor. 355077
Czirr, J.B.
Measurement of the fission cross section of ^{241}Pu from 8 eV to 70 keV. 351340
A totally absorbing time-of-flight neutron detector. 355518
Czjzek, G.
An investigation of magnetic ordering in Gdsub(x)Cesub(1-x)Ru_2 by ^{155}Gd Moessbauer spectroscopy. 371675
Czubek, J.A.
Geostatistical method of interpretation of nuclear well logs. 375974
Czyz, W.
Diffractive production off nuclei-shadow of hadronic bremsstrahlung. 353766

D'Adda, A.
Supersymmetry and instantons. (NBI-HE – 77-40) 368534
Xi-function regularization of the quantum fluctuations around the Yang-Mills pseudoparticle. 371354
Zeta-function regularization of the quantum fluctuations around the Yang-Mills pseudoparticle. (NBI-HE – 77-26) 353056
D'Agraives, B.C.
Application of a non-dynamometric method to the measurement of the coefficient of static friction in cold and hot water between stainless steel and two alloys of zirconium. (EUR – 5604) 373175
D'Alessandro, M.
Long-term risk assessment of radioactive waste disposal in geological formations. 352320
D'Amico, E.
SPS beam instrumentation and closed orbit correction. 363165
D'Amico, V.
Angular correlation in the $^{7}Li+^{3}He \rightarrow 2\alpha+d$ reaction at $E_3He=4.7$ MeV. 356733
Competition between ^{5}Li and ^{8}Be formation in the $^{6}Li(^{3}He, \alpha\alpha p)$ reaction at Esub(^{3}He)=2.5 MeV. 364736
D'Andrea, A.
Theory of (e, 2e) reaction near solid surfaces: application to Si. 377179
D'Andrea, F. Jr.
Uranium favorability of tertiary sedimentary rocks in the northern Green River Basin and Hoback Basin, Wyoming. (GJBX – 64(77)) 365278
D'Andrea, R.F. Jr.
Preliminary evaluation of the uranium favorability in the area northeast of Gunnison, Colorado. (GJBX – 61(77)) 362569
D'Angelo, N.
Plasma waves and instabilities in the polar cusp: A review. 351965
D'Angelo, P.
The slow proton trigger for the CERN OMEGA spectrometer. 368293
Use of a MWPC in a big magnetic spectrometer as a counter hodoscope for fast majority discrimination. 379873
D'Angio, G.J.
Patterns of second malignant neoplasms in children. 373571
D'Annucci, F.
Oxygen diffusion in uranium-plutonium oxide fuels at low temperatures. 362514
D'Ettorre Piazzoli, B.
Results of the Torino search for quarks. 369362
D'hondt, P.
Fission fragment energy correlation measurements for the thermal neutron sub-barrier fission of ^{237}Np and above-the-barrier fission of ^{235}U. 372698
Study of the fission products of ^{235} ^{238}U by irradiation with 25 MeV bremsstrahlung. 356903
D'Ippolito, D.A.
High-beta tokamaks surrounded by force-free fields. (INIS-mf – 3963) 371800
D'Olieslager, W.
Lanthanide (III) and actinide (III) chelate kinetics via solvent extraction. (ORO – 1797-77) 372953
D'Silva, T.
Magnetization, magnetostriction, and magnetocrystalline anisotropy in some R_2Co_{17} compounds. 362432
Magnetocrystalline anisotropy in Y_2Co_{17}, Dy_2Co_{17}, and Y₂/sub x/Dy₂/sub₁/sub 1-x)/Co_{17} (x=1/3, 2/3). 351781
D'yachenko, P.P.
Number and spectra of neutrons for fixed fragments in spontaneous fission of ^{252}Cf. (INIS-mf – 3896) 356857
Prompt neutron spectrum in thermal fission of ^{235}U in the energy range from 10 keV to 1 MeV. (INIS-mf – 3896) 356816
Search for low energy delayed neutrons for spontaneous fission of ^{252}Cf. 369504
D'yachkov, B.A.
Application of targets on the base of alkali metal vapors for ion beam charge exchange. (INIS-mf – 3915) 348662
Production of C,O,F,Cl neutral atoms with energy of 110-380 keV by means ejection of electron from negative ions. 348663
D'yachkov, E.I.
p-v-T diagram for liquid parahydrogen in the metastable region. 355119
D'yachkova, R.A.
The lowest oxidation state of the first half lanthanide series elements. 357106
D'yachkovskij, F.S.
Alkylalumoxanes as cocatalysts of ethylene polymerization. 375513
Magnetic properties of molybdenum halides on polymeric carriers. 378293
D'yaekhkov, B.A.
Production of H^- ions while proton charge exchange at 0,3-1,0 KeV in thick jets of Cs and Na vapors. (INIS-mf – 3915) 371455
D'yakonov, M.N.
On the longitudinal development of extensive air shower at the primary particle energy above 10^{17} eV. 362601
D'yakonov, V.M.
Niobium oxidation and reduction during melting of high-alloyed steels. 375758
D'yakov, M.A.
Investigation into decomposition kinetics of the metastable α" and β phases of the quenched VT3-1 alloy in the process of tempering. 369922
D'yarmati, B.
Microscopic and phenomenological parameters of isobaric analog resonances. 375143
da Jornada, J.A.H.
Electric field gradient in the cubic Ag host generated by different near-neighbour configurations of Pd impurities. 366401
Da Silveira, A.
Mass term in the Dirac electron theory. 355746
Da Silveira, E.F.
Study of some ^{16}O states at high excitation energy. 362049
Daake, R.L.
New reduced zirconium halide phases from high temperature reactions. (IS-M – 117) 369615
Synthesis and characterization of some reduced zirconium halides. 362171
Dabbs
Unresolved resonance parameters for ^{235}U. (BNL-NCS – 22500) 356800
Dabbs, J.W.T.
Intermediate structure studies of ^{234}U cross sections. (INIS-mf – 3896) 356792
Dabbs, R.D.
Oscilloscope trace photograph digitizing system (TRACE). (SAND – 77-0355) 379939
Dabek, J.T.
Prompt gamma neutron activation analysis to measure whole body nitrogen absolutely. 369534
Dabkiewicz, P.
Nuclear shape staggering in very neutron-deficient Hg isotopes detected by laser spectroscopy. 351385
Nuclear spins of ^{76}Rb and ^{119}Cs by β radiation detected optical pumping. 375174
Daboul, J.
High energy pp scattering in the additive eikonal quark model. (DESY – 77/61) 366836
Dabrowski, J.
The deformation of the Fermi surface in polarized nuclear matter. 356589
Ground state energy of spin polarized hard core neutron matter. 364675
Dabrowski, K.
The effect of ionizing radiation and radionuclides on the embrional development of fish. 367488
The effect of radioactive iron ^{59}Fe on the embryogeny of sea-trout (Salmo trutta L.). 354834
Daburon, F.
Tentative therapy of acute abdominal irradiations of pigs. 354771
Dach, K.
The development of miniature sensors for in-core measurement. (ZJE – 198) 379902
Dach, W.
Functional scintigraphy after radiotherapy of the skeleton – an experimental investigation on animals and a clinical investigation. (INIS-mf – 4010) 357675
Dachs, H.
Neutron spectroscopy of the crystal field splitting in cerium hydride. 378752
Dacorogna, M.
Rigid band calculation of the elastic constants in Nb-Zr alloys. 378585
DaCosta, H.
Thyroid disorders and the distribution of orally administered radioiodine. 376129
Dadashyan, K.Yu.
Causality properties in nonrelativistic algebraic models. 368535
Dadayan, N.A.
Excitation of a giant resonance by neutral weak currents in neutrino scattering on ^{12}C and ^{16}O. 349059
Daddario, M.J.
Performance of electrical contact pins near a nuclear explosion. (LA – 6946-MS) 367939
Dadfar, H.
Transfer of nuclear technology as seen from the view of a developing country. 352526
Dadhich, N.
Equatorial circular geodesics in the Kerr – Newman geometry. 350496
Dadhich, Naresh
Timelike and null geodesics in the Nordstroem field. 371360
Dadi, K.
Software structure for the IBR-2 measuring module. (JINR – 10-9060) 366212
Dadi, L.
Software structure for the IBR-2 measuring module. (JINR – 10-9060) 366212
Dadic, I.
Scaling, cluster and coherence properties in the linear chain decay. 353754
Dadillon, J.
An experimental study of the behaviour of fission products following an accident on a swimming pool reactor. (AAEC-LIB/Trans – 611) 350273
Dadone, A.
Determination of trace amounts of zirconium in silicates by cation-exchange chromatography and spectrophotometry with xylenol orange. 364890
Ion-exchange separation and spectrophotometric determination of trace amounts of niobium in silicate rocks. 359562
Dadykin, V.L.
Real amplitude resolution of photomultipliers with large cathodes. 376688
Study on the stability of the photomultiplier gain factor. 376689

Daellenbach, C.B.
Method for rapid particle size analysis by hydrosizing and nuclear sensing. (US patent document 4,010,369/A/) 352358
Daellenbach, W.
Stationary transport processes of charge carriers in a dense, stational, isothermal, thermionic weakly ionized plasma. Continuum theory. 353542
Daenner, W.
Energy by nuclear fusion. (IPP – 4/147) 348893
The first wall in the fusion reactor – a computer model to determine its service life. 368929
The mechanical performance of the fusion reactor first wall. Pt. 2. (IPP – 4/149) 348899
Daeppen, W.
An exactly solvable one-dimensional model for ionisation and charge transfer in ion-atom collisions. 348664
Daeunert, U.
Present state of development of the fast breeder project in the Federal Republic of Germany, Belgium and the Netherlands, and progress achieved during 1975 and early 1976. (IWGFR – 12) 358283, 363504
Status and development programme of the fast breeder reactor system in the Federal Republic of Germany. 365973
Daftari, I.K.
Test for Psub(T) distribution at different laboratory energies in hadronic collision events. 356501
Dagan, S.
$f^0(1270)$ production in the reaction $\pi^-p \rightarrow \pi^+\pi^-n$ at 12 and 15 GeV/c. 372501
Dagazian, R.Y.
Internal-ring end-stopper for open-ended devices. 374815
Dagbjartsson, S.J.
Axial gas flow in irradiated PWR fuel rods. (TREE-NUREG – 1158) 365883
Dagdigian, P.J.
Determination of state resolved rotationally inelastic cross sections: LiH(j = 1) – Ar. 366383
Dagen, A.
Design and operating mode of the SAAS pilot plant for bituminization of radioactive wastes. (SAAS – 220) 366078
Radiolytic formation of hydrogen and methane from bitumen B 45 and bitumen-salts mixtures. (SAAS – 220) 365074
Dagenais, C.A.
The structure of the nuclear community. 365960
Dagenhart, W.K.
Component design description of the neutral beam injectors for PLT. (CONF-771029 – 43) 371907
Coulomb excitation of 2^+ and 3^- states in ^{192}Pt and ^{194}Pt. 359519
Development and testing of the ORNL/PLT neutral beam lines for the Princeton Large Torus. (CONF-771029 – 108) 371801
Performance of 4.2 K cryopumps in neutral beam injectors. 377534
Dagg, J.H.
The assessment of red cell survival in normal subjects and in patients with haemolytic disorders and ineffective erythropoiesis using the radioiron occupancy method. 379146
Dagis, R.S.
Electronic structure and spectra of rare earth monochalcogenides. (INIS-mf – 3955) 362149
The Slater parameters and energy of the 3d-4s excitation for the free 3dsup(N) ions and 3dsup(N) ions in crystals. 377137
Dagle, G.E.
Carcinogenesis of inhaled radio daughters with uranium ore dust in beagle dogs. (BNWL – 2100(Pt.1)) 360312
Inhaled plutonium nitrate in dogs. (BNWL – 2100(Pt.1)) 360311
Late effects of inhaled $Pu(NO_3)_4$ in rats. (BNWL – 2100(Pt.1)) 360300
Dagliana, M.G.
Cross-sections and multiplicity distributions for π sup(-)p interactions at 11.2 GeV/c. 369278
Search for short-lived particles produced by 300 and 400 GeV/c protons in nuclear emulsions. 364564
Dagnac, R.
Experimental device for the study of elastic and inelastic diffusion at high-energy He^+-He collisions. 366048
Dahab, O.E.F.
Public acceptance of nuclear technology in the developing countries. 352282
Dahl, D.A.
Magnetoelectric distortion of superfluid ^{3}He: NMR shifts. 351110
Magnetoelectric textures in ^{3}He-A slabs. 372324
Dahl, J.P.
The spinning electron. 371361
Dahl, P.
Time-delayed Li, Be, and B autoionization spectra excited in low-energy (200 keV) single gas collisions. 363874
Dahl, P.F.
ISABELLE quadrupoles. 363333
Operating experience with the HEUB superconducting dipoles. 363327
Dahl, R.H.
Cellular glutathione is a key to the oxygen effect in radiation damage. 376081
Dahlbacka, G.H.
Charge separation and target voltages in laser-produced plasmas. 350919
Dahlberg, E.
On changes of variables in kinetic theory. 355869
On the determination of proper modes in waveguides with wall losses. (TRITA-EPP – 77-03) 374553
Proper modes and their attenuation in rectangular waveguids with wall losses. (TRITA-EPP – 77-04) 374552
Dahlberg, R.C.
Low-enrichment and denatured (thorium) fuels for the HTGR: a status report. (GA-A – 14606) 363468
Survey of thorium utilization in power reactor systems. 365946
Weapons proliferation and criteria for evaluating nuclear fuel cycles. 380117
Dahlborg, U.
The dynamics of the NH^+_4 ion in ammonium chloride in disordered states by cold neutrons scattering experiments. 371655
Dahler, J.S.
Excitation cross sections and polarization of impact radiation in Be^+-Mg^+ – He-Ne high-energy collisions: A comparison of model potential calculations. 350663
Dahlgren, D.A.
Large scale sodium interactions. Part 2. Preliminary test results for limestone concrete. (SAND – 77-1059C) 367797
Molten LWR core material interactions with water and with concrete. (SAND – 77-1216C) 352215
Studies on molten fuel-concrete interactions. (CONF-761001 – P4) 363539
Dahlgren, P.W. Jr.
Low energy e^- + H scattering as a test of the inhomogeneous equation method. 363878
Dahlinger, A.
Canadian heavy water production. (AECL – 5710) 360567, 367859
The Canadian heavy water supply program. 360566
Dahlkamp, F.J.
Uranium exploration techniques – their applicability and limitations. 357453
Dahlman, R.C.
Comparative distribution of plutonium in contaminated ecosystems at Oak Ridge, Tennessee and Los Alamos, New Mexico. (CONF-770429 – 2) 349799
A cost/benefit analysis of methods for controlling the release of radioactive materials in the nuclear fuel cycle. 368441
Dahn, C.C.
Parallaxes of selected stars near the north galactic pole. 369209
Dahn, E.
Method and device for control in processing liquids. (German Dem. Rep. patent document 118173/A/) 365672
Daiber, J.W.
Electron-temperature and spontaneous-magnetic-field measurements in a laser-irradiated free jet. 350958
Daido, H.
High power CO_2 laser system for plasma research (Lekko I). (IAEA – 200) 353600
Daigo, M.
Measurement of polarized target asymmetry in $\gamma p \rightarrow \pi^+ n$ below 1.02 GeV. 369371
Daigo, Y.
Local boiling of sodium in downstream of local flow blockage in a simulated LMFBR fuel subassembly. (CONF-761001 – P4) 362961
Dailey, J.M.
Dosimeter sample preparation, quality assurance, and materials development for the ILRR, FRMDC, and FFTF dosimetry programs. (CONF-771036 – 2) 366004
Dailey, M.L.
Characterization studies of BWR-4 neutron noise analysis spectra. (CONF-770902 – 1) 368114
Dainese, B.
A plunger device for in-beam measurements of nuclear lifetimes. 363553
Dainton, J.B.
Observation of a baryon exchange dip and parton effects in backward photoproduction of ω. 372513
A 480-channel lead glass Cherenkov detector. 355498
Dajani, A.T.
Computer program SCAP-BR for gamma-ray streaming through multi-legged ducts. (CONF-771109 – 88) 379546
Dajnyak, B.A.
On the mutual diffusion in the hafnium-tungsten system. 357260
Study on the phase growth during mutual diffusion in the Hf-W system. 357291
Dajon, M.I.
Determination of relative probabilities of the Ksub(μ2)sup(+), Ksub(π2)sup(+), Ksub(μ3)sup(+) and Ksub(e3)sup(+) decays using a magnetic spectrometer with streamer chambers. (ITEF – 28) 361902
Dakadze, S.D.
On the second sound damping in rotating helium-4. 369261
Dakar, G.M.
Extraction of elements in the form of oxygen anions from alkaline solutions. 369737
Dake, Shoji
Multi-cored air showers observed by a combination array of spark chambers and scintillation counters. 355568
Dakin, V.I.
Some features of chemical-radiation processes in the system of polyfunctional monomerpolyvinyl chloride. 369780
Dal'karov, O.D.
Narrow levels in the spectrum of quasinuclear bound and resonance B anti B states. 366826
Dalal, J.S.
Site-dependent seismic response spectra for soft sites. 379230
Dalcher, A.W.
Materials data requirements for the high-temperature structural design of 2 1/4 Cr-1 Mo steel components. (CONF-770545 – 3) 362389

Dale Sevier, E.
Semi-automatic solid-phase radioimmunoassay for carcinoembryonic antigen. 352175
Dale, B.W.
Improvement in or relating to the measurement of temperature. (UK patent document 1480347/A/) 348775
Dale, C.M.M.
Trained manpower resources in Brazil. Estimates and preparations. 371312
Dale, G.C.
UK experience of safety requirements for thermal reactor stations. 370591
Dale, J.E.
Translocation of ^{11}C from leaves of Helianthus: preliminary results. 360388
Dale, L.S.
The use of a total intensity internal standard for the emission spectrographic analysis of multicomponent alloy systems. (AAEC/E – 412) 362122
Dalecki, W.
Isotopic method for determining nonmetallic oxide inclusions (products of the deoxidation process) in steel. 373959
Dalen, A. van
Industrial applications of activable tracers. 375244
The separation and recycling of actinides: a review of the state of the art. (EUR – 5801) 361108
Dalen, J.P.J. van
Optimization of the microwave-induced plasma as an element-selective detector for non-metals. 354286
Dalessandro, J.A.
Advantages of nonuniform current density distribution in an ohmic heating coil. 348900
Mechanical and thermal design of a gas-cooled fusion blanket module. (GA-A – 14671) 371912
Dalgarno, A.
Charge transfer of multiply-ionized species. 374893
Formation and excitation of molecular hydrogen. 356209
Models of interstellar clouds. I. The Zeta Ophiuchi cloud. 359054
Radiative charge transfer between H and C^{++}, C^{+++}, and N^{++}. 350586
Theoretical studies of highly ionized species. Progress report, March 1, 1977 – February 28, 1978. (COO – 2887-2) 376998
Ultraviolet spectrometer experiment for the Voyager mission. 374884
Dalhed, H.E.
Ray tracing in axisymmetric toroidal coordinates. 371873
Dalidchik, F.I.
Vibrational excitation of molecules under resonant electron scattering. 353254, 377020
Dalimov, D.N.
Synthesis of certain new lupinine esters on the base of dialkythiophosphoric and dialkyldithiophosphoric acids and their alkylated iodides. 378192
Dalitz, R.H.
Quark models, old and new. 351148
Re-analysis of the baryon mass spectrum using the quark shell model. 356433
Dalkhsuren, B.
Search of conversion electrons emitted in the spontaneously fissile isomer decay. 359456
Dall'Acqua, F.
The photoreaction between furocoumarins and various DNA with different base compositions. 367450
Dall'Olio, A.
Effect of two non tricyclic antidepressant drugs on [^{14}C]5-hydroxytryptamine uptake by rat platelets. 357626
Spatial variability of physical properties of a tropical soil. (CENA-BT – 006) 360137
Dalla Francesca, M.
The spectral-distribution method in the space of M-bosons. 358635
Dalle Donne, M.
Design and safety studies for the gas-cooled fast reactor in the Federal Republic of Germany. 379231
GCFR Program in the Federal Republic of Germany. 379760
Post-accident heat removal for gas cooled fast reactors. (CONF-761001 – P4) 362895
Dallman, D.P.
Study of the planarity in K^-p reactions at 8.25 GeV/c. 369379
Dally, E.
A measurement of the electromagnetic size of the pion from direct elastic pion scattering data at 50 GeV/c. 353922
Dally, E.B.
Direct measurement of the π^- form factor. 372514
Giant resonances and bound collective states observed in the scattering of 92.5-MeV electrons from the closed-neutron-shell nucleus ^{89}Y between excitation energies from 2.0 to 55 MeV. 364814
Measurement of the electron – deuteron elastic scattering cross section in the range 0.8 less than or equal to q^2 less than or equal to 6 GeV^2. (SLAC-PUB – 1596) 361869
Dalmazzone, Jean
Ionization chamber. 355519
The metrology of α and β emitters radionuclides by high sensitivity calorimetry; errors due to thermal effects. (CEA-R – 4858) 355085
Dalry, R.H.
High temperature reactor needs special monitoring and control. 358414
Dalrymple, G.B.
Reply to comment by E.K. Jessberger. 378866
Dalton, J.T.
Development and radiation stability of glasses for highly radioactive wastes. 358485
Daly, G.H.
ERDA's role in low-level waste management. 380039
Daly, N.
Influence of calcium heparinate on the radiation-induced regression of metastatic cervical adenocarcinomas. Methodological approaches and preliminary results. 379050
Daly, N.R.
Use of a new type of plasma-ion analyzer to determine the hydrogen content of metals. 358932
Daly, P.J.
High-spin level structure of ^{188}Pt. (ZfK – 336) 364758
Daly, T.A.
Explicit iterative technique for FX2. 360431
Daly, T.E.
Oral complications of cancer radiotherapy. 360282
Dam, H. van
Thermal effects of an accelerating observer. 361319
Dam, P. van
Search for strangeness changing neutral currents induced by neutrinos in GARGAMELLE. 361875
Damasceno, O.O.
Quadrupole interaction in the stabilized cubic phase of HfO_2. 350708
Damask, A.C.
Pressure dependence of the lattice parameters of naphthalene up to 5.5 kbar and a re-evaluation of the elastic constants. 369620
Damaskin, B.B.
Modern status of the theory of organic substance adsorption effect on kinetics of electrochemical reactions. 378239
Damaskin, I.A.
Multiquanta transitions in Cd-In-S crystals. 363987
Dambasuren, D.
Effect of residual interaction in a particle-particle channel on low-lying state properties of spherical nuclei. 377942
Damburg, R.
Quasi-descret states in a model problem. (INIS-mf – 3915) 348665
Damburg, R.J.
Asymptotic approach to Stark effect for atomic hydrogen. 376999
Damerell, C.J.S.
K^-n elastic scattering between 610 and 840 MeV/c. 356502
Dameri, M.
Cross-sections and multiplicity distributions for π sup(-)p interactions at 11.2 GeV/c. 369278
Damgaard, S.E.
Tritium effect in peroxidation of ethanol by liver catalase. 352059
Damiani, F.
Accelerator for ion implantation in semiconductor materials. 352842
Vacuum components for ion implantation device. 352841
Damiao Soares, I.
Eigenvalue treatment of cosmological models. 366287
Damm, C.C.
Directions for possible upgrades of the Mirror Fusion Test Facility (MFTF). (UCRL – 80475) 377380
Streaming-plasma measurements in the Baseball II-T mirror experiment. (UCRL – 52279) 356104
Damm, G.
A sensitive mapping technique for bismuth using α-particle tracks. 367058
Damm, J.Z.
Effects of γ-ray irradiation on the properties of Pb^{2+} doped potassium chloride crystals. 365234
Damm, R.
Containment wall for nuclear reactor safety vessel. 355313
Dammann, H.
Arrangement to determine the position of a radiation source in at least one direction. (German (F.R.) patent document 2528437/A/) 376619
Damme, K.J. van
Absolute determination of thyroid activity from profile scans. Description of a correction method for extra-thyroidal activity of the neck. , pt. 2. (INIS-mf – 4088) 362769
Determination of total body activity with an absolute method, pt. 1. (INIS-mf – 4088) 363053
Damme, R. van den
Selection of potential sites in Belgium. (INIS-mf – 3903) 354985
Dammer, G.
Superconductivity in polymeric sulfur nitride (SN)sub(x) at high pressure. 365171
Damodaran, K.K.
Indian experience in the training of manpower for a nuclear power programme. 371321
Damour, T.
Dressing up a Reissner naked singularity. 377717
Klein paradox and vacuum polarization. 355747
Dams, W.
The exchange of chlorine atoms between chloroform and methyl chloride in the gas phase. 349208
Damveld, H.
Decision making about radioactive wastes, ch. 3. (INIS-mf – 4221) 379232
Storage of radioactive waste in salt caves. (INIS-mf – 4221) 379210, 379232, 379568, 380053, 380077, 380166
Dan'kin, A.A.
Strength and gas-abrasive wear-resistance of zirconium carbide based cerments. 375933

Dana, M.T.
Rainfall enhancement due to scavenging of cooling tower condensate. (BNWL – 2295) 362896
Danagulyan, A.S.
Photonuclear reactions in medium weight nuclei ^{51}V, ^{55}Mn and Cu. 354173
Danby, G.
Stability of high field superconducting dipole magnets. (BNL – 23211) 365734
Dance, H.C.
Inspection and enforcement views. 358568
Dancewicz, A.M.
Fluorescence of radiation-induced collagen aggregates. 367168
Radiation-induced changes in collagen molecule. 378956
Danchenko, V.
Prediction and measurement results of radiation damage to CMOS devices on board spacecraft. (N – 77-19162) 363632
Danchev, M.D.
Adsorption chemiluminescence on γ-irradiated adsorbents. 378539
Dancis, J.
Treatment of hypoplastic anemia in mice with placental transplants. 379011
Dancy, D.J.
The Culham Laboratory. 364225
Danczak-Ginalska, Z.
Early postirradiation response in lower lip carcinoma as a function of treatment parameters in iridium-192 interstitial therapy. 367559
Interstitial therapy with iridium 192. 373596
Dandapat, B.S.
Stability of magnetogasdynamic shear flow. 368759
Dander, W.
Hydrogen release due to metal corrosion during LOCA in a PWR plant of the Muelheim-Kaerlich type. 370934
Dandl, R.A.
Effects of global field errors on ELMO Bumpy Torus. (ORNL/TM – 6075) 368983
ELMO Bumpy Torus. (CONF-771109 – 57) 377381, 377382
Danel, F.
The detection and evaluation of the development of cavitation by direct listening of the ultrasonic field with the help of an heteridyne frequency shifting system. (IWGFR – 9) 350098
Daneliya, E.P.
Copper-based internally-oxidized alloys-heat resisting materials for electric conductors. 375760
Danese, L.
Unborn clusters. 364294
Daneshvar, K.
Energy dependence of the distribution of reaction strength in the ^{16}O + ^{40}Ca collisions. (ANL – 77-60) 378024
Fusion cross section behavior for light systems. (CONF-770968 – 7) 372784
Fusion of ^{16}O + ^{40}Ca. (ANL – 77-60) 377995
Danevich, V.I.
Calculation of pulse amplitude in nuclear magnetic logging. 367347
Device for nuclear magnetic logging. (Soviet patent document 441541/A/) 360173
Instrumentation for spin-echo nuclear magnetic logging. 375962
Modelling of the contactless polarization current switch-off process in nuclear-magnetic logging. 367360
Danforth, D.N. Jr.
Total unilateral renal destruction caused by irradiation for Hodgkin's disease. 352046
Danforth, J.L.
Experience at Deer Island with electron disinfection of sludge at high flow rates. (INIS-mf – 4220) 379416
Dang, R.
Total electron scattering cross sections by excited sodium atoms. 358762
Dang, V.D.
Thermochemical water-splitting cycle applicable to fusion reactors for production of synthetic fuels. 377543
Dange, S.P.
Kinetic energy distributions in the reactor neutron fission of ^{232}U and thermal neutron fission of ^{241}Pu and ^{245}Cm. 359518
Setting up of a facility for the recovery and storage of californium-252 from a capsule. (BARC – 905) 373012
Dangelmaier, P.
Economical problems in connection with the decommissioning of nuclear facilities. 352527
Dangelo, S.
Multihadron production e^+e^- annihilation at 1.6 c.m. energy. 364575
Dangor, A.E.
Energy deposition in neutral hydrogen by an intense relativistic electron beam. (INIS-mf – 3963) 371828
Daniel, H.
Measurement of the Coulomb capture ratio of muons in twenty oxides of medium and heavy elements. 362050
Phase space imaging of a beam of charged particles by frictional forces. 367960
Storage device for relativistic electrons consisting of a phase-free cavity resonator and two magnetic mirrors. 363339
Use of muonic x rays for nondestructive analysis of bulk samples for low Z constituents. 372918
Daniel, P.Y.
Radon daughters and fission products as atmospheric tracers. (CONF-741003 –) 370290
Daniel, R.
A report on the Basque Superconducting Solenoid project. 360720
Daniel, R.R.
Cosmic-ray antiproton flux: an upper limit near that predicted for secondary production. 372118
Daniel, S.L.
Model to predict the radiological consequences of transportation of radioactive material through an urban environment. (SAND – 77-0844C) 373577
Daniels, J.J.
Borehole geophysical investigations in the South Texas uranium district. 375975
Non-radiometric borehole geophysical detection of geochemical haloes surrounding sedimentary uranium deposits. 349655
Daniels, M.
Intrinsic polarization and rotational depolarization of fluorescence of DNA bases in aqueous solution at room temperature. 367457
Daniels, M.I.
Irradiated BWR fuel channel disposal. 357754
Daniels, W.B.
Pressure dependence of the lattice parameters of naphthalene up to 5.5 kbar and a re-evaluation of the elastic constants. 369620
Daniels, W.R.
Oklo, an experiment in long-term geologic storage. 362879
Danielson, G.E.
Voyager imaging experiment. 374966
Danil, D.
Kinetic investigation of the photolysis of 2-oxo-2,5-dihydro-1,3,4-oxadiazoles. 351989
Danil'chenko, I.A.
Valve control system for the Skat bubble chamber. 358355
Danilenko, L.I.
Experimental superconducting homopolar motors. 360651
Danilevich, V.V.
Device for flattening the intensity of random event fluxes at the multi-channel analyzer input. 358415
Danilevskii, N.P.
The dissociative excitation of halogen substituted methane by electron impact. 371504
Danilichev, V.A.
Electron linear accelerator for a cutted microtron. 360707
Danilin, L.D.
Measurement of X-ray radiation source parameters on the ^{55}Fe base. 370690
Danilkin, V.A.
Determination of oxygen content in titanium alloys by fast neutron activation method. 375231
Danilochkin, V.I.
Effect of temperature and deformation on the plasticity and specific pressure in the course of lanthanum rolling. (INIS-mf – 3839) 367211
Danilov, A.D.
Aeronomic reactions with participation of charged particles. (INIS-mf – 3915) 349673
Danilov, A.E.
Calculation of the symmetry of spherical target irradiation in multichannel laser systems. 374816
Danilov, A.F.
Three dimensional code for studying of MHD motion of tokamak plasma. (INIS-mf – 3963) 371802
Danilov, A.V.
Safety of Ag/AgI/Te film galvanic cells. 357006
Danilov, E.A.
Coolant purification system of high-temperature gas cooled reactors. 350237
Danilov, F.I.
Effect of nature and filling degree of organic adsorbate on kinetics of electrode processes. 357036
Danilov, M.
Backward elastic scattering of negative pions on protons at 25 and 38 GeV/c. (ITEP – 2) 356487
Danilov, M.V.
Elastic backscattering of pions minus on protons at 25 and 38 GeV/c. 369349
Danilov, V.M.
Dissipation of stars in spherical stellar systems. 377598
Danilov, V.N.
Connection between plastic deformation in fractures and rupture characteristics. 373191
Danilova, G.N.
Intramolecular nucleophilic splitting of 3-hydroxy-1,2-and 2-hydroxy-1,7-dicarbacloso-dodecaboranes (12). 369601
Danilova, T.V.
Energy spectrum of primary cosmic radiation in the energy range from 10^{13} to 10^{16} eV. 361706
Daniluk, J.
Studies on the radioprotective effect of Dianabol and Trasylol during fractionated irradiation of rats. 354779
Danilyuk, I.A.
Method of indicating linear travel of electrified material. (Soviet patent document 480963/A/) 376272
Danilyuk, Yu.L.
Circuit for changing voltage polarity of the power supply for the MI-1305 ion mass spectrometer. 376702
Danis, D.
Methods of measuring and evaluating data from the R3E 100 mm dia. experimental fuel element. 350247
Danisch, R.
Nuclear power plant with spherical containment. 355408
Nuclear power station with a spherical containment shell. (German (F.R.) patent document 2244563/B/) 355312

Danishevskij, A.M.
Three-photon absorption and linear-circular dichroism in InAs. 368760
Danisina, I.N.
Effect of nitrogen equilibrium pressure on the TiNsub(n) and HfNsub(n) melting temperature. 378765
Dankwort, W.
Handy formulae for the relativistic interactions between electrons in Breit-Pauli approximation. 374605
Multiconfiguration Hartree-Fock calculations for ions of the boron isoelectronic sequence. 348666
Dann, R.W.
Scintigraphic detection of acute gastrointestinal bleeding. 357631
Danneberg, O.H.
Chromatography of humic substances on controlled pore glass. 357454
Dannefaer, S.
A simple approach to the analysis of positron lifetime spectra. 353416
Danner, W.
Controlled fusion in Germany running activities and future program. 377383
Danon, J.
Electronic structure, optical aspects and hyperfine interactions in ruthenium complex. 364025
EPR of electron irradiated K_4Os sup(II) $(CN)_6$ in KCl single crystals. (CBPF – A0024/77) 364143
Hyperfine interactions in the transition elements of the 3d, 4d and 5d series. 363989
Irradiation effects in orthopiroxenes related to contents of Fe^{3+}. 364114
Isometric displacement of the iron and ferricyanide ions by the multiple scattering method. 364026
Moessbauer spectroscopy in some irradiated laminar silicates. 350724
Moessbauer spectroscopy of meteorites fallen in Brazil. 363949
Moessbauer spectroscopy of the $NaFeS_2$. 364130
Moessbauer spectroscopy of the Saint-Severin meteorite. 364842
Moessbauer spectroscopy study of the temperature and irradiation effects in tourmaline. 364112
Study by Moessbauer spectroscopy of archaeological ceramics. 363988
Study by Moessbauer spectroscopy of the irradiation and temperature effects in the staurolite. 364113
Study of the f-factor by Moessbauer spectroscopy of diimines complex of Fe(II). 364124
Danos, M.
Separation of the ΔΔ and NN components of the deuteron by the kinematics of high energy πD reactions. 364487
Danov, S.M.
Effect of molybdenum (6) oxide on reaction of acetonitrile with acetic acid. 378451
Dantser, A.A.
On the fall in the breakdown electric potential of gas in the field of stationary ionizing radiation. 350385
Dantser, K.
Semiquantitative spectral determination of element trace amounts in thin layers without using standards. 364859
Danyluk, S.S.
Conformational characteristics of rigid cyclic nucleotides. II. The solution conformation of α-nucleoside 3',5'-cyclic monophosphates and the role of the 2'-hydroxyl group. 378334
Danysz, A.
Studies on the radioprotective effect of Dianabol and Trasylol during fractionated irradiation of rats. 354779
Danziger, I.J.
Spectroscopic observations of the X-ray nova A0620-00. 349036
Danzmann, H.J.
DAtF-KTG-Reactor Meeting 1977 in Mannheim. 355362
Safety of nuclear power plants. 354981
Dao, F.T.
Search for charmed particles in 14.75 GeV/c pp interactions. 375069
Daou, J.N.
Recovery of low-temperature electron-irradiated lutetium. 354607
Daoud, H.
Method of distinguishing spherical operational elements for nuclear reactors. (German (F.R.) patent document 2531307/A/) 355420
Dapht, M.J.
Encapsulation of radioactive-sources. (INIS-mf – 4052) 373930
Dapkviashvili, A.G.
Low-temperature radiolysis of aliphatic thils. Chapter 5. (INIS-mf – 3678) 354444
Darbar, L.
An approximate approach to the evaluation of the anomalous magnetic moment of the neutron. 375078
Darby, D.M.
Effect of cellular DNA content on ^{125}I and X-ray damage to E. coli. 365365
Darden, C.W.
Inelastic scattering of π^+ Mesons from nuclei at 50 MeV. 369493
Dardo, M.
Results of the Torino search for quarks. 369362
Small changes in the atmospheric electric field from extensive air showers. 365318
Darema-Rogers, F.
Comparison of the interacting boson approximation with an exact shell model calculation on the ^{16}O nucleus. 364676
Darensbourg, D.J.
Chemical and infrared spectral details of reactions involving stereospecific incorporation of oxygen-18 into substituted manganese and rhenium carbonyl derivatives via exchange reactions with $H_2{}^{18}O$. 364939
Oxygen exchange reactions of $H_2{}^{18}O$ with the hexacarbonyl cations of manganese and rhenium. 357007
Phase-transfer catalyzed ^{18}O labeling studies of carbonyl ligands in neutral metal carbonyl derivatives. 378240
Darenskaya, N.G.
On the informativeness and prognostic significance of indices of the initial state for estimation of individual radiosensitivity of rats. 376092
Daret, J.
Relationships between mechanical behavior in neutral environment and stress corrosion behavior for austenitic stainless steels. 354505
Darewych, J.W.
Comparison of local exchange potentials for electron scattering by hydrogen molecules. 361332
Electron-molecule scattering at middle energies using different local exchange potentials. 358699
Note on local exchange approximations in electronic collisions. 358700
Dargejko, M.M.
On the stability of plasma column position control system. 348901
Dargis, A.Yu.
Charge carrier recombination in high-resistant n-InSb at 77 K. 374772
Dargna, V.K.
Sensitivity study of Zn s(ag) fast neutron detector dispersed in plexiglas. 368282
Dariel, M.P.
Interdiffusion study in the $CeCo_2$-Co system. 354561
Darkhosh, T.
Acausal behavior of the Proca equation in an external field. 371362
Darlaston, B.J.L.
Evaluation of flaw indication – an extension of fast fracture assessment into the post yield regime. 364601
Darlinson, R.
Epoxy resin based tissue substitutes. 360551
Darras, R.
Use of nuclear methods for the analysis of materials and the determination of concentration profiles. (CEA-CONF – 3884) 354287
Darrieutort, B.
Relationships between mechanical behavior in neutral environment and stress corrosion behavior for austenitic stainless steels. 354505
Darrin, J.C.
Radioactive waste disposal: after it leaves the plant. 358514
Darriulat, P.
Charged particle multiplicity distributions in pp collisions at ISR energies. 356525
Charged particle multiplicity distributions in pp-collisions at ISR energies. 353996
Physics with very high energy e^+e^- colliding beams. (CERN – 76-18) 375013
Dartnell, A.
Energy-dependent cross sections for K^- neutron interactions in the CM energy range 1750-2200 MeV from five K^- deuterium bubble chamber experiments. 356500
Dartyge, E.
Thermal annealing of iron tracks in muscovite, labradorite and olivine. 360071
Darvas, J.
DAtF-KTG-Reactor Meeting 1977 in Mannheim. 355362
Darvojd, T.I.
Cherenkov shower γ-spectrometer. 376655
Das Gupta, M.K.
Some studies on isolated sunspot magnetic configurations and associated Hsub(α)-flares and microwave bursts. 366679
Das Gupta, S.
Experimental high temperature coefficients of compressibility and expansivity of liquid sodium and other related properties. (COO – 3027-27) 379749
Nuclear level density with realistic interactions. 359384
The structure of ^{12}C and ^{16}O in a cluster model with varying hinge angle. 356569
Das Gupta, S.R.
On coherent scattering in stellar atmospheres. 372142
Das, A.
Combined Dirac – Einstein – Maxwell field equations. 350512
Das, A.K.
Thermodynamic calculations for combustion plasma. 348972
Das, B.C.
The determination of uranium in geological samples by an indirect atomic absorption spectrometric procedure. 351431
Das, B.N.
Metallurgical processing, structure, and superconducting transition temperature of V_3Ga. 357261
Das, D.K.
Study of rooting pattern on wheat under different soil moisture regimes and nitrogen levels using ^{32}P injection technique. 352107
Das, H.A.
Activation analysis. (INIS-mf – 4203) 376269
Isotope dilution and isotopic exchange as analytical methods. (INIS-mf – 4203) 375245

Kinetic applications of radiotracers. (INIS-mf – 4203) 376292
Measurement of nuclear radiation. (INIS-mf – 4203) 376620
Production and decay of radionuclides. (INIS-mf – 4203) 375629
Sorption of cobalt and zinc from fresh water and seawater. (ECN – 23) 351954

Das, P.K.
Improvement of some vegetatively propagated ornamentals by gamma radiation. 352139

Das, R.
Role of thyroid gland on the peroxidase and iodinating enzymes of submaxillary gland. 352089
Study of $^{24}Mg(d(pol),p)^{25}Mg$ with polarized deuterons. 356708

Das, S.K.
Accelerator system for producing two-component beams for studies of interactive surface effects. (CONF-770949 – 2) 374066
Radiation blistering in metals and alloys. 357409
Sputtering of niobium by energetic neutrons and protons: A round-robin experiment. 350569
Study on the blistering when the helium ion spectrum is close to one expected in CTF. (INIS-mf – 3954) 364027

Das, T.K.
Analytic wave function for the deuteron D states. 364642

Das, T.P.
On the compatibility of Peierls insulator and antiferromagnetism in quasi-one-dimensional systems. 355972
Theory of nuclear quadrupole interaction in hexagonal close packed metals: cadmium and zinc. 365165

Dasanacharya, B.A.
Rayleigh and Brillouin scattering observations in neutron scattering. 372557

Dasgupta, B.B.
Damping of long-wavelength surface plasma oscillations. 361434

Dash, K.C.
Thorium(IV) complexes with bidentate Schiff base ligands. 351532

Dashchenko, A.J.
Continuous radiation under ion bombardment of some transition metals. 374764
Excitation of sputtered and scattered particles under ion bombardment of some metal surfaces. (INIS-mf – 3996) 364095

Dashen, R.
Instantons and massless fermions in two dimensions. (COO – 2220-110) 361775

Dashen, R.F.
Beta decay of pion condensates as a cooling mechanism for neutron star. 351051

Dashevskaya, E.I.
Semiclassical theory of quasi-resonant transfer of polarization in atomic collisions. (INIS-mf – 3915) 348717
Short-range repulsion effect on collisional depolarization cross-section of atoms. (INIS-mf – 3915) 348667

Dashevskij, Z.M.
Preparation and certain properties of the films of solid solutions of the system Bisub(2)Tesub(3-x)Sesub(x). 378607

Dashkovskij, A.I.
An investigation of helium release from structural materials during heating. 360124

Dashuk, P.N.
Low-inductance megampere commutator with using creeping discharge. 363613
Megaampere current commutation in capacitive storages for thermonuclear reactor power supplies. (INIS-mf – 3954) 361521

Daspit, S.G.
Quantitative lung ventilation-perfusion ratios. (INIS-mf – 4010) 367696

Dass, Narsingh
Magnetic properties of paramagnetically doped crystals of Er^{3+} in garnets. 366431

Dassin, E.
A critical evaluation of the methods of evaluating the sequestration of chromium-labelled platelets. 354895

Dasskowski, E.
PETRA physical plant. 363200

Dasso, C.H.
Estimate of double octupole phonon excitation in the Xe + Pb reaction using the coupled channel WKB approximation. 356817

Dastur, A.R.
Confirmation of CANDU shutdown system design and performance during commissioning. (AECL – 5914) 363476

Dasyuk, Ya.I.
Residual stresses in a plate with a diffusion coating taking into account phase transformations. 375872

Datlina, N.S.
Investigation of electrode processes during electrorefining of hafnium. (INIS-mf – 4189) 375434
Preparation of highly pure vanadium by the electrorefining of wastes of industrial vanadium base alloys. (INIS-mf – 4189) 375412

Datlowe, D.W.
Pulse pile-up in nuclear particle detection systems with rapidly varying counting rates. 366015
The role of the waveform in pulse pile-up. 366014

Datsenko, L.I.
Dynamic scattering of x-rays by radiation defects near Ge absorption K-edge. 354608
Investigation of structural perfection of semiconductor crystals and heterostructures by means of synchrotron radiation. (EFI – 206(52)-76) 379971

Datta, A.G.
Role of thyroid gland on the peroxidase and iodinating enzymes of submaxillary gland. 352089

Datta, K.K.
Photodissociation of HD^+ by electronic and vibrational excitations. 374606

Datta, S.
Dose function for beta dosimetry. 363079
Laser isotope separation. Photochemical scavenging of chlorine-37 by bromobenzene. 357001
Spectrum shapes of low-energy photon sources. 361942

Datta, S.K.
Bone marrow transplantation immunology. 370372
Elastic and inelastic scattering of 11.8 MeV polarized deuterons from ^{34}S. 377951
Study of $^{24}Mg(d(pol),p)^{25}Mg$ with polarized deuterons. 356708
Study of the reaction $^{34}S(d(pol),p)^{35}S$ with vector-polarized deuterons. 354130

Dattagupta, S.
Self-interstitials trapped at Co impurities in electron-irradiated Al: theoretical study of the effects of static and dynamic quadrupolar interactions on Moessbauer line shape. 351884

Dattatreya, E.S.
Models and error analyses of measuring instruments in accountability systems in safeguards control. (UCRL – 13733-2) 353003

Dattoli, G.
Hadron polarizabilities and quark models. (INFN-LNF – 77-9(R)) 369275

Datz, S.
Electron capture to K vacancies in chlorine ions (approximately 1.5MeV/amu); relation to emergent charge states. 358735

Dau, G.
Secure storage of radioactive waste. 352848

Dau, G.J.
Rationale for in-service inspection during nuclear power plant design/fabrication. 360798
A review of online leak detection methods for reactor systems. 365769
A status report on austenitic pipe inspection. 365770
Waste isolation safety assessment program. (BNWL-SA – 6158) 361115

Daublebsky, P.
Burst protection for containers under high pressure, in particular steam generators. (German (F.R.) patent document 2522214/A/) 352648
Device for the burst protection of nuclear reactor pressure vessels. (German (F.R.) patent document 2522202/A/) 355268

Dauchot, J.P.
Catalytic activity of sputtered platinum oxide films. 368763

Dauck, J.
Operational tests. 376584

Daugeras, B.
Inclusive V^0 production in anti pp interactions at 12 GeV/c. 353939

Daugherty, J.K.
Cyclotron lines in the Her X-1 spectrum: structure and higher harmonics. 374894

Daujat, Pierre
A study of the automatic control of a photonuclear experiment. (CEA-N – 1983) 360716

Daum, C.
Reconstruction of the momentum of a particle moving in an axially symmetric magnetic field. 358344

Daum, M.
Proposal for an experiment at SIN: precision measurements of μ^+-impulses from disintegration of arrested pions. (LA-tr – 77-76) 377795

Daunov, M.I.
On band structure of $CdSnAs_2$. 364940

Dauphin, J.F.
Research of glycolaldehyde formed during gamma irradiation of maize starch. 365059

Dautov, R.A.
Digital integrator for a pulsed nmr spectrometer. 358446
Pulsed variation of the temperature of the dipole-dipole interaction resevoir in double nuclear-nuclear resonance. 368875

Dautzenberg, F.
The polarized beam facility in Eindhoven. (INIS-mf – 4267) 379513

Davarashvili, O.I.
Epitaxial layers of Pbsub(1-x)Snsub(x)Te and Pbsub(1-x)Snsub(x)Se. 370048

Dave, N.K.
Positron annihilation in some ferro and antiferro-electric materials. 353417

Davenport, F.S.
Improving regulatory effectiveness in federal/state siting actions: water supplies and the nuclear licensing process. (NUREG – 0201) 360405

Davenport, P.A.
Re-circulating power, unit costs and thermal pollution of fusion power stations. 371803

Davey, G.
The design of small constant flow cryostats. 360611

David, F.
Thermodynamic properties of 5f elements. 369738

David, G.S.
Semi-automatic solid-phase radioimmunoassay for carcinoembryonic antigen. 352175

David, M.
Change in TL sensitivity of quartz due to stress. 366016

David, P.
The $(\alpha,\alpha'f)$ reaction on ^{232}Th. (INIS-mf – 4267) 378044

Evaporation residue excitation functions for ^{35}Cl induced reactions of $^{112,120}Sn$ and ^{141}Pr. 354174
Investigation of Bremsstrahlung-induced reactions on nuclei of masses A = 27-238 in the range of the photon energies from 450 MeV to 2.2 GeV. 364759
Statistical analysis of heavy-ion induced fission excitation functions. 364652
Davidenko, D.F.
Iterative method of the parameter variation for solution of nonlinear functional equations. (IAE – 2574) 358602
Davidenko, G.V.
Experimental limittion on probability of the Ksub(L)→eta(480)+γ decay. (ITEF – 3) 353765
Davidenko, N.K.
Electron spectroscopic study into composition and structure of europium aquo-complexes. 369663
Davidenko, V.A.
Longitudinal polarization measurements on direct muons produced in proton-nucleus collisions. 353925
Two-pulse power supply for a large streamer chamber. 358421
Davidov, D.
Electron spin resonance of $LaBe_{13}$:Er:evidence for Er spin-spin exchange broadening. 363997
Electron spin resonance of Nd^{3+} and Gd^{3+} in cubic AB_2 Laves-phase intermetallic compounds. (INIS-mf – 4267) 377001
ESR of impurity as a probe for the host exchange interaction in Tm Van-Vleck compounds. 378760
Relaxation phenomena and host exchange parameters in Tm van Vleck compounds. 350791
Davidovic, D.M.
K-shell ionization of atoms by relativistic protons. 377082
Davidovich, R.L.
Crystal structure of cesium chlorotrifluoro-antimonite. 369717
Davids, C.N.
Fusion of ^{16}O + ^{40}Ca. (ANL – 77-60) 377995
Mass and beta decay of ^{59}Mn . 351401
Davidsen, A.
Spectrophotometry of the unusual optical candidate for 3U 1728-24 (=GX 2 + 5 = GX 1 + 4). (CONF-7510169 –) 364303
Davidsen, A.F.
Absence of iron line emission in Cgy X-3. (CONF-7510169 –) 364408
Soft x-rays from Her X-1 during the "off" phase. (CONF-7510169 –) 364322
Ultraviolet spectrum of quasi-stellar object 3C273. 348987
Davidson, C.A.
Transportation Environment Data Bank index. (SAND – 75-0248C) 361203
Davidson, E.R.
One and two electron integrals over Cartesian Gaussian functions. (UCRL – 13791) 377080
SCF-stabilization approach to excited states embedded in the continuum. 350570
Size consistency in the dilute helium gas electronic structure. 371474
Davidson, I.
The analysis of cracked structures. (IEA – 337) 365218
The dynamic relaxation method in the structural analysis of concrete pressure vessels. (IEA – 471) 365801
Davidson, J.E.
Safety inspection guide, Mod III (a systematic approach to conducting a safety inspection). (SAND – 77-0857) 360432
Davidson, J.K.
Program plan for transfer of core analyses technology to the nuclear utility industry of a developing country. 352439
Program plan for transfer of core analysis technology to the nuclear utility industry of a developing country. 358129
Davidson, J.N.
Injection scenarios for TNS. 377523
Davidson, K.E.
Backup computer theory for process control computer systems. 379581
Davidson, K.V.
Chemical vapor deposition of tantalum on graphite cloth for making hot pressed fiber reinforced carbide-graphite composite. (LA-UR – 77-1261) 351863
Fabrication of graphite matrix fuel for pulsed reactors. (LA-UR – 77-465) 350274
Irradiation test OF-2: high-temperature irradiation behavior of LASL-made fuel rods and LASL-made coated particles. (LA – 6988-MS) 374229
Davidson, R.
Influence of strong inhomogeneities on high-frequency mirror-drift-cone and convective-loss-cone instabilities. 350821
Davidson, R.C.
Anomalous transport in high-temperature plasmas with applications to solenoidal fusion systems. 348902
Influence of strong inhomogeneities and magnetic shear on microstability properties of the Tormac sheath. 364201
Influence of strong self-electric fields on the ion resonance instability in a nonneutral plasma column. 364185
Davidson, R.H.
Core cooling for the BWR. 363439
Reliability improvement: where do we go from here. The role of codes and standards. 363685
Davidyuk, G.E.
Specific features of photoelectrical properties of CdS monocrystals, irradiated with fast neutrons from a reactor. 348784
Davidz, A.
Different perturbed uncoupled Hartree – Fock methods for physical properties of atomic systems. 350597
Davier, M.
A simple description of the Jsup(P) = $1^+K^{+-}\pi^+\pi^-$ system in the reactions $K^{+-}p \rightarrow K^{+-}\pi^+\pi^-p$. 353779
Davies, A.T.
Fundamentals of quark models. Proceedings of the seventeenth Scottish Universities Summer School in Physics, St. Andrews, August 1976. 351146, 351148, 351166, 351185, 351189, 351197, 351198, 351203, 351204
Davies, D.
The injection of sodium into liquid stainless steel. (PNC-N – 251-76-12(vol.1)) 350126
Davies, D.J.G.
The effect of CTAB on the radiation sensitivity of benzocaine to hydrated electrons and hydroxyl radicals in aqueous solution. 375678
The sensitising effect of a sunscreening agent, p-aminobenzoic acid, on near UV induced damage in a repair deficient strain of Escherichia coli. 360240
Davies, D.S.
A non-enzymic procedure for the quantitative analysis of (3-methoxy-4-sulphoxyphenyl) ethylene glycol (MHPG sulphate) in human urine using stable isotope dilution and gas chromatography-mass spectrometry. 351448
Davies, D.T.L.
Some problems encountered in the instillation of core and associated components for the Hartlepool and Heysham AGRs. 352695
Davies, E.B.
Irreversible dynamics of infinite fermion systems. 353066
Davies, F.M.
Reliability of heat removal systems. 373801
Davies, G.
Charge states of the vacancy in diamond. 351885
Pseudo-Jahn-Teller effects in H3 vibronic spectrum in diamond. 370147
Davies, I.J.T.
Medical significance of the essential biological metals. 369535
Davies, J.
Conserving uranium without the fast breeder. 365823
Davies, J.A.
Backscattering measurements of the temperature dependence of irradiation-induced displacement of As and Sb atoms in Si crystals. 370223
Migration of ion-implanted krypton in silicon during anneal. 367346
Surface structure studies of platinum crystal surfaces by ion backscattering and channeling. 368761
Davies, J.D.
K^-n elastic scattering between 610 and 840 MeV/c. 356502
The multi-disciplinary role of 'pion factories'. 365738
Davies, J.E.O.
Canadian attitudes to nuclear power. (AECL – 5714) 360433, 370540
Davies, J.H.
Nuclear fuel element. (German (F.R.) patent document 2549970/A/) 350153
Davies, J.K.
Coherent production of low-mass $p\pi^+\pi^-$ states in the interaction of 18.6 GeV/c protons with ^4He nuclei. 372518
Davies, J.V.
Implication of protein aromatic amino acids in concanavalin A-carbohydrate interactions. 376057
The interaction of cytochrome c with phospholipids. 378982
The reaction rates of electrons with native and irradiated ribonuclease. 352005
Davies, K.
TFTR magnetic field design analyses. (WFPS-TME – 026) 366519
Davies, M.
Biosynthesis of methylmercury compounds by the intestinal flora of the rat. 365474
Davies, M.E.
Heater control apparatus. (UK patent document 1480500/A/) 350329
Voyager imaging experiment. 374966
Davies, P.A.
Angular velocity in rotating systems. 348582
Davies, P.C.W.
Covariant point-splitting regularization for a scalar quantum field in a Robertson-Walker universe with spatial curvature. 355732
Equivalence of massless boson and fermion theories in curved two-dimensional space-time: Sugawara stress tensor. 368536
Particle creation and geometry. 355748
Space and time in the modern universe. 364304
Davies, R.A.
Performance of PFR hydrogen leak detection system based on water and hydrogen injection into the steam generator units. (CONF-760503 – P2) 352738
Davies, R.D.
Limits on neutral hydrogen in the direction of PHL 957. 356211
Saturation effects in OH maser clouds. 356210
Studies of low-frequency recombination lines from the direction of the Galactic Centre and other galactic sources. 372233
Davies, R.E.
γ-rays from γ Geminorum. 374895
Davies, R.W.
Negative pion irradiations of the mouse testis. 352032
Davies, T.J.
Technique for measuring optical fiber transmission using the time dispersion of Cerenkov radiation. 352429

Davila, D.
Angiotensin II inhibits the uptake and removal of [3H] metaraminol by rat lung in vitro. 379091
Davila, T.
Angiotensin II inhibits the uptake and removal of [3H] metaraminol by rat lung in vitro. 379091
Davis, A.I.
Fission and non-fission foil material acquisition and quality assurance. (HEDL-TME – 75-130) 352489
Davis, A.M.
Trace elements in the Allende meteorite. 354656
Davis, B.W.
Preliminary characterization of the pressure suppression experiment load response and source analysis: air test series. (UCID – 17552) 379626
Davis, C.G. Jr.
Mass loss and cepheid pulsation. (LA-UR – 77-1922) 361685
Davis, C.L.
Total cross sections for charged-current neutrino and antineutrino interactions in BEBC in the energy range 20-200 GeV. 353945
Davis, D.E.
Manufacturing method for a nuclear fuel rod. (German (F.R.) patent document 2625602/A/) 355326
Method of making nuclear fuel bodies. (US patent document 4,035,452/A/) 378764
Davis, D.H.
Determination of the branching fractions for kaons minus-meson absorption at rest in carbon nuclei. 362109
Davis, D.M.
Applied health physics and safety annual report for 1976. (ORNL – 5310) 356991
Health Physics Division. Annual progress report for period ending June 30, 1976. (ORNL – 5171) 366238, 366918, 367226, 367367, 367490, 367520, 367525, 367537, 367539, 367541, 367552, 367553, 367554, 367555, 367556, 367560, 367561, 367563, 367565, 367566, 367567, 367581, 367594, 367597, 367599, 367600, 367601, 367628, 367726, 367727, 367742, 367755, 367879, 368492
Davis, D.W.
Determination of the ^{87}Rb decay constant. 359471
Davis, G.P.
Improvements in or relating to radiation detection arrangements. (UK patent document 1484132/A/) 358356
Davis, H.A.
Generation of field-reversing E layers with millisecond lifetimes. 368930
Production of field-reversing electron rings by ring stacking. 358933
Recent progress on the field-reversing electron ring experiments at Cornell. (INIS-mf – 3963) 371846
Davis, H.L.
Analysis of angular dependent Auger spectroscopy (ADAS) based on a quasiatomic model. (CONF-770908 – 6) 371475
Davis, J.
Laser-matter interaction studies at NRL. 372038
Davis, J.B.
A simple technique for the absolute assay of ^{197}Hg labelled samples. (INIS-mf – 4010) 370691
Davis, J.C.
H(t,n)^{3}He reaction for depth profiling of hydrogen by neutron time-of-flight. (UCRL – 79201(Rev.1)) 351245, 356938
Rotating target neutron generators. 355173
Davis, J.F.
US uranium industry continues active development despite nuclear uncertainties. 373397
Davis, J.F. III
Kinetic and experimental study of argon and argon – nitrogen mixtures excited by fission fragments. 364621
Davis, J.M.
Comparison of solar wind streams and coronal structure near solar minimum. 351058
The gross energy balance of solar active regions. 372160
Davis, J.W.
Assessment of titanium for use in the 1st wall/blanket structure of fusion power reactors. (EPRI-ER – 386) 348903
Considerations of the recycle time for radioactive titanium alloy structures. 377461
Major cost drivers for tokamak fusion power plants. 377386
Davis, K.A.
Development and testing of instrumentation sensors for sodium coolant systems. (CONF-760503 – P2) 352739
Davis, L.R.
Pair production by photons in a constant electromagnetic field. 355749
Davis, M.
Integration of the BBGKY equations for the development of strongly nonlinear clustering in an expanding universe. 359073
Davis, M.A.
A ^{178}W-^{178}Ta generator system. (INIS-mf – 4010) 357109
Comparison of four stannous compounds for in vivo red cell labelling with sup(99m)Tc. (INIS-mf – 4010) 362721
Radionuclide angiography with iridium-191m (Tsub(1/2)=4.9s). An improved osmium-191→iridium-191m generator. 354852
Radiopharmaceuticals for acutely damaged myocardium. II. Synthesis and evaluation of [^{203}Hg] hydroxymercurifluoresceins. 352103
Davis, M.C.
Absolute measurements of fast fission cross sections for ^{235}U and ^{239}Pu. 364760
Fission cross sections of ^{235}U and ^{239}Pu averaged over ^{252}Cf neutron spectrum. (BNL-NCS – 22500) 356734
Davis, M.J.
Tokamak first-wall coating program development. (SAND – 77-1027) 377384
Davis, P.R.
Adsorption and early stages of condensation of Ag and Au on W single-crystal surfaces. 351700
Davis, R. Jr.
Estimation of skeletal calcium in humans by exhaled ^{37}Ar measurement-evaluation of the fast neutron dose requirement. 352154
Davis, R.C.
DuoPIGatron ion sources for PLT injectors. (CONF-771029 – 63) 372064
Impurity studies experiment/ORMAK-upgrade neutral beam systems. 377547
Methods for independent plasma production and beam injection for $H^+ \rightarrow H^-$ surface conversion. (CONF-770940 – 6) 372063
New ORNL neutral beam transport system. (CONF-771029 – 147) 377546
Davis, R.M.
Regional Studies Program annual report, January 1 through December 31, 1976. (ORNL-TM – 5838) 362841
Davis, R.R.
Effects of nuclear electromagnetic pulse (EMP) on nuclear power plants. (ORNL – 5029) 357730
Davis, R.S.
CONIFERS: a neutronics code for reactors with channels. (AECL – 5305) 360763
Davis, S.
Kinematical scaling violation at fixed energy. 364488
Davis, S.A.
Cs – U – O phase diagram and its application to uranium – plutonium oxide fast reactor fuel pins. (ANL – 76-126) 370083
Davis, S.L.
Energy loss rates of energetic ions injected into the FM-1 spherator. 350822
Ion energy balance in ohmically heated PLT discharges. (PPPL – 1403) 377366
Davis, S.N.
Summary of geologic review group meetings, July 21 – 22, 1977. (Y/OWI/TM – 18/3) 374430
Davis, W. Jr.
A cost/benefit analysis of methods for controlling the release of radioactive materials in the nuclear fuel cycle. 368441
Model of iodine transport and reaction kinetics in a nuclear fuel reprocessing plant. (ORNL/NUREG – 16) 357195
Davis, W.D.
Measurement of plasma wave electric fields in solar flares. 356212
Type II emission mechanism. 366686
Davis, W.R.
On certain timelike symmetry properties and the evolution of matter field space-times that admit them. 368574
Symmetry mappings concomitant to particle-number-conservation-baryon-number conservation. 359243
Davison, L.
Calculation of spall damage accumulation in ductile metals. (SAND – 76-5948C) 371581
Davison, N.E.
Measurements of the proton total reaction cross section for ^{24}Mg, $^{64\ 66\ 68}$Zn and ^{140}Ce between 17.5 and 48 MeV. 356735
Davison, P.J.N.
The binary X-ray pulsar 3U 1538 – 52. 359074
Periods in X-ray sources. 369052
Davitashvili, T.Sh.
Q_4-band of optical absorption of KCl crystal. (INIS-mf – 3245) 355976
Davito, A.M.
Seismic analysis of the Nuclear Fuel Service Reprocessing Plant at West Valley, New York: documentation. (UCID – 17453) 359856
Davituliani, A.A.
On the establishment of equilibrium between nuclear and electronic subsystems by dynamic cooling of nuclei. 377166
Davletshin, A.N.
Analysis of the method to measure fast monoenergetic neutron fluxes by recoil-proton proportional counters. 379874
Radiative capture cross-section of 0.6 – 1 MeV neutrons by ^{238}U nucleus. (INIS-mf – 3897) 356737
Radiative capture cross-sections of fast neutrons by ^{197}Au nucleus. (INIS-mf – 3897) 356736
Radiative capture of fast neutrons by ^{238}U nucleus. (INIS-mf – 3897) 356915
Technique for measuring the radioactivity of ^{239}U. (FEI – 501) 356767
Davlyatova, L.N.
Transformation kinetics of supercooled austenite in 12Kh1MF steel. 369902
Davoust, M.E.
Transverse electrical conductivity of superconducting multifilamentary composites. 359909
Davy, D.R.
Environmental aspects of uranium mining and milling in Australia. 360138
Davydkin, V.A.
Two-photon ionization of a hydrogen metastable molecule. 368621
Davydov, A.A.
Investigation of thermal transformation of lanthanum and neodymium hydroxides by IK-spectroscopy. 367082
Davydov, A.D.
Electrochemical machining of the VKh6 alloy. 362355
Investigation of anode-anionic activation of oxidized niobium.

359867
Role of defects of oxide film in the process of anodic-anionic activation of niobium. 378241
Davydov, A.T.
Solvation and sorption properties of KU-2 cationite in nonaqueous acetic acid. 362172
Davydov, B.I.
Biological interaction of rf electromagnetic waves and ionizing radiation. 349735
Davydov, E.F.
Experimental results with carbide fuel rods in the BOR-60 reactor. (KFK-tr – 536) 355481
Investigation of the performance of uranium-plutonium mixed oxide fuel pins for the reactor BN-600. 355463
The irradiation behaviour of carbide fuel elements in the BOR-60 breeder reactor. 376596
Davydov, M.G.
The characteristics of photo-activation of light elements. (INDC(CCP) – 104/LN) 372848
On problem of optimization of instrumental activation analysis. 375247
Optimization of quantitative gamma activation analysis using method of experiment planning. 375246
Davydov, R.M.
Study of dynamic characteristics of conformation non-equilibrium states of hemoglobin and its complexes by the radiolysis method. 375684
Davydov, V.A.
Particle identification in a hodoscope Cherenkov spectrometer. 355520
Davydov, V.I.
The KS-KT-100 plant for two-stage vitrification of radioactive waste: results of tests with simulators. 358477
Process equipment for some operations in reprocessing fast reactor fuels. (IAEA-AG – 63-26) 363518
Davydov, Y.P.
The state of trivalent chromium trace amounts in solution. 351604
Davydov, Yu.B.
On the theory of the neutron activation measurements in wells. 360174
Davydov, Yu.P.
On fission neutron logging by threshold detectors. 375989
Davydova, L.S.
Effect of hydroextrusion on the armco-iron and U-8 steel structure and properties. 373176
Davydova, M.P.
Relative intensities of optical transitions in rhombic centers of CaF_2-Er^{3+}. (INIS-mf – 3955) 378242
Davydovskaya, N.U.
Evaluation of nuclear constants for ^{235}U in the neutron energy range from 10^{-4} to 15 MeV. (INIS-mf – 3895) 356804
Davydovskij, V.Ya.
Trapping of charged particles by transverse electromagnetic waves. 348988
Davyjdova, S.L.
Use of a luminescent probe to investigate complexing of rare earths with macromolecular ligands. 359720
Daw, G.
Secure storage of radioactive waste. 374426
Dawance, Guy
Process and device of leak testing of works, especially concrete works. 355220
Dawe, J.A.
Velocity dispersions in clusters of galaxies. 369058
Dawes, P.J.D.
The interaction of thyroid-stimulating antibodies with solubilised human thyrotrophin receptors. 362829
Dawes, W.D.
Radiation exposure: some basic facts. 373564
Dawes, W.R.
Radiation hardened field oxide. (SAND – 77-1044c) 351878
Dawson, D.G.
Acoustic emission test on a 25 mm thick mild steel pressure vessel with inserted defects. 365764
Dawson, F.G.
Nuclear power. Development and management of a technology. 363424
Dawson, J.
A report on the Basque Superconducting Solenoid project. 360720
Dawson, J.M.
Alfven ion-cyclotron instability: Its physical mechanism and observation in computer simulation. 350955
CTR using the P-^{11}B reaction. (EPRI-ER – 536-SR) 371805
Four workshops in alternate concepts in controlled fusion. Part B. Extended summaries. (EPRI-ER – 429-SR(Pt.B)) 366520, 366521, 366522
Method and appratus for the separation of isotopes. 373917
Multipole fusion reactors using advanced fuels. (EPRI-ER – 536-SR) 371722
Multipoles as reactors. (EPRI-ER – 536-SR) 371804
Plasma simulation by means of a magnetostatic program. 364176
Some new ideas on wet wood burners. (EPRI-ER – 536-SR) 371806
Dawson, J.T.
Determination of nuclear heating thermocoupled fuel pins in AGR instrumented stringers. (CEGB-RD/B/N – 3988) 358248
Dawson, P.H.
The adsorption of CO on molybdenum studied by low energy SIMS and EID. 378608
A comparison of the adsorption of O_2 and CO on molybdenum using low-energy SIMS and EID. 369923
Performance of the quadrupole mass filter with separated RF and DC fringing fields. 363610
Dawson, P.R.
Comparative evaluations of the thermomechanical responses for three high level waste canister emplacement alternatives. (SAND – 77-0388) 380040
Dawson, S.
Atomic form factors and incoherent-scattering functions of Cs^+ and Au^+. (ANL – 76-88(Pt.1)) 361347
Day, D.
Interaction between methyl mercury and radiation effects on nervous systems. (PB – 265873) 352038
Dayal, B.
The Moessbauer effect on ^{119}Sn and ^{197}Au nuclei in gold, palladium and platinum matrices. 353424
Dayan, A.
Considerations of the third line of assurance: post-accident heat removal and core retention in containment. (CONF-761001 – P4) 362932
Dayashankar
Calculation of W for low energy electrons in tissue-equivalent gas. 365635
Daybelge, U.
Electrostatic potential in the divertor scrape-off layer. (INIS-mf – 3963) 371807
Kinetic theory of plasma in the limiter-scrape-off layer. 350823
Dayer, N.F.
B.N.L. work on cavitation in sodium. (IWGFR – 9) 349442
Daynes, R.A.
Modification of immunological potential by ultraviolet radiation. I. Immune status of short-term uv-irradiated mice. 357584, 357585
Dayon, M.I.
Arrangement for study of π^0-photoproduction on ^{4}He nuclei. 379852
Dayras, R.A.
Measurements of the fusion of $^{12}C + {}^{14}N$ and the liquid-drop limit for ^{26}Al. 356896
Dayton, B.
Atmospheric gamma ray angle and energy distributions from 2 to 25 MeV. 360208
Dayton, W.B.
Evidence that cosmic γ-ray bursts are galactic. 374985
Dazhaev, P.Sh.
Ordering in Se-Te solid alloys. 361454
De Angelis, R.
Characteristics of spontaneously generated RFP in Eta-Beta. (INIS-mf – 3963) 353532
De Beer, J.F.
Momenta of muons in extensive air showers. 366772
De Bievre, P.
Development and application of safeguards techniques in the nuclear fuel cycle of the European Community. 371290
de Boer, F.R.
Heat of formation of solid and liquid alloys of transition metals. 357307
De Boer, F.W.N.
An anomalous behaviour of the gamma band in ^{156}Dy. 364812
de Boer, J.
Evidence for negative deflection angles in $^{40}Ar + Ag$ deep-inelastic reactions from γ-ray circular polarization measurements. 367010
de Cuy, G.D.
Sodium fire studies in France safety tests and applications on an LMFBR. (CONF-761001 – P4) 362922
De Filippo, S.
Vaccum structure for unstable particles. 364489
De Fontaine, D.
Ternary phase diagram calculations. II. Examples of clustering and ordering systems. 357288
de Friz, A.
Tunnel thresold effects in the two-channel, problem with quasi-intersection. (INIS-mf – 3915) 348737
de Gaspar, D.
Public acceptance of nuclear power. Some ethical issues. 370520
De Geer, L.E.
Airborne short-lived radionuclides of unknown orgin in Sweden in 1976. 377599
De Gennaro, S.
Kondo effect from excited crystal-field levels in La/sub 1-x/Pr/sub x/Sn_3 compounds: Electrical resistivity. 359899
de Haan, P.H.
Energy distribution of a relativistic electron beam interacting with plasma. 366570
De Haas Van Dorsser, A.H.
SNR coolant system components. 379750
De Haas, M.P.
The study of primary and secondary charge carriers in nanosecond pulse irradiated liquid dielectrics using a resonant microwave cavity. 362288
The study of the transient conductivity of pulse irradiated dielectric liquids on a nanosecond timescale using microwaves. 365062
De Heer, F.J.
Total cross sections for electron scattering by He. 366330
VUV radiation, slow ions and electrons produced in collisions of multiply charged Ne ions with He and Ar. 361405
de Heesen, E.
Derivation of time dependent design-values for SNR 300 structural material. (IWGFR – 11) 354532

de Jagher, P.C.
Energy distribution of a relativistic electron beam interacting with plasma. 366570
De Jesus, A.S.M.
Applications of sealed radioisotopic sources. (INIS-mf – 4203) 376270
Energy-dispersive x-ray methods with radioisotopic source excitation. (INIS-mf – 4203) 376242
Review of nuclear techniques for process control in the gold and uranium mining industries. 365679
De Jong, A.F.M.
Chemical pretreatment and radial flow of ^{14}C in tree rings. 369576
de Jong, C.
Deposition of aerosols formed by HCDA due to decay heat transport in LMFBR inner containment atmospheres. (CONF-761001 – P4) 363033
De Jong, F.H.
Gonadotrophins, testosterone and spermatogenesis in neonatally irradiated male rates: evidence for a role of the Sertoli cell in follicle-stimulating hormone feedback. 367489
The onset and establishment of spermatogenesis in rats in relation to gonadotrophin and testosterone levels. 367692
De Laeter, J.R.
The isotopic and elemental abundance of ytterbium in meteorites and terrestrial samples. 359563
De Laquil, P. III
Conflict simulation for surface transport systems. (SAND – 77-8624) 361210
De Leo, R.
Fission isomers produced by fast neutrons on a ^{240}Pu target. 359472
De Ligny, C.L.
The influence of experimental conditions on the efficiency of labeling of bleomycin with ^{99}Tcsup(m), using Sn(II) as the reductant. 375623
De Logi, W.K.
Gravitational scattering of zero-rest-mass plane waves. 358654
De Loore, C.
Mass determination for the x-ray binary system Vela X-1 (= 3U 0900-40). (CONF-7510169 –) 364418
De Lorenzo, J.T.
Concepts of remote signal transmission for liquid-metal fast breeder reactors. (CONF-771109 – 52) 379751
De Lorenzo, R.A.
Successful implementation of a project plan to obtain an operating license. 358569
De Lucia, F.C.
Millimeterwave spectroscopy of active laser plasmas; the excited vibrational states of HCN. 366523
De Luisi, J.J.
Estimation of solar radiation absorption by volcanic stratospheric aerosols from Agung using surface-based observations. 351966
De Marco, A.
Cytological analysis of X-ray-induced aberrations in spermatocytes I and the somatic ganglia of male Drosophila melanogaster. 354730
de Marne, K.D.
Measured angular distributions of proton compton scattering at photon laboratory energies of 700, 750 and 800 MeV. (BONN-HE – 77-17) 364583
De Martinis, C.
Injection studies for the proposed superconducting cyclotron at the University of Milan. 363127
Magnetic field calculations for the proposed superconducting cyclotron at the University of Milan. 363125
Model magnet for the proposed superconducting cyclotron at the University of Milan. 363126
De Monasterio, F.M.
Responses of macaque ganglion cells to far violet lights. 373476
De Nes, M.
Regional myocardial perfusion in patients with atherosclerotic coronary artery disease, at rest and during angina pectoris induced by tachycardia. 360381
De Olivares, J.M.
Design of solenoid magnets using Legendre functions. (LBL – 6716) 367967
de Paz, J.F.
Investigation of sodium-bonded carbide fuel assembly design. 379781
de Planque, G.
Response of LiF thermoluminescence dosimeters to natural environmental radiation. (HASL – 313) 373464
De Poli, M.
g-factor of the 5/2 level at 40 keV in ^{45}Ti. 364751
de Raad, B.
External proton beam lines and the splitter systems of the CERN SPS. 363215
Extraction from the CERN SPS. 363148
De Raad, J.A.
Ultrasonic monitoring of sub-cladding cracks. 365771
De Rosa, M.
^{13}C-NMR assignments and biosynthetic data for the ether lipids of Calderiella. 363990
De Rosa, S.
^{13}C-NMR assignments and biosynthetic data for the ether lipids of Calderiella. 363990
De Rossi, S.
The catalytic activity of several tungsten oxides for the oxidation of propene. 351483
De Ruiter, H.
A search for radio emission from a sample of optically selected quasars. 366694
De Rujula, A.
Quark-tasting with neutrinos. 361785
De Sabbata, V.
Black holes and tachyons. 364305
Interaction of gravitational radiation with a uniformly magnetized sphere. 353067
de Saussure, G.
Measurement of the ^{238}U subthreshold fission cross section for incident neutron energies between 0.6 and 100 keV. 351343
Precise measurement and analysis of neutron transmission through ^{238}U. 356851
150-m measurement of 0.880- to 100.0-keV neutron transmissions through four samples of ^{238}U. (ORNL/TM – 5915) 369501
De Sterke, A.
Ultrasonic monitoring of sub-cladding cracks. 365771
De Toledo Piza, A.F.R.
Scattering by a schematic potential landscape. 359429
De Villiers, E.J.
Momenta of muons in extensive air showers. 366772
De Voe, R.
Measurement of the decay rate for the rare process K/sub L/^{0} → $\mu^+\mu^-$. 351231
De Volpi, A.
Fuel and cladding motion surveillance. (CONF-761001 – P2) 362897
de Vries, J.E.
Recent results of a local blockage experiment in a sodium cooled electrically heated bundle. (CONF-761001 – P4) 362898
De Waele, A.Th.A.M.
A ^3He circulating dilution refrigerator with more than one mixing chamber. 360612
De Wet, J.A.
On nuclear and atomic energy levels. (INIS-mf – 4148) 366257
De Wet, W.J.
Chemistry and nuclear technology. (INIS-mf – 4203) 375630
de Wit, B.
Corrections to the Goldberger-Treiman relation in a unified gauge-field model. 372390
On SO(8) extended supergravity. 366258
De Zotti, G.
Unborn clusters. 364294
De, A.K.
Fission products in glasses. Pt. 2. (HMI-B – 218) 367287
Fixation of fission products in glass ceramics. 358478
De, J.N.
The role of deformation and transfer in the analysis of strongly damped collisions. 377872
De, S.
Estimation of pre-meiotic DNA synthesis period in the dog spermatozoa. 357637
De, Sh.K.
Transverse shrinkage in electron beam welding. 349409
Deak, F.
The coherent Ksub(L)sup(OC) → Ksub(S)sup(OC) regeneration at high energies. (JINR-D – 1,2-9342) 356480
Deakyne, M.
Homestake long range neutrino detector program. (UPR – 0027-E) 377600
Deal, L.J.
Management and control of radioactive waste from uranium milling operations in the United States of America. 368358
Deamud, J.R.
Paints hardened by ionizing radiation. (German (F.R.) patent document 2431817/B/) 367890
Dean, A.J.
Low energy γ-ray observation of NGC4151. 359075
Dean, J.W.
Calculating the recovery time of a supercritical helium refrigerator after a thermal upset. 360613
Superconducting cable cooling system by helium gas and a mixture of gas and liquid helium. (US patent document 4,020,274/A/) 374006
Superconducting cable cooling system by helium gas at two pressures. (US patent document 4,020,275/A/) 374005
Dean, N.W.
Structure of the Pomeron. 372391
Deans, E.A.
Responses of a benthic marine invertebrate to γ-irradiated sediment. 365381
Dearnaley, G.
The effects of ion-implanted impurities on the anodic oxidation of titanium. 351017
The improvement of the surface wear characteristics of materials by ion implantation. (UK patent document 1490063/A/) 364028
Ion implantation for microelectronics. 368762
Deart, A.F.
Study of film data processing systems by means of a statistical simulation. (INIS-mf – 3909) 374521
Deaver, B.S. Jr.
Temperature dependence of microwave SQUID response. 374003
Deb, D.L.
Study of rooting pattern on wheat under different soil moisture regimes and nitrogen levels using ^{32}P injection technique. 352107
Deb, S.K.
Electron spin resonance of defects in single crystal and thin films of tungsten trioxide. 360011

Debast, K.
Structure elucidation of S-oxidized metabolites of 1-(4-isopropylthiophenyl)-2-N, octylaminopropanol (Suloctidil*) by means of deuterium labeling and mass spectrometry. 357651
Debe, M.K.
Further dynamical and experimental LEED results for a clean W[001]-(1 x 1) surface structure determination. 362393
Space-group determination of the low-temperature W]001] ($\sqrt{2}$ x $\sqrt{2}$) R45° surface structure by low-energy-electron diffraction. 365142
Debeauvais, M.
Alpha radioactivity of E>11 MeV in nature. 354167
Calibration of two plastic detectors and application on study of heavy cosmic rays. 368329
Debeer, M.
Total cross sections for charged-current neutrino and antineutrino interactions in BEBC in the energy range 20-200 GeV. 353945
Debeir, R.P.
Use of neutron radiography for quantitative measurements of sorbed hydrogen in getters and quality control of nuclear fuel pins. 376431
DeBellis, R.J.
Utility requirements for fusion power. (EPRI-ER – 452-SR) 348904, 350824
Deberth, C.
Applying gamma-ray spectrometry in quantitative analysis of radioisotope activities. 364877
Debertin, K.
Calibration of germanium spectrometers for gamma radiation. 358357
Debevec, P.T.
Two-photon decays of pionic carbon. 354252
Debnam, H.R.
A review of the design and manufacture of CANDU fuel. 360935
Debnath, R.K.
A simple mathematical formula to determine the tube shift of diagnostic X-ray machine used for the purpose of simulator. 349934
Debney, G.
Techniques of global analysis applied to gravitation theories: a cosmological black hole. (N – 77-22029) 366259
DeBoer, A.
Case of myocardial abscess evaluated by radionuclide techniques: case report. 373691
DeBoo, J.C.
Studies of doublet plasmas in Doublet IIA. 358942
Debosscher, A.F.
Exact statistical analysis of nonlinear dynamic nuclear-power reactor models by the Fokker – Planck method. I. Reactor with direct power feedback. 352437
Debowska, E.
Investigation of the electronic structure of yttrium hydrides by positron annihilation. 363917
Debowska, M.
The angular correlation of the two-photon positron annihilation quanta in silicon dioxide powders. 371582
Debras, G.
Light elements analysis and application to glass industry. 375248
DeBree, B.
Experience at Deer Island with electron disinfection of sludge at high flow rates. (INIS-mf – 4220) 379416
Debrie, G.
New MA 23 master-slave manipulators with servo control and force feedback. Their application in routine work and in scheduled and exceptional operations. 360706
DeBruler, M.
Argonne Code Center: compilation of program abstracts. (ANL – 7411(Suppl.11)) 374513
Debrun, J.L.
3.5 MeV triton activation for elements with Z<34. 356932
Debrus, J.
The (α,α'f) reaction on ^{232}Th. (INIS-mf – 4267) 378044
Investigation of Bremsstrahlung-induced reactions on nuclei of masses A = 27-238 in the range of the photon energies from 450 MeV to 2.2 GeV. 364759
DeBuchananne, G.D.
Goals and projects of U.S. Geological Survey for the study of solid low-level radioactive wastes. 380076
Decat, G.
The chromosomal radiosensitivity of lymphocytes from the chimpanzee (Pan troglodytes). 352039
The radiosensitivity of chromosomes of rabbit lymphocytes. 354743
Dech, V.N.
Experience in application of a probability model for interpreting the results of geological and well logging studies of fractured reservoirs. 365260
DeCicco, B.T.
Kinetics of excision repair synthesis induced by N-acetoxy-2-acetylaminofluorene and ultraviolet irradiation in human diploid fibroblasts. 357558
Deciu, N.
Temperature dependence of the distribution functions in liquid tin. 356000
Decker, C.
Radiation-induced oxidation of solid poly(ethylene oxide). I. Experimental results. 373041, 373042
Decker, G.
Enhancement of neutron yield from Focus devices. (INIS-mf – 3963) 371787
The plasma focus current in the compression phase. 366610
Decker, J.E
$^{239}PuO_2$ aerosol exposure of miniature swine. (BNWL – 2100(Pt.1)) 360322
Decker, J.F.
Status report on the current DMFE review of alternative magnetic confinement systems. 377385
Decker, K.
Interstitial irradiation of central nervous system tumors by radioactively labelled bismuth phosphate. 367693
Decker, M.
About the α-β phase transition of the solid nitrogen. 363991
Decker, R.
Experimental beta-decay energies of short-lived light fission products. 375207
Deckers, H.
Effects of fuel-sodium interaction in TOP tests with electrically heated fuel pins. (CONF-761001 – P4) 362871
Deckman, H.W.
Magnetic form factors of rare earth ions. 350598
Declais, Y.
Anti pp and pp forward elastic scattering between 4 and 10 GeV/c. 356513
Decomps, B.
Frequency stabilization of argon lasers at 582.49 THz using saturated absorption in $^{127}I_2$. 353210
Deconninck, G.
Elemental analysis of fertilizer by fast neutron activation. 375228
K-shell ionization of heavy atoms by 40 – 110-MeV α particles. 363879
Light elements analysis and application to glass industry. 375248
Decossas, J.L.
Contribution to the research on cellulose diacetate as a solid state track detector. 360072
Decoste, R.
Enhanced backscatter with a structured laser pulse. 359007, 361616
Experimental studies of the physics of laser fusion. 377542
Fast ions from laser plasmas: analytic solution and scaling laws. (NRL-MR – 3578) 371839
High energy ions from a Nd-laser produced plasma. (NRL-MR – 3549) 361522
Decroux, M.
Anisotropy of Hsub (c2) in the chevrel phases. 374692
Anisotropy of the critical field in Mo_6S_8. 377682
Superconducting $PbMo_6S_8$ filaments. 377681
Dedacek, K.
Application of nuclear geophysical methods in geologic practice. 349635
Deddens, J.C.
Increasing reliability and availability of B and W nuclear steam systems. 370911
Dedek, W.
Metabolism and excretion of ^{32}P-aminophon in lactating cattle. 373597
Deden, H.
Total cross sections for charged-current neutrino and antineutrino interactions in BEBC in the energy range 20-200 GeV. 353945
Dedenko, L.G.
Primary particle spectrum by data on extensive air showers in the energy range from 10^8 to 10^{10} GeV. 361686
Dederichs, B.
Radiation chemical addition of dimethylformamide to α-olefins. (BMFT-FB-K – 77-03) 365051
Radiation initiated telomerization of ethylene with formamide and dimethylformamide. 359774
Dedes, C.
Effective three-body interaction in ^{93}Tc, ^{93}Mo, and ^{94}Ru. 359422
Dedkov, Yu.M.
Investigation of interaction of zirconium and hafnium with o,o'-dihydroxyazo compounds. 359595
Dedkova, V.P.
On the nature of azo compounds, formated during synthesis of arsenazo 3. 375249
Dedov, A.G.
Isotopic exchange of some heterocyclic compounds with D_2O on metals of group 8. 369640
Dedukh, L.M.
Domain structure of an yttrium iron garnet single crystal. 368898
Dee, A.L.
Irradiation injury to the ureter and surgical tolerance. An experimental study. 360254
Dee, J.B.
Development of components for the gas-cooled fast breeder reactor programme. 379752
Dee, P.C.
Radioimmunoassay for proparathyroid hormone. 357640
Dee, R.H.
The thermoelectric power of type I superconductors in the intermediate state. 374693
Deen, J.R.
Alternative fuel cycle options: performance characteristics and impact on nuclear power growth potential. (ANL – 77-70) 379652
Deenen, J.
Parity dependence in heavy-ion scattering. 356566
Deerenberg, A.J.M.
Observation of galactic soft x-ray by LEINAX-3. 377615
Deese, D.A.
Political and legal implications of radioactive waste disposal at sea. 352872
Deev, L.I.
Changes in the potassium permeability of phospholipid membranes

upon radiation-induced peroxidation. 349697
On the role of linoleic acid hydroperoxides in the bone marrow lesion and death of irradiated mice. 370348
Radioprotective action of liposomes containing serotonin. 362661
Deev, N.A.
Fractographic studies of fatigue crack propagation in low-tempered steels. 351801
Deev, V.I.
Hydraulic resistance and heat transfer in systems for superconducting magnets cooling. (INIS-mf – 3954) 361523
Hydraulic resistences in helium forced two-phase flow in channels. 379427
Nucleate and film boiling heat transfer to saturated liquid helium. 349970
Deev, Yu.S.
Radiation copolymerization of resin FL-2. 351630
Deeva, L.P.
Magnesium alloys with dysprosium. 359978
DeFacio, B.
Uniqueness connection between charge conjugation and statistics. 368548
Defais, M.
Molecular mechanisms of induced mutagenesis. 378988
Defoix, C.
A thermodynamical analysis of the charged-pion momentum spectra from the annihilation proton-antiproton→ πsup(+-)Ksub(s)sup(deg)Xsup(+-) at low energy. 353755
DeForest, S.
Characteristics of magnetospheric particle injection deduced from event observed on August 18, 1974. 370306
DeFreece, D.A.
Major cost drivers for tokamak fusion power plants. 377386
DeFremont, R.
Comparative analysis of a hypothetical loss of flow accident in a LMFBR using different computer models for a common benchmark problem. 371051
DeGasperis, A.
Special solutions of coupled nonlinear evolution equations with bumps that behave as interacting particles. 355733
Degen, C.
PASCAL: a multidisciplinary data base. Its use in atomic and molecular physics and plasma and fluid physics. 358920
Degener, L.
Charge distributions of sulfur ions at energies between 70 and 140 MeV. 361391
Degenhard, H.
Technology transfer as task of the state and economy. 358541
Degenkolb, E.O.
Electron density, temperature, and local thermodynamic equilibrium in low-voltage low-current break arcs: Magnesium. 350825
Degens, E.T.
Uranium anomaly in Black Sea sediments. 351956
Uranium content and exploitability of Black Sea sediments. 370257
Degischer, H.P.
Model calculations for evaluation of bulk- and grain boundary diffusion coefficients. (SGAE – 2547) 373979
Degner, W.
Examinations on the specific effect of low doses of ionizing radiation on the seed of cultivated plants. 4. 373506
Degrange, B.
Measurement of the branching ratios of multi-pion final states in anti pp annihilation at 1.6 GeV/c. 366884
Search for strangeness changing neutral currents induced by neutrinos in GARGAMELLE. 361875
DeGrassie, J.S.
Wave-induced transport in the pure electron plasma. 366524
DeGregoria, A.J.
Linear radial and nonradial modes of oscillation of hot white dwarfs. 364306
DeGroot, J.S.
Measurements of finite-bandwidth effects on a parametric instability. 358983
Trapped particles and harmonic generation. (UCRL – 13727) 350868
Degteva, T.G.
Two-stage method for radiation vulcanization of moulded mechanical rubber articles using electron accelerator. (INIS-mf – 4194) 376291
Degtyannikov, Yu.F.
Organization and methods of control of primary circuit equipment integrity. 367989
Degtyarev, B.V.
Certain peculiarities of the carbon behaviour in preeutectic steel following electroslag remelting. 357318
Degtyarev, V.I.
Formation of secondary electrons from intruding electron beams and their radioactive emission in auroral ionosphere. (INIS-mf – 3915) 349674
Degtyareva, V.F.
Effect of a pulsed magnetic field on terbium high pressure phase. 370061
DeHaven, P.W.
Investigation of metal hydrides using multiple wavelength neutron powder diffraction and the crystal structure determinations of the 2,4-dinitrophenylhydrazone derivative of 5-bromomethylidenecyclononanone and the 1-hydroxy-6-acetoxy-10α-bromo-bicyclo[4.3.1]deca-3-ene. (IS-T – 748) 362173
DeHaven, R.N.
On the relationship between [^{3}H]choline uptake activation and [^{3}H]acetylcholine release. 367591
Dehesa, J.S.
Spreading width of the giant quadrupole resonance in light nuclei. (ZfK – 336) 366929
Dehli, M.
Cheap energy from where. Nuclear long-distance energy. Heating power plant with LWR reactors. Conventional heating power plant. 376783
Dehmel, G.
Change of some properties of junction field-effect transistors after ionising irradiation. 350386
Fast magnetic fluctuations in the solar wind: Helios 1. 359140
Dehmelt, H.G.
Proposed scheme to catch positrons in a Penning trap. 371159
Dehmer, J.L.
Fixed-molecule photoelectron angular distributions of CO for fixed source-detector orientation. (ANL – 76-88(Pt.1)) 361401
Molecular effects on inner-shell photoabsorption. K-shell spectrum of N_2. (ANL – 76-88(Pt.1)) 361349
Photoelectron angular distribution and branching ratios for atomic oxygen at 304 A. 350599
Photoelectron spectrum of the Xe_2 van der Waals molecule. 350600
Systematics of zero-energy phase shifts for atomic ions. (ANL – 76-88(Pt.1)) 361396
Total elastic electron scattering cross section for N_2 between 0 and 1000 eV. 363882
Wavelength dependence of the branching ratio for the 5p subshell of Xe. (ANL – 76-88(Pt.1)) 361348
Dehmer, P.M.
Mechanism for vibrational autoionization in H_2. (ANL – 76-88(Pt.1)) 361350
Photoelectron angular distribution and branching ratios for atomic oxygen at 304 A. 350599
Photoelectron spectrum of the Xe_2 van der Waals molecule. 350600
Dehne, D.
Evaluation of resistance and tolerance in wheat against Puccinia striiformis and in barley against Erysiphe graminis. 373746
Dehne, H.C.
Evidence for the tau → γrhoπ decay mode. 372500
Measurement of the branching ratios for the decays J/PSI (3.1) → fω and J/PSI (3.1) → Bπ. (DESY – 77/50) 364568
Measurement of the branching ratios for the decays J/psi(3.1) → fω and J/psi(3.1) → Bπ. 372506
Measurement of the J/psi radiative decay into f°(1270)γ. 377779
Dehnen, H.
On the origin of matter in the universe. Pt. 2. 374957
Dehnicke, K.
A new synthesis of ReO_3Cl. 375435
Dehnke, W.
Radiometric investigation of matter transition in electric low-voltage current contact switching operations. 349946
Deijman, P.
Heat transfer and friction on smooth and rough test rods. (ECN – 18) 363099
Deininger, H.K.
Problems in scintigraphic detection of traumatic bone lesions. (INIS-mf – 4010) 367694
Deis, D.W.
Cold-pressure-welded joints in large multifilamentary Nb – Ti superconductors. (UCRL – 79723) 368927
Development work on superconducting coils for a large mirror fusion test facility (MFTF). (UCRL – 78891) 358929, 377378
Evaluation of large, multifilament Nb_3Sn conductors with a new 12-Telsa tensile test apparatus. (UCRL – 79192) 357262
Evaluation of metal-foil strain gages for cryogenic application in magnetic fields. (UCRL – 79202) 350846
Mechanical strain of large, multifilament Nb_3Sn conductors for fusion magnets. (UCRL – 78890) 358934
Nickel – chromium strain gages for cryogenic stress analysis of superconducting structures in high magnetic fields. (UCRL – 79726) 371852
Strain-critical current data for large multifilament Nb_3Sn conductors. (UCRL – 79724) 368931
Deitchman, J.V.
Fire protection requirements of the insurance industry and their impact on nuclear power plant design and construction. 357755
Risk assessment and nuclear insurance: an overview. 376838
Deitrich, J.R.
Safeguarding the nuclear fuel cycle. 361157
Deitrich, L.W.
Role of fission product in whole core accidents: research in the USA. (LA-UR – 77-1908) 357787
Safety issues for advanced-fueled LMFBRs. (CONF-761001 – P3) 365597
Summary and evaluation of fuel dynamics transient-overpower experiments: status 1974. (ANL – 77-44) 379233
Deitz, R.
Preliminary results from sulfur hexafluoride and deuterated methane releases of December 10, 1975. (DP – 1455) 367429
Deitz, V.B.
Activation of water soluble amines by halogens for trapping methyl radioactive iodine from air streams. (US patent document 4,040,802/A/) 366075
Deitz, V.R.
Activation of water-soluble amines by halogenes for catching radioactive iodine out of air streams. (German (F.R.) patent document 2604109/A/) 354395
Salts of the iodine oxyacids in the impregnation of adsorbent charcoal for trapping radioactive methyliodide. (US patent document 4,016,242/A/) 374155

Dejchman, Eh.N.
Rubidium selenatoindiates. 351497
Dejgen, M.F.
Effect of external electric fields on Gd^{3+} EPR in $KTaO_3$. 374713
Dejneko, A.S.
Analysis of polarized-proton elastic scattering by ^{9}Be nuclei in the R-matrix theory frameworks. 362009
Multi-channel scattering chamber for polarization studies. 357922
Study on the polarization effects in proton elastic scattering on ^{7}Li, ^{9}Be, ^{11}B nuclei near the (pn) reaction threshold. 377916
Dejonghe, P.
An integrated system for the conditioning of radioactive solid wastes and liquid waste concentrates. 358506
Investigations into the possibility of final disposal of radioactive wastes in an underground clay formation. 358520
Management of radioactive waste in Belgium. (BNWL-tr - 264) 366068
Radioactive waste management in Belgium. 368367
Dekais, J.J.
Probabilistic safety evaluation of the gas-cooled breeder reactor. (CONF-761001 - P2) 362899
Dekanenko, V.M.
Isothermal quenching effect on kinetics of hydrogen degassing from the 40 KhN steel. 357269
Dekeersmaecker, R.
Experimental investigation of the cross structure of damage cascades by means of ion implantation at different energies. (INIS-mf - 3996) 364081
Dekhtyar, I.Ya.
Effect of laser irradiation of superconducting materials on the basis of niobium on the character of critical temperature change. 361759
Positron annihilation in boron nitride crystals. 371698
Positron annihilation in hydrides of transition metals. 371583
Positron annihilation in nickel powders. 374694
Study of cesium adsorption on molybdenum and tungsten. 350826
Study on the nature of magnetic transformation in FeRh alloys by positron annihilation technique. 363992
Dekker, B.G.
The influence of experimental conditions on the efficiency of labeling of bleomycin with ^{99}Tcsup(m), using Sn(II) as the reductant. 375623
Dekker, H.
New multidisciplinary separated-sector cyclotron facility. 363166
Dekker, J.W.M.
Adjusted capture cross sections of fission product nuclides from STEK reactivity worths and CFRMF activation data. (ECN - 28) 362051
Adjusted neutron spectra of STEK cores for reactivity calculations. (ECN - 35) 376407
Impact of integral measurements on the capture cross section evaluations of individual fission product isotopes. (ECN - 24) 352440
Integral determination of fission product neutron capture cross sections for application in fast reactors. (ECN - 27) 358035
Tables and figures of adjusted and unadjusted capture group cross sections based on the RCN-2 evaluation and integral measurements in STEK. (ECN - 30) 376406
Dekkers, D.
New limits for the exotic exchange reaction $\pi^{-}p \rightarrow K^{+}\Sigma^{-}$ at 5 and 8 GeV. 372515
Del Bene, J.V.
Containment Atmosphere Response (CAR) program interim summary report. (GA-A - 14262) 352691
Del Bianco, W.
The $^{11}B(\alpha,\gamma_0)^{15}N$ reaction in the giant dipole resonance region. 356738
Del Papa, C.
Production of charged hadrons in deeply inelastic muon - neutron scattering. 351217
Del Pizzo, V.
On the generation of high flux densities within absorbing plasmas due to self-focussing of a laser beam. 374817
Del Sole, R.
Theory of (e, 2e) reaction near solid surfaces: application to Si. 377179
Delafosse, J.
What is done in France with respect to the design, manufacture, management and development of nuclear fuel. 365880
Delage, A.
Relative differential cross sections of low energy electron excitation of krypton. 361921
Delagrange, H.
Energy dependence of fissionability for ^{239}Pu, ^{238}Pu, and ^{241}Am. 366930
Fission and neutron emission in the actinides at excitation energies of 10 - 35 MeV. 359482
Fission probability calculations for heavy-ion induced reactions. 359385
Delahaye, J.Y.
Non linear sounding of the ionospheric plasma. 373462
Delaire, J.
Primary trapping and solvated electron yields. 357157
Delalande, C.
Low temperature vibrational relaxation of sup(n)H_2 gas, liquid and solid. 353222
Delamoye, P.
Absorption and emission spectra of U^{4+} diluted in $ThBr_4$ single crystals. 351859
Delanaye, F.
Inelastic scattering of electrons by vibrational motion of molecules adsorbed at metal surfaces. 377000
Delaney, M.A.
AECL devises new nuclear welding system. 367210
Delannay, F.
Angular dependence of the scattered ion yields in $^{4}He^{+} \rightarrow Cu$ scattering spectrometry. 361423
Delano, B.J.
Operational flexibility of B and W PWR control systems for load follow. 358093
Delapalme, A.
Polarized neutron study of the spontaneous magnetization of cubanite. 371584
DeLapparent, D.
Comparative analysis of a hypothetical loss of flow accident in a LMFBR using different computer models for a common benchmark problem. 371051
DeLaquil, P. III
Reliability evaluations of GCFR residual heat removal systems. (CONF-761001 - P2) 362959
Delarminat, E.
Nuclear energy and public opinion: arousal of a myth. 355675
Delaunay, B.
Contribution to the research on cellulose diacetate as a solid state track detector. 360072
Heavy-ion stripping. 357951
Recent studies of high-spin states in the fp-shell nuclei. 356693
Delaunay, J.
Gamma spectroscopy in heavy ion physics. 354175
High spin levels in ^{58}Fe: ground-state and quasi-γ bands. 372723
Recent studies of high-spin states in the fp-shell nuclei. 356693
Unusually strong difference in the side-feeding to the 6^{+} doublets of ^{56}Fe populated in heavy-ion compound reactions. 356848
Yrast band of ^{56}Fe: coexistence of prolate and oblate shapes. 356705
Delayen, J.R.
Microprocessor-based feedback system for phase and amplitude stabilization of superconducting resonators. 363201
Polishing procedure for high surface electric fields in superconducting lead resonators. 363204
Delayre, R.
Inception of the light-water reactor system in France and its fuel cycle. 366226
Utilization of plutonium. 368415
Delbourgo, R.
A dimensional derivation of the gravitational PCAC correction. 363767
Infrared behaviour of a gauge covariant approximation. 371363
Minimal uncertainty states for the rotation and allied groups. 355750
Delcea, B.L.
The role of ions and neutrals in ion plating. 377297
Delcourt, A.
Correlation between scintigraphy, echography and computed tomography in the diagnosis of pancreatic diseases. (INIS-mf - 4010) 357686
Delcourt, M.O.
Primary trapping and solvated electron yields. 357157
Delcroix, J.L.
'GAPHYOR': A computerized retrieval system for the properties of atoms, molecules, gases and plasmas. 358935
Deleeuw, J.H.
Canadian gas target neutron generator research. 355180
Delene, J.G.
ORTAP: a nuclear steam supply system simulation for the dynamic analysis of high temperature gas cooled reactor transients. (ORNL/NUREG/TM - 78) 365911
ORTAP: a simulator of high temperature gas-cooled reactor nuclear steam supply system dynamics. (CONF-770728 - 1) 352676
Simulation of the response of the Fort St. Vrain high temperature gas cooled reactor system to a postulated rod withdrawal accident. (CONF-770708 - 1) 373798
deLeon, P.
Cross-national comparison of nuclear reactor development strategies. (P - 5739) 352528
Delesclefs, R.
Anisotropy of Hsub (c2) in the chevrel phases. 374692
Preparation and properties of thin films of $PbMo_6S_8$. 377683
Delfino, J.J.
Effects of river discharge and suspended sediment on water quality in the Mississippi River. 365538
Delfino, S.
Binary alloys of rare earths: phase equilibria of cerium - indium and neodymium - indium. 362394
Heats of formation of dysprosium-bismuth alloys. 354499
Heats of formation of neodymium-antimony alloys. 354498
Delgado Martinez, L.
Differential calorimeter and temperature controller for stored energy measurements in irradiated alkalihalides. (JEN - 387) 366402
Delhalle, J.
Quantum theory of polymers. 374790
Delhaye, J.
Contribution to the improvement of the sodium chloride air filter test method. 360494
Delic, G.
Polarizability of nuclear wave functions in heavy ion reactions. (LBL - 6592) 366927

Polarization of the nuclear wave functions in $^{40}Ca(^{16}O, ^{15}N)^{41}Sc$ and $^{208}Pb(^{12}C, ^{11}B)^{209}Bi$. (IKDA – 77/16) 364672
Polarization of the nuclear wave functions in $^{40}Ca(^{16}O,^{15}N)^{41}Sc$ and $^{208}Pb(^{12}C,^{11}B)^{209}Bi$. 375165
Delides, C.G.
Dose effects in the crosslinking of irradiated polysiloxane. 365052
Effects of γ-irradiation on chemically crosslinked poly(dimethyl siloxane). 354417
Delimarskij, Yu.K.
Electrode processes during beryllium separation from molten chlorides. (INIS-mf – 4189) 375436
Investigation of the effect of surfactants on electrode processes in molten salts. (INIS-mf – 4189) 375437
Delincee, H.
The effect of carbohydrates and lipids on the radiation-induced aggregation of proteins. 375679
Delion, D.S.
The non-linear Schroedinger equation and anomalous backward scattering. 369418
Delionback, L.M.
A status of progress for the laser isotope separation (lis) process. (N – 76-33496) 365649
Dell, G.F.
J/psi production and high-mass electron-pair limit in pp collisions at square-roots = 52 GeV. 364461
Della Gatta, G.
Calorimetric study at different temperatures of iodine adsorption from organic solutions on outgassed 'eta' alumina and bayerite. 375438
Della Negra, M.
Observation of jet structure in high psub(T) events at the ISR and the importance of parton transverse momentum. 353956
Della Negra, S.
New osmium and iridium isotopes produced through ^{63}Cu induced reactions. 364754
Della Selva, A.
A critical pomeron's view of the total and triple-Regge inclusive cross sections. 353787
Dellafiore, A.
Quasielastic electron scattering from nuclei. 369408
Delle, W.
Fast neutron flux variations influencing the behaviour of graphitic materials and pyrolytic carbon on irradiation. 370213
Quality control techniques for procarbon. 365192
Delle, W.W.
Quality control procedures for HTGR fuel element components. 376538
Dellinger, B.
High-resolution optical spectroscopy and laser isotope enrichment of matrix-isolated s-tetrazine in argon. 378243
Delmas, J.
The agricultural use of heat discharge by nuclear power plants. 354991
Evaluation of the dose to man in relation to the behavior of tritium from irrigation water in agricultural crops. 370423
Experimental study of the consequences of accidental sodium release in the form of peroxide aerosols on the tomato and the lettuce. 354976
Transfer of radionuclides from the environment to crops and agricultural products. 354881
DelMedico, A.P.
Scanning system for a gamma camera. (German (F.R.) patent document 2620845/A/) 355591
Delmore, J.E.
Fast reactor fission yields for ^{237}Np. (ICP – 1050-3) 374256
Delmotte, J.C.
Impulse response of curved microchannel plate photomultipliers. (CRN-CNPA – 77-11) 355507
Delobeau, F.
Inertial confinement in fusion. Present technical state and prospects. 364186
Deloche, R.
Destruction rates of metastable helium atoms and molecules in collisions with argon atoms. 358807
Delone, N.B.
Three-photon ionization of helium metastable atoms. 348641
Delori, P.
A sensitive radioimmunoassay of scorpion neurotoxin. 370508
Delorme, J.
Pionic field and coupling constants in nuclei. (LYCEN – 7702(pt.1)) 359386
DeLozier, R.C.
SCOPE: synergistic computer optimization of planning for enrichment status report. (K/CSD/TM – 17) 373904
Delpech, J.
Electronic and rotational energy relaxation in molecular helium: Observation of reactive collisions by isotope-selective laser excitation. 368622
Delpeyroux, P.
Advanced mixed oxide fuel element for fast reactors. 379753
Characteristics and behaviour of the fuel in the Phenix reactor. 368201
Delphin, W.H.
Radiochemical separations by liquid – liquid chromatography using PSM support. 378119
Delpoux, M.
Genetic effects of low and very low chronic doses of gamma-irradiation on the a_1^+/a_1 a_2^+/a_2 system of tobacco. 378995
Delrieu, J.M.
Four spin exchange in solid bcc ^3He can explain the behaviour of the susceptibility below 10 mK. 356370
Nuclear spin magnetic ordering with four spin exchange in solid bcc ^3He. 353743
Delrue, J.P.
Catalytic activity of sputtered platinum oxide films. 368763
Deltour, R.
Normal-metal – insulator – superconductor tunnel-junction study of the magnetic field dependence of superconducting thin films. 365194
Deluca, P.M.
A tritium gas target as an intense source of 14 MeV neutrons. 355176
Delvaille, J.P.
Detection of X-ray emission from 3C 120. 351079
Discovery of an X-ray QSO. 366741
X-ray spectroscopy with the ANS satellite. (CONF-7510169 –) 364401
Delves, P.H.
Development tests in sodium on two types of gripper drive. (TRG-Report – 2948(R)) 350252, 352740
Delvetian, J.H.
Weldability of high-toughness iron – 12 percent-nickel alloys with reactive metal additions of titanium, aluminum, or niobium. (N – 77 – 18249) 351702
Delvin, S.A.
Boiling Water Reactor feedwater nozzle/sparger interim program report. Supplement No. 2: fracture mechanic analysis of JAERI model pressure vessel test. (NEDO – 21480-02) 379291
Delvin, W.L.
Laboratory quality assurance and its role in nuclear fuel reprocessing and refabrication. (HEDL-SA – 1258) 378101
Quality assurance programme for surveillance of fast reactor mixed oxide fuel analytical chemistry. 376594
Delwiche, J.P.
An automatic liquid nitrogen level controller and transfer system. 360604
Delyagej, V.V.
Study of processes of thermal decomposition of rare earth concentrates with increased content of siderite in the presence of soda. (INIS-mf – 4187) 375439
Delyagejd, V.V.
Thermogravimetric study of rare earth concentrates. 359596
Delyagin, N.N.
Effect of pressure on the effective magnetic fields at nuclei of impurity tin atoms in nickel and iron. 368858
Dem'yanov, A.I.
Composition and properties of cosmic radiation on mountain altitudes. 361668
Energy spectra of leading particles in hadron-nucleus interactions. 361664
Dem'yanov, A.V.
Designed pion beam channels in a phasotron with the magnetic field variation. (JINR – 9-8782) 357952
Ion source with surface ionization for a mass separator on a heavy ion beam. 371155
Dem'yanov, V.V.
Radiation-induced phase transformation in ferromagnetic perovskite. 365243
Dem'yanovich, M.A.
Basic problems of fast-reactor fuel recovery. 367193
Experimental reprocessing of irradiated uranium fuel from BOR-60 reactor by fluoride volatility method. (NIIAR-P – 18(284)) 373122
Pilot plant reprocessing of the BOR-60 spent uranium fuel by using fluoride volutility method. (IAEA-AG – 63-21) 362336
Study of the behaviour of high-active wastes from reprocessing of fast reactor fuel elements by the fluoride volatility method. (IAEA-AG – 63-23) 363646
Demanins, F.
Automatical analysis of gamma-ray and charged-particle complex spectra from solid state detectors. 380146
Demaret, J.
Possible dynamical stabilization of relativistic supermassive stars by a shadow gravitational potential. 361687
Vibrational stabilty of stars in thermal imbalance. IV. 372143
Demarque, P.
Comparison of observations with main-sequence evolutionary models. 372236
Effects of CNO abundances on the Balmer jump of late-B horizontal-branch stars. 359044
Sensitivity of internal structure to the surface boundary condition. 369053
Demas, N.G.
Augmented startup and cycle 1 physics program supplement 2. (WCAP – 8576(Suppl.2)) 363464
Demazeau, G.
Relationship between structure and some physical properties of a new high-pressure series of perovskite-like oxides. 375925
Dembczynski, J.
Hyperfine structure in intermediate coupling of the first excited electron configuration $6p^27s$ of $_{83}{}^{209}Bi$ (I = 9/2). 363993
Dembrovskij, M.A.
On the use of Ge(Li)-spectrometers in corrosion-electrochemical research. 362313
Demchenko, A.D.
Arc welding of vanadium alloys in helium with oxygen additions. 375780
Demchenko, N.N.
Absorption and reflection of laser radiation by a spreading high-temperature plasma. 358909
Calculation of the symmetry of spherical target irradiation in

multichannel laser systems. 374816
Demchenko, S.S.
Influence of heat and radiation ageing and light ageing on the properties of polysulphone. 357158
Demchenko, V.G.
Quenching of noise photooscillations and photoconductivity of CdS. 374695
Demchenko, V.V.
Absolute parametric instability of potential oscillations in an anisotropic plasma with a two-dimensional inhomogeneity. 368933
On transformation of an electromagnetic wave into nonlinear plasma waves in the range of a hybrid resonance. 368932
Demchuk, I.S.
Microkinetics of N24M5 steel martensite transformation. 369924
Demchuk, M.I.
System for acquisition of data from a multi-channel stroboscopic analyzer of signal shape. 376690
DeMeester, G.
Tomographic scintigraphy of regional myocardial perfusion. 357641
DeMeester, T.R.
The value of "high-count" ^{67}Ga-citrate scans in the staging of lung carcinoma. 354917
Demekhina, N.A.
Photonuclear reactions in medium weight nuclei ^{51}V, ^{55}Mn and Cu. 354173
Demel, O.
Carbon diffusion in austenitic iron-chromium-nickel alloys. 373177
Comparative carbide etching on different carbon diffusion samples. (SGAE – 2654) 373178
Corrosion behaviour of austenitic Fe-Cr-Ni alloys in HTR helium. 369815
Model calculations for evaluation of bulk- and grain boundary diffusion coefficients. (SGAE – 2547) 373979
Demenkov, V.G.
Fast coincidence circuit. 358416
Demenskij, G.K.
Heat capacity of lanthanum chromite at 80-300 K. 369616
Dement'ev, L.N.
Basic regularities in the high-temperature creep of zirconium and niobium carbides. 349574
Dement'ev, M.I.
Extraction-photometric determination of thallium with some organic reagents. (INIS-mf – 4192) 375250
Dement'ev, V.K.
The application of TEhN-30 electrocharged pumps in vacuum system of linear electron accelerator. (KFTI – 75-10) 355188
Dement'eva, M.I.
Formazanes as analytical reagents. 378150
Dementev, R.K.
Charge asymmetry at large psub(T) in inelastic anti pp reactions at 22.4 GeV/c. 353943
Dementiev, R.K.
Multiplicities and forward-backward correlations in anti pp interactions at 22.4 GeV/c. 366882
DeMerschman, A.W.
Advanced accounting techniques in automated fuel fabrication facilities. (HEDL-SA – 1232) 363723
Demeyer, D.I.
Determination of rumen microbial growth in vitro form ^{32}P-labelled phosphate incorporation. 352152
Demichelis, F.
Transmission solar focusing collector. 365321
Demidenko, M.V.
Copper solubility in Cd-doped CdS crystals. 358867
Demidenko, V.S.
Interatomic interaction and phase stability in alloys of the first transitional series elements. 373249
Demidov, A.M.
Angular distributions of γ-rays emitted in inelastic scattering of fast reactor neutrons on sup(114,116)Cd. 359473
De-excitation of ^{133}Cs levels excited in the (n, n'γ) reaction. 375154
Level population of ^{92}Mo in inelastic scattering of fast reactor neutrons. (INIS-mf – 3896) 356740
Level scheme of sup(105)Pd. 359375
Study on gamma radiation from inelastic scattering of reactor fast neutrons. (INIS-mf – 3896) 356739
Demidov, B.A.
New high-current relativistic electron beam accelerators at the I.V. Kurchatov Institute of Atomic Energy. (IAEA – 200) 364164
Demidov, F.P.
Pulsed plasma electron source. 376359
Demidov, V.G.
Magnetization anomalies in yttrium-erbium and yttrium-holmium ferrite garnets in strong fields at low temperatures. 377180
Nature of the magnetic susceptibility of dysprosium. Paramagnetic susceptibility of dysprosium – yttrium alloys. 368764
Demidov, V.S.
Experimental limittion on probability of the Ksub(L)→eta(480)+γ decay. (ITEF – 3) 353765
Demidova, V.V.
Behaviour of corrosion products of reactor materials. 375393, 375725, 375726, 375727
Demidovich, N.N.
Release of volatile fission products from atomic power stations and fuel reprocessing facilities to the atmosphere and the outlook for their recovery. 367194
Demikhovskij, V.Ya.
Nonlinear damping of helicons in metals. 356070
Demin, E.A.
Alloying effect on subcooled austenite transformation in low-alloy steel of 14G2S type. 359933
Demin, V.F.
Hyperradial functions in the two-, three- and four-body problems. (IAE – 2462) 348625
Demin, V.I.
Radioprotective action of pantothenic acid (vitamin B_3). 354789
Demina, M.A.
Sm_3S_4 specific heat anomaly. 356066
Demina, M.M.
Method for separation of iodine from natural water. (Soviet patent document 339130/A/) 375478
Demircan, O.
Fourier analysis of the light curves of eclipsing variables. XIII. 372144
Demirchyan, R.A.
Investigation of inclusive proton photoproduction by bremsstrahlung gamma quanta with maximum energy 2.0-4.5 GeV. 369458
Demirkhanov, R.A.
Design of the R-03 experimental thermonuclear facility with plasma active control by means of feedbacks and HF fields. (INIS-mf – 3954) 364187
Dynamical feedback control of the current plasma column position and stability in toroidal systems. (INIS-mf – 3963) 371810
Dynamical stabilization of MHD current instabilities in a toroidal system with resonant excitation of helical HF waves in a plasma. (INIS-mf – 3963) 371809
Mass measurement of Zn, Ga, Ge, As, Se stable isotopes. 374607
Mass-spectrographic method for molecule, atom and ion energy measurements in elementar interactions. (SFTI – 1) 358417
Plasma heating in the process of parametric turbulence near the lower hybrid frequency. (SFTI – 5) 350827
The wave excitation in a plasma at a helical resonance HF heating. (INIS-mf – 3963) 371808
Demler, A. Jr.
The galaxy content of clusters. 369054
Demmler, K.
Research and development in the field of radiation curable coating systems. (BMFT-FB-K – 77-02) 354418
Demoen, B.
Completely positive maps on the CCR-algebra. 371364
DeMore, L.A.
Plant control system design for the Clinch River Breeder Reactor Plant. (CONF-770939 – 2) 368052
Dempster, G.
Frequency of hepatitis B surface antibody (anti-HBs) in various Canadian populations as measured by modified solid-phase radioimmunoassay. 360391
Demski, A.
Heater rods for simulation of fuel pins in liquid-metal-boiling experiments. Pt. 2. (KFK – 2474) 370707
Demutskij, V.P.
Modification of the Lawson criterion for the cyclotron heating of plasma. 364188
Stationary nonlinear plasma oscillations with account for particle capture. 348870
Demyanov, A.V.
Delayed particle emission in the β^+ decay of ^{116}Cs and ^{118}Cs. 362040
Demyantsevich, V.P.
Paste for high temperature metallization of sapphire. 349382
den Boggende, A.J.F.
Measurements of A0620-00 with ANS. (CONF-7510169 –) 364290
Observations of Cygnus X-3 by ANS. (CONF-7510169 –) 364289
DeNardo, G.L.
Evaluation of myocardial uptake of /sup 99m/Tc pyrophosphate in clinical exercise-induced ventricular ischemia. 360368
Present and future applications of iodine-123. 354835
Scintigraphy of the biliary system using ^{99}Tcsup(m)-pyridoxylideneglutamate (PG). 354961
DeNardo, S.J.
Present and future applications of iodine-123. 354835
Denavit, J.
Numerical simulations of plasmas with smoothing in phase space and filtering in time. Progress report, October 1, 1976 – September 30, 1977. (COO – 2200-9) 368934
Dendy, P.P.
Clinical evaluation of radioisotope axial tomography of the brain. (INIS-mf – 4010) 357678
DeNeef, P.
Electron acceleration during resonant absorption. 366525
Deneke, K.
Method to separate radioactive impurities from baddeleyite. (German (F.R.) patent document 2554651/A/) 375631
Denenstein, A.
Anisotropic Meissner effect in the linear-chain mercury compound Hg/sub 2.86/AsF_6. 360052
Denesz, J.
Automatic sample changing device type NZ-310. (INIS-mf – 4017) 374371
Deneuville, A.
Color in "tungsten trioxide" thin films. 360013
Denffer, H. von
Pharmacokinetics of ^{14}C-labeled eye drops. (INIS-mf – 4010) 370436
Denham, C.R.
Paleomagnetism and radiochemical age estimates for Late Brunhes polarity episodes. 357455

Denham, D.H.
Environmental radiological surveillance in perspective: the relative importance of environmental media as a function of effluent pathway and radionuclides. (UCRL – 80279) 373435
Denhoy, B.S.
Degassing a large LHe cryopump. (UCRL – 79674) 371811
Mechanical design for TMX injector system. (UCRL – 79753) 374810
Denis, J.
An asymptotic representation of unstable gravity modes in stars. 372145
Denis, J.P.
Energy transfer between Ce^{3+} and Tb^{3+} in rare earth pentaphosphates. 355858
Denis, L.H.D.
Procedure and facilities for the seasonal storage and utilization of hot waters particularly from thermal and nuclear plants generating electricity. 355269
Denise, R.P.
Licensing decisions and safety research related to LMFBR accidents. 370541
LMFBR accident energetics and their role in licensing. (CONF-761001 – P2) 365609
Denisenko, A.A.
J/psi particle production in π^--N interactions at 27 and 40 GeV/c. 369364
J/psi production off Be, Cu and W by 43 GeV/c negative pions. 369344
Denisenko, V.P.
Investigation of reactions of rare earths with boropyrocatechol violet complex in some surfactants presence. (INIS-mf – 4192) 375353
Denisov, A.E.
Scattering of α particles with the energy of 24 MeV on ^{10}B and ^{11}B nuclei. 349133
Scattering of 23,7 MeV alpha particles on sup(14)N and sup(16)O nuclei. 377992
Study on angular distribution of decay products of ^{8}Be ground state. 349141
Denisov, Eh.I.
Shower spectrometer with a combined radiator. 361015
Denisov, F.P.
Algorithm for determining optimal parameters of detector systems for detecting multicharged particles. 361028
Denisov, L.K.
Mechanism of isomerization of hexene-1 on transition metal hydrides. 369665
Denisov, N.T.
On conductivity mechanism of nitrogen-fixing titanium-molybdenum hydroxide system. 378244
Reduction of N_2 on $Ti(OH)_3$-Mo(3)-sodium amalgam system. 359667
Denisov, S.P.
J/psi production off Be, Cu and W by 43 GeV/c negative pions. 369344
Denisov, V.G.
Measuring set up for study of crystalline materials by means of low-energy proton beams. 379982
Denisov, V.P.
Problems of WWER reactor safety. 370939
Denisov, Yu.N.
Current reversing in the correction coils of the U-120M isochronous cyclotron. (JINR – 13-9624) 350060
Denisova, A.T.
Effect of evaporation and condensation conditions on growth of epitaxial films of cadmium selenide. 351491
Denisova, B.B.
Investigation of the transient operation of an experimental plant with the N_2O_4 coolant and with a flash heater. 355275
Denisova, E.A.
State of haemodynamics, as determined by radiocardiography in persons working in contact with ionizing radiation sources. 354758
Denisova, L.A.
Silicon doped with zirconium. 362476
Denisova, N.D.
Study of thermal stability of hafnium tetraiodide. (INIS-mf – 4187) 375440
Denisova, V.G.
Groups of gamma quanta with the energy from 30 to 500 TeV ("Pamir" experiment). 364309
Preliminary results on gamma quanta and hadron families with ultrahigh energies (Σ Esub(γ) > 500 TeV). 361673
Denisova, V.O.
Energy spectra of gamma quanta on altitudes of 4370 and 4880 ("Pamir" experiment). 361690
Denisova, Z.L.
Study of emission recombination near the absorption edge in CdS:In, Cd and CdS:Cd films. 365009
Denisovich, L.I.
Electrochemistry of π-complexes and organometallic compound of transition elements. 367078
Denisyuk, Eh.K.
18 new objects with broad emission line from the 8. and 9. lists of the Markarian galaxies. 369055
Denk, W.
Measurement of the Coulomb capture ratio of muons in twenty oxides of medium and heavy elements. 362050
Denker, B.I.
Effect of ionizing radiation on crystals of LaF_3 type. 354604
Study of the effect of anomalously weak quenching of Nd^{3+} ion luminescence in Lasub(1-x) Ndsub(x) P_5O_{14} crystals. 374600
X-ray luminescence of TR^{3+} in ZrO_2 – Y_2O_3 crystals. 365231
Denkher, B.I.
Radiationless losses from sup(4)Fsub(3/2) metastable state of Nd^{3+} in lanthanum pentaphosphate crystals. (INIS-mf – 3955) 362166
Denn, F.M.
Implications of outer-zone radiations on operations in the geostationary region utilizing the ae4 environmental model. (N – 77-23045) 367543
Denner, H.-D.
A ^{3}He cryostat with an automatically refilled condensation stage for long term operation. 360614
Denning, R.S.
Comparison of advanced reactor potentials. 379699
Dennis, B.R.
The high energy x-ray spectrum of the Crab Nebula observed from OSO 8. (N – 77 – 18987) 351000
The high-energy celestial X-ray instrument on board OSO-8. 374307
OSO-8 observations of Cygnus XR-1. 369062
Study of the cosmic sources of hard x-rays. (CONF-7510169 –) 364307
Dennis, G.C.
Coupled neutron kinetics thermal hydraulic model for the GETR core using the RELAP-4 computer program. (NEDO – 12627) 362877
Dennis, J.A.
Where should a film badge be worn. 360495
Dennis, P.P.
The competition of radioactive RNA sequences from RNA-DNA hybrids by competitor DNA sequences. 365487
Transcription patterns of adjacent segments on the chromosome of Escherichia coli containing genes coding for four 50S ribosomal proteins and the β and β subunits of RNA polymerase. 365486
Dennis, P.W.
Spontaneous symmetry breakdown in a SL(2n,C) x SL(2,C) invariant gravitational model. 372392
Dennison, B.
On the infrared polarization of the Orion Nebula. (N – 77-14963) 361688
Denskat, K.U.
Multispacecraft observations of microscale fluctuations in the solar wind. 350997
Denson, J.
Modification of amino acid residues in DNA-photolyase: evidence for the reaction of diketene with S-S bonds. 357556
Dent, W.A.
Radio and x-ray variability of the nucleus of Centaurus A (NGC 5128). (N – 77-26060) 369025
Denus, S.
Plasma-focus dynamics investigations by means of multiframe interferometry and shadowgraphy. (INIS-mf – 3963) 371812
Denys, A.
Effect of ionizing radiation on some properties of rabbit polymorphonuclear granulocytes. 373550
Deo, B.B.
Muon-neutrino electron scattering in the theory of pure leptonic weak interaction with induced shadow states. 359237
Renormalization possibility of four-fermion interaction. 366260
Deo, J.V.
Tritium persistence pattern in some terrestrial plants-field investigations. (INIS-mf – 4140) 373627
Deodhar, G.B.
New L emission lines of samarium. 371527
Deonigi, D.E.
Evaluations of fusion-fission (hybrid) concepts: market penetration analysis for fusion-fission hybrids. Part A. (EPRI-ER – 469(Pt.A)) 358938
Deparade, W.
The pressure dependence of the spark constant. 377424
Depisch, F.
The BETHY code for the heat-up phase of fuel rods during LOCA. 370542
Depommier, P.
New limit on the decay $\mu^+ \rightarrow e^+\gamma$. 372516
DePoorter, G.L.
The effect of IR laser radiation on the $UO_2(NO_3)_2$-tributyl phosphate-nitric acid solvent extraction system. 359597
DePorter, E.L.
Determination of optimal composition of nondeliverable fabrication plant fuel material. 353004
DePristo, A.E.
Quantum number and energy scaling of rotationally inelastic scattering cross sections. 353223
Deprun, C.
New osmium and iridium isotopes produced through ^{63}Cu induced reactions. 364754
Deptula, A.
Studies on ammonium polyuranates obtained from UF_6. 373118
DePuy, C.H.
Hydrogen-deuterium exchange reactions of carbanions with D_2O in the gas phase. 378410
Der Manuel, G.
Design and fabrication considerations for CRBRP ex-vessel storage tank (EVST). 352741
Der Nigohossian, G.
A liquid helium saver. 360600
Der Velde Van, M.
Remark on off-shell effects in πD cross-sections at intermediate

energies. 354176
The single-scattering contribution to πD elastic scattering at low and intermediate energies. 362052
Derado, I.
Charged particle multiplicity distributions in pp collisions at ISR energies. 356525
Observation of charged particle corrections between the forward and backward hemispheres in pp collisions at ISR energies. 377831
Observation of charged particle correlations between the forward and backward hemispheres in pp collisions at ISR energies. 375072
Deramaix, P.
Performance and reliability of light-water reactor fuel. 365996
Derbenev, Y.S.
Radiative polarization: obtaining, control, using. 374058
Derbenev, Ya.S.
Method of absolute calibration of beam energy and storage rings. Mass measurement of a PHI meson. (JINR-D – 1,2-9342) 357947
Derbenwick, G.F.
Radiation-hardened CMOS integrated circuits. (SAND – 77-0701(Vol.3)(No.1)) 363629
Radiation-hardening of MOS structures. (SAND – 77-0870C) 374387
Derbyshev, A.S.
Increasing of steel-12Kh18N10T resistance to corrosion cracking in chloride solutions by oxidation. 351660
Derdouri, M.
Room-temperature electron irradiation of n-type InP. 370180
Dere, K.P.
Multiple loop activations and continuous energy release in the solar flare of June 15, 1973. 372300
Structure and dynamics of a solar flare: X-ray and XUV observations. 369056
Deregusov, E.V.
Measurements in interplanetary space and in the Martian upper atmosphere with a hydrogen absorption-cell spectrophotometer for Lα-radiation on-board Mars 4 – 7 spaceprobes. 374293
Dereguzov, E.V.
Equipment for measuring X-ray emission of extraterrestrial sources. 374294
Dereli, T.
Fermionic Goldstone-Higgs effect in (2+1)-dimensional supergravity. 374554
Deremer, R.K.
Containment Atmosphere Response (CAR) program interim summary report. (GA-A – 14262) 352691
Primary coolant system response to an HTGR core heatup. (GA-A – 14277) 367748
Derendyaev, Yu.S.
Solution of analysis and synthesis problems for the electromagnetic system of an electron-beam source of multicharged ions. (JINR – 11-9525) 350061
Derenzo, S.E.
Design and construction of the Donner 280-crystal positron ring for dynamic transverse section emission imaging. (LBL – 5679) 373651
Dereviankin, G.E.
100-mA negative hydrogen-ion source for accelerators. 363205
Derevshchikov, A.A.
Elastic π^+p, K^+p and pp scattering in the Coulomb-nuclear interference region at the momenta of 42.5 and 52.2 GeV/c. 375062
Elastic scattering of π^--mesons and protons by nuclei in the difraction cone region within 30-50 GeV/c momenta range. 375152
Derevshchikov, P.A.
Device for feeding reference light signals to scintillation detector blocks to stabilize the amplification circuit of a two-channel spectrometer. (Soviet patent document 431478/A/) 376630
Derevyanko, A.S.
Interaction between liquid magnesium and yttrium fluoride dissolved in melt of sodium and calcium chlorides. (INIS-mf – 4187) 375413
Derevyanko, E.O.
Checking the mechanism of extraction of trivalent f-elements by alkyl amine chlorides with the use of computer calculation of activities of water in ternary water-salt. (IAE – 2611) 349209
Derevyanko, E.P.
On the effect of tertiary amines hydrocarbon chains length on stoichiometry of extraction of trivalent actinoids. 359726
Derewyankin, N.E.
Nuclear reactor control rod. (German (F.R.) patent document 2449930/A/) 350169
Derfler, H.
Coherent scattering of CO_2 light from ion-acoustic waves. 364237
Lower hybrid heating in a mirror plasma. (INIS-mf – 3963) 371813
Dergachev, N.P.
Economic aspects of the development of nuclear power and fuel-cycle plants in the USSR. 366127
Perspectives of the nuclear power development in the USSR and the strategy of fuel reprocessing. (IAEA-AG – 63-12) 363505
Dergachev, V.A.
Problem of cosmogonic isotope production and cosmic ray intensity of the remote past. 356245
Dergozubov, K.A.
Measurement of electric potential distribution in dielectrics. 376740
Dergunova, V.S.
Features of contact interaction of some refractory oxides with carbon. 359637
High temperature soldering of graphite. 375754
Derian, L.
Prospects for the use of nuclear sources of heat in Czechoslovakia. 376784
Derikum, K.
Evidence for the tau → γrhoπ decay mode. 372500
Measurement of the branching ratios for the decays J/PSI (3.1) → fω and J/PSI (3.1) → Bπ. (DESY – 77/50) 364568
Measurement of the branching ratios for the decays J/psi(3.1) → fω and J/psi(3.1) → Bπ. 372506
Measurement of the J/psi radiative decay into f°(1270)γ. 377779
Dering, W.
Longitudinal pipe fracture in an elbow of the superheated-steam line of the AVR experimental nuclear power plant. 370816
Derizemlya, A.N.
Fine resistance of $NbBe_{12}$ and $TaBe_{12}$ prepared by the method of diffusion saturation in vacuum. 378609
Derkachenko, V.N.
Effect of Dy^{3+} ions on transitions into atiferromagnetic state in substituted orthoferrites. 358868
Derkacheva, G.M.
Heat conductivity of the composite material based on powders and iron and copper fibers. 370090
Derman, E.
Electron-muon permutation symmetry and multiplicatively conserved lepton number in gauge theories. 356404
Dermel', M.
Activation analysis – is the necessary method for determination of element traces in standard samples. (INIS-mf – 3994) 378133
Dermendzhiev, E.
Kinetic energies of fragments in first resonances of ^{235}U. (INIS-mf – 3896) 356741
Multilayer ionization fission chamber with cooling of the fissile targets down to 77°K. (LA-tr – 77-35) 358338
Dermendzhiev, Khr.
On some problems of the combined action of radon and silicon dioxide. 367579
Dermietzel, J.
Tracerkinetic investigations on isomerization and synthesis of C^8-aromates. 2. 372954
Dernbach, N.J.
Engineers must become more aware of public acceptance. 379604
Deron, S.
An analytical laboratory to facilitate international safeguards. 361206
Derre, J.
A study of πsup(+), πsup(-) and proton production in pp interactions at 69 GeV/c. 361867
Derre, Zh.
Study on the dependence of associative multiplicity of charged pions upon π^- meson transverse momentum in pp interactions at 69 GeV/c. 351218
Derrick, M.
Charged current ν and anti ν interactions in hydrogen and deuterium. 353957
Derry, D.R.
Evaluation of modern uranium prospecting techniques. (AECL – 5713) 360141, 365264
Derstine, K.L.
Optimized iteration strategies and data management considerations for fast reactor finite difference diffusion theory codes. 374114
Deruelle, N.
Classical and quantum states in black hole physics. 356213
Dressing up a Reissner naked singularity. 377717
Derunov, V.V.
Tris(2-thienyl)phosphine complexes of group VIB (Cr, Mo, W) metal carbonyls. 354344
Deruytter, A.J.
Study of the fission products of ^{235} ^{238}U by irradiation with 25 MeV bremsstrahlung. 356903
Deruyttere, A.
Multi-component intrinsic solid solution softening and hardening. 367248
Dervalits, A.
Equipment to measure the specific electrical resistance, natural radioactivity and the neutron GAMMA intensity of rock layers intersected by a borehole, in a single step. (German (F.R.) patent document 2523116/A/) 358371
Dervin, P.
Contribution of neutron diffraction to the study of the texture function of recrystallized titanium, comparison with X-ray diffraction. 353465
Deryagin, B.V.
Concerning carbon thin layers on boron nitride. 367290
Desai, M.
Soft-tissue sarcoma: imaged with technetium-99m pyrophosphate. 379142
Desai, Rupa
Use of radioisotopes ^{125}I in the study of serum LH levels in cycling buffaloes and its rate of release in buffaloes stimulated with Gn-RH administration. 352104
Desai, T.S.
On the origin of low temperature thermoluminescence in nucleic acid bases: excitation and emission spectral studies. 360221
Desai, U.D.
Search for gamma-ray bursts with coincident balloon flights. (N – 77-14977) 361676
Desalvo, A.
Feeding-in and blocking phenomena explained in terms of a simple diffusion model. 363950

DeSantis, A.
Carrier-mediated transport of metabolites in purified bean mitochondria. 354925
deSaussure, G.
Sensitivity analysis of TRX-2 lattice parameters with emphasis on epithermal ^{238}U capture. Final report. (EPRI-NP – 346) 360781
Descamps, J.M.
Measurement of the diametral evolution of a fuel element during its irradiation. The MEDINA service. 360742
Descamps, M.
Series expansion calculation of the elastic neutron diffuse scattering: Ice Ih. 356547
Desch, M.D.
Groundbased and spacecraft studies of jupiter at decameter and hectometer wavelengths. 372146
Deschamps, P.
Vacuum technology and wall conditioning in present tokamaks. 368935
Deschenes, L.
Doubly peaked helium depth profiles in copper and blistering. 362550
Deschepper, Ph.
Average polarization of ^{12}B in $^{12}C(\mu,\gamma)^{12}B$(g.s.) reaction: helicity of the π-decay muon and nature of the weak coupling. 356519
Desclaux, J.P.
High precision measurement and calculation of the hypersatellite $K\alpha_1$sup(h) X-ray energy for $Z=80$. 355917
Rare earth wave function determination by polarized neutron diffraction in $REAl_2$. 378591
Spectroscopic and Bethe cross-section data for sodium-like ions. (ANL – 76-88(Pt.1)) 361370
Unrestricted Dirac-Fock theory: relativistic determination of core polarization hyperfine interactions. 366403
Descouts, P.
Nuclear magnetic resonance study of La_3X compounds and related phases. 368765
Deser, S.
Fermionic Goldstone-Higgs effect in (2+1)-dimensional supergravity. 374554
Prescribed sources and gauge conditions. 361250
Stationary solutions, energy, and the Bel-Robinson tensor. 353068
Supergravity has positive energy. 350497
Desesquelles, J.
Beam-foil spectroscopy and atomic collisions in solids. (INIS-mf – 3996) 363994
DesHaies, R.
In-reactor measurement of fuel-to-sheath heat transfer coefficients between UO_2 and stainless steel. (AECL – 5400) 360839
Deshmukh, P.
L/sub III/ x-ray absorption of gadolinium in the metal, sesquioxide, monosulphide, and hexaboride. 357263
L_3 x-ray absorption discontinuity of gadolinium in the metal and in some compounds. 348776, 348776
A new scale of electronegativity on the basis of calculations of effective nuclear charges from x-ray spectroscopic data. 348705, 348705
Deshmukh, R.S.
Electron irradiation in amorphous silicon. 362531
Deshmukh, S.M.
Setting up of a facility for the recovery and storage of californium-252 from a capsule. (BARC – 905) 373012
Deshpande, N.G.
Comment on Weinberg's gauge theory of CP nonconservation. 372394
Nonconversation of muon number in a broken SU(4) x U(1) gauge theory. 351149
P and CP nonconservation through Higgs exchange in gauge models with right-handed charged currents. 372393
Deshpande, R.G.
Design and construction of packages for the transportation of radioisotopes. 350012
Mixed ligand chelates of UO_2^{2+} and VO^{2+} with catechol as primary ligand and succinic, adipic itaconic, phthalic, 3,5-dinitrosalicylic and 5-sulphosalicylic acids as secondary ligands. 349210
Deshpande, R.Y.
Electrical conductivity of γ-irradiated ADP and KDP crystals. 366460
Deshpande, S.S.
X-ray fluorescence determination of Sm, Eu, Tb, Dy, Ho, Yb and Y in high purity gadolinium oxide. 369537
An XRF method for the determination of common rare earth impurities in high purity yttrium oxide. 375252
Desi, S.
Radioanalysis of water circuit at nuclear power plants. 365853
Desipri, A.I.
Fine crystal structure and coercive force of RCo_5 alloys. (INIS-mf – 3839) 367239
DeSisto, T.S.
Influence of grain size on the high cycle fatigue crack initiation of a metastable beta Ti alloy. 351736
Desjardins, D.
Relationships between mechanical behavior in neutral environment and stress corrosion behavior for austenitic stainless steels. 354505
Deslauriers, J.
The ^{141}Eu nuclide and its decay properties. 364761
Desmarchais, W.E.
Emergency core cooling system for a nuclear reactor. (US patent document 4,064,002/A/) 379235
Fuel transfer system for a nuclear reactor. (US patent document 4,053,067/A/) 368020
Desnica, U.V.
TSCAP and admittance spectroscopy of defects induced by gamma rays in GaP. 370148
Desouter-Lecomte, M.
Diabatic molecular states and the shielded diatomic orbital method. Evolution of two-interacting state systems for molecular hydrogen. 353179
Despault, J.G.
Rare earth arsenides: the metal-rich europium arsenides. 378743
Desplat, J.-L.
Coadsorption of cesium and oxygen on W(110). 369925
Despois, J.
Underground storage of heat. 376782
Despotovicj, R.
Deposition of radioactive waste produced by nuclear power plant. 371188
Despres, A.
A method of evaluation of long range atmospheric transfers (100-1000 km). 370301
Dessel, S.
Institutional fabrication of a simplified 'Master-Milker' generator for an economical supply of Nasup(99m)TcO_4 from fission product $^{99}MoO_4$. (INIS-mf – 4010) 367153
Desser, R.K.
Prognostic classification of Hodgkin disease in pathologic stage III, based on anatomic considerations. 352047
Desthuilliers, M.G.
'On-line' spectroscopic study of energy states of ^{187}Au: interpretation in terms of triaxial nuclear deformations. 377981
Destler, W.W.
Controlled collective field propagation for ion acceleration using a slow wave structure. 363169
Experimental study of microwave generation and suppression in a non-neutral e-layer. 350828
Observation and suppression of radial beam blowup in the Maryland ERA. 363203
Recent results of the University of Maryland research program on collective ion accelerators. 363202
Destribats, M.T.
Ultrasonic testing of the welding of PWR fuel pin plugs. 376528
Utilization of focalised transducers to improve the control of mixed joint welds of ferritic and austenitic steels. (IWGFR – 10) 363402
Desyatnik, V.N.
Density, surface tension and viscosity of melts of uranium trichloride-lithium chloride. 349320, 359727
Density, volumetric properties and surface tension of three-component systems of uranium chlorides with alkali metal chlorides. (INIS-mf – 4193) 375632
Some physicochemical properties of molten mixtures of thorium tetrachloride with alkali metal chlorides. (INIS-mf – 4193) 378462
Transport properties in molten mixtures of uranium trichloride with alkali metal chlorides. (INIS-mf – 4193) 375628
Dethlefsen, J.M.
Scaling of multiplicity distribution in hadron collisions and diffractive-excitation like models. 353774
Dethlefsen, L.A.
Cell loss from three established lines of the C3H mouse mammary tumour: a comparison of the ^{125}I-UdR and the ^{3}H-TdR-autoradiographic methods. 354888
Detilleux, E.
Criteria, standards and policies regarding decommissioning of nuclear facilities. 370543
Substance including highly radioactive waste and method for its production. (German (F.R.) patent document 2524169/A/) 352856
Detrano, M.
Comparison of the physical properties of radiation and sulfur-cured poly(butadiene-co-styrene). 378503
Detrich, J.
Analytic evaluation of an important integral in collision theory. 366837
Characteristic vibrational coupling behavior of intermolecular potentials. 368624
Detsyura, K.Ya.
On calculation of the strength of natural filament compositions produced on the basic of carbon steels. 349542
Detweiler, S.L.
Electromagnetic perturbations of a rotating black hole. 356214
Deuber, H.
Determination of the radioiodine species in the exhaust air of nuclear facilities. (KFK – 2435) 357916
Deublein, O.
Lingen nuclear power plant – construction and operation. 365856
Deupree, R.G.
Theoretical red edge of the RR Lyrae gap. IV. Convective steady-state models. 350998
Deus, S.F.
Development of a mathematical phantom representing a ten-year-old for use in internal dosimetry calculations. (ORNL – 5171) 367561
Dose to the stomach wall from injected /sup 99m/Tc pertechnetate. (ORNL – 5171) 367567
Specific absorbed fractions for photons emitted in the walls of the GI tract. 355028, 367560
Deuster
The use of non-destructive test methods at the HDR reactor. 368123

Deutch, B.I.
Radiation damage studies on implanted Te, Sb, and Sn in semiconductors by means of Moessbauer spectroscopy. 370243
Deutsch, J.P.
Search for second-class current: the measurement of the β-γ directional correlation in the decay of ^{20}Na. 354253
Deutsch, R.W.
Utilization of training centers for staffing nuclear power plants. 352529
Deutsch, S.
The nuclear safety. 380141
Deutscher, G.
Superconductivity in silver induced by the proximity effect. 359910
Deutscher, R.L.
Determination of uranium in natural waters by differential-pulse polarography of a trioctylphosphine oxide extract. 367029
Deutschmann, M.
Spin and lifetime of the Ω^- hyperon. 372517
Total cross sections for charged-current neutrino and antineutrino interactions in BEBC in the energy range 20-200 GeV. 353945
Dev, P.K.
Radioresponse of mouse esophageal mucosa to ^{32}P irradiation. 352033
DeVan, J.H.
Post-test examination of a 30-MW sodium-to-sodium intermediate heat exchanger. (CONF-760503 – P2) 352747
Reduction of Al_2O_3 in niobium – lithium systems at 1000°C. (ORNL/TM – 5828) 357064
Devan, K.
^{104} ^{106}Pd(p,n) ^{104} ^{106}Ag, spin, parity and structure studies. (BNL-NCS – 22500) 356742
^{104} ^{106}Pd(p,n,γ) ^{104} ^{106}Ag energy levels. (BNL-NCS – 22500) 356743
Devanathan, V.
Effect of correlation on the bandstructures of Th and Os. 355997
Relativistic band structure of thorium. 366425
Devant, G.
Design of high performance quadrupole mass spectrometer. 371089
Devare, H.G.
X-ray photoelectron spectroscopy – technique and applications. 368283
DeVault, G.P.
Equations of state for LMFBR materials. (CONF-761001 – P4) 362860
DeVault, R.C.
Citizens' views about the proposed Hartsville Nuclear Power Plant: a survey of residents' perceptions in August 1975. (ORNL/TM – 5801) 349904
DeVault, R.M.
HEXERE12: computer program for the transient thermal-hydraulic analysis of high temperature gas-cooled reactors. (K/CSD/TM – 3) 357773
Devaux, B.
A detector for high-energy neutrino interactions. 379899
Is there a high-y anomaly in antineutrino interactions. 351222
Like-sign dimuon events produced in narrow-band neutrino and antineutrino beams. 356512
Measurement of the neutral to charged current cross section ratio in neutrino and antineutrino interactions. 361888
Observation of a neutrino event with four energetic muons. 372525
Observation of the decay $\pi^0 \rightarrow e^+e^-$. 377802
Observation of trimuon events produced in neutrino and antineutrino interactions. 356511
Study of inclusive neutral current interactions of neutrinos and antineutrinos. 369377
Devaux, J.Y.
Radionuclide angiocardiography for the evaluation of intracardiac shunts. (INIS-mf – 4010) 362833
Devdariani, A.Z.
Landau – zener transtitions between autoionization states. (INIS-mf – 3915) 348668
Devell, L.
Radiation doses in accidents at sea-transportation of spent fuel. (KBS-TR – 57) 376836
Devenish, R.
Evidence for the tau → γrhoπ decay mode. 372500
Measurement of the branching ratios for the decays J/PSI (3.1) → fω and J/PSI (3.1) → Bπ. (DESY – 77/50) 364568
Measurement of the branching ratios for the decays J/psi(3.1) → fω and J/psi(3.1) → Bπ. 372506
Measurement of the J/psi radiative decay into f°(1270)γ. 377779
Devenyi, A.
Electrical transport and thermopower in cermet-type thin films. 357354
Devezas, T.C.
Kinetic study of ferromagnesite precipitation in MgO by magnetic resonance. 363961
Devi, P.U.
Protection of mouse intestine against gamma irradiation by 2-mercaptopropionylglycine (MPG). 354772
Devik, F.
Cell migration following irradiation of the skin in mice. Effect of shielding minute areas. 376093
Devillard, J.
Fabrication of HTR fuel elements by a gaseous impregnation process. (CEA-CONF – 3924) 358245
Devillers, C.
Shielding against neutron streaming in pressurized-water reactor. 367812
Devine, R.A.B.
Hyperfine field in ordered Dy/sub 1-x/M/sub x/Al_2 (M = Y,Gd) compounds. 359896
Devinney, E.J.
Nature of the x-ray Nova A0620-00. (CONF-7510169 –) 364317
Devins, D.W.
IU-Melbourne (p,2p) experiments at IUCF. 372737
Devir, S.N.
Evaluation of the multielement content in aerosol samples and their sources in Israel's urban environs by radioisotope excited XRF analysis. (IA – 1338) 364849
Devismes, C.
Positron annihilation – destruction to design. 356031
DeVita, V.T. Jr.
Risk of new cancers in patients with Hodgkins's disease. 373561
Devkin, B.V.
Neutron detector with gamma-ray compensation for measurements with the time-of-flight method. (FEI – 577) 376607
Devletian, J.H.
Weldability of high toughness Fe – 12% Ni alloys containing Ti, Al, or Nb. 351703
Devlin, C.L.
Emergency tripping device. (German (F.R.) patent document 2627369/A/) 355272
Devlin, J.C.
Pulse synthesis technique for improving ionosonde resolution. 367421
Devlin, J.P.
Infrared spectrum of D_2O vibrationally decoupled in glassy H_2O. 369696
DeVoe, R.
Measurement of the branching ratio GAMMA (K/sub L/ → $\pi^+\pi^-$)/GAMMA (K/sub L/ → all). 359336
DeVoe, R.G.
Spin analysis of charmed mesons produced in e^+e^- annihilation. 351228
Devojno, A.N.
Investigation of heat transfer when cooling a turbulent flow of chemically reacting N_2O_4 in a tube at elevated temperatures of a channel wall. 367900
DeVore, K.R.
Design of an eight-megawatt series regulator. (UCRL – 79594) 368936
DeVore, R.K.
Computerized plutonium laboratory-stack monitoring system. (LA-UR – 77-1791) 362617
Devoret, R.
Complementation pattern of lexB and recA mutations in Escherichia coli K12; mapping of tif-1, lexB and recA mutations. 376080
Devos, F.
Electronic and rotational energy relaxation in molecular helium: Observation of reactive collisions by isotope-selective laser excitation. 368622
Devos, J.
Fine structure in the ^{208}Pb(γ,n) cross section. 375210
Devoto, R.S.
Directions for possible upgrades of the Mirror Fusion Test Facility (MFTF). (UCRL – 80475) 377380
Parameters of a field-reversed mirror reactor. (INIS-mf – 3963) 353543, 356105
Devreese, J.T.
Linear and nonlinear electron transport in solids. 375863
DeVries, P.L.
Quantum mechanical theory of a structured atom – diatom collision system: A + BC($^1\Sigma$). 350601
DeVries, R.M.
Measurements of the elastic scattering of ^{12}C from ^{28}Si at 131.5 MeV and 186.4 MeV in the rainbow scattering region. (RLO/1388 – 362) 372734
Measurements of the elastic scattering of ^{6}Li from ^{28}Si at 135 MeV in the rainbow scattering region. (RLO/1388 – 362) 372735
Observation of the proton-pairing vibration in ^{206}Pb. 366963
Transition between light- and heavy-ion elastic scattering. 351342
Devyanin, N.N.
Investigation into formulation of iron corrosion product deposition on the surfaces of steam generating channels. 365084
Dew-Hughes, D.
Recovery of T/sub c/ by annealing of irradiated A-15 compounds. (BNL – 22925) 360073
Stress limitations on superconducting magnet performance. (BNL – 22941) 352381
Dewangan, D.P.
A model for ion-atom collisions at intermediate energies. 374608
Dewanjee, M.K.
Correlation of protein binding and the localization of sup(99m)Tc pyrophosphate and other agents in infarcted myocardium. (INIS-mf – 4010) 369739
Localization of sup(113m)In- and ^{67}Ga-labeled polymethylene-phosphonates in myocardial infarct. 354926
Dewar, E.J.
Iron sulfide crystal growth: a literature review. (AECL – 5719) 359823
Dewar, R.L.
Energy-momentum tensors for dispersive electromagnetic waves. 371365
Random phase wave: a soluble non-Markovian system. (PPPL – 1401) 377391
DeWerd, L.A.
Long term recycling characteristics of LiF (TLD-100) dosimeter material. 361064

Dewey, B.R.
Relationship between ultrasonic Rayleigh waves and surface residual stress. 351726
DeWinter, T.A.
Fabrication of superconductors. 359886
Dewit, M.
Study of neutrino proton elastic scattering in the 'Gargamelle' freon experiment. 377821
DeWitte, W.J.
Spectroscopic studies of ionic solvation. XX. Cesium-133 NMR study of cesium salts in different solvents. 362174
Deworm, J.P.
Facilities and arrangements for the treatment of highly radiotoxic wastes. 360681
Precautions for preventing criticality at plutonium fuel treatment facilities. 360434
Dey, A.K.
Cation exchange sorption of some metal ions from aqueous ammonium acetate medium : separation of Ce(IV) from Ce(III), La(III) and other metal ions. 367081
Protonated, hydroxo, and mixed protonated-hydroxo species in metal-ligand equilibria: complexes of thorium(IV) with xylenol orange in aqueous solution. 367109
Dey, T.K.
Study of thermal conduction in bismuth-thallium specimens between 1.5 K and 50 K. 357264
Dey, W.
Measurement of gamma-rays, neutrons and charged particles after π^--capture in nuclei. 378077
A new upper limit for the decay $\mu^+ \rightarrow e^+\gamma$. 369383
Deyl, Z.
Investigation on the reaction of molybdenum with collagen in vivo. 356931
DeZubay, E.A.
Collection of preliminary thermal and structural calculations for TFTR components. (WFPS-TME – 018) 368937
Dhairyawan, M.P.
Beta dose due to monazite sands of Kerala. (BARC – 929) 373895
Dham, D.N.
sup(99m)Tc-Sn-glucose complex : a renal scanning agent. 367146
Dhar, A.K.
Effective charges and E2 transitions in 1f-2p shell nuclei. 359387
Study of odd vanadium isotopes. 364677
Dhar, D.N.
Studies on the immune response of previously infected lambs to vaccination with the radiation attenuated Dictyocaulus filaria vaccine. 352144
Dhar, S.
Investigation of π^+Ne and π^-Ne interactions at 10.5 GeV/c. 372541
Dharmadhikari, C.V.
Recrystallization of lanthanum hexaboride by radiation heating and electron bombardment. 367091
Dharmadurai, G.
A high flow rate, low pressure safety valve for ^{4}He pumping lines. 365703
Dharmawardena, K.G.
Nuclear science training in Sri Lanka. 352530
Dhawan, M.M.
Determination of uranium trace in some semiconducting materials by nuclear track detectors. 375238
Dhillon, G.S.
Measuring the extent of seepage losses occuring from unlined channels. 370277
Dhillon, K.S.
Labile pool and selective distribution of zinc in soils. 362792
Dhillon, S.K.
Labile pool and selective distribution of zinc in soils. 362792
Dhir, V.
Dryout heat fluxes for inductively heated particulate beds. 362900
Dhir, V.K.
Heat transfer from a pool of molten UO_2 to a concrete slab. 352203
Natural-convective cooling of a bed of fuel debris. 352287
Prediction of dryout heat fluxes in beds of volumetrically heated particles. (CONF-761001 – P4) 362901
Role of wall heat transfer and other system variables on fuel compaction and recriticality. (CONF-761001 – P3) 365539
Solidification of a sphere with internal heat generation and convective cooling at the surface. 352216
Study of dryout heat fluxes in beds of inductively heated particles. Technical report. (PB – 267378) 357756, 360435
Study of fuel freezing and channel plugging during hypothetical overpower transients. (CONF-761001 – P4) 363044
Suppression pool dynamics. Quarterly progress report 1 Jul 1976 – 30 Sep 1976. (PB – 267584) 357741
Suppression pool dynamics. Quarterly progress report 1 Oct 1976 – 31 Dec 1976. (PB – 267585) 357742
Dhua, S.D.
Improvement of some vegetatively propagated ornamentals by gamma radiation. 352139
Di Bartolo, B.
Fluorescence studies of the Er reversible Ho and Er reversible Tm energy transfer in erbium aluminium garnet. 371657
Interactions of radiation with atoms and molecules. 361351
Spectroscopy of the excited state. 361351, 361368, 361387, 361388, 361392, 361397
di Bona, G.
Relativistic effects on electromagnetic wave propagation in a cold inhomogeneous electron plasma. 371762
Di Caporiacco, D.
Study of $A_2^- \rightarrow$etaπsup(-) in the reaction πsup(-)p→πsup(-)πsup(-)πsup(+)πdegp at 11.2 GeV/c. 369279
Di Caporiacco, G.
Search for short-lived particles produced by 300 and 400 GeV/c protons in nuclear emulsions. 364564
Di Cocco, G.
Low energy γ-ray observation of NGC4151. 359075
di Lauro, G.F.
Breeding performance optimization of helium-bonded carbide fuel in 1500-MW(e) LMFBRs. 352764
di Liberto, S.
Automatic device for measurements of heavy ion tracks in plastics. 368284
Di Mariano, D.
Comparison of X-ray fluorescence and optical density methods for evaluation of exposures of dosimetric films. 371073
Di Mauro, C.
On the formvar vibrational spectrum by electron tunneling. 363972
Di Napoli, V.
(γ,n) reactions in complex nuclei at intermediate energies. 354177
The ^{16}O (γ,4p5n) ^{7}Be reaction as a monitor of intermediate-energy bremsstrahlung doses. 364589
Analysis of intermediate-energy (γ,n) reactions in complex nuclei. (CBPF – A0026/77) 364671
Cross sections of (γ, xn) reactions in complex nuclei at intermediate energies. 356744
Photodisintegration of light and medium-weight nuclei at intermediate energies. 4. (CBPF – A0027/77) 364678, 375168
Some remarks on ^{13}N photoproduction from ^{16}O and ^{19}F at intermediate energies. 354234, 364588
Di Paola, R.
Automatic measurement of radio-isotope uptake in the organs by numeric scintigraphy (applied to the thyroid). 360390
Di Pasquantonio, F.
Exponential supplementary equations for S/sub N/ methods: the one-dimensional case. 352434
Di Pietro, R.
Corrosion control in the CIRENE plant. 355446
di Primio, J.C.
International co-operation and the transfer of nuclear technology. 371317
Di Vecchia, P.
Classical solutions in two-dimensional supersymmetric field theories. 366261
Supersymmetry and instantons. (NBI-HE – 77-40) 368534
Zeta-function regularization of the quantum fluctuations around the Yang-Mills pseudoparticle. (NBI-HE – 77-26) 353056
Dialetis, D.
Zenith photoelectric measurements during the annular solar eclipse of April 29, 1976. 353706
Dialoupis, C.
Serum folic acid and Vitamin B-12 level in elderly. (INIS-mf – 4010) 370486
Diamant-Berger, A.M.
Observation of the decay $\pi^0 \rightarrow e^+e^-$. 377802
Diamanti, C.I.
Biological properties of molecules labelled with metal ions using bifunctional chelates. 354840
Diamantstein, T.
Inhibition by Isoptin (a calcium antagonist) of the mitogenic stimulation of lymphocytes prior to the S-phase. 376130
Diamond, D.
Inelastic screening and total nuclear cross sections. 372395
Diamond, H.
Half-life of ^{239}Pu by two independent methods. 351375
Diamond, H.E.
Half lives of plutonium isotopes. (BNL-NCS – 22500) 356790
Diamond, R.M.
Determination of γ softness in ^{192} ^{194} ^{196}Pt from Coulomb excitation with ^{136}Xe projectiles. 364800
Experimental study of Yb nuclei at high angular momentum. 356883
The hsub(11/2) and gsub(7/2) band structures in ^{131}Ce and ^{129}Ce. 356771
Isomeric trapping following Coulomb excitation of high spin states in ^{178} ^{180}Hf. (ZfK – 336) 364780
Shape change in the odd-A neodymium isotopes. (ISN – 77-30) 369482
Diamond, R.N.
Ratio of neutral-current to charged-current cross sections for inclusive neutrino interactions in hydrogen. 351220
Diamond, S.
Simulation of high fluence swelling behavior in technological materials. (HEDL-SA – 1163) 378799
Diamond, W.
Extraction system of the Nevis Synchrocyclotron. 363209
Diana, L.M.
Positron-helium scattering cross sections at low energies. 353204
Dianov, V.F.
Reproducibility of results of ultrasonic testing of welded joints of boiler heating surface tubes. 373135
Dias de Deus, J.
On the universality of quark jet fragmentation. 353788
Single particle distributions in the dual unitarity scheme. 366834
Dias Neto, A.L.
Critical assessment of radioisotopic methods used in the evaluation of pherispheral blood flow. 365468
Dias, J.W.
German-Brazilian co-operation on fuel irradiation. 370149

Diasamidze, Eh.M.
Radiation damage of molybdenum monocrystals due to ion implantation. (KFTI – 75-35) 353428
Diaz-Guerra Gonzalez, J.P.
A study of the volatilization-excitation phenomena affecting to the efficiency of spectrochemical buffers applied to uranium ore analysis. (INIS-mf – 3969) 369536
Diaz-Guerra, J.P.
Uranium concentrate analysis by X-ray fluorescence spectroscopy. (JEN – 400) 378102
Diaz, A.F.
H/D exchange in electrolytic reduction reactions of phenyl ketones. 362175
Diaz, J.
Composition of GaAs anodic oxide films studied by low energy ion scattering spectrometry (ISS). 369533
Diaz, N.J.
Florida Power and Light Nuclear Power Engineering Training Program. 358124
University of Florida Training Reactor. Annual progress report, September 1, 1976 – August 31, 1977. (ORO – 4018-8) 379835
Dibaj, Eh.A.
Masses of central bodies of active galaxy nuclei. 369057
The optical-variability characteristic-time dependence of galaxy nuclei on luminosity and mass. 377601
Dibbert, H.J.
The situation of uranium enrichment. 355668
Dibelius, G.
Method of operating a nuclear power plant with closed working-gas circuit and nuclear power plant for applying the method. (German (F.R.) patent document 2526147/A/) 355659
DiBianca, F.A.
Ratio of neutral-current to charged-current cross sections for inclusive neutrino interactions in hydrogen. 351220
Dibitonto, D.
Further evidence for production of electrons with small transverse momenta in pp collisions. 377784
Dicello, J.F.
Physical characterization of neutron beams produced by protons and deuterons of various energies bombarding beryllium and lithium targets of several thicknesses. 373931
DiCenzo, S.B.
Evidence for the excitation of giant resonances in heavy-ion inelastic scattering. 372709
DiChiro, G.
Delayed radiation necrosis of the brain. 379070
Dick, G.
Elastic π^0 electroproduction above the resonance region. (DESY – 77/42) 364562
Electroproduction of neutral pions and test of the quark-parton model. 356394, 364561
Dick, G.J.
Critical rf magnetic fields for some type-I and type-II superconductors. 365190
Microprocessor-based feedback system for phase and amplitude stabilization of superconducting resonators. 363201
Microwave power gain utilizing superconducting resonant energy storage. 370717
Polishing procedure for high surface electric fields in superconducting lead resonators. 363204
Stony Brook superconducting heavy-ion booster project. 363307
Dick, L.
A measurement of the polarization parameter in large angle proton-proton elastic scattering at 7.9 GeV/c. 356484
Dicke, R.
Magnetic-dipole hyperfine structure in 4d- and 5d-shell atoms. 358716
Dicke, R.H.
Radiative equilibrium in the photosphere and global oscillations of the sun and an upper bound on energy transport. 372147
Dickel, H.R.
Detailed structure of CO in molecular cloud complexes. I. NGC 6334. 364308
Dickel, J.R.
Detailed structure of CO in molecular cloud complexes. I. NGC 6334. 364308
Dickens, J.K.
Cross sections for gamma-ray production by fast neutrons for 22 elements between $Z = 3$ and $Z = 82$. 356745
Fission-product energy release for times following thermal-neutron fission of ^{235}U between 2 and 14000 seconds. (ORNL/NUREG – 14) 372738
ORCODE.77: a computer routine to control a nuclear physics experiment by a PDP-15 + CAMAC system, written in assembler language and including many new routines of general interest. (ORNL/NUREG/TM – 99) 351111
Dickens, R.J.
Velocity dispersions in clusters of galaxies. 369058
Dickerman, C.E.
Results of recent TOP and LOF experiments in TREAT. (CONF-761001 – P4) 363007
Summary and evaluation of transient test data on extended fuel motion resulting from unprotected loss of flow. (ANL – 77-40) 367749
Dickerson, D.L.
Thermal studies on Cr-doped V_2O_3 crystals. 365198
Dickerson, M.H.
Savannah River release: test of the new ARAC capability. (UCRL – 52307) 362602
Transnational air quality: the case for the stratosphere. (UCRL – 79428) 367526
Dickey, B.R.
Design criteria for the new waste calcining facility at the Idaho Chemical Processing Plant. 358465
Dickey, P.A.
Silicon surface barrier detector telescope for electrons. (RLO/1388 – 362) 374308
Dickinson, D.F.
Markarian 421: a Lacertid. 361730
Dickinson, J.A.
High-energy two-body-to-three-body vector-meson scattering in a Yang-Mills theory. 372396
Dickinson, J.M.
Design and fabrication of a radially-fed implosion heating coil. (LA-UR – 77-2452) 371882
Dickinson, J.R.
Results of airblast and temperature measurements, Project Essex I, Phase 3. (SAND – 76-0531) 376340
Dickman, J.E.
Vacancy formation volume in indium from positron-annihilation measurements. 367240
Dickman, R.L.
Ratio of carbon monoxide to molecular hydrogen in interstellar dark clouds. 372148
Dickson, H.W.
Health physics research reactor. (ORNL – 5171) 367490
Dickson, I.K.
Pellet-cladding interactions and length changes in SGHWR fuel pins. Part 1. Fundamental equations. (CEGB-RD/B/N – 3972) 352708
Dickson, P.W.
Transposition of fuel and blanket assemblies in LMFBR'S. (CONF-770611 – 17) 358284
Dickson, P.W. Jr.
Engineering aspects of heterogeneous and homogeneous reactors. (CONF-771123 – 1) 371018
Dicus, D.A.
Cosmological implications of massive, unstable neutrinos. (ORO – 3992-313) 372397
Cosmological upper bound on heavy neutrino lifetimes. (ORO – 3992-308) 361881
Cosmological upper bound on heavy-neutrino lifetimes. 351150
Didelez, J.P.
High spin states in ^{206} ^{204} ^{202}Tl observed in (d,α) reactions at 80 MeV. 359481
Didenko, A.N.
Interaction between high-current relativistic electron beam and an interface. 376360
Investigation of niobium monocrystals by nuclear-physics methods. 375825
Didenko, E.A.
Infrared spectra of neutral o-sulfobenzoates of rare earths. 349277
Didenko, L.A.
Comparison of interaction characteristics at 40 and 40000 GeV. 361689
Study on the partial inelasticity coefficients in π^-P, π^-n and π^{-12}C-interactions at 40 GeV/c. (JINR-R – 1-8718) 364556
Didenko, P.I.
An investigation of peculiarities of dielectric film ion sputtering by means of the SIMS technique. (INIS-mf – 3996) 364064
Didenko, S.Yu.
Effect of cyclic heats on the structure of bimetals. 370063
Diderrich, E.
Fe-13Cr-Ti-Mo ferritic alloy as material for a fast reactor. 369950
Didesch, T.E.
Consultant's guide to ASME nuclear certification. 352531
Didyk, R.P.
Possible mechanism of hard alloy strengthening by shock waves. 367288
Diebold, A.
Design of high performance quadrupole mass spectrometer. 371089
Diebold, R.
Beam parameters for the Fermilab Collider. (ANL-HEP-CP – 77-59) 367961
Comparison of anti p anti p and pp luminosities at Fermilab. (ANL-HEP-CP – 77-81) 377718
Long-lived particle spectrometer for the Fermilab collider. (ANL-HEP-PR – 77-53) 374292
pp collider construction scenario. (ANL-HEP-CP – 77-52) 365737
Super magnets for interaction regions. (ANL-HEP-PR – 77-72) 370737
Diebolt, J.
An attempt to select suitable elements to characterize an ancient ceramic by neutron activation analysis. 372849
Dieck, R.H.
Gas turbine emission measurement instrument calibration. 357757
Diede, A.H.
Comparison of nighttime propagation anomalies observed at two very low frequencies. 367445
Diederich, G.J.
User-oriented document management system for a nuclear power plant. 358125
Diefenbacher, W.
The highly shielded extraction facility MILLI at Kernforschungszentrum Karlsruhe (KFK). 360695
Recent results and developments on the disposal of radioactive wastes in the Asse Salt Mine. 358523
Diehl, J.
Correlations between magnetic after-effect and internal friction in α-iron after low temperature neutron irradiation. 371585

The magnetic after-effect spectrum of α-iron after low temperature neutron irradiation. 371645
Diehl, J.F.
Comparison of toxin production by clostridium botulinum type E in irradiated vacuum-packed trout (Salmo gairdneri). 376187
Diel, J.H.
Distribution, retention and cytogenetic effects of ^{239}Pu citrate in the testes of the Chinese hamster. (LF – 56) 362719
Local dose to the deep lung of a Syrian hamster from a single $^{238}PuO_2$ particle. (LF – 56) 365417
Spatial and temporal distribution of PuO_2 aerosol particles deposited in the lung of a rodent via inhalation. II. (LF – 56) 365418
Diel, R.
Present and future nuclear power financing schemes. 376786
Diemann, E.
Radial distribution functions. 5. 349211
Dienes, J.K.
Comparison of SOLA-FLX calculations with experiments at systems, science and software. (LA-NUREG – 6752-MS) 357758
Multi-dimensional fluid-structure interactions in a pressurized water reactor. (LA-UR – 77-1599) 365540
Dienst, C.
Studies on the platelet radioactive anti-immunoglobulin test. 365494
Dienst, W.
Advances in carbide fuel element development for application to fast reactors. 367327
Irradiation induced creep of ceramic nuclear fuels. 360074
Dienstbier, J.
An approach to selected structural mechanics problems of the fast power reactor core. 371019
Dienstbier, Z.
Changes of the antiheparin activity of the blood plasma and lymph in dogs after total irradiation. 365388
Excretion of pyrimidine deoxyribonucleosides after radio and chemotherapy in Hodgkin's disease. 379052
Diepen, G.A.M.
Composition of saturated solutions from 360 K up to 570 K for beryllium sulfate + water. 351473
Diepers, H.
Method for the anodic oxidation of the inner surface of a superconducting niobium hollow body having at least one opening. 369244
Diepold, W.
Technological hazards in the understanding of society. (AED-Conf – 77-352-005) 365541
Diercksen, G.H.F.
Comparison of classical mechanics and the coupled states approximation for Li^+ -CO scattering on an ab initio calculated CI potential energy surface. 371536
Dierckx, R.
Dosimetry needs for the Magnetic Fusion Materials Program. (CONF-771036 – 6) 377423
Neutron spectra characteristics for the intense neutron source, INS. (LA-UR – 77-1054) 374045
Dierker, J.
Image intensifier gamma camera with a position-sensitive silicon strip detector. 355521
Dierkes, P.
Public acceptance of nuclear energy in Austria. 371242
Dierks, R.D.
Recent calcination and vitrification process accomplishments. 358493
Diersch, R.
Assessment of the mechanical and thermal stability of Type A and Type B packagings in the GDR. 350004
Diestler, D.J.
Quantum-mechanical treatment of collision-induced dissociation. 368661
Dieterlen, F.
$K \rightarrow \pi e$ anti e decay, the pole contribution. 353874
Dietmann, H.
The influence of stress conditions on deforming and fracturing behaviour. (AED-Conf – 76-747-001) 355221
Dietrich, F.S.
Investigation of gamma-ray strengths following inelastic proton scattering on an even – even vibrational nuclei. (BNL-NCS – 22500) 356808
Dietrich, J.R.
American Nuclear Society and international technology transfer. 352532
Bottom actuated reactor control rod devices. 358094
Protection of the PWR against loss of coolant effects. 362902
Dietrich, K.
On the general form of the cross-section of deep-inelastic collisions. 375105
Dietrich, L.P.
Initial clinical-radiological experience with the foils of the new generation in routine operations. (AED-Conf – 77-133-011) 352334
Dietrich, R.
Modified scintigraphic technique for the dynamic study of the esophagus. 373588
Dietsche, W.
Time delay of phonon pulses in thin helium films. 366816
Tunnel spectroscopy on neutron irradiated Pb. 357410
Dietz, D.
Flow model test development of CRBRP intermediate heat exchanger. 374235
Dietz, D.N.
Underground storage of radioactive wastes. (AO – 1680) 357759
Dietz, K.
Energy levels of QED in a Euclidean formulation. 363880, 363881
Trends in elementary particle theory. 361294
Dietz, K.J.
The first wall of a fusion reactor under the influence of atomic hydrogen. 368910
Origin of impurities in hydrogen plasmas. (Juel – 1448) 368938
Dietz, W.
Layout of the KNK-II core elements. 376562
Results of in-pile creep measurements on pressurized capsules made of stabilized stainless steels WNr. 1.4981, CW and WNr. 1.4970, CW.A. 360058
Using the KNK-II to develop core component materials. 371062
Dietze, H.J.
Determination of main and trace elements in Luna-16- and Luna-20-material. 354288
Dietze, W.
Process for the manufacture of homogeneous phosphor-doped single crystal silicon by neutron irradiation. (German (F.R.) patent document 2519527/A/) 355110
Dietzsch, O.
Alpha transfer reaction between oxygen isotopes. (WIS-PH – 77/42) 364786
Alpha-transfer reactions between oxygen isotopes. 372769
Excited states of ^{90}Zr detected in the reaction $^{91}Zr(d,t)^{90}Zr$. 354195
Relative Q-values for reactions (d,t) in Zr stable isotopes. 354194
Reorientation effect measurements in ^{122}Te and ^{128}Te. (WIS-PH – 77/48) 364741
Testing of the energy stability and reproducibility of the ion beam produced by the 'tandem' accelerator of USP (University of Sao Paulo, Brazil). 354144
Dietzschold, B.
Comparison of the ribonucleoproteins of different rabies virus serotypes by radioimmunoassay. 362802
Dieumegard, D.
Composition of GaAs anodic oxide films studied by low energy ion scattering spectrometry (ISS). 369533
Dieval, M.
Physical and electronic characteristics of the new generation of criticality probes. Testing under real accident conditions. 361029
Dievoet, J. van
Plutonium use – Present status and prospects. 365824
Dif, P.
Analysis of some processes derived from the Claude refrigeration cycle. 360608
Difilippo, F.C.
Measurement of the ^{238}U subthreshold fission cross section for incident neutron energies between 0.6 and 100 keV. 351343
Precise measurement and analysis of neutron transmission through ^{238}U. 356851
150-m measurement of 0.880- to 100.0-keV neutron transmissions through four samples of ^{238}U. (ORNL/TM – 5915) 369501
Dige-Petersen, H.
Efficiency of organic binding of trapped iodide in sporadic goiter, evaluated by the decrease of radioiodide clearance. 367562
DiGiacomo, N.J.
$^{39}K(\alpha,p)^{42}Ca$ reaction to high excitations. (TID – 27909) 378042
$^{45}Sc(\alpha,p)^{48}Ti$ reaction. (TID – 27909) 378061
Elastic and inelastic scattering of 800 MeV protons from ^{89}Y and ^{90}Zr. (TID – 27909) 377980
Second order density effects in low energy pion scattering. 362020
Single-particle component of the first excited state of ^{211}Bi. 351351
Digilov, M.Yu.
Some problems of recoil-atom implantation theory. (INIS-mf – 3996) 364050
Digiusto, R.
Nuclear magnetic resonance study of ligand exchange on dioxopentakis(trimethyl phosphate)uranium(VI) ion and its triethyl phosphate analogue. 378461
DiGregorio, D.
Radionuclide transfer in terrestrial animals. 370395
Diiorio, G.
HIAWATHA, a fission-fragment recoil mass spectrometer. 371090
Diiorio, G.J.
Direct physical measurement of mass yields in thermal fission of uranium-235. 364762
Dijk, C. van
Inelastic neutron scattering for PdMn 10 at%. (INIS-mf – 4267) 377310
Magnetic diffuse neutron scattering on Cu-Ni alloys. 361435
Dijk, D. van
Suppression of the superconductivity in PdH by magnetic impurities. (INIS-mf – 4267) 377684
Dijkman, W.H.
Are interatomic interactions decisive for the intermediate valency state. (INIS-mf – 4267) 378610
Dikanskij, N.S.
Instability of a bunched proton beam interacting with an ion track. 357953
The NAP-M proton storage. 379519
Dikarev, V.
Aspects of nuclear safety at power plants and fuel cycle plants in the USSR. 370582
Dikareva, L.M.
Structure of Marignac's salt. 357056
Dikhter, I.Ya.
Equation of state and conductivity of cesium plasma under pressures of 50-500atm. 348669

Dikij, A.G.
Anomalous electrical conductivity and turbulent heating of plasma in closed magnetic traps. (KFTI – 74-36) 348905
Electron thermal conduction of current-carrying plasma in stellarators. (KFTI – 74-36) 348976
High-frequency turbulence of plasma in the "Uragan" stellarator with ion-cyclotron pumping. (KFTI – 75-19) 377510
Dikij, N.P.
Spatial distribution of defects in silicon doped with lithium ions. (KFTI – 74-47) 353487
Studies of lithium-ion distribution in silicon using a secondary ion-ion emission method. (KFTI – 74-47) 354610
Dikiy, N.P.
Lattice dislocation of lithium atoms implanted into cadmium sulfides. (INIS-mf – 3996) 364021
Dikov, Yu.P.
Heavy charged particle detector. (Soviet patent document 438955/A/) 355522
Dikovenko, E.
Radioprotective and hypothermic effect of adeturone on mice. 367505
Dikovskii, V.Ya.
Low temperature magnetoresistivity of Europium. 362376
Dikshtejn, I.E.
Magnetoelastic waves in orthoferrites. 374696
Diksic, M.
Activation analysis of Turkish and Canadian clays and Turkish pottery. 372837
Nuclear charge dispersion studies in the light-mass region formed in the fission of ^{238}U by protons of energy 35-85 MeV. 362064
Preparation of carrier-free Kr by (p,xn) reactions on natural bromine. 365655
Dikusar, A.I.
Macrokinetic features of tungsten anodic dissolving in alkali solutions. 349406
Particularities of anodic dissolution of rhenium in neutral and alkaline solutions at high current densities. 378245
Dikusar, N.D.
Automatic processing of images on photos from the JINR magnetic spark spectrometer. (JINR – 10-10331) 376853
Experimental investigation of FSD-precision in the processes of measuring of MIS (JINR) fiducials. (JINR-R – 10-10798) 379875
Diky, A.G.
Particle confinement in hf-heated plasma in the Uragan-2 stellarator. (INIS-mf – 3963) 371814
Dil'magambetov, S.N.
Liquid-phase reduction of o-nitrophenol on osmium-platinum catalysts deposited on thorium oxide. 349295
Dilaev, Yu.V.
Fast reactor. (Soviet patent document 490187/A/) 355459
diLauro, G.F.
Optimization system design studies of advanced carbide fuel. 379739
Dilder Hossain, M.
Analogue-to-antianalogue M1 transitions in odd Cu isotopes. 362053
Dilger, H.
The atmospheric diffusion parameters in the environment of the Karlsruhe Nuclear Research Center. (KFK – 2499) 365322
Theoretical and experimental investigations of the atmospheric diffusion of radioactive gases and aerosols and of the probabilistic radiation doses around nuclear plants due to accidental activity releases. (KFK – 2435) 357760
Dill, D.
Fixed-molecule photoelectron angular distributions of CO for fixed source-detector orientation. (ANL – 76-88(Pt.1)) 361401
Molecular effects on inner-shell photoabsorption. K-shell spectrum of N_2. (ANL – 76-88(Pt.1)) 361349
Total elastic electron scattering cross section for N_2 between 0 and 1000 eV. 363882
Dillig, M.
Pion-deuteron scattering in a D* model. 372618
Virtual isobar admixtures in complex nuclei. 372615
Dillman, L.T.
Improved radioactive decay scheme data. (ORNL – 5171) 367563
Maximum permissible concentration (MPC) values for spontaneously fissioning radionuclides. (ORNL – 5171) 367566
Dillmann, H.G.
In situ testing of large aerosol filters – Operating experience and extension of the application of the test method to include simulated LWR nuclear accident conditions. 360527
Post-accident recirculation filters for removal of fission products from the atmosphere of the safety containments. (KFK – 2435) 357917
Dillon, R.L.
Chemical decontamination and melt densification of chop-leach fuel hulls. 358479
Dilworth, C.
A spherical model for the transient x-ray source A0620-00. 356215
Dilworth, J.R.
Nitrido- and imido- or nitrene complexes of molybdenum. 351475
Dima, S.
Gamma-gamma angular correlations in ^{151}Sm. 356691
Properties of the 635.4 keV level in ^{171}Tm. 375157
Dimant, Ya.S.
Kinetic theory of runaway production in toroidal magnetic devices. 374821
DiMaria, D.J.
Electron-trapping characteristics of W in SiO_2. 351915
DiMarzo, J.T.
Apparatus for the investigation of radiation creep in metals. 360075
Irradiation creep of Zircaloy under proton bombardment. 360845
Dimchev, T.
Choice of criteria for precise estimation of the detectable level in determining small activites. 350297
Diminshtejn, O.S.
Measurements of energy spectrum of primary cosmic rays in the energy range above 10^{17} eV. 361697
Dimitrov, L.
Use of radionuclides in the study of iron metabolism in iron deficient states. 367686
Dimitrov, S.
Influence of ultraviolet ray irradiation on length of egg hatchability and on length of incubation period. 367491
Dimitrov, S.K.
Direct energy conversion of monochromatic ion beams with space charge compensation. 374865
On a possibility of application of an ion transit recuperator. (INIS-mf – 3954) 361645
Dimitrow, D.
Automatic radioisotopic balance of band-conveyer type RILIN-2/800. (INIS-mf – 4015) 373966
Radioisotopic device for automatic feeding of cement components into milling machine – "Doza – 2/3". (INIS-mf – 4015) 373967
Dimmler, D.G.
Computer networks in future accelerator control systems. (BNL – 22465) 365739
Dimock, D.
Multichannel Thomson scattering apparatus. (PPPL – 1356) 356090
Dimond, R.C.
Radioimmunoassay for 3,3'-L-diiodothyronine (3,3'T_2). 357634
Dimov, G.I.
Electron detachment from fast hydrogen anions in a plasma target. (INIS-mf – 3915) 348670
100-mA negative hydrogen-ion source for accelerators. 363205
Din, A.M.
Gauge vacuums and the conformal group. 363746
Din, G.U.
A study of the $^{42}Ca(p,\gamma)^{43}Sc$ reaction. 356746
Din, K.-Ud-
Polarographic and voltammetric measurements of disproportionation of uranium (V) in sulphate and other complexing media on mercury electrodes. 357008
Din, M.A.
Scaling and impact parameter structure in pp scattering. 369266
Dinaburg, L.B.
Electromagnetic system of the "Tokamak-10M" experimental thermonuclear facility. (INIS-mf – 3954) 361504
Experimental study on a cooling system with underheated liquid helium. (INIS-mf – 3954) 361524
Research program for superconducting current element for the "T-10M" facility. (INIS-mf – 3954) 361505
Technological problems of the Tokamak-10 reconstruction. (INIS-mf – 3954) 361543
Dinakar, N.
Metabolism in vitro ^{3}H-testosterone in testis, epididymis and sex accessories of the rhesus monkey. 373639
Reqional differences in the metabolism of testosterone in vitro in the epididymis and ductus deferens of the adult rhesus monkey Macaca mulatta. 367622
Dinariev, O.Yu.
On propagation of weak waves in a strong electromagnetic wave. 374555
Dincer, S.
Dependence of the gamma-ray linear attenuation coefficient on the amount of cement in concrete. 372569
Dincklage, R.D. v.
The internal conversion of the N = 81 isotones sup(139m)Ce and sup(141m)Nd. 375169
Dincmen, T.
The Austrian programme for the development of advanced HTR concepts and components. 379672
Dines, V.L.
Device for absorption X-ray analysis. (Soviet patent document 483610/A/) 354296
Dinescu, L.
Determination of aquifer interconnections by use of tritium in the Turt-Bai region. 379419
On the determination of the detection sensitivity radiometric equipment having the detector immersed into an extended liquid. 379402
Theoretical and experimental determination of the radiometric equipment sensitivity in the "in situ" measurements. 358358
Ding, A.
Production of H-atom and O-atom beams by a cooled microwave discharge source. 350602
Dinoor, A.
Genes for disease resistance from native populations. 373708
Dinter, M.
Dynamical electrical conductivity in superconductors below the transition temperatue. 372325
Diodato, L.
Two-spacecraft study of the preshock perturbations of the solar wind protons. 360191
Diogenov, G.G.
NaF-CsF-$NaNO_3$-$CsNO_3$ system. 375441
Dionisio, J.S.
The particle-cluster vibration and the particle-asymmetric rotor

description of ^{193}Au. (ZfK – 336) 364830
The potential energy surfaces and the nuclear deformations of odd-mass Tl, Au, Ir and Re isotones. (ZfK – 336) 364833
Spherical and deformed descriptions of the $9/2_1^-$ level. (ZfK – 336) 364763
Dionisio, Kh.S.
On properties of the negative parity levels in Tl, Au, Ir odd nuclei. 377945
Dionne, P.J.
Inhaled plutonium nitrate in dogs. (BNWL – 2100(Pt.1)) 360311
Dionysiou, D.D.
Gravitational radiation from an isolated perfect fluid in higher multipole moments. 371366
Dippel, K.H.
The permissible amount of plasma-wall interaction in a fusion plasma. 368919
Dippel, T.
Method for the decontamination of surfaces of metallic materials. (German (F.R.) patent document 2511112/A/) 367813
Dirac, P.A.M.
Theory of magnetic monopoles. 361786
Dirkse, J.
Energy dependence of correction factors for some low-energy direct-reading pocket dosimeters. 374346
Disdier, D.
Pre-equilibrium alpha emission accompanying deep-inelastic $^{16}O + ^{58}Ni$ collisions. 354207
Disdier, R.
Experimental study of the consequences of accidental sodium release in the form of peroxide aerosols on the tomato and the lettuce. 354976
Disney, J.L.
Comparison of sodium iodide and solid-state detectors for the measurement of lung-stored uranium. 371110
Disney, M.J.
BL Lacertae objects. 350999
Disney, R.K.
Radiation protection/shield design. 368202
Dissanayake, C.B.
The geochemistry of bismuth in the Skaergaard intrusion. 349621
DiStefano, J.R.
Creep-rupture properties and corrosion behavior of 2 1/4 Cr-1 Mo steel and Hastelloy X alloys in simulated HTGR environment-interim report. (ORNL/TM – 6001) 368176
Safety status of HTGR structural ceramics. (ORNL/TM – 5680) 373878
Distenfeld, C.H.
Monitoring of radioiodine from containment accidents. (BNL – 23112) 373456
Distler, G.
Time switch for X-ray diagnosis apparatus. (German (F.R.) patent document 2544697/A/) 376250
Disz, E.
Construction and measurement possibilities of Moessbauer spectrometer type N-255. (INIS-mf – 4015) 374309
Dite, A.F.
Gas-liquid phase diagram in a nonequilibrium electron-hole system in silicon. 377181
Ditlov, V.A.
The determination of nuclear charges by the method of grain counting in heavy particles tracks. 360061
Dittmann, P.
Charged particle multiplicity distributions in pp collisions at ISR energies. 356525
Charged particle multiplicity distributions in pp-collisions at ISR energies. 353996
On the value of sequential scintigraphy for the investigation of the transplanted liver. (INIS-mf – 4010) 367707
Dittmar, E.
New concepts of control centre design and development. (KFK-PDV – 106) 368338
Dittmer, P.H.
The mean magnetic field of the Sun: observations at Stanford. 366750
Dittner, P.F.
Electron capture to K vacancies in chlorine ions (approximately 1.5MeV/amu); relation to emergent charge states. 358735
A gas-jet recoil-transport system for fission products and its application to a continuous chemical separation procedure in the gas phase. 367152
Production, L x-ray identification, and decay of the nuclide ^{260}105. 364745
Dittrich, J.
Weak electroproduction of muons. 353789
Dittrich, K.
Analytical determination of traces of cadmium in inorganic matrices by atomic fluorescence with electrothermal atomization. 375251
The determination of rare earths by atomic absorption spectrometry with electrothermal atomization. 351437
The determination of traces of rare earths in other rare earths by atomic absorption with electrothermal atomization and by d.c. arc emission spectrography. 351438
Dittrich, W.
Hydraulic studies of the lower plenum of a pressure water reactor vessel. (NUREG-tr – 0009) 365899
Ditzhuyzen, P.G. van
The temperature dependence of the viscomagnetic effect in the hydrogen isotopes. 361436
Ditzler, W.R.
Measurement of phi production in proton-nucleus collisions at 400 GeV/c. 366877
New limits on D^0(1.865) production in proton-nucleus collisions at 400 GeV/c. 361882
Diu, B.
Do the neutron-proton charge exchange amplitudes depend on energy on energy. 372369
Problems in the phenomenological analysis of cross-section difference sigmasub(pp)-sigmasub(pn) and sigmasub(antiproton proton)-sigmasub(antiproton neutron). 361919
Divakar, R.S.
Polymerization of diallyl phtalate in solution by γ-radiation. 373043
Divakaran, P.P.
Unitarity bounds on angular distribution in multiparticle production II. 351151
University in weak interactions – the Cabibbo suppression. 372398
Divekar, K.D.
Human serum albumin microspheres for lung imaging. 373029
Diven, B.C.
Equation-of-state experiments in the pressure region near 20 megabars. (LA-UR – 77-1900) 357316
Divisenko, I.F.
Effect of some media on high-temperature plasticity of titanium. 369926
Dix, G.E.
Spacer for nuclear reactor fuel rods. (German (F.R.) patent document 2609120/A/) 355262
Dix, G.P.
Beneficial utilization of nuclear waste products. 363636
Dixit, L.
Infra-red spectrum and normal coordinate analysis of tungsten trioxide. 374609
Dixit, M.
New limit on the decay $\mu^+ \rightarrow e^+\gamma$. 372516
Dixit, M.S.
Further muonic-atom test of vacuum polarization. 350625
Measurement of the π→eupsilon branching ratio. (INIS-mf – 4267) 377792
Dixit, R.M.
Direct determination of thorium in uranium oxide by X-ray fluorescence. 364860
X-ray fluorescence determination of Sm, Eu, Tb, Dy, Ho, Yb and Y in high purity gadolinium oxide. 369537
An XRF method for the determination of common rare earth impurities in high purity yttrium oxide. 375252
Dixit, V.V.
Bremsstrahlung analogy. 353790
Dixon-Brown, A.
Gonad dose in cineurethrocystography. 379335
Dixon, A.J.
Electron ionization spectroscopy of acetylene: momentum distributions of the valence orbitals. 353224
Electron ionization spectroscopy of ethylene: orbital assignement of correlated states. 353225
Ionisation of atomic hydrogen: angular correlations of the outgoing electrons. 361403
The noncoplanar symmetric (e,2e) reaction on atoms. 353382
Dixon, D.R.
Evaluation of the 241-S-111 salt well jet pump prototype. (RHO-CD – 80) 366088
Gamma-ray production cross sections for copper from 0.67 to 19.6 MeV. 362095
In-situ drying process test proposal. (RHO-CD – 12) 363664
Dixon, J.M.
Crystal fields and dynamic Jahn Teller coupling of an electronic quartet to $GAMMA_5$ lattice modes in the fine structure of Er^{3+} in Pd – Er. 378611
Dixon, R.
Electroproduction of phi mesons. 359337
Ultrafast pulsed magnets for beam manipulation in an electron storage ring. 363206
Dixon, R.D.
Measurements of noise on an electron beam. 366331
Statistical tests for locating power in a Fourier line spectrum. (RFP – 2482) 367930
Dixon, R.H.
Some effects of end stoppering on a theta-pinch plasma. 366526
Dixon, R.N.
Dye-laser Doppler-free spectroscopy of hyperfine levels in electronically excited NH_2. 366332
Dixon, R.S.
Effect of a magnetic field on the fluorescence produced in irradiated anthracene solutions. 362253
Dixon, W.G.
Multipole structure of static continuous matter distributions in general relativity. 355751
Dixon, W.R.
The lifetime of the 3907 keV state of ^{19}F. 353226
Diziol
Central measurement-value acquisition facility (ZMA) for slow and fast measurements at the HDR. 370892
Djatchenko, Ju.I.
Evaluation of the effective charges of atoms from combination of the x-ray K sub(α1) chemical shifts and the isomer shifts of the nuclear gamma-ray spectra. 354354
Djerassi, H.
Room-temperature electron irradiation of n-type InP. 370180
Djuh, Y.Y.
Radioimmunoassay for 3,3'-L-diiodothyronine (3,3'T_2). 357634

Djukic, Z.
Problems of differential diagnosis in evaluation of pathological effects of ionizing radiation in medical supervision of occupationally exposed persons. 354821
Djurakicj, D.
Determination of the degree of contamination of water measuring fields of gamma radiation by various types of portable detectors. 371160
Djuricj, B.
Study of precipitation hardening in Al-Zn-Mg alloys with small additions of silver. 378612
Dlaske, R.
State and tendencies of chemical protection against ionizing radiation. (SAAS – 221) 365398
Dlougi, Z.
Fast-response fission ionization chamber with ^{235}U radiators. 358347
Dlouhy, Z.
Bituminization of concentrated radioactive wastes. 371197
Measurement of the $^{235}U(n,\gamma f)$ process using characteristic X radiation. 354178
Dlubek, G.
Temperature dependence of the positron annihilation by dislocations and vacancies in nickel. 363995
Dmitrenko, I.M.
Resistance decrease of point contacts under SHF-radiation. (KFTI – 75-33) 353732
Resistive state of thin tin films in a magnetic field. (KFTI – 75-33) 356367
Dmitrenko, K.A.
On spectra of two-photon absorption in Znsub(0.1)Cdsub(0.9)S mixed monocrystals. 371558
Dmitrevskij, Yu.P.
Study on particle production with large transverse moments in nucleon-nucleon interactions at 70 GeV. (IFVE-SEF/OP – 74-150) 361866
Dmitrienko, I.M.
A superconducting quantum interferometer. (KFTI – 75-33) 353215
Dmitrienko, V.V.
A study of twice-albedo electrons in the atmosphere. 357532
Dmitriev, A.I.
Antitoxic function of the liver in the early and remote periods after the action of radiation of different types. 370339
Some specific features of a band spectrum of Pbsub(0,82)Snsub(0,18)Te narrow-gaped solid solution. 374744
Dmitriev, I.A.
Kinetic and mechanism of solidphase reactions in the $BeO + SiO_2 + V_2O_5$ mixture. 360026
Some regularities of glass formation in P_2O_5-BeO-Mesub(x)O and P_2O_5-BeO-MeFsub(y) system. 378446
Dmitriev, I.S.
Comparison of experimental and calculated by the Born approximation excitation cross sections of Li^+, Be^{+2}; B^{+3} and C^4 ions in collisions with He and Ar atoms. (INIS-mf – 3915) 348739
On cross sections of electron losses by ions with 2s and 2p electrons in outer shell. (INIS-mf – 3915) 371535
On specific features in the capture cross section of an electron by excited helium-like ions. (INIS-mf – 3915) 371476
Vacuum technical aspects of synchrotron multicharged ion acceleration. 370767
Dmitriev, N.N.
Effect of ultrasonic treatment of liquid melt on micro-chemical inhomogeneity and plasticity of nickel base heat resisting alloys. (INIS-mf – 3914) 349523
Effect of ultrasonic treatment on high tensile nickel base alloys properties. (INIS-mf – 3914) 349401
Dmitriev, P.P.
Preparation of carrier-free terbium-155. 370670
Dmitriev, R.V.
Investigation of state and behaviour of hydrogen of ruthenium catalysts. 372955
Dmitriev, S.G.
Some specific features of thermoionic emission of lithium niobates. 377291
Dmitriev, S.P.
Effect of penning collisions between optically oriented Rb and He atoms on the electron density in a plasma. 368623
Dmitriev, V.D.
Kinetics of nucleation and growth of vacancy voids and dislocation loops in neutron irradiated steel-OKh16N15M3B. 373383
Properties of silver chloride track detectors. 360076
Dmitriev, V.M.
Measurement of neutron importance by a dynamic method. 376408
Dmitriev, V.P.
Calculation of quantum-mechanical system energy spectra using path integrals. 376903
Dmitriev, V.S.
Disproportionation of indium monoiodide in aqueous solutions. 375442
Dmitrieva, L.V.
Measurement and calculation of the electric field gradient on ^{51}V nuclei in calcium metavanadate. 374721
Dmitrieva, N.M.
Problems on unification of high-voltage electron accelerators. (INIS-mf – 4194) 376361
Dmitrieva, T.A.
Study on the d, ^3He, α backscattering on light nuclei with allowance for the heavy particle stripping mechanism. 375106
Dmitrievskij, V.P.
Dynamic characteristics of the booster for the 70 GeV proton synchrotron. (JINR-R – 9-9067) 355181
Meson factories. (JINR-R – 9-9341) 350062
Dmitrievskij, Yu.P.
Fabrication of lavsan heads for sensitive volumes of liquid hydrogen targets. 376337
Dmitryuk, A.V.
Luminescence and migration of energy in silicate glass activated by Eu^{3+} during monochromatic laser excitation. (INIS-mf – 3955) 362146
Dmukhovskaya, I.G.
Metal melt effect on metal deformation during mutual indentation. 359911
Dneprovskij, V.S.
Luminescence tracks in a semiconductor under two-photon excitation by ultrashort light pulses. 368795
Spectrochronograph for studies into kinetics of semiconductor luminescence. 348777
Dnestrovskij, Yu.N.
Energy balance in large tokamak facilities. (IAE – 2494) 371816
Ion temperature determination from fast neutral spectra. (INIS-mf – 3963) 371815
Prospects for using electron-cyclotron waves for plasma heating in large tokamak facilities. (IAE – 2610) 356077
Three dimensional code for studying of MHD motion of tokamak plasma. (INIS-mf – 3963) 371802
Do-Duc, N.
Observation of the decay $\pi^0 \rightarrow e^+e^-$. 377802
Do, Q.H.
Measurement of the parameters P, D, R and A for small angle p-p scattering at 390 MeV. 377785
Doan, N.H.
Spectrophotometric study of the continuous spectrum of Nova Cygni (V 1500 Cyg). 353685
Doan, N.V.
Computer simulation of some elementary processes in radiation damage in solids. (INIS-mf – 3996) 363996
Dobaczewski, J.
Microscopic dynamic calculations of collective states in xenon and barium isotopes. 372658
Dobes, J.
Multi-step processes in direct nuclear reactions. 366931
Dobis, E.
Technique for measuring radioactivity of substances labelled with ^{14}C isotope. (Soviet patent document 492099/A/) 355556
Dobrego, V.P.
Investigation of shallow radiation defect levels produced in Ge by fast-neutron irradiation. 371586
Dobretsov, S.L.
Estimation of method for γ-initiated emulsion post-polymerization of styrene. 365073
Dobretsov, Y.P.
Direct muon production in proton-nucleus collisions at 70, 50 and 35 GeV. 353942
Longitudinal polarization measurements on direct muons produced in proton-nucleus collisions. 353925
Dobrikov, V.N.
(d,^{6}Li) reaction on ^{12}C nuclei by 13.2 and 12.7 MeV deuterons MeV. 359485
Dobronravov, D.N.
Improvement in quality of hot-rolled thin band. 369854
Dobronravova, N.N.
Homologous blood effect on the effectiveness of active immunization of irradiated animals with intestinal bacteria. 370340
Dobrotin, N.A.
Energy spectra of gamma quanta on altitudes of 4370 and 4880 ("Pamir" experiment). 361690
Groups of gamma quanta with the energy from 30 to 500 TeV ("Pamir" experiment). 364309
Preliminary results on gamma quanta and hadron families with ultrahigh energies (Σ Esub(γ) > 500 TeV). 361673
Dobrott, D.
Influence of diffusion on the resistive tearing mode. 364189
Theory of ballooning modes in tokamaks with finite shear. 366527
Time evolution of thermal instabilities. 350829
Dobrott, D.R.
Ballooning modes in tokamaks with finite shear. (INIS-mf – 3963) 371876
Flux surface shape and current profile optimization in tokamaks. 350830
Dobrovol'ska, B.
Spectral-time analysis of modulation of poured out electrons and VLF-radiation on data obtained by the Interkosmos-5 satellite. 376046
Dobrovol'skaya, N.P.
Data reading system from wire spark chambers with ferrite rings. (ITEF – 53) 366060
Dobrovol'skij, I.P.
Heat calculation for borating tungsten wire. 359868
Investigation of pulse discharge using high-speed photorecorder. 359912
Dobrovol'skij, N.M.
Critical currents in ternary molybdenum chalcogenides. 377676
Investigation of specific heat and superconducting propertis of Mo_6NaS_8. 368729
Dobrovol'skij, V.M.
Independence of indium antimonide in a transverse magnetic field. 377182

Dobrovol'skij, V.N.
Anisotropy of conductivity of indium antimonide in a strong electric field. 374697
Destruction of the pinch channel in a germanium electron-hole plasma by a longitudinal magnetic field. 374791
The space charge capacity at the indium antimonide surface when the electron gas is degenerate. 354506
Dobrovol'skis, Z.
Influence of a magnetic field on the effects of hot electrons in n-type InSb. 368766
Some specific features of the Gunn effect in n-type InSb. 348778
Dobrowolny, M.
Plasma kinetics in the solar wind. 353672
Dobrozemsky, R.
Proceedings of the seventh international vacuum congress and the third international conference on solid surfaces. Volume 1. 368639, 368671, 368728, 368730, 368731, 368732, 368733, 368734, 368735, 368739, 368741, 368742, 368743, 368744, 368745, 368749, 368752, 368753, 368754, 368755, 368756, 368758, 368761, 368762, 368763, 368770, 368771, 368772, 368775, 368776, 368778, 368780, 368781, 368783, 368786, 368787, 368788, 368791, 368792, 368793, 368799, 368800, 368801, 368802, 368805, 368807, 368812, 368814, 368817, 368819, 368820, 368822, 368826, 368827, 368829, 368830, 368831, 368836, 368839, 368846, 368848, 368849, 368854, 368855, 368859, 368860, 368861, 368862, 368863, 368865, 368866, 368868, 368869, 368871, 368872, 368874, 368876, 368877, 368878, 368880, 368884, 368885, 368888, 368889, 368890, 368893, 368895, 368897, 368904, 368905, 368906, 368916, 368918, 368925, 368935, 368939, 368942, 368948, 368964, 368978, 368980, 368992, 368993, 369005, 369006, 369010, 369246, 369250, 369253, 369524, 369533, 369556, 369561, 369572, 369578, 369796, 369900, 369901, 369903, 369906, 369907, 369908, 369916, 369918, 369921, 369923, 369925, 369941, 369946, 369959, 369962, 369973, 369987, 369993, 369996, 369999, 370005, 370007, 370014, 370026, 370031, 370033, 370035, 370038, 370040, 370055, 370056, 370060, 370070, 370071, 370072, 370075, 370079, 370137, 370158, 370181, 370185, 370207, 370228, 370233, 370674, 370675, 370676, 370677, 370680, 370683, 370738, 370743, 370749, 370752, 370755, 370764, 370767, 370775, 371083, 371089, 371178
Dobryakova, G.V.
Functional and morphological changes in cow heart after administration per os of a mixture of nuclear fission products. 349778
Dobrygin, P.G.
The KS-KT-100 plant for two-stage vitrification of radioactive waste: results of tests with simulators. 358477
Dobrynin, B.D.
Ten years' operation experience of the Novovoronezh nuclear power plant. 368141
Dobrynin, V.D.
Increasing the efficiency of the systems for pressure reduction in the WWER type reactor containment during a loss-of-coolant accident. 367756
Nuclear fuel utilization in the Novovoronezh nuclear power plant. 368139
Power units with WWER-440 type reactors. 368152
Some improvements of the core and the fuel cycle of WWER type reactors. 368153
Dobrynina, N.A.
Statistic analysis of equilibriums in the system of mixed complexes. 369626
Dobryszycka, W.
Studies on the absorption of epoxy resin ^{14}C-epidian 5 through the skin of guinea pigs. 367607
Dobrzanski, T.
Radiohippuran renography in chronic alcoholics with acute alcohol withdrawal syndromes. 367564
Radiotracer transit measurements as an index of regional cerebral blood flow. Pt. 1. Methodological and clinical results in chronic alcoholics cortical blood flow. 367623, 367624
Dobrzynski, L.
On the luminosity of a two-crystal diffractometer. 358345
Dobson, J.K.
Canadian attitudes to nuclear power. (AECL – 5714) 360433, 370540
National assessment of public perceptions and attitudes to nuclear power in Canada. 360436
Docherty, P.D.
Westinghouse emergency core cooling system evaluation model application to plants equipped with upper head injection. Volume II. (WCAP – 8480-NP(Rev.2)) 379317
Docter, R.
A new radioimmunoassay of thyrotropin-releasing hormone. 362837
Doctor, P.G.
Effects of ^{239}Pu administered at 9 days of gestation on hematologic development of the rat. (BNWL – 2100(Pt.1)) 360320
Doctor, S.R.
Evaluation of liquid metal leak detection methods for the Clinch River Breeder Reactor Plant. (PNL – 2447) 379792
Dod', I.I.
Effect of collimator channel geometry on exposure dose. 355523
Energy distribution of radiation scattered by material of a collimator into a detector. 376752
Dodd, A.O.
324 building safety analysis report supplement. (BNWL-CC – 2028(Suppl.1)) 374407
Dodd, L.R.
Analytic structure of on-shell three-boy amplitudes. 372399
Designs for in-reactor sodium boiling detection and generation. (CONF-761001 – P2) 363045
Dodd, R.J.
The galactic cluster NGC 2527. 359076
Galactic structure around l = 140°, b = 0°. 374967
Dodds, A.R.
Deuteration of triborane(7) adducts with anhydrous deuterium chloride. 378246
Dodds, H.L.
Review of advanced reactor transient analysis capabilities and applications for Savannah River Plant reactors. (DP-MS – 77-1) 358324
Dodds, H.L. Jr.
Coarse-mesh method for multidimensional mixed-lattice diffusion calculations. 358036
Coarse-mesh method for multidimensional, mixed-lattice diffusion calculations. 363379
Computational benchmark problems: a review of recent work within the American Nuclear Society Mathematics and Computation Division. 363440
Sputtering calculations with the discrete ordinated method. (CONF-771109 – 60) 377432
Dodelet, J.-P.
Low energy electron ranges in liquids: determination by nonhomogeneous kinetics. 362254
Dodelet, J.P.
Electron mobilities in alkanes through the liquid and critical regions. 362255
Dodge, J.B.
Simple, pulsed, electron beam gun. 350583
Dodin, E.I.
Using organic photosensitizers in iodine generation for its photochemical titration. (INIS-mf – 4192) 375443
Dodo, T.
Current density profile of noncircular tokamak. (INIS-mf – 3963) 372062
Dodo, Taro
Gradient B drift instability in toroidal systems. 371817
Ion accelerator. 367980
Dodokhov, V.Kh.
Investigation of the detecting properties of a counter filled with solid argon. 350301
Dodonov, A.F.
Data acquisition and processing in high-resolution mass spectrometry using ion counting. 355681
Dodonov, A.M.
Ethylene interaction with carboxylic acids. 362282
Dodorow, T.
Automatic thermoluminescent photometer ATF-72. (INIS-mf – 4018) 374310
Dodrell, D.M.
Electron and nuclear spin relaxation in S = 1/2 paramagnetic transition-metal complexes. 355977
Dodson-Prince, H.W.
Flares and associated phenomena, ch. 9. 369059
Dodson, C.T.J.
Projective geometry for polarization in geometric quantization. (IC – 76-126) 361252
Dodson, G.W.
Radiative muon capture in calcium. 351365
Doe, P.J.
The flash tube discharge mechanism from a study of the digitization pulse output. 368277
Doederlein, J.M.
Nuclear power as a public issue. Protection of the public interest. 370544
Doehler, J.
Results of critical evaluation of the AIPA study. 370970
Doehnert, L.
Hartree-Fock test of Overhauser's model with a Skyrme force. 361971
Low density clustering effects of Skyrme interactions in nuclear matter. (IFT – 251/77) 351263
Doeksen, G.
Method and apparatus for monitoring the flow of solids. 357894
Doenau, F.
A core-quasiparticle coupling model for odd-A transitional nuclei. (ZfK – 336) 364679
Description of odd transitional nuclei in terms of core-quasiparticle models. 361972
Investigation of isub(13/2) excitations in ^{197}Hg and ^{191}Pt. 372774
Investigation of the $i_{13/2}$ excitation in ^{197}Hg. (ZfK – 336) 364790
Proton-neutron excitations on the high-spin states of ^{95}Tc. 367013
Doepp, M.
Changes of in vitro measured thyroid specific parameters, induced by the use of oral contraceptives. (INIS-mf – 4010) 370498
The influence of different diets on free thyroid hormones levels. (INIS-mf – 4010) 370466
Radionuclide-testiculography; further development of the method and results. (INIS-mf – 4010) 370435
Doering, J.
Evidence for rotational band structures in the N = 88 nulide ^{153}Tb. (ZfK – 336) 364834
Quasi-rotational bands in ^{80}Kr. (ZfK – 336) 364769
Doering, J.P.
Electronic energy levels of benzene below 7 eV. 366333
Low-energy particle observations in the quiet dayside cusp from AE-C and AE-D. 367436
Doering, R.R.
Activation and angular distribution measurements of ^{7}Li(p,n)^{7}Be (0.0 + 0.429 MeV) for Esub(p) = 25-45 MeV: a technique for absolute neutron yield determination. 367003

Doering, R.W.
Beryllium-reflected coal analytical assembly using ^{252}Cf neutron-capture gamma rays. 378107
Neutron induced gamma spectrometry for on-line compositional analysis in coal conversion and fluidized-bed combustion plants. (CONF-771072 – 3) 378118
Doern, C.B.
To assure public safety in a nuclear age we must reform the AECB. 358581
Doern, G.B.
The Atomic Energy Control Board. 358594
Doerner, R.C.
Summary and evaluation of fuel dynamics transient-overpower experiments: status 1974. (ANL – 77-44) 379233
Time series analysis and forecasting applied to ANL TREAT experiments. 352274
Doerr, A.
Determination of sodium and organic substances for quality control in the full-desalination plant of the Biblis nuclear power plant. 378226
Doerr, W.
Thermal properties and resistivity to core melts of reactor concrete. 370545
Doerschel, B.
Response dependence of an albedo-neutron dosemeter on the properties of shielding. (TU-Inf – 05-36-76) 366017
Doessing, T.
The instability of rapidly rotating nuclei towards emission of nucleons. 354059
Semiclassical interpretation of the gross-shell structure in deformed nuclei. 354117
Yrast traps and nuclear shell structure. (ZfK – 336) 364680
Dogel', V.A.
Problem of the galactic halo. 356195
Doggett, J.N.
Engineering of beam direct conversion for a 120-kV, 1-MW ion beam. (UCRL – 79718) 371738
Doggett, W.O.
Microprocessor assisted ESR measurements of radical concentrations in polymers. 365054
Dogliani, H.O.
Second order radiative effects using Dirac propagators and vector harmonic photons. 364490
Dogotar, G.E.
Excitation of giant resonances in radiative pion capture on 1p shell nuclei. (ZfK – 336) 364681
Excitation of magnetic dipole states in 1p-chell nuclei in radiative pion capture. (JINR-E – 2-10509) 351275
Doguzhaev, V.A.
Short-period variations of the cosmic ray intensity. 357526
Doherty, J.B.
Fuel assembly for a nuclear reactor. (German (F.R.) patent document 2620343/A/) 352737
Doherty, L.H.
Observations of 85α recombination lines from W48. 359119
Dohi, A.
Development of an in-core flow meter for the LMFBR. (CONF-760503 – P2) 352742
Dohi, Akira
Reactor instruments. 360808
Doi, Akira
Thermoluminescent and paramagnetic centers in germanium dioxide. 358869
Doi, Hidetaka
Clinical use of ^{201}Tl myocardial scintigraphy. 349872
Doi, I.
Contact hyperfine field of the 4p and 4f series elements (rare-earths). (INIS-mf – 4004) 350603
Doi, K.
Short-term variability of CYG X-1. 377639
Structural changes in amorphous $Pd_{80}Si_{20}$ by neutron irradiation. 351886
Temporal and spectral variation of Cyg X-1. 356299
Doi, Kazuyori
Device for taking out local power detection signals in a reactor. 350171
Reactor control rods. 350170
Doiron, T.
The concentration susceptibility in He^3-He^4 mixtures near the superfluid transition. 366809
Doishita, Kenji
Study of distribution of ^{169}Yb, ^{67}Ga, and ^{111}In in tumor tissue by macroautoradiography. 354829
Study of distribution of ^{203}Hg-chlormerodrin, ^{203}Hg-nitrate and sup(99m)Tc-DMSA in kidney by macroautoradiography. 379182
Dojiri, Shigeru
Safety evaluation of asphalt products, (1). 355649
Dojnikov, N.I.
Poloidal field shaping in the "T-10" facility. (INIS-mf – 3954) 361503
Calculation of the magnetic field in the banding block model of the booster in the High Energy Physics Institute (IFVE), taking into account electrotechnical steel anisotropy. (NIIEFA-B – 0211) 357954
Mathematical modelling of equilibrium plasma configurations and power supply regimes in tokamak typer facilities. (INIS-mf – 3954) 361501
Poloidal field shaping in the "Tokamak-20" facility. (INIS-mf – 3954) 361502
Superconducting magnets for shaping beams of particles with a small life-time. (ITEF – 93(1975)) 374095
Technological problems of the Tokamak-10 reconstruction. (INIS-mf – 3954) 361543
Doke, S.N.
Radiation preservation of Bombay duck (Harpodon nehereus) laminates. 376170
Radiation processing of Bombay duck (Harpodon nehereus). 349824
Doke, T.
The effect of transition radiation on the ionisation loss of relativistic electrons passing through a gas proportional counter. 374323
Doke, Tadayoshi
Measurement of superheavy nuclei in primary cosmic ray. 377619
Telescope for observation of cosmic ray isotopes. 379876
Dokiya, Masayuki
The study of thermochemical hydrogen preparation, (2). 354329
Dokshina, G.A.
Effect of taurine on the insuline secretion isolated by the pancreatic tissue of intact and irradiated rats. 370341
Participation of taurine in the reduction of hypercorticism effects after irradiation. 373546
Dokshina, I.D.
Effect of ultrasonic treatment on the efficiency of electrical separation of niobium concentrates. (INIS-mf – 3914) 349383
Dokter, H.D.
Electron spin resonance of $LaBe_{13}$:Er:evidence for Er spin-spin exchange broadening. 363997
Electron spin resonance of Nd^{3+} and Gd^{3+} in cubic AB_2 Laves-phase intermetallic compounds. (INIS-mf – 4267) 377001
Dokuchaev, V.I.
Model of the "atmosphere" around a massive black hole. 369061
Star distribution in the vicinity of a massive black hole. 369060
Tidal disruption of stars and massive black hole evolution in the conditions of the galactic center. 374896
Dokuchaeva, V.A.
Damage to the edge of steel stampings and abrasive during ultrasonic hydroabrasive machining. 357215
Dolan, C.A.
Uranium accountability for ATR fuel fabrication: Part II. A computer simulation. (TREE – 1146) 363724
Dolan, J.E.
Productivity goals and regulatory trends: a case for reason. 363712
Dolan, J.F.
The high energy x-ray spectrum of the Crab Nebula observed from OSO 8. (N – 77 – 18987) 351000
The optical polarization of X-ray binaries. 372149
OSO-8 observations of Cygnus XR-1. 369062
Dolan, K.W.
Microchannel plate response to hard x-rays. (SAND – 77-8621) 361030
Dolan, S.P.
Gamma decay of the T=3/2 states in ^{25}Al. 356864
The lifetime of the 3907 keV state of ^{19}F. 353226
Dolan, T.J.
Cost estimate for electrostatically plugged cusp reactor. (UCID – 17568) 364190
Design of an electrostatic end-plugged plasma-confinement device. (UCRL – 79880) 368975
Overview of stoppering of open magnetic containment systems for controlled fusion. (EPRI-ER – 394-SR) 361557, 377427
Review of electrostatic plugging. (UCID – 17576) 358936
Dolbunova, A.V.
Some problems on a local shield calculation of technological installations with electron accelerators. (INIS-mf – 4194) 376362
Dolby, R.E.
Underclad cracking in nuclear vessel steels. 365802, 367079
Dolder, K.T.
Measurements of cross sections for the formation of He^{2+} ions by collisions between protons and He^+. 348721
Measurements of cross sections for the formation of Mg^{2+} ions by collisions between protons and Mg^+. 348722
Dole, M.
Hydrogen catalysis of alkyl radical decay in single crystalline polyethylene. 373081
Time independent diffusion controlled reaction rate constants. 362256
Dole, S.L.
Elastic properties of polycrystalline scandium and thulium sesquioxides. 362487
Dolejs, I.
Investigations on the mechanism of DNA excision repair in tissue culture cells. (SGAE – 2684) 354753
Dolejsi, D.A.
Thermal expansion of gadolinium in the vicinity of the Curie point. 362395
Dolezal, J.
Preparation of UO_2 dense spherical particles by the sol-gel technique. 367204
Dolezal, P.
Preparation of metallic uranium reference sample. II. 378712
Dolfini, R.
Application of the Hanbury-Brown and Twiss interferometry to the production of like pions in πsup(-)p collisions at 11.2 GeV/c. 353777
Study of A_2^-→etaπsup(-) in the reaction πsup(-)p→πsup(-)πsup(-)πsup(+)πdegp at 11.2 GeV/c. 369279
Dolgachev, G.I.
High-perveance electron-optical system with recuperation of electron energy. 360717

Dolgij, I.E.
Transformation of cyclopropane derivatives under tungsten halide influence. 378439
Dolgin, A.I.
Small-sized analyzer of low-energy photoelectrons. 371091
Dolginov, A.Z.
Generation of magnetic field and chemical composition non-uniformities of the peculiar stars. 374897
Induction magnetic field generation in a binary system. 369063
Orientation of cometary dust and polarization observations of comets. 351001
Possibility of study on the interplanetary magnetic field by zodiacol light circular polarization. 356216
Dolgolenko, A.G.
Experimental limittion on probability of the Ksub(L)→eta(480)+γ decay. (ITEF – 3) 353765
Dolgoplosk, B.A.
Transformation of cyclopropane derivatives under tungsten halide influence. 378439
Dolgopolova, G.M.
Determination of bismuth and lead in ferroniobium by the method of inversion voltammetry. 372910
On the "memory" effect and its relation to the mechanism of formation of mercury-graphite electrode in inversion voltammetry. 372908
Dolgoshein, B.A.
Direct muon production in proton-nucleus collisions at 70, 50 and 35 GeV. 353942
Longitudinal polarization measurements on direct muons produced in proton-nucleus collisions. 353925
Two-pulse power supply for a large streamer chamber. 358421
Dolgov, A.S.
To the theory of cathode sputtering at low energies. 374698
Dolgov, E.L.
Investigation of germanium iodide thermodynamic properties. 359647
Dolgov, V.V.
Development of methods of solidification and burial of radioactive wastes from the fuel cycle. 368405
Experience of operation of channels with uniflow generation of steam in the first APS reactor. 350238
The KS-KT-100 plant for two-stage vitrification of radioactive waste: results of tests with simulators. 358477
Dolidze, G.M.
Exoelectron emission (EEE) from surface of irradiated oxides 3. Method for analysis of complex spectra due to thermally stimulated EEE, using magnesium oxide as an example. 365047
Dolidze, V.M.
The neutron irradiation effect on intermetallic uranium-aluminium compounds at low temperatures. (KFTI – 75-35) 354617
Dolin, P.I.
Study of dynamic characteristics of conformation non-equilibrium states of hemoglobin and its complexes by the radiolysis method. 375684
Dolinina, I.P.
Rare-earth elements in calcites of carbonates of Turij peninsula (from the neutron activation analysis data). 349157
Dolinskaya, L.K.
Phase transformations in VT22M titanium base alloy during heat treatment. 351754
Dolinskij, Eh.I.
On model-independent spectroscopic information from direct reactions of nucleon transfer: spectroscopic factor or vertex constant. 369468
Dolken, G.
Radioimmunoassay for Epstein-Barr Virus (EBV)-associated Nuclear Antigen (EBNA). Binding of iodinated antibodies to antigen immobilized in polyacrylamide gel. 365488
Doll, B.
Safety catching device for pipes in missile shielding cylinders of nuclear power plants. (German (F.R.) patent document 2426557/C/) 355281
Doll, D.
Engineering features of an upgradable ignition test reactor. (GA-A – 14633) 372008
Engineering problems and design features of an ignition test reactor. (GA-A – 14650) 371818
Doll, D.W.
Control device for a nuclear reactor. (German (F.R.) patent document 2609231/A/) 355344
Doll, J.
A new method for automatic determination of circulation times in nuclear cardiology. 376188
Radiocardiography during first cardiac passage. (INIS-mf – 4010) 362822
Doll, P.
The mass and low-lying level structure of ^{17}C. 362083
A model for the strength function of deeply bound hole states. 372604
Spins of proton hole states from analyzing powers of (d, tau) reactions at 52 MeV. 369462
Strong effect of isospin mixing in ^{16}O. 364831
Doll, R.
Cancer mortality among patients with ankylosing spondylitis not given X-ray therapy. 352056
Dolle, L.
Tritium formation and elimination in light-water nuclear plants. 368136
Dolley, P.E.
Precise energy determination for three peak cross-sections in ^{23}Na and ^{27}Al and for the 250 keV resonance in ^{6}Li. (INIS-mf – 3897) 354216
Dollezhal, N.A.
IBR-2-the periodically pulsed reactor for neutron investigations. (INIS-mf – 3946) 356682
Dollezhal', N.A.
The development of uranium-graphite channel reactors in the USSR. 365902
Fundamental studies of system investigations in nuclear energetics. 380083
Nuclear energy centres and the economic and ecological problems of nuclear power development. 368445
Use of nuclear reactors to produce high-temperature heat for energy-intensive industrial processes. 366129
Dollfus, A.
Electrons in the solar corona. II. 353673
Dollins, C.C.
In-pile intragranular densification of oxide fuels (AWBA Development Program). (WAPD-TM – 1293) 379754
Dolomanskij, Yu.K.
Dynamic Hanle effect in He^3. 377183
Dolomonova, E.I.
Neutron activation analysis data of admixture-elements in sulphides of tin-ore fields. 351924
Doloy, M.T.
The use of chromosomic anomalies for the estimation of an accidental acute irradiation dose in man. 354802
Dolphin, G.W.
Radiation-induced chromosome damage in human lymphocytes. 360287
Dolukhanyan, S.K.
Combustion of transition metals in hydrogen. 357009
Dolya, G.P.
Application of the statistical model for analysis of (n, α) reaction cross-sections on ^{54}, ^{56}, ^{57}, ^{58}Fe and ^{58}, ^{60}, ^{62}Ni nuclei excited by fast neutrons. (INIS-mf – 3897) 356590
Differential and integral cross-sections of (n, α) reactions on sup(54,56,57,58)Fe and sup(58,60,62)Ni nuclei at neutron energy 14.7 MeV. (INIS-mf – 3897) 356747
Study on the (n,α) reaction on iron and nickel isotopes at neutron energies of 14,7 MeV. (KFTI – 75-15) 359474
Dolzhanskij, Yu.M.
Heat resisting titanium alloy. 375866
Dolzhenkov, I.E.
Mechano-thermal treatment of armco-iron. 349453
Dolzhikov, V.S.
Experimental selection of molecules for isotope separation by multiple-photon dissociation in an intense IR field. 364935
Domanov, V.P.
Chemical isolation of element 105 (nilsbohrium) as eka-tantalum in the form of anhydrous bromide. Pt. 2. 351629
The volatility of mendelevium and its binary compounds. (JINR-R – 6-10334) 378500
Domanska, M.
Investigation of iron doped $LiNbO_3$ crystals by electron paramagnetic resonance. 378247
Domanski, T.
Evaluation of radon and its daughter products concentration in the air using triacetate cellulose foils. 376043
Domanskij, A.I.
Study of the effect of anomalously weak quenching of Nd^{3+} ion luminescence in Lasub(1-x) Ndsub(x) P_5O_{14} crystals. 374600
Domanus, H.M.
Numerical results obtained from the three dimensional transient single phase version of the COMMIX computer code. (ANL-CT – 78-3) 373802
Resolution of geometrical configurations by a 3-D staggered mesh system. (ANL-CT – 77-10) 352461
Three-dimensional numerical simulation of LMFBR outlet plenum mixing. 352778
Domanus, J.C.
Application of radiographic paper to quality control of MTR fuel elements. 376598
Domarco, G.
A new technique for measuring a.c. losses in multifilament superconductors. 359971
Domashenko, A.D.
Action of an ionizing radiation and hydrodynamic effect on matrix properties of DNA during extracellular synthesis of RNA, and thiophosphate protection of matrix properties of T2-DNA against γ-radiation. 370322
The effect of gamma-radiation on the interaction of DNA with nuclear non-histone proteins. 352009
Domashevskij, B.N.
Flux-gate defectoscope with radio-pulse excitation. 357216
Domashnev, I.A.
Electrophysical properties of solid solutions in the TiN-[MnN] and VN-[MnN] systems. 354579
Dombeck, T.W.
Proposed neutron bottle for the Argonne pulsed neutron source and its application in the search for the neutron electric dipole moment. (ORO – 2504-267) 379489
Dombey, A.H.
Radiocesium dynamics in herons inhabiting a contaminated reservoir system. 370396
Dombey, N.
Pair production by pions. 366883
SU(2) x U(1): a gauge theory of weak interactions. 366922
Domchenkov, O.A.
Polarization in 1 GeV elastic proton scattering on carbon. 354133

Domcke, W.
Theory of the vibrational structure of resonances in electron-molecule scattering. 363883
Dome, G.
Longitudinal phenomena in the CERN SPS. 363168
Domeij, K.
Studies on the placental transfer in rats of ^{59}Fe- and ^{14}C-labelled iron-poly(sorbitol-gluconic acid) complex. 367586
Domine, J.D.
Irradiated concentrate of wax and special mixed polymers, its preparation and processing. (German (F.R.) patent document 2336745/B/) 367161
Domingo, V.
Influence of the magnetosheath on solar proton penetration into the magnetosphere. 364310
Dominguez, C.A.
Chiral anomalies and quark masses. 359244
Upper bound for the induced pseudoscalar form factor in muon capture. 351273
Dominguez, R.J.G.
The extraction of niobium(V) and tantalum(V) by octylarsinic acid in chloroform. 354295
Dominici, D.
A model for the supersymmetric relativistic oscillator. 363748
Dominique, P.
Water cooling in nuclear reactors by using panels of integrated circuits. 370817
Dommaschk, W.
Experiment Pustarex for collective acceleration of heavy ions in electron rings. 363133
Dommelen, C.V.K. van
The diagnostic value of pancreas scintigrams prepared with the aid of synthetic selenomethionine combined with duodenal scintigraphy. (INIS-mf – 4010) 367716
Dommke, J.
Activities of the TUV experts during the period of construction and commissioning of a nuclear power plant ordered by the licensing authorities of the FRG. (INIS-mf – 4062) 361177
Domnicz, A.
Exchange of radioactive phosphorus ^{32}P between the components of an artificial plant community. 367610
Domocos, V.C.
Synergic extraction of uranium from phosphate solutions with di-(2 ethylhexyl) phosphoric acid and tri-n-octylphosphine oxide. 369605
Domokos, C.
Algebraic approach to the quark problem. 361777
Domon, Kozo
Preventive method against corrosion of reactor piping. 379627
Domowitz, S.
Improvement of the diagnostic value of radionuclidic angiocardiography in babies by using rapid sequential scintigraphy and a new image display system ('Digiphot'). (INIS-mf – 4010) 362824
Volume curves of the left ventricle at rest and during excercise, determined with nuclear medicine methods. (INIS-mf – 4010) 362825
Domrachev, G.A.
Effect of additions on oxidation of zirconium borohydride. 373007
Domrin, V.I.
Stimulated raman scattering and penetration of an electromagnetic wave into an inhomogeneous plasma. 368950
Domyshev, V.A.
Crystal structure and magnetic properties of films of Sm, Gd and Tb compounds with 3d-metals of Laves phase type. 357265
On eutectoid decomposition of the $SmCo_5$ compound. 369933
Domzhal, M.
On the metasomatic uranium deposits in the Bohemian massif. 375976
Donagi, A.
Personnel monitoring in Israel during 1975. 355037
Donagi, A.E.
National supervision of radionuclide users in Israel. (INIS-mf – 4052) 373901
Donahue, T.M.
Ultraviolet spectrometer experiment for the Voyager mission. 374884
Donald, K.J.
Estimation of the migration of thoracic duct lymphocytes to non-lymphoid tissues. 365457
Donald, M.H.R.
Chromaticity correction in large storage rings. 363207
Donald, R.
Inclusive anti K^{*0} (890) production in π^-p interactions at 16 GeV/c. 356507
Observation of the reactions $\pi^-p \rightarrow$anti pd at 10 and 16 GeV/c. 372520
Donald, R.A.
Boson spin tests from sequential decays: spin-parity analysis of the F_1 meson. 377814
Evidence for a narrow width boson of mass 2.95 GeV. 372519
Production of phi and f' in 10 GeV/c K^-p interactions. 353959
The reaction antiproton-proton $\rightarrow 3\pi sup(-)\pi sup(+)$ between 1.09 and 1.44 GeV/c and the effect of $\pi\pi$ phase shifts. 369372
The slow proton trigger for the CERN OMEGA spectrometer. 368293
Donaldson, A.B.
Effective thermal diffusivity for a multimaterial composite laminate. 360050
Theory for in-situ thermal diffusivity measurement of thin films by a radial heat flow method. 373179
Donaldson, A.T.
The evaluation and comparison of creep parameters in α-phase zircaloy-2 from creep tests conducted at constant stress, constant load and constant pressure. (CEGB-RD/B/N – 4118) 365143
Donaldson, E.S.
Effect of pelvic inflammatory disease on enteric complications following radiation therapy for cervical cancer. 362711
Donaldson, R.
Fermi National Accelerator Laboratory monthly report, June 1977. (FERMILAB – 77/6) 363193
Donaldson, T.P.
Experiments on neodymium laser pulse interaction with slab targets in the picosecond regime. (INIS-mf – 3963) 372106
Resonance absorption of 1.06-μm laser radiation in laser-generated plasma. 366499
Donangelo, R.
The classical limit S-matrix and orbital dynamics in semi-classical Coulomb excitation theory. 377889
Donangelo, R.J.
Classical-limit S-matrix for heavy ion scattering. (LBL – 5825) 372605
Donath, A.
Measure of the relative local perfusion during the bone scintigraphy. (INIS-mf – 4010) 370491
Donath, F.A.
Summary of geologic review group meetings, July 21 – 22, 1977. (Y/OWI/TM – 18/3) 374430
Donath, G.
Determining the distribution coefficients of volatile alkalising agents between steam and water and their effects on the corrosion behaviour of materials in the water-steam cycle of power plants. 378248
Donati, D.R.
Cross sections, angular distributions, and magnetic substate populations in the ^{23}Na(n,n'γ) reaction. 364764
DoNati, J.R.
Carbon transfer between 2 1/4 Cr 1 Mo alloy and austenitic steels (experiments in anisothermal loops). (CONF-760503 – P2) 352718
Donato, A.
Incorporation of radioactive wastes in polymer impregnated cement. 358480
Doncals, R.A.
Transposition of fuel and blanket assemblies in LMFBR'S. (CONF-770611 – 17) 358284
Donckt, van der
Health. 380142
Donde, A.L.
Adsorption pump with the spherical cavity as a pumping element. (KFTI – 75-10) 352382
Dondes, S.
Direct measurement of the radiative lifetime and collisional quenching of the C^3II/sub u/ state of nitrogen as studied by pulsed radiolysis. 378506
Dondi, P.H.
Cancellation of infrared divergences in Yang-Mills theories. (WIS-Ph – 77/11) 366262
Donea, J.
Finite element solution of transient fluid-structure problems in Lagrangian coordinates. (CONF-761001 – P3) 365542
Doner, M.
Analysis of elevated temperature fatigue and creep crack growth. 351740
Donets, E.D.
"Krion-2" cryogenic electron-beam ion source. (JINR-R – 7-9799) 363208
Cryogenic source of polarized hydrogen and deuterium atoms. 370735
Production of nitrogen, oxygen, neon, and argon nuclei in the KRION-2 electron-beam ion source. (UCRL-Trans – 1540) 377002
The use of electron beam ion source 'KRION-1' to accelerate C, N, O and Ne at the JINR synchrophasotron. (JINR-R – 7-10823) 379517
Donev, I.
Quantitative investigation of some trace elements in renal stones by neutron activation analysis. 369538
Uranium determination in biological samples by means of solid state track detectors. 373609
Donev, I.Y.
Rapid homogenisation and drying of biological materials. 372850
Dong, R.G.
Comparing the LUSH code and current design methods for calculating structural loads in large pools. 357761
Seismic loads in modularized and unmodularized large pools located on hard or intermediate hard sites. 357762
Dongen, J. van
Suppression of the superconductivity in PdH by magnetic impurities. (INIS-mf – 4267) 377684
Donhoffer, D.
Purification of drinking water from radioactive contamination by final consumers by means of combined cation and anion exchangers. (SGAE – 2777) 373757
Donhoffer, D.K.
A low-cost XRF system for on-stream analysis of slurries. 376691
Preparatory studies for the on-line determination of zinc content in zinc ore slurries by radioisotope excited X-ray fluorescence. (SGAE – 2692) 355102
Doniach, S.
Possibility of surface ferromagnetism for liquid ^{3}He in confined

geometries. 351104
Donichkin, A.G.
Determination of some product yields in ^{252}Cf fission by means of measurement of soft electromagnetic radiation. (INIS-mf – 3896) 356748
Doninck, W. van
An analysis of the Gargamelle freon data concerning pion production by the weak neutral current. 361890
Donink, W. van
Search for strangeness changing neutral currents induced by neutrinos in GARGAMELLE. 361875
Donkov, D.A.
Short range particle interaction and a fundamental length. (JINR-D – 2-9788) 374556
Donlon, W.T.
Application of high-resolution TEM to ceramic science. 373300
Donnachie, A.
Non-diffractive photoproduction of vector mesons. 353784
Tensor meson couplings and other results in restricted SU(4). 356457
Donndorf, H.M.
Co-operative ventures with developing countries – an assessment of recent experience. 358558
Donnelly, H.
VISA: a method for evaluating the performance of integrated safeguards systems at nuclear facilities. (NUREG – 0317(Vol.1)) 363725, 363726
Donnelly, J.A.
414 integrated protection system prototype verification program. (WCAP – 9154) 363458
Donnelly, R.J.
Need for more precise thermodynamic and neutron scattering data on liquid helium. 364442
Theory of temperature-dependent energy levels: Thermodynamic properties of He II. 351112
Donnelly, T.W.
Contributions of meson-exchange currents to inelastic electron scattering. (INIS-mf – 4267) 377725
Neutrino reactions in the mass-37 system. 354060
Donner, L.
Serum thrombopoietic activity following administration of vinblastine. 354851
Donnert, H.J.
Thermoluminescence related Z centers in LiF:Mg, Ti. 371642
Donoghue, J.F.
Weak nonleptonic interactions. 372400
Donoghue, J.K.
Safety aspects of a fuel reprocessing plant. 370546
Donohue, D.E.
Electron-impact excitation of helium: Cross sections, n, and l distributions of high Rydberg states. 350677
Donohue, J.T.
Model-independent analysis of the reaction $\pi^+p \rightarrow \pi^+\pi^-\Delta^{++}$. 369369
Donohue, T.
Laser induced separation of the lanthanides in the liquid state. 367080
Photochemical separation of europium from lanthanide mixtures in aqueous solution. 369539
Donoso, J.R.
Static strain-aging in commercial purity alpha titanium. 357266
Donovan, J.A.
Factors controlling nitrate cracking of mild steel. (DP-MS – 77-53) 362295
Materials aspects of SRP waste storage: corrosion and mechanical failure. (DP – 1476) 380041
Donskov, S.V.
Measurement of $\pi^-p \rightarrow \pi^0n$ at large momentum transfer. 372503
Observation of a meson $X \rightarrow 2\gamma$, with mass 2.85 GeV/c^2, produced in the charge-exchange reaction $\pi^-p \rightarrow Xn$ at 40 Gev/c. 377780
Reaction $\pi^-p \rightarrow X$ deg n, X deg $\rightarrow 2\gamma$ at momenta 15 and 40 GeV/c. (IFVE-SEF – 74-118) 356483
Study of the reaction $K^-p \rightarrow$anti K^0n at momenta of 25 and 40 GeV/c. 356482
Dontsov, S.N.
Effect of temperature and deformation on the plasticity and specific pressure in the course of lanthanum rolling. (INIS-mf – 3839) 367211
Nitrides in the lanthanum, yttrium, neodymium structure. (INIS-mf – 3839) 367241
Yttrium interaction with 1Kh18N9T steel at elevated temperatures. (INIS-mf – 3839) 365144
Dontsova, G.V.
The nature of variations in the radioresistance of sea urchin eggs in the early embryogenesis. 354741
Dooher, J.
J/psi production and high-mass electron-pair limit in pp collisions at square-roots = 52 GeV. 364461
Doolittle, R.D.
Assessment of the performance of a conceptual acoustic surveillance system for anomalous events in LMFBRs. (CONF-771023 – 13) 374242
Doorenbos, H.
Autoimmune antibodies against T_3. (INIS-mf – 4010) 370506
Pitfalls in diagnosis of thyroid disease. (INIS-mf – 4010) 370467
Doornbos, J.
Coplanar and noncoplanar experiments on the reaction H(d, pp)n at Esub(d) = 12.9 MeV. 367004
Dopita, M.A.
The Hα/[NII] ratio in supernova remnants-evidence for grain destruction. 351002
Dora, D.
Construction and measurement possibilities of Moessbauer spectrometer type N-255. (INIS-mf – 4015) 374309
Dorabialska, A.
Coefficients of tracer transfer through membranes. Pt. 7. 355113
Doran, D.G.
Damage correlation in theory and practice. (HEDL-SA – 1144-A) 363395
Doran, N.J.
The electronic susceptibility and charge density waves in 2H layer compounds. 377185
A tight binding fit to the bandstructure of 2H-$NbSe_2$ and NbS_2. 377184
Dordrecht, A. van
A burst length discrimination system for a gas scintillation proportional counter. 358374
Dorelon, A.
Collisional angular momentum transfer in Rydberg states of helium. 355872
Doremus, R.H.
Synthesis and evaluation of doped Y_2O_3-stabilized for the production of hydrogen. 357351
Doretti, L.
Adducts of uranium tetrachloride with neutral Schiff bases. 357094
Preparation and properties of mononuclear and binuclear uranyl(VI), thorium(IV) and transition d ions complexes with multidentate Schiff bases. 359763
Dorfan, J.
K^0 production in e^+e^- annihilation. 353983
Properties of the proposed tau charged lepton. 356517
Spin analysis of charmed mesons produced in e^+e^- annihilation. 351228
Dorfan, J.M.
D meson production and decay in e^+e^- annihilation at 4.03 and 4.41 GeV c.m. energy. 353989
Electron-muon and electron-hadron production in e^+e^- collisions. 366879
A search for neutral heavy leptons. 356514
Dorfman, L.M.
Formation of carbonium ions, carbanions and carbanion-pairs in irradiated solutions, and the reactivity of these intermediates. 357145
Pulse radiolysis studies of fast reactions in molecular systems. Progress report, November 1976 – October 1977. (COO – 1763-53) 373044
Dorfman, Ya.A.
Effect of electrolytes of the rate of iodine (5) reduction with phosphine. 378249
Reduction of iodate-ion by phosphine catalyzed by molybdenum (6). 369617
Doria, F.A.
External algebra and particles of total spin. 363769
Hestenes algebra and their generalizations. 363768
Dorman, I.V.
Cosmic ray interaction with magnetized plasma (propagation, modulation, acceleration). 356177
Dorman, L.I.
Cosmic ray interaction with magnetized plasma (propagation, modulation, acceleration). 356177
Cosmic ray kinetics in space. 353674
Determination of delay time of cosmic radiation relative to helio-latitudinal index changes of solar activity. 356219
Development of ground methods for investigation of cosmic ray variations. 357525
Small-scale structure of solar corpuscular fluxes and cosmic ray fluctuations. 356217
Study on electromagnetic conditions in the interplanetary space by means of cosmic rays. 356186
Transport range of cosmic rays depending on inhomogeneity types and their spectra. 356218
Dorman, R.G.
Filter testing by the manufacturer and in the laboratory. 360500
Filtration theory. 360496
The sodium chloride aerosol test for high efficiency air filter installations. 360497
Dormandy, K.M.
Immune complexes and abnormal liver function in haemophilia. 373616
Dormann, E.
Investigation of ^{139}La NMR in Lasub(1-x)Gdsub(x)Zn and Lasub(1-x)Gdsub(x)Ag. 362406
Dormidontov, N.P.
Circulation evolution in a secondary coolant circuit of a nuclear power reactor model while sturting-up. (FEI – 615) 358037
Flow rate distribution over parallel channels in the model of water-water reactor with natural circulation. (FEI – 616) 358215
Dormuth, K.W.
A study of the running-in period of a CANDU-PHW thorium converter. (AECL – 5391) 360764
Dorn, L.
Detection of the rate of damage of structural steel by fatigue testing with instrumentation. 365145
Dornan, P.J.
Study of the reactions $K^-p \rightarrow K^+K^-\Lambda$ and $Kp \rightarrow$panti $p\Lambda$, at 10 and 16 GeV/c. 353978
Dorner, H.
Nuclear power plant. (German (F.R.) patent document 2258226/B/) 350194
Nuclear reactor plant. 355270, 355387

Nuclear reactor. 355386
Dorner, S.
Post-accident heat removal for gas cooled fast reactors. (CONF-761001 – P4) 362895
Dorning, J.J.
Local Green's function method for the numerical solution of heat conduction and fluid flow problems. 363101
NE-213 neutron spectrometry system for measurements from 1.0 to 20 MeV. 355536
Smoothing and extrapolation techniques for reactor kinetics. 374124
Doroba, K.
High multiplicity π^-d interactions at 21 GeV/c. 356503
Inclusive yields and transverse spectra of non-strange mesons. 353853
A study of direct and indirect pion production in π^+p interactions at 16 GeV/c. 377804
Dorobantu, I.A.
On the phenomenological theory of the coherent radiation of atom-coupled-to-field systems. 355745
Dorobantu, V.T.
The determination of the lifetimes of nuclear excited states by means of the methods based on the recoil motion of the nuclei. The recoil distance method. 377927
Lifetime determinations of the nuclear excited states by Doppler shift attenuation method. 377874
Lifetime measurements in Li^7 and Be^7. 356749
A theoretical approach to Doppler shift lifetime measurements. 377873
Dorofeev, G.A.
Certain peculiarities of the carbon behaviour in preeutectic steel following electroslag remelting. 357318
Dorofeev, G.L.
Study on rhosub(f)(H,T) in type-2 superconductors. (JINR – 8-8015) 349047
Dorokhin, N.N.
Optimization of an intensive beam passing through the critical energy in a proton synchrotron. 357955
Dorokhina, M.N.
Production of sodium sulfatozirconate from baddeleyite concentrate. 375484
Dorokhov, V.A.
Organic boron compounds. 364941
2-Pyrimidinylaminodialkylboranes. 378250
Dorokhov, V.P.
Hydraulic manipulator. (Soviet patent document 458430/A/) 376342
Dorokhov, V.V.
Mass measurement of Zn, Ga, Ge, As, Se stable isotopes. 374607
Mass-spectrographic method for molecule, atom and ion energy measurements in elementar interactions. (SFTI – 1) 358417
Dorokhova, E.N.
Investigation into kinetic of extraction of silicomolybdic acid by tri-octylamine. 375444
Dorokhova, G.A.
Mass measurement of Zn, Ga, Ge, As, Se stable isotopes. 374607
Dorokhovich, V.P.
Interaction of silicon carbide filaments with the matrix of a complex nickel alloy. 370088
Doronin, E.V.
Structure and some properties of chromium-nickel-manganese steels containing nitrogen after plasma arc remelting. 365146
Doronin, I.V.
On development of heat resisting composite material matrices operating at a temperature of 1100 deg C. 357330
On the optimization of the regime of thermomechanical treatment of 5Kh20N4AG9 steel. 359913
Plastic deformation effect on reverse martensite transformation in the 15Kh15N5AM3 steel. 369927
Structure and properties of fiber composite material-heat resisting nickel base alloy reinforced with tungsten fibers. 359987
Structure and some properties of chromium-nickel-manganese steels containing nitrogen after plasma arc remelting. 365146
Superplasticity of the alloy-Kh20N80 during heat resistance testing. 349454
Thermomechanical treatment of the Kh15N5AM3 maraging stainless steel. 357267
Doronin, V.M.
Quality of high-speed steel of huge electroslag ingots. 349455
Doronina, E.V.
On the optimization of the regime of thermomechanical treatment of 5Kh20N4AG9 steel. 359913
Doronkina, A.A.
Glass-phase crystallization effect on ceramics welding to metals. 369867
Doroshenko, J.J.
New methods for measuring neutron spectra with energy from 0.4 eV to 10 MeV by track and activation detectors. 363558
Doroshenko, P.A.
Technique for determining relaxation resistance of metals and alloys. 373180
Doroshenko, V.N.
Action of fast electrons on crystallizable polymers in heterogeneous systems. 369785
Investigation of filled polyethylene radiolysis at room temperature. 349346
Particularities of solid body effect on transformations in heterogeneous systems. 373088
Role of active centers of solids in radiation chemical transformations of heterogeneous systems. 373094
Doroshenko, V.P.
Study of increasing the fatigue resistance of steels and welded joints using ultrasonic method on samples with neck or thread type notches. (INIS-mf – 3914) 349438
Doroshenko, V.T.
The spectra of galaxies with high surface brightness. 374898
Doroshev, V.D.
Magnetic field effect on critical behaviour of $FeBO_3$ weak ferromagnet susceptibility. 374699
Nuclear magnetic resonance investigation of spin reorientation phase transitions in Yttrium-Terbium ferrite garnets. 355962
Study on spin-reorientation phase transformation in samarium ferrite garnet by static and NMR methods. 350713
Doroshkevich, A.G.
A mean density and a correlation function of rich clusters: theory and observations. 374899
Dorozhkin, A.A.
Auger electrons in energy spectra of ion-electron emission. (INIS-mf – 3996) 363998
Dorozhko, E.V.
Optical absorption of vanadium pentoxide in the 1.0-5.5 eV energy range. 374700
Optical absorption of VO_2 and V_2O_3 films and possibility of forecasting semiconductor-semimetal phase transformations in transition metal compounds. 374701
Dorozhko, S.P.
Ion exchange properties of Y zeolite. Exchange with magnesium, zinc, cadmium, manganese, yttrium cations in aqueous solutions. 378382
Dorr, B.
Recent results of a local blockage experiment in a sodium cooled electrically heated bundle. (CONF-761001 – P4) 362898
Dors, C.L.
High-spin level structure of ^{188}Pt. (ZfK – 336) 364758
Dorsaz, P.A.
Amplitudes and exchange mechanisms for K* resonances produced by the reactions $K^+p \rightarrow K^{*+}p$ at 10 GeV/c. 356488
Dorschner, J.
Enrichment of heavy elements in the galaxy. 351003
Dorset, D.L.
Continuous diffuse electron scattering from polymethylene compounds. 374702
Electron diffraction intensities from slightly bent multilayer paraffinic crystals. 374703
Dorst, D.
On sawtooth oscillations and MHD modes in the W VII A stellarator. (INIS-mf – 3963) 371780
Dort, M.A. Van
Polarized electrons and the origin of optical activity. 371465
Dorth, W.
A detector for high-energy neutrino interactions. 379899
Is there a high-y anomaly in antineutrino interactions. 351222
Like-sign dimuon events produced in narrow-band neutrino and antineutrino beams. 356512
Measurement of the neutral to charged current cross section ratio in neutrino and antineutrino interactions. 361888
Observation of a neutrino event with four energetic muons. 372525
Observation of trimuon events produced in neutrino and antineutrino interactions. 356511
Study of inclusive neutral current interactions of neutrinos and antineutrinos. 369377
Dory, R.A.
Application of ideal MHD stability code Erato to high beta tokamak equilibria. (INIS-mf – 3963) 371819
ELMO Bumpy Torus. (CONF-771109 – 57) 377381, 377382
Dorzh, L.
Principles of organization and the structure of the module system of programmes for data processing. 361218
Dosch, G.
New information about the kaon-nucleon-hyperon coupling constants g(anti KNΣ(1197)), g(anti KNΣ(1385)) and g(anti KNΛ(1405)). 356497
Dosch, H.G.
Structure of hadron in Migdal's regularization scheme for QCD. 364491
Ultralocal static field theory with imaginary bare mass. 355752
Dosch, R.G.
Preparation and structural studies of the hydrolysis products of titanium, niobium and zirconium alkoxides. (SAND – 76-0556) 359674
The Sandia solidification process – A broad range aqueous waste solidification method. 358492
Doschek, G.A.
Expansion velocities of laser-produced plasmas determined from extreme ultraviolet spectral line profiles. 358940
Laser-matter interaction studies at NRL. 372038
On the highly directional expansion of laser-produced plasmas. 366528
XUV spectra of the 1973 June 15 solar flare observed from Skylab. II. Intersystem and forbidden transitions in transition zone and coronal ions. 351008
Doschok, G.A.
Experimental studies of the physics of laser fusion. 377542
Doser, M.
Hydrogen atmosphere sintering of RCo_5 magnets. 357217
Doshi, G.R.
Studies on adsorbents for uranium from sea water. 375657
Doshi, J.B.
Role of wall heat transfer and other system variables on fuel compaction and recriticality. (CONF-761001 – P3) 365539

Space – time dynamics of a fast breeder reactor for localized disturbances. 362903
Doshi, N.
The Dhajala meteorite shower: atmospheric fragmentation and ablation based on cosmic ray track studies. 350977
Doshi, P.K.
Augmented startup and cycle 1 physics program supplement 2. (WCAP – 8576(Suppl.2)) 363464
Dospekhova, N.N.
Electrochemical properties of titanium-ruthenium alloys in the processes of anodic synthesis. 378411
Dossett, A.J.
A study of some features of the ultra high vacuum systems for EPIC. (RL – 77-038-B) 365741
Dost, M.
Electron relativistic effects in the K-shell ionization of Z = 50-83 atoms by 9-155 MeV alpha particles. 377003
Ionization probability at zero impact parameter of 7 MeV protons on molybdenum, tin and gold. 377106
Dostal, O.
Equipment for broken ore transport from stopes, mainly for radioactive ore transport. (Czechoslovak patent document 158487/B/) 370260
Dostal', V.A.
Physical characteristics of four interacting galaxies and one pure ring galaxy with nucleus. 374900
Dostatni, A.W.
Heat exchanger. 360912
Dostatni, Michel
Heat exchanger. 360912
Dostov, A.I.
Transient processes in case of reactor main circulating pump cutting out. (ITEF – 89) 376455
Dote, Toshihiko
Problems in measurement of electron energy distribution in space plasma with a probe. 368269
Dotsenko, Yu.V.
Polarization in 1 GeV elastic proton scattering on carbon. 354133
Dotterer, F.E.
Preliminary study of the favorability for uranium in the Madera Limestone, and Cutler and Chinle Formations of the Sierra Nacimiento-Jemez Mountains area, New Mexico. (GJBX – 4(78)) 378885
Doty, J.P.
Observations of Cygnus X-3 from a balloon-borne x-ray telescope. (CONF-7510169 –) 364396
Doty, J.W. Jr.
Status of ERDA TRU waste packaging study. (SAND – 77-1178) 374391
Doty, R.L.
Comments on 'Gamma-ray activity in bituminous, subbituminous and lignite coals', by D.E. Barber and H.R. Giorgio. 360139
Doub, W.H. Jr.
Tissue-sequestered group III-A metals: dilute, high temperature NH_4SCN for simultaneous measurement of In and Ga by phase-selective stripping voltammetry. 372903
Doub, W.O.
Financial aspects of energy policy for developing countries. 352533
Doucette, C.O.
ECC performance during loss-of-coolant experiments in a small pressurized water reactor. 357763
Douchez, J.
Influence of calcium heparinate on the radiation-induced regression of metastatic cervical adenocarcinomas. Methodological approaches and preliminary results. 379050
Dougan, P.
Photo-protons from beryllium irradiated with intermediate energy Bremsstrahlung. 375170
Dougar-Jabon, V.D.
Low pressure discharge at ECR in the magnetic bottle. (INIS-mf – 3963) 371820
Dougherty, E.
Characteristic vibrational coupling behavior of intermolecular potentials. 368624
Dougherty, J.E.
Summary of indicators of Nth country weapon development programs. (LA – 6904-MS) 380118
Douglas, F.C.
Processing eutectics in space. Final report, Jun 1973 – Jan 1977. (N – 77-23134) 362396
Douglas, J.A.
A two temperature readout of thermoluminescent LiF, its properties and uses for personnel dosimetry. 355551
Douglas, J.N.
Interim report on the Texas survey. 366687
Douglas, R.A.
Measurement of relative cross section for the activation of rhodium with neutrons. 354204
Measuring of differential cross section of the $^7Li(p,n)^7Be$ (4,53 MeV)*. 364757
Study of the reactions $^7Li(p,n)^7Be$ with a time-of-flight system. 354276
Douglas, T.B.
The melting temperature, vapor density, and vapor pressure of molybdenum pentafluoride. 364967
Thermodynamic properties of molybdenum pentafluoride vapor. 364942
Douglass, C.H.
Dynamics of the reaction $D^+_2 + O(^3P) \rightarrow OD^+ + D$, and the influence of the atomic quadrupole moment on the cross section at very low kinetic energies. 350652
Dynamics of the reaction $H^+_2 + H_2 \rightarrow H^+_3 + H$, with isotopic variations. 368625
Douglass, D.H.
Superconductivity in d- and f-band metals. 373187
Doukhan, J.C.
Induced acceptor levels and free-carrier mobility due to c-screw dislocations in tellurium. 370155
Doulade, C.
A $1m^2$ gamma ray spark chamber telescope for the energy range 10-100 MeV. 379929
Dousse, J.C.
Precision measurement of the 3d-2p transition energy in muonic Mg, Si, P, by crystal spectrometer. 376954
Dousson, S.
A multicharged ion source for metallic vapours. 379375
Douthat, D.A.
Electron energy degradation in molecular hydrogen. (ANL – 76-88(Pt.1)) 361352
Doutovich, D.P.
Electrochemical monitoring of carbon steel corrosion in heavy water production. 359826
Iron sulfide coatings to reduce hydrogen damage in H_2S environments. 359824
Dovator, N.A.
Observation of radio-frequency coherency on excitation of hyperfine structure transitions in optically oriented atoms. 377141
Dove, R.C.
Scaling laws for HTGR core block seismic response. (LA-UR – 77-2010) 362904
Seismic response of block-type nuclear reactor core. (LA-UR – 77-218) 352668
Ventilation systems analysis during tornado conditions. Progress report, October 1, 1976 – April 30, 1977. (LA – 6999-PR) 373887
Dover, C.B.
Bound states of charmed baryons and antibaryons. 359245
Interaction of K^+ mesons with nuclei. (ORO – 5126-20) 361787, 364682
Kaon-nucleus physics at low and medium energies. (BNL – 22844) 377875
Physics of nucleon – antinucleon systems. (BNL – 22835) 351152
Role of the Pauli principle in pion – nucleus scattering. (BNL – 22834) 359388
Dovgal', Yu.G.
Investigating cavitation and cavitation-fatigue strength of alloys and metals at high-frequency loading. (INIS-mf – 3914) 349367
Methods for studying the cavitation-fatique strength of metals under ultrasonic frequency of loading in surfactants and at elevated pressure. (INIS-mf – 3914) 350100
Dovgoshej, N.I.
Composition of molecular beams formed during the evaporation of antimony sulphoiodide. 349256
Dovgyallo, I.G.
Investigation into growth kinetics and quality of 40Kh steel diffusion layer in the process of liquid nitriding with ultrasonic oscillation pile use up. (INIS-mf – 4046) 369856
Dovletov, K.
Investigation into electrophysical properties of $GaSnTe_2$, Ga_2SnTe_3, $Ga_3Sn_7Te_{10}$ in solid and liquid states. 354331
Dow, J.D.
Nitrogen isoelectronic trap in GaAs/sub 1-x/P/sub x/: II. Model calculation of the electronic states N/sub Gamma/and N/sub x/ at low temperture. 359827
Dowd, J.P.
Comparison of the line-reversed channels p-barp $\rightarrow \pi^-\pi^+$ and $\pi^+p \rightarrow p\pi^+$ at 6 GeV/c. 351232
Measurement of the line-reversed reactions p-barp $\rightarrow \pi^-$rho$^-$ and $\pi^-p \rightarrow$ prho$^-$ at 6 GeV/c. 369376
Dowdy, E.J.
Photofission studies with monoenergetic photons. (BNL-NCS – 22500) 364746
Reduced variance multiplication meter for plutonium sample verification and assay applications. 380119
Dowell, D.A.
Citizens' views about the proposed Hartsville Nuclear Power Plant: a survey of residents' perceptions in August 1975. (ORNL/TM – 5801) 349904
Dowell, J.D.
$f^0(1270)$ production in the reaction $\pi^-p \rightarrow \pi^+\pi^-n$ at 12 and 15 GeV/c. 372501
K^-n elastic scattering between 610 and 840 MeV/c. 356502
New data on the $\pi^+\pi^-$ angular distribution in the mass range 0.82-2.2 GeV/c^2. (RL – 77-074/A) 375070
A partial wave analysis of the neutral (3π) – system produced in the reaction $\pi^-p \rightarrow (\pi^-\pi^0)$ n at 12 and 15 GeV/c. (RL – 77-139-A) 364485
Production of A_2^0 and ω^* (1675) in the reaction $\pi^-p \rightarrow \pi^+\pi^-\pi^0n$ at 12 and 15 GeV/c. (RL – 77-097/A) 356499
Dower, R.
Positions of galactic X-ray sources Cir X-1, TrA X-1 and 3U1626-67. 350986
Dower, R.G.
Discovery of an X-ray QSO. 366741
Positions of galactic X-ray sources: $0^0 <$ lsup(II) $< 20^0$. 364311
Positions of galactic X-ray sources: $320^0 <$ lsup(II) $< 340^0$. 369019
Dowgiallo, J.
The isotopic composition of carbon in mineral waters of the Polish Flysch Carpathians. 365303

Dowker, J.S.
Another discussion of the axial vector anomaly and the index theory. 374557
Dowling, A.R.
The effect of defects on structural failure: A two-criteria approach. (IAEA – 189) 360801
Down, M.E.
Analysis of the methods available for the removal of sodium from corrosion test samples. (CONF-760503 – P2) 352719
Downes, H.E.P.
Report to the New Zealand Government of the Fact Finding Group on Nuclear Power. 367739
Downing, J.
Experimental study of magnetic field diffusion in a high-plasma of a 7 m theta-pinch at low densities. (INIS-mf – 3963) 371891
Downs, G.L.
SEM facility for examination of reactive and radioactive materials. 370727
Downs, R.B.
Production of RCo_5 and R_2Co_7 powders by the R/D process. 357221
Dowy, E.J.
Experience with the helium afterglow impurities monitor at the Ft. St. Vrain Nuclear Power Station. (LA-UR – 77-1977) 363469
Doxsey, R.
Detection of X-ray emission from 3C 120. 351079
Doxsey, R.E.
Discovery of an X-ray QSO. 366741
Optical candidates for two X-ray bursters and an X-ray pulsar. 359128
Positions of galactic X-ray sources Cir X-1, TrA X-1 and 3U1626-67. 350986
Positions of galactic X-ray sources: $0^0 <$ lsup(II) $< 20^0$. 364311
Positions of galactic X-ray sources: $320^0 <$ lsup(II) $< 340^0$. 369019
Positions of three X-ray burst sources. 359105
Doyama, M.
Positrons as the probe of phase transformations in Cu-Mn alloy. 374708
Doyama, Masao
An isochronal annealing study of deformed copper by means of positron lifetime. 353435
Doyle, B.L.
Absolute C K x-ray production cross sections for 18 – 26-MeV protons on thin carbon foils. 350577
Projectile K x rays from Si^{12+} ions in the 1s2s $^3S_1$ metastable state incident on helium gas. 358819
Doyle, T.J.
Proposed Standard ANS 3.4: medical certification and monitoring personnel requiring operating licensing for nuclear power plants. (EPRI-SR – 28) 352217
Dozier, C.M.
Laser-matter interaction studies at NRL. 372038
Dozortseva, R.L.
Time dependence of the yield of chromosome mutations and free radicals in γ-irradiated dry seeds. 370333
Draayer, J.P.
Strength distributions and statistical spectroscopy II. Shell-model comparisons. 359390
Strength distributions and statistical spectroscopy. I. General theory. 359389
Drabkin, G.M.
Polarizing mirror. (Soviet patent document 437470/A/) 375079
Drabkin, I.A.
The Cherenkov differential counter in a secondary particle beam on the ITEP modified accelerators. (ITEF – 41) 350282
Drachev, B.V.
Radiation graft of monomer to cotton fabric by means of an electron accelerator. 367162
Drachman, R.J.
Annihilation during positron-hydrogen collisions: Addendum and erratum. 363872
Dracoulis, G.D.
Band crossing in ^{172}HF. (ANU-P – 691) 372828
Decoupled two-quasiparticle bands and backbending in ^{174}W and ^{172}Hf. 356750
Decoupled 2-quasiparticle bands and backbending in ^{174}W and ^{172}Hf. (ANU-P – 679) 356591
High spin states and two-quasiparticle structure in ^{172}Hf. (ANU-P – 683) 356919
High spin states in ^{172}W, ^{174}W and ^{176}W studied by (^{16}O,xn) reactions: decoupled quasiparticle bands and backbending. (ANU-P – 674) 362054
High-spin states and two-quasiparticle structure in ^{172}Hf. 372829
Yrast cascades in sup(174,175)W and ^{161}Yb and a possible dipole component. (ANU-P – 687) 356845
Draganovicj, B.
Radiation hygiene of animal production in normal and emergency situations. 370369
Dragiev, M.
Morphometric electron microscopy study of changes in endometrial epithelial cells after irradiation with a dose of 1,000 rads. 379023
Dragila, R.
The absorption and reflection of solid pellets irradiated by laser light. 377392
Computational study of some radiation and nuclear processes in laser-induced plasmas. (INIS-mf – 3963) 371825
Drago, F.C.
The filament-corona transition region from OSO-VI EUV observations. 372150
Drago, J.P.
Development, design, and preliminary operation of a resin-feed processing facility for resin-based HTGR fuels. (ORNL/TM – 6061) 378467
Preliminary assessment of partitioning and transmutation as a radioactive waste management concept. (ORNL/TM – 5808) 368365
Drago, V.
Moessbauer spectroscopy in some irradiated laminar silicates. 350724
Dragoumis, P.
Scylla, Charaybdis, and the U.S. Nuclear Power Program. 361137
Dragoun, O.
Contribution of M, N,... atomic shells to total internal conversion coefficients for transition energies above 500 keV. 354061
Nuclear structure effect in internal conversion of the 166 keV hindered M1 transition in ^{139}La. 377933
Nuclear structure effect on the internal conversion of the 166 keV transition in ^{139}La. 354106
Dragt, J.B.
Adjusted neutron spectra of STEK cores for reactivity calculations. (ECN – 35) 376407
Dragunova, A.V.
On selective absorption in stars of spectral class M. I. The influence of the blanketing effect on stellar magnitudes; the integrated blocking coefficient. 351034
Dragunova, L.A.
Design and testing of a unified range of packaging assemblies for transporting gamma radiation sources. 350036
Draine, B.T.
Intensity of interstellar Lyman alpha. 374901
Drake, D.M.
Double-differential beryllium neutron cross sections at incident neutron energies of 5.9, 10.1, and 14.2 MeV. 372739
Fast neutron capture cross sections of ^{169}Tm, ^{191}Ir, ^{193}Ir, and ^{175}Lu for 3 less than or equal to E/sub n/ less than or equal to 2000 keV. (LA – 7024-MS) 378032
H(t,n)^{3}He reaction for depth profiling of hydrogen by neutron time-of-flight. (UCRL – 79201(Rev.1)) 351245, 356938
Neutron cross section programs in the energy region from 1 to 24 MeV at the LASL Van de Graaff Facilities. (LA-UR – 1028) 361954
Radiative capture of fast neutrons by ^{89}Y and ^{140}Ce. 377970
Drake, J.F.
Kinetic theory of tearing instabilities. 350832
Nonlinear evolution of collisionless and semicollisional tearing modes. 350831
Survey of interstellar molecular hydrogen. I. 351074
Drake, J.R.
Electron temperature measurements in a dense plasma using a self-swept double probe. (TRITA-PFU – 77-05) 361525
Probe measurements in a shearless high-beta plasma surrounded by a gas blanket. (INIS-mf – 3963) 371821
Drake, S.
The wavelength dependence of ultraviolet inactivation of host capacity in a mammalian cell-virus system. 357555
Drake, T.E.
Electrofission of ^{206}Pb, ^{207}Pb, and ^{208}Pb. 351380
Drakin, S.I.
Thermodynamic properties of waterless nitrates of some bivalent metals. 359594
Drakova, D.R.
EHM investigation of hydrogen adsorption on model nickel substrates. 374745
Dran, J.C.
Fission track dating of quartz grains from the Oklo uranium ore deposit. 367361
Drane, J.B.
Oral complications of cancer radiotherapy. 360282
Drapak, Z.T.
Temperature dependences for electric properties of the (PbSe)sub(1-x)(SnTe)sub(x) solid solutions. 349300
Drapchinskij, L.V.
Determination of neutron mean number on fission event of ^{252}Cf. (INIS-mf – 3896) 357875
Draper, E.L. Jr.
Reactor safety. 373803
Drapkin, B.M.
On limiting values of elastic modulus of metals. 369928
Draskovic, R.
Determination of some trace elements in some human concretions. 369548
Draskovic, R.J.
Determination of some trace elements in different organs of normal rats. 369553
Draskovic, R.S.
Determination of some trace elements in different organs of normal rats. 369553
Draugelates, U.
Impact of the welding structure on the oscillations of unalloyed and high-alloy structural steels. 354507
Drauschke, W.
Investigation of the resorption and retention of radioactive sulfur in albino rats after administration of 3,5-dibenzyl-2-thiono-1,3,5-tetrahydrothiadiazine (D 47) as a synthetic mustard-oil-forming substance labelled with ^{35}S. 354836
Drawbridge, B.L.
Modified variable trajectory puff advection model for airborne effluents. 378934

Drawe, H.
Radiation chemical applications in the atmospheric chemistry. 365053
Dray, F.
Endorplims in several regions of rat brain: large differences between radioimmunoassay and radioreceptor assay. 354946
Radioimmunoassay for tubulin detection. 362799
Drechsel, D.
The asymmetric two-center shell model and mass distribution in fission. 354088
Electronuclear sum rules. 349108
A microscopic study of the dipole giant resonance in fissioning nuclei. 377932
Drechsler, G.
Liquid alkali metal cooling and heat transfer agent of high purity. (German (F.R.) patent document 1601196/B/) 351674
Drechsler, M.
Adsorption, diffusion and self-diffusion on tungsten surfaces with adsorbed palladium. 378718
Drechsler, W.
Currents in a theory of strong interaction based on a fiber bundle geometry. 351153
Wave equations for extended hadrons. 353791
Dreesen, D.R.
Geology and hydrology in the vicinity of the inactive uranium mill tailings pile, Ambrosia Lake, New Mexico. (LA – 6839-MS) 349900
Drehler, R.L.
LOFT integral test system. Preliminary component design description for the core support structures. (TID – 27659) 352793
Dreibus, G.
Determination of lithium and halogenes and the significance of lithium to the understanding of cosmochemical processes. 375253
Dreistern
The sword of Damokles, or: the fast breeder in Kalkar and the Higher Administrative Court at Muenster. 376563
Dreizen, S.
Oral complications of cancer radiotherapy. 360282
Drejden, G.V.
Application of resonance interferometry and holography for plasma diagnostics. 348906
Drejzin, Yu.A.
Lagrange description of plasma THETA-pinch flute drift instability. 377354
Drell, S.D.
Quantum field theories on a lattice: Variational methods for arbitrary coupling strengths and the Ising model in a transverse magnetic field. 371367
Dremin, A.N.
Shock waves effect on zirconium dioxide. 349560
Dremin, I.M.
Multiperipheral theory of multiple production and experiment. 349060
Dremin, I.V.
Detection methods of particle clusterization. 361691
Drentje, A.G.
Giant resonances in light nuclei. (INIS-mf – 4267) 377978
The QMG/2 magnetic spectrograph and its focal plane detector. (INIS-mf – 4267) 379877
Dres, K.
Reactor technology. (KFK – 1277/2) 371061
Drescher, H.E.
Recent findings on fission product release from a 3000MW(th) pebble-bed reactor in case of accidents with unchecked core heat-up. 370955
Drescher, R.C.
Process for tightly sealing nuclear reactor fuel rods. 370832
Dreschhoff, G.
Effect of space charge on F centers near the stopping region of monoenergetic protons. 367328
Dreshfield, R.L.
Carburization and heat treatment to cause carbide precipitation in gamma/gamma prime-delta eutectic alloys. (N – 77-22215) 367279
Dresner, J.
Dissociation of MgO films under heat and electron bombardment and its effects on secondary emission. (INIS-mf – 4127) 363999
Dresner, L.
Design of force-cooled conductors for large fusion magnets. (CONF-770842 – 6) 361526
Effect of a continuous resistive transition on self-field instability. (CONF-771029 – 19) 374007
Effect of flux flow on self-field instability. (ORNL/TM – 5986) 369245
Investigation of current transfer in built-up superconductors. (CONF-771029 – 106) 374013
Superconductors for tokamak poloidal field coils. (CONF-770801 – 17) 359012
Vapor locking as a limitation to the stability of composite conductors cooled by boiling helium. (CONF-770801 – 18) 361586
Dress, W.B.
Study of KLL Auger processes for light elements above Z = 10. (CONF-770579 – 1) 355867
Dress, W.D.
A new measurement of the magnetic moment of the neutron. 361886
Dresselaers, J.
Post-corrosion analyses of a sodium – sodium heat exchanger after 60,000 hours sodium exposure. (CONF-760503 – P2) 352728
Dresselhaus, M.S.
Magnetic phase-dependent Raman scattering in EuS and EuSe. 360029
Dressen, A.L.
Conversion of radioactive ferrocyanide compounds to immobile glasses. (US patent document 4,020,004/A/) 374416
Dressler, E.
SAFTL and CRESS – description of two program systems for the calculation of the reliability of complex systems. (MRR-P – 21) 366213
Dressler, E.T.
Pion electroproduction from ^{6}Li. 372821
Dressler, G.
KWU fuel cladding technology and quality assurance. 376432
Dressler, J.
Investigations on biodegradation of human albumin microspheres. (INIS-mf – 4010) 362722
On the value of ECG-triggered scintigraphy of the heart's cavity. (INIS-mf – 4010) 362808
Pharmacokinetics of ^{14}C-labeled eye drops. (INIS-mf – 4010) 370436
Drew, H.R.
Electric utility view of fusion. (EPRI-ER – 536-SR) 371822
Drexler, G.
Actual problems in photon dosimetry. 363077
Drexler, H.
Effects of fuel-sodium interaction in TOP tests with electrically heated fuel pins. (CONF-761001 – P4) 362871
Dreyer, A.
Electric dipole moment of IBr by the Stark shift of the perturbation allowed rotational transition J'=3 – J''=0. 353374
Dreyer, I.
The present status of astatine chemistry. 378460
Dreyer, S.
The emergency cooling system of the KNK-II reactor. 376589
Dreyfus, T.
Focal points and the phase of the semi-classical propagator. (WIS-Ph – 77/23) 366281
Dreyhaupt, F.J.
New planning instruments of environmental protection. 367750
Site provision for energy facilities. 354986
Dreze, Ph.
Analysis of pesticide residues and metabolites by radioactive tracers. 379162
Interest of radioactive tracers in fruit cultivation research. 379157
Use of radioactive tracers for studying the quantity determination of a phytosanitary product. 379161
Drickamer, H.G.
Energy dependence of the radiationless deactivation rate for the azulene system probed by the effect of external high pressure. 378344
High pressure luminescence studies of localized excitations in ZnS doped with Pb^{2+} and Mn^{2+}. 360044
High pressure luminescence studies of mixed ZnS – CdS phosphors doped with Cu^{+} or Ag^{+}. 360043
High pressure studies of fluorenone emission in plastic media. 369676
High pressure studies of interimpurity (donor – acceptor) luminescence in ZnS and ZnSe phosphors. 360042
High pressure study of the effect of viscosity on the quenching of naphthalene fluorescence by biacetyl. 369602
Studies of luminescence efficiency of Eu^{2+} activated phosphors as a function of temperature and high pressure. 367323
Studies of the luminescence efficiency of tungstate and molybdate phosphors as a function of temperature and high pressure. 367322
Drickey, D.J.
Direct measurement of the π^{-} form factor. 372514
A measurement of the electromagnetic size of the pion from direct elastic pion scattering data at 50 GeV/c. 353922
Driel, M.A. van
Measurement of the momentum of charged particles using magnetic fields and drift chambers. (INIS-mf – 4267) 379903
Driemeyer, D.
D-^{3}He field-reversed mirror as a minimum-size satellite. (EPRI-ER – 536-SR) 371946
Dries, L. van den
Tunneling investigation of the superconducting proximity effect in Al/Pb sandwich layers. 369246
Driesen, G.
Collection of preliminary thermal and structural calculations for TFTR components. (WFPS-TME – 018) 368937
Structural analysis and optimization procedure of the TFTR device substructure. (WFPS-TME – 010) 366529
Structural analysis of TFTR vacuum vessel bellows and bellows cover sections. (WFPS-TME – 008) 371823
Structural design and analysis of components composing the TFTR device vacuum vessel. (WFPS-TME – 011) 371824
Driessche, R. van den
The effect of enzymatic degradation of the RIA of oxytocin. (INIS-mf – 4010) 370459
Driessens, F.C.M.
A quantitative radiochemical study of ionic and molecular transport in bovine dental enamel. 373587
Driga, M.D.
Design, fabrication, and testing of a fast discharge homopolar machine (FDX). (CONF-771029 – 117) 377414
Electromagnetic torques and forces due to misalignment effects and eddy currents in the homopolar generator, power supply for the Texas Experimental Tokamak (TEXT). (CONF-771029 – 118) 377393

Methods for producing the plasma initiation pulse in ohmic heating circuits in tokamak power reactors: resistive dissipation, transient inductive storage, and transient capacitive storage. (CONF-771029 – 120) 377394
Drigo, L.
Analysing power measurements in the $^{3}He(n,n)$ reaction. 359475
Drijard, D.
Observation of jet structure in high psub(T) events at the ISR and the importance of parton transverse momentum. 353956
Drimmie, R.
Stable carbon isotope ratios and chemical properties of kerogen and extractable organic matter in pre-Phanerozoic and Phanerozoic sediments – their interrelations and possible paleobiological significance. 378859
Drinkwater, A.
Translocation of ^{11}C from leaves of Helianthus: preliminary results. 360388
Drinkwine, M.J.
High electron energy ESD of H^+ and F^+ from stainless steel, platinum and niobium. 368830
Drischler, J.D.
Compilation of multigroup cross-section covariance matrices for several important reactor materials. (ORNL – 5318) 379548
SENDIN and SENTINEL: two computer codes to assess the effects of nuclear data changes. (ORNL/TM – 5946) 352442
Driscoll, M.J.
MIT LMFBR blanket physics project progress report No. 7, July 1, 1975 – September 30, 1976. (COO – 2250-28) 379755
Safety and breeding: related aspects of fast reactor cores having internal blankets. (CONF-761001 – P2) 362905
Drits, M.E.
Magnesium ytterbium-alloys. 375826
Study of phase equilibria and properties of the Mg-Y-Zr system alloys. 369929
Drndarevic, S.B.
Hypernuclei in some hammer-like events recorded in a photonuclear emulsion irradiated with stopping K^- mesons. 366893
Drobasheva, T.I.
The K_2WO_4-Cs_2WO_4-WO_3 system. 375446
Li_2MoO_4-Rb_2MoO_4-MoO_3 ternary system. 375445
Drobasheva, T.N.
Sodium-potassium-tungsten bronzes prepared by electrolysis of alkali tungstate melts. 375447
Drobnik, S.
Recent experiments on the treatment of medium level wastes and spent solvent and on fixation into bitumen. 358466
Drobot, A.T.
Numerical simulation of proton rings during static compression and trapping. 364226
Drobot, D.V.
Phase equilibrium in the tungsten-chlorine-oxygen system. 375448
Drobyazko, V.N.
Change in the relation of band intensities of Eu^{3+}, Sm^{3+}, Tb^{3+} and Dy^{3+} ion luminesence spectra in complexes as a function of the number of coordinated ligands. 351545
Intensity of Yb^{3+} ion absorption band in solutions of some complexes. 369590
Investigation into different-ligand complexes of rare earths with acetoacetic ester and phenanthroline. 375415
Organic reagents using for luminescent determination of scandium. (INIS-mf – 4192) 375295
Selection of analytical lines of luminescence spectra during determination of lanthanoid ions in solutions of complexes. (INIS-mf – 4191) 375331
Spectrophotometric study of neodymium (3), holmium (3) and erbium (3) ions complexing with acetoacetic ester. 349279
Drobysheva, A.N.
Stability of complexes of Mg, Zn and Cd with mesoporphyrin in medium of tertiary butyl alcohol – trichloacetic acid. 378251
Drobyshevski, E.M.
Evolution of magnetic binaries with mass loss. Pt. 1. Computations without a magnetic field. 372151
The evolution of magnetic binaries with mass loss. Pt. 2. Calculations with magnetic fields. 372152
Drobyshevskij, Eh.M.
How do binary stars arise. 348989
Drofenik, M.
Influence of the substoichiometry of the carbide phase on the properties of (Ta,W)C and (Ta,Mo)C hard metals. (KFK-EXT – 6/77-1) 351823
Drokin, N.A.
The effect of visible radiation and an electric field on ferromagnetic resonance and photoconductivity in $CdCr_2Se_4$. 364106
Drolet, J.P.
Review of DREV uranium research. 373136
Dromashko, S.E.
Action of ionizing radiation on conjugation of E. coli K-12 (HfrxF$^-$). Comm. 1. Mathematical simulation. 352023
Dronov, V.I.
Complexing of sulfides and sulfoxides with $Mo(CO)_6$. 369650
Dronova, G.N.
Stoichiometry and optical properties of lanthanum sulfides following hot pressing. 360034
Drooks, L.J.
Polarization of the neutrons produced by the photo-disintegration of deuterium. 372740
Dropesky, B.J.
Target preparation with the LASL isotope separator No. 1. (LA – 6850-C) 370669
Drory, Ch.
Particle-hole states in ^{42}K studied by the $^{44}Ca(d,\alpha)^{42}K$ reaction. 356854
Drost, W.
Annual report 1975. (GSF-R – 132) 349668
Droste, Ch.
Levels in ^{130}Ba fed from ^{130}La decay. 354179
Droste, W.
Fundamentals of X-ray fluorescence analysis. 375221
Drotning, W.D.
Thermal expansion of molten materials by the gamma attenuation technique. (SAND – 77-0626C) 365147
Drouet, M.G.
Duration of the source of the current in laser-produced plasmas. 353544
Photoionization of He and N_2 by uv radiation from a copper plasma produced by a CO_2 laser. 358937
Drouhin, J.P.
The Mark II Nancay radioheliograph. 372129
Droullard, R.F.
Continuous working level monitor. (HASL – 325) 378904
Drozd, I.A.
Some specific features of photoconductivity spectra of PbTe thin films. 348779
Drozd, N.P.
Effect of preliminary loading on the strength of the EhLN-1 alloy. 375856
Drozda, W.
Studies on ammonium polyuranates obtained from UF_6. 373118
Drozdov, N.N.
Nitrogen behaviour at steel melting in arc furnaces. 375771
Drozdova, M.K.
X-ray electron study of character of electron density distribution in oxygen containing extractants. 351617
Drozdovskij, B.A.
Fracture characteristic anisotropy of the OT4-1u and VT14 alloy sheets with different hydrogen content as dependent on loading conditions. 375827
Drozdzynski, J.
Absorption spectra of uranium(+3) in solution. 375633
Drska, L.
Computational study of some radiation and nuclear processes in laser-induced plasmas. (INIS-mf – 3963) 371825
Drueke, V.
Fast neutron doses in HTR reactors. 370976
Druin, V.A.
Synthesis of heavy isotopes of Ku in bombardment of Cm by 0 ions. 349134
Druj, O.S.
On the solution of the vacuum problem for thermonuclear systems. 368939
To the solution of vacuum problem in thermonuclear facilities by cryogenic methods. (INIS-mf – 3954) 361527
Drukarev, E.G.
Internal Compton effect at low energies. 348583
On effects impeding the observation of parity nonconservation in hydrogen-like and helium-like ions. 374610
Drukarev, G.F.
Hydrogen-like system in crossed electric and magnetic fields. 348656
Polarization effects in inelastic electron-atomic collisions involving a change of the atomic spin. 374611
Drulis, H.
Electron paramagnetic resonance of Nd^{3+} ions in YD_3. 378252
Drullinger, R.E.
Relaxation of the mercury 6 $^3P_0$ and 6 $^3P_1$ states. 350470
Drummond, I.T.
Dimensional regularisation of massless quantum electrodynamics in spherical spacetime 1. 350498
Drummond, J.L.
Performance of PFR hydrogen leak detection system based on water and hydrogen injection into the steam generator units. (CONF-760503 – P2) 352738
Drunkin, V.I.
Practical aspects of neutron activation analysis application in search and exploration of minerals in the USSR. 349654
Druschel, R.E.
Zirconium metal-water oxidation kinetics. IV. Reaction rate studies. (ORNL/NUREG – 17) 357740
Drutman, Z.S.
Purification of tin labelled with ^{113}Sn from radioactive impurities of antimony. 359760
Druzgal'skij, I.V.
"Aurora-2", "Aurora", "Electron-4" high-voltage accelerators. (INIS-mf – 4194) 376348
Problems on unification of high-voltage electron accelerators. (INIS-mf – 4194) 376361
Druzhina, N.A.
Chemiluminescence of the liver mitochondria of rats exposed to fast neutrons. 362662
Druzhinin, A.S.
Development and study on a model of a liner for a pulsed theta pinch reactor. (INIS-mf – 3954) 361492
Druzhinin, V.V.
Temperature dependence of magnetic moment orientation in RCo_5 compounds. 355978
Druzhinina, I.P.
Corrosion resistance and electrochemical and physicomechanical properties of vanadium-zirconium alloys. (INIS-mf – 3839) 367177

Druzhinina, L.P.
Structure and properties of metal steam line of the EhI756 steel after long-term operation. 362474
Druzhinskaya, I.A.
Technique for a reactor charging machine guidance on a technology channel of a nuclear reactor. (Soviet patent document 392793/A/) 379443
Druzhinskij, I.A.
Mobile biological shielding. (Soviet patent document 401250/A/) 379542
Druzhkov, O.N.
Thermal decomposition reaction of dicyclopentadienyl derivatives of vanadium. 357053
Dryak, P.
Experience with Canberra Co. instruments. (INIS-mf – 4143) 374337
Selected problems in calibrating semiconductor detectors. (INIS-mf – 4143) 374311
Dryamov, V.A.
Studies of structural material degassing in cryogenic vacuum technique. (KFTI – 76-21) 357290
Dryapachenko, I.P.
Deuteron disintegration on heavy nuclei and allowance for neutron interaction in a final state . . 377886
Energy dependence on interference phenomena in the $^{11}B+p\rightarrow 3\alpha$ reaction. 375177
Dryaspachenko, I.P.
Deuteron disintegration on lead isotopes. 377887
Dryden, E.H.
Automatic alignment system for the twenty beam shiva fusion laser. (UCRL – 80249) 377352
Dryer, M.
Dynamic modeling of coronal and interplanetary responses to solar events. 372310
Viscous flow in the near-Venusian plasma wake. 351067
Drynkin, V.I.
Determination of elemental composition of standard rocks by instrumental neutron activation method. 351919
Instrumental neutron activation analysis of rocks of Pechenga suite. 354313
Instrumental neutron activation analysis of standard samples of the rocks. (INIS-mf – 3994) 378104
Neutron activation analysis data of admixture-elements in sulphides of tin-ore fields. 351924
On the question of precision and the correctness of instrumental neutron activation analysis of geological samples. (INIS-mf – 3994) 378103
Simulators of microelement composition of standard rocks for instrumental neutron activation analysis. 349175
du Plessis, P.d.V.
Electronic properties of single-crystal uranium mononitride. 367306
Magnetic properties of single-crystal uranium mononitride. 367305
Du Plessis, T.A.
The role of radiation in polymer chemistry. (PER – 21) 351632, 375680
Du Temple, O.J.
Role of scientific and engineering societies in developing countries to aid in transfer of nuclear technology. 352534
du Tremolet de Lacheisserie, E.
Magnetoelastic properties of RZn equiatomic compounds. 365170
Dubasov, A.M.
Calculation of thermal stresses in ceramic elements of refractory walls of a MHD channel. 369240
Dubasov, V.G.
Control system for state and protection of a superconducting winding of a longitudinal field in the " T-10M" facility. (INIS-mf – 3954) 364155
Research program for superconducting current element for the "T-10M" facility. (INIS-mf – 3954) 361505
Dubbers, F.
Quasi-rotational bands in ^{80}Kr. (ZfK – 336) 364769
Rotational bands and a high-spin isomer in ^{178}Ta. (ZfK – 336) 364765
Dube, S.
Improvement of some vegetatively propagated ornamentals by gamma radiation. 352139
Dubeck, L.W.
Determination of the energy gaps in superconductors by point contact tunnelling. 349456
Dubey, R.C.
Rotational temperature of CO molecule in facula models. 348990
Dubey, V.S.
New lines in the L-spectrum of neodymium-60. 358827
Dubi, A.
Comment on the use of thermoluminescence dosimeters as thermal neutron detectors. 358368
Dubiel, S.M.
The effect of neighbouring chromium atoms on hyperfine magnetic field at ^{57}Fe nuclei in Fe-Cr alloys. 364000
Dubinin, B.V.
Density, volumetric properties and surface tension of three-component systems of uranium chlorides with alkali metal chlorides. (INIS-mf – 4193) 375632
Dubinin, N.P.
Analysis of monomorphic markers of genes in populations as a method of the estimation of multagenicity of the medium. 354734
Dubinin, V.A.
Densification of porous beryllium during sintering. 375919
On nature of bond in intermediate phases beryllium-metal alloys. 365159
Dubinina, L.F.
Formazanes as analytical reagents. 378150
Dubinina, L.K.
Spectrophotometric determination of anions of polyselenides and polytellurides. (INIS-mf – 4191) 375254
Dubinki, Yu.
Four-prong π^-p interactions with π^0 production. Pt. 2. Cross section determination by statistical method; study on characteristics of proton and neutron production. (JINR-R – 1-8793) 364460
Dubinskaya, N.A.
Study of volatility of toxic elements from samples on the basis of phenol-formaldehyde resin. (INIS-mf – 3994) 378105
Use of resonance activation for multielement instrumental neutron activation analysis of plants. (INIS-mf – 4188) 378106
Dubinski, Yu.
Diffusion of solar protons from the flare of August 7, 1972. 357535
Dubinskij, A.A.
Radical pairs during solid paraffins radiolysis: mechanism of radiolytic birth and postradiational decay. 362257
Dubinskij, V.E.
Vacancy porosity in metals irradiated with accelerated Fe ions. (JINR-R – 14-8801) 349586
Dubinskij, Ya.E.
Blistering on nickel and steels irradiated with argon and nitrogen ions. (INIS-mf – 3996) 377186
Dubinsky, J.
Determination of the spectral characteristics of electron pulsations according to the Intercosmos-5 data. 367443
Polar coupling coefficients for cosmic ray multiple neutrons with energies up to 15 GeV. 367422
Dubinsky, R.N.
Excitation of hydrogen fluorescence through near resonant energy transfer from argon. 361377
Dubke, M.
Laser-rf double-resonance measurement of the quadrupole moments of ^{95}Mo and ^{97}Mo. 377004
Dubler, T.
Precision test of vacuum polarization in heavy muonic atoms. 371477
Test of vacuum polarization with muonic atoms. 377005
Dublon, G.
Crystal field effects in some cubic Laves rare earth transition metal compounds. (NRCN – 429) 371587
Duboc, J.
Boson spin tests from sequential decays: spin-parity analysis of the F_1 meson. 377814
DuBois, D.F.
Magnetic field generation by resonance absorption of light. 364171
Dubois, J.
Computer processing and display of dynamic images in nuclear medicine. (INIS-mf – 4010) 368335
Dubois, P.F.
PRETART/TARTV user's manual. (UCID – 17518) 361922
Volume calculation and geometry checking in a Monte Carlo transport code. (UCID – 17522) 351254
DuBois, R.D.
Absolute doubly differential cross sections for ejection of secondary electrons from gases by electron impact. I. 100- and 200-eV electrons on helium. 350674
Dissociative recombination cross sections for NH_4^+. 358736
Secondary electron cross sections for electron impact on helium, hydrogen and neon. 353227
Dubok, V.A.
Solid electrolytes on the base of rare earth oxides. (INIS-mf – 4189) 375449
Dubos, C.
Localisation of gamma-rays induced chromatid breaks using a three consecutive staining technique. 376058
Dubosarskaya, Yu.M.
Determination of nickel in ferronickel by the thermoelectric method. 375255
Dubov, Ya.M.
Way of preparation of aqueous solutions containing ruthenium compounds. (Soviet patent document 469665/A/) 354348
Dubova, L.M.
Effect of nature of metal on the structure of double electrical layer in dimethyl sulfoxide. 369623
On effect of specific interaction of solvent with electrode metal on structure of double electric layer and adsorption. 375407
Dubovenko, L.I.
Chemiluminescence reactions between lucigenine and reductants. 372851
Dubovik, A.S.
Wide-band reflex optical length for diagnostics of an electron beam accoding to the synchrotron radiation. (JINR-R – 9-9281) 355168
Dubovikov, M.S.
S-channel unitarity in the Pomeron theory with α/sub P/(0) > 1. 361788
Dubovitskaya, L.G.
Disproportionation of indium monoiodide in aqueous solutions. 375442
Dubovitskaya, N.V.
Acoustic emission in tungsten and copper affected by a single pulsed electric discharge. 359929
Dubovoj, Eh.I.
On possibility of existence of narrow gamma lines in an electron bremsstrahlung spectrum. 359391

On the cause of isospin non-conservation in the deuteron breakup reaction on nuclei with zero isospin. 375107
Dubovoj, L.V.
Investigations for development of power high-voltage storages of nanosecond range for power electron beam production. (INIS-mf – 3954) 361538
Dubovoj, P.G.
Thermodynamic and X-ray studies into reaction of chlorides of alkali metals, thalium and beryllium. (INIS-mf – 4193) 375615
Dubovskaya, A.S.
Synthesis and investigation into vanadium(5) compounds with tetraalkyl ammonium compounds-derivatives of xylilenediamine. 375571
Dubovskij, B.G.
Aspects of nuclear safety at power plants and fuel cycle plants in the USSR. 370582
Method for control of fissionable materials by delayed neutrons using pulse neutron source. (FEI – 520) 357192
Monitoring the reactivity of highly undercritical reactors by means of reactimeters and the source analog correction. 358090
Dubrovich, V.K.
On molecules of cosmological origin. 369064
Dubrovin, A.V.
On mechanism of uranyl acetate decomposition. 359728
Dubrovin, M.N.
Cavitation strength of melts of decomposed semiconductor joints of HgTe-CdTe alloy system. (INIS-mf – 3914) 349480
Device for synthesis of decomposing semiconductor compounds in ultrasonic field. (INIS-mf – 3914) 349385
Intensification of homogenizing annealing of Hgsub(0,8)Cdsub(0,2)Te alloy in ultrasonic field. (INIS-mf – 3914) 349384
Peculiarities of HgTe-CdTe alloy system crystallization in ultrasonic field. (INIS-mf – 3914) 369930
Physical and chemical investigation of the HgTe-CdTe system. 357268, 362397
Using erosion activity criterion for the evaluation of optimum conditions for molten alloy ultrasonic homogenization. (INIS-mf – 3914) 349426
Dubrovina, A.N.
Grain size effect on electrophysical properties of 80% Bi_2Te_3 – 20% Bi_2Se_2. (INIS-mf – 3914) 349471
Dubrovina, I.N.
Synthesis and structural characteristics of the spinel-type solid solutions in the Mn-V-Fe-O system. 359680
Dubrovina, S.M.
Cross section of ^{244}Pu fast fission. 375175
Dubrovskij, A.Ya.
Production and study of molybdenum alloy monocrystals. (INIS-mf – 3839) 365126
Dubrovskij, G.V.
About using the "action-angle" variables in the solution of some many-dimensional problems of scattering. (INIS-mf – 3915) 348672
Angular distribution and mechanisms of direct atom-molecule reactions. (INIS-mf – 3915) 348673
Quasi-classical approximation for inelastic atom-molecular scattering amplitudes. 374612
Semiclassical expressions for s-matrix and ray representation for the scattering amplitude. (INIS-mf – 3915) 348671
Dubrovskij, V.M.
Process equipment for reprocessing of fast reactor fuel elements. (IAEA-AG – 63-20) 368212
Dubuque, G.L.
Measuring mixed energy gamma radionuclides using a radionuclide calibrator. 352346
Dubyanskaya, T.I.
Rational thermal conditions of sheet 08kp steel treatment. 357207
Dubyk, W.S.
Uranium favorability of the San Rafael Swell area, east-central Utah. (GJBX – 72(77)) 373412
Ducassou, D.
Multidoored analogical scintigraphic device. Measurement of the ejection fraction. 354927
Ducat, G.A.
Safety and breeding: related aspects of fast reactor cores having internal blankets. (CONF-761001 – P2) 362905
Ducatez, G.
The use of chromosomic anomalies for the estimation of an accidental acute irradiation dose in man. 354802
Duchan, R.
Radioactive fallout studies in Israel. (INIS-mf – 4052) 373756
DuCharme, A.R.
Assessment of the environmental impacts produced by the transport of radioactive materials through urban areas. (SAND – 77-0853C) 373598
Model to predict the radiological consequences of transportation of radioactive material through an urban environment. (SAND – 77-0844C) 373577
A risk assessment for the transportation of radioactive materials in the USA. 350039
Duchateau, A.M.J.A.
The effect of colestipol on digitoxin plasma levels. 376178
Duckett, G.E.
Simultaneous radioimmunoassay of thyrotropin and thyroxine in human serum. 362766
Duckwald, C.S.
Assessment of reactor internals vibration in BWR/4 and BWR/5 plants. (NEDO – 24057) 379629
Duckworth, H.E.
Nucleon separation and pairing energies, decay energies and atomic masses for 68 <= Z <= 72. 359523
Precise atomic mass differences for wide doublets as determined with the Manitoba II mass spectrometer. 358449
Precise atomic masses and mass differences for W and Re. 356877
Precise single neutron separation energies of Ti, Fe, and Zn. 356694
Duclos, J.
A separation of the transverse and longitudinal cross section in a coincidence π^+ electroproduction experiment. A measurement of the pion radius. (LYCEN – 7702(pt.1)) 359454
Duco, J.
Sodium fire studies in France safety tests and applications on an LMFBR. (CONF-761001 – P4) 362922
Ducros, R.
The adsorption of carbon monoxide on rhenium: basal (0001) and stepped [14(0001) x (10$\bar{1}$1)] planes. 362414
Ethylene and acetylene adsorption on rhenium polycrystalline and Re(0001) surfaces. 378613
Dudek, J.
Nucleon binding in nuclei at high angular momentum. 369415
Search for the yrast traps in neutron deficient rare earth nuclei. 354054
Dudek, W.
Coupling between quadrupole and hexadecapole degrees of freedom. 353792
Dudenkova, A.V.
Photoluminescent properties and optical gain of CdS, CdSe monocrystals excited by electron beam. 348770
Duderstadt, J.J.
Characterization of an ultradense reproducible Z pinch. 366530
Finite element solutions of the neutron transport equation with applications to strong heterogeneities. 352443
Dudey, N.D.
^{235}U thermal neutron fission yields relative to NBS fission measurements Test 74-3. (HEDL-TME – 75-130) 351403
Fission rates in BIG-10 Test C-ANL(74-16) based on K-yield factors. (HEDL-TME – 75-130) 351406
Fission-product reaction rates from BIG-10 Test C-ANL(74-16). (HEDL-TME – 75-130) 351405
Fission-product reaction rates from CFRMF Tests ANL 74-7A and 74-7B. (HEDL-TME – 75-130) 351404
Reaction rates for nonfission foils irradiated in BIG-10 Test E-ANL(74-23). (HEDL-TME – 75-130) 351402
Dudich, G.K.
Method of spectral'isotopic determination of gases in solid substances. (Soviet patent document 423020/A/) 356939
Dudina, T.V.
The dependence of the hypophysis-adrenal system reaction upon the conditions of low dose irradiation. 362689
Dudkin, B.N.
Synthesis and magnetic properties of $LaMnO_3$-$LaAlO_3$ solid solutions. 356998
Dudkin, G.N.
Increase of the PhEV-49 photomultiplier time resolution. 371148
Dudkin, L.D.
Study of the phase equilibrium boundary in Bisub(0.52)Sbsub(1.48)Tesub(3)-Te. 378614
Dudley, W.W. Jr.
Radioactivity in the underground environment of the Cambric nuclear explosion at the Nevada Test Site. (LA – 6877-MS) 362574
Dudnik, E.M.
Thermal expansion of the group 4 transition metal silicides. 378774
Dudnik, S.F.
Structure of scale on molybdenum disilicide. 351662
Dudnikov, V.G.
Device for automation control of the MEhP-2 modulator of the "Krion" ion source. (JINR – 9-10395) 379490
Technique for producing negative ions. (Soviet patent document 411542/A/) 355182
The use of electron beam ion source 'KRION-1' to accelerate C, N, O and Ne at the JINR synchrophasotron. (JINR-R – 7-10823) 379517
100-mA negative hydrogen-ion source for accelerators. 363205
Dudonis, J.
Influence of ion implantation into the source of evaporation or growing structure on the properties of vacuum deposited thin films. 368868
Dudorov, A.E.
A difficult point in the condensation hypothesis of star formation. 377602
Dudziak, D.J.
Cross-section sensitivity analyses for a Tokamak Experimental Power Reactor. (LA – 6942-MS) 366625
Imploding-liner reactor nucleonic studies: the LINUS blanket. (LA – 6948-MS) 361528
Nuclear design sensitivity analysis for a fusion reactor. 364250
Dueck, P.
Spin assignments for $^{16}O + ^{12}C$ resonances at low energies. 378072
Duehmke, E.
Fast neutron radiography of extended biological and medical objects. 354928
Isodose determination by X-ray computer tomography in connection with the application of energetic gamma rays. (German (F.R.) patent document 2552018/A/) 370686
Duehrnke, E.
Fast neutron radiography for extended objects by a plastic detector

technique. 368273
Duenisch, O.
Development trends in X-ray technology. 365489
Duenner, P.
Layout of the KNK-II core elements. 376562
Using the KNK-II to develop core component materials. 371062
Duennweber, W.
Evidence for negative deflection angles in ^{40}Ar + Ag deep-inelastic reactions from γ-ray circular polarization measurements. 367010
Pre-equilibrium alpha emission accompanying deep-inelastic $^{16}O + ^{58}Ni$ collisions. 354207
Duerbeck, H.W.
Periodic brightness variation of the optical counterpart of A0620-00. (CONF-7510169 –) 364312
Duerink, L.
Sending scintigrams over the telephone. (INIS-mf – 4010) 363615
Duerr, H.P.
Singular potentials and the divergence problem in quantum field theory. 361269
Duerre, K.H.
Ventilation systems analysis during tornado conditions. Progress report, October 1, 1976 – April 30, 1977. (LA – 6999-PR) 373887
Duesenberg, H.
Implementation of civil engineering for nuclear power plants. 352613
Duev, L.T.
Fast neutron generator. (Soviet patent document 402945/A/) 355078
Dufek, G.
Lanthanum nitride-carbides. 359657
Duff, J.W.
Exponentiating trajectories and statistical behavior in collinear atom – diatom collisions. 368626
Duff, M.J.
Space-time topology and a new class of Yang-Mills instanton. 361253
Duffett-Smith, P.J.
The angular diameter-redshift relation for scintillating radio sources. 366706
Duffey, D.
Beryllium-reflected coal analytical assembly using ^{252}Cf neutron-capture gamma rays. 378107
Neutron induced gamma spectrometry for on-line compositional analysis in coal conversion and fluidized-bed combustion plants. (CONF-771072 – 3) 378118
Duffey, R.B.
Basic studies on the cooling of LWRs by in-core sprays. 376550
Studies of the physical models used in transient two-phase flow analysis. 376501
Duffield, R.B.
High temperature industrial process heat from nuclear fission. 379605
Duffy, C.J.
Uranium solubilities in the Oklo reactor zones. (LA-UR – 77-2818) 378836
Duffy, G.J.
An improved uptake probe designed for a large crystal rectilinear scanner. 376616
Duffy, J.B.
Waste canister for storage of nuclear wastes. (US patent document 4,021,676/A/) 374427
Duflo, J.
^{3}He production in ^{4}He fragmentation on protons at 6.85 GeV/c. 354154
Angular distribution measurement of the reaction $\alpha p \rightarrow {}^{3}He\ d$ at 3.98 GeV/c. 354147
Dufour, Raymond
Early neuro-vegetative responses to head irradiation of the rabbit at mean absorbed doses of 1000 and 150 rads. (CEA-R – 4870) 354773
Dufresne, D.
Experimental study of an air plasma generated by interaction of a CO_2 laser beam with a solid target. 353524
Duftschmid, K.E.
Evaluation of CaF_2:Dy bulb thermoluminescent dosemeters for environmental radiation monitoring around nuclear facilities. (SGAE – 2462) 368285
Experience with an automatic TLD system for personnel monitoring. (SGAE – 2534) 373804
The new Austrian dosimetry standard laboratory. 370687
Dufty, J.W.
Dynamic screening effects in plasma line broadening. 358959
Dugan, G.
Extraction system of the Nevis Synchrocyclotron. 363209
Dugan, V.L.
Structure for the decomposition of safeguards responsibilities. (SAND – 77-0400) 368477
Duggan, J.L.
Energy sources for the future. (CONF-760744 –) 356140, 357583, 357593, 357720, 357723, 357751, 357820, 358526, 358564, 358591
K-shell x rays of selected elements from Nb through Gd for incident protons and alpha particles from 0.6 to 2.4 MeV. 358853
Projectile charge-state dependence of K-shell ionization by silicon ions: A comparison of Coulomb ionization theories for direct ionization and electron capture with x-ray production data. 363906
Duguet, A.
Differential cross sections for 35keV electrons elastically scattered from NH_3. 353297
Duhamel, G.
The $^{116}Sn\ (d,t)^{115}Sn$ reaction at 23 MeV. 354150
The giant resonance region of ^{90}Zr via elastic scattering of 57.5MeV polarized protons. (ISN – 77-28) 359514
Duinen, R.J. van
Spectral classification using ANS photometric data. 369065
Dujardin, C.
Λ and anti Λ production in K^+p interactions at 32 GeV/c. 372512
General features of anti pp interactions at 32 GeV/c. 353973
Dukarevich, I.S.
High temperature thermomechanical treatment of carburized steel. (INIS-mf – 4046) 369875
Duke, C.
Nuclear shape staggering in very neutron-deficient Hg isotopes detected by laser spectroscopy. 351385
Duke, D.W.
The Pomeron-f identity and vector meson production. 361789
Quark elastic scattering in gauge theories and large-transverse-momentum hadron production. 372401
Duke, P.J.
Measurement of the polarization parameter for antiproton-proton annihilation into charged pion and kaon pairs between 1.0 and 2.2 GeV/c. 353949
Dukelsky, V.M.
Two-electron-one-photon transitions in ions with two $L_{2,3}$-vacancies. 376956
Dukhovskoj, I.A.
Some characteristics of the inclusive process $\pi^- + p \rightarrow \pi^+ +$ all in the fragmentation range of the incident particle at 2,69 and 3.25 GeV/c. (ITEF – 20) 356476
Dukler, A.E.
Two-phase interactions in countercurrent flow studies of the flooding mechanism. Progress report 1 Nov 1975 – 30 Sep 1976. (PB – 267576) 357764
Dular, J.
Experience with the construction of Yugoslavia's first nuclear power plant. 360914
Dulin, V.A.
Adjustment of evaluated microscopic data on the basis of evaluated integral experiments. (INDC(CCP) – 109/U) 358047
Adjustment of group constants according to evaluated integral measurements and recent versions of evaluated nuclear microscopic data. (INIS-mf – 4043) 363493
Some physical studies on the BFS-1 fast critical assemblies. 360971
Dullemond, C.
Confining potentials and regge poles. 359246
Have the quarks arisen. (INIS-mf – 4079) 361790
Dullforce, T.A.
Interface temperature criteria and the spontaneous triggering of small-scale fuel-coolant interactions. 370547
Dulski, P.
Resolution of the two phases of limestones with respect to their trace element contents. 375256
Dum, C.T.
Anomalous transport in shock produced plasmas. (INIS-mf – 3963) 353538
Electron and ion heating in a high-voltage belt pinch. 350945
Dum, J.
Inability of naloxone to change brain morphine levels in tolerant mice. 362809
Dumanchin, R.
Near UV photophysics of gaseous UF_6. 366384
Dumas, P.
NaCl-induced accelerated oxidation of a titanium alloy. 357186
Dumbrajs, O.
Comment on the real part of the $K^{+-}p$ forward scattering amplitude. 353794
Dispersion relations for the logarithm of the amplitude and pion-nucleus scattering. 369419
Extrapolation of the proton form factor from the space-like region by means of Pade approximations. 355753
Pole model of form factors of light nuclei. 353793
Dumbrajs, O.V.
Practical analytical continuation in strong interactions. 361259
Dumesnil, P.
Assessment of the feasibility of elemental analysis in boreholes by neutron activation. 375218
Checks based on neutron emission at fuel fabrication and reprocessing plants. 371282
Dumitras, D.C.
The influence of gas additives on the laser effect in CO_2. 377395
Dumitrescu, O.
Alpha decay of heavy and superheavy nuclei. 356593
Hard (soft) core nucleon-nucleon potentials involved in the isobaric analogue resonances widths. 377711
On the alpha decay of ^{255}Fm, ^{257}Fm and ^{241}Pu. 356592
Proton scattering on ^{238}U and the probable isobaric analogue resonances. 356579
Dumitrescu, P.
Synergic extraction of uranium from phosphate solutions with di-(2 ethylhexyl) phosphoric acid and tri-n-octylphosphine oxide. 369605
Dumitrescu, R.
Applying gamma-ray spectrometry in quantitative analysis of radioisotope activities. 364877
Nondestructive burn-up verification of EK-10 fuel, by Ge(Li) gamma-ray spectrometry. 379406
The reaction $^{10}B(\alpha,n)^{13}N$ at 18-20 MeV. 356751

Dumm, K.
Courses of accidents in sodium-heated steam generators and their control, using the SNR-300 as an example. 371020
Leak detection of steam or water into sodium in steam generators of liquid-metal fast breeder reactors. 360974
Dumont, G.
An integrated system for the conditioning of radioactive solid wastes and liquid waste concentrates. 358506
Dumont, J.J.
Λ and anti Λ production in K⁺p interactions at 32 GeV/c. 372512
General features of anti pp interactions at 32 GeV/c. 353973
Dumont, M.
Discharges from nuclear power stations. Energy value of low-temperature water. 376787
Dumont, P.D.
Statistical models for charge state distributions of heavy ions in carbon foils and gases. 355856
Dunaev, V.G.
Experimental investigation of digital algorithms for direct control of neutron flux on the IRT-2000 reactor. 376461
The philosophy of the power distribution computer-controlled system for channel type reactors. 379582
Reactor neutron field digital control experience. 360852
Dunaeva, K.M.
On mechanism of uranyl acetate decomposition. 359728
Uranium (4) compounds with chlorosubstituted derivatives of acetic acid. 362237
Dunaevskij, A.M.
Simulation of nuclear cascades in atmosphere. 361692
Dunaitsev, A.F.
J/psi particle production in π⁻-N interactions at 27 and 40 GeV/c. 369364
Dunand-Roux, L.
Metallurgical evolution of heavy forgings in low alloy steels for nuclear vessels. 355384
Dunaway, P.B.
Environmental plutonium on the Nevada Test Site and environs. (NVO – 171) 378828, 378855, 378879, 379130, 379131, 379137, 379139
Dunayeva, K.M.
Kinetics of thermal decomposition of anhydrous uranyl oxalate. 354414
Duncan, A.
Conformal anomalies in curved space – time. (COO – 2220-91) 361260
Regularization and renormalization of quantum field theory in curved space-time. (COO – 2220-97) 361246, 366246
Trace and dilation anomalies in gauge theories. 359238
Duncan, C.
Generation of exact solutions of gravity coupled to massless gauge fields, scalar fields, and conformal scalar fields. 371368
Duncan, D.L.
Radon and radon daughters: measurement and analysis successes and difficulties experienced by EPA. (HASL – 325) 378905
Duncan, D.S.
Design basis and site qualification events for the HTGR. 362906
Duncan, J.D.
Core spray and bottom flooding effectiveness in the BWR/6. Licensing topical report. (NEDO – 10801-A) 357765
Duncan, M.D.
Absolute Raman frequency measurement of the Q (2) line in D_2 using cw CARS. 371491
Duncan, R.G.
On the existence of a memory effect in hydride precipitation in cold-worked Zr-2.5% Nb. 362383
Duncan, R.J.
Hot leg relief system. (US patent document 4,064,001/A/) 379236
Dunckel, N.
Spacecraft observations of man-made whistler-mode signals near the electron gyrofrequency. 367423
Dundua, V.Yu.
Method for fabrication of neutron activation detectors. (Soviet patent document 308659/A/) 368270
Simulators of microelement composition of standard rocks for instrumental neutron activation analysis. 349175
Study of volatility of toxic elements from samples on the basis of phenol-formaldehyde resin. (INIS-mf – 3994) 378105
Technique for producing neutron activation detectors. (Soviet patent document 348109/A/) 355492
Dungan, R.H.
Hot pressing large diameter PLZT electrooptic ceramics. 373293
Dunham, W.R.
Added precision in ^{57}Fe Moessbauer spectroscopy. 355524
Dunkel, H.
Effect of misalignments of beam optical components. 357956
Dunlap, B.D.
Moessbauer study of Er^{3+} in ErH_3 and YH_3. 366376
Dunlap, J.L.
Electron heating by neutral beam injection in Ormak. (INIS-mf – 3963) 371961
Electron heating by neutral-beam injection in the Oak Ridge tokamak. 358985
Relation of neutral beam injection to impurity behavior and extension of plasma parameters in ORMAK. (INIS-mf – 3963) 371934
Dunleavy, L.H.
Investigation of the magnetic after-effect in α-iron after neutron irradiation at 77K. 371588
Dunlop, M.L.
Computer study of many waves in the small cold beam and plasma interaction. 348979
Dunlop, P.J.
Determination of potential parameters for the systems Ne-Ar and Ar-Kr from the temperature dependence of their binary diffusion coefficients. 376963
Isotope effect in diffusion of perdeuteriobenzene and benzene in a series of normal hydrocarbons at 25°C. 357065
Dunn, C.
Water testing of the inducer pump. (AI-ERDA – 13207) 374243
Dunn, E.
Medium-energy physics program. Progress report, November 1, 1976 – January 31, 1977. (LA – 6819-PR) 363210
Dunn, E.D.
Medium-energy physics program. Progress report, February 1 – April 30, 1977. (LA – 6938-PR) 367984
Dunn, F.E.
Large-scale deterministic computer code systems and LMFBR safety: a perspective. (CONF-761001 – P3) 365623
SAS4A LMFBR accident analysis code system: a progress report. (CONF-761001 – P3) 365548
Dunn, G.H.
Absolute cross sections for 2s-2p excitation of C^{3+} by electron impact. 368709
Dissociative recombination cross sections for NH_4^+. 358736
Dunn, J.T.
Delayed hydrogen cracking of zirconium alloy pressure tubes. 360939
Dunn, K.F.
Ionisation and charge transfer in fast H^+-He^+ collisions: further measurements of improved accuracy. 374598
Dunn, T.D.
Primary coolant system response to an HTGR core heatup. (GA-A – 14277) 367748
Dunn, T.S.
Microprocessor assisted ESR measurements of radical concentrations in polymers. 365054
Dunnette, M.D.
Problems of predicting aberrant behavior. (EPRI-SR – 28) 352218
Strategies, problems, and pitfalls in selection research. (EPRI-SR – 28) 352950
Dunnette, S.L.
Measurement of IgD by a double antibody radioimmunoassay: demonstration of an apparent trimodal distribution of IgD levels in normal human sera. 373652
Dunning, F.B.
Collisional ionization of Xe(nf) atoms by electron attaching targets. 377006
Effects of state changing collisions in studies of collisional ionization of xenon high Rydberg atoms. 377121
Ionization of xenon atoms in high Rydberg states by collision with molecules. 350612
Dunning, T.H. Jr
Geometries and energies of the excited states of O_3 from ab initio potential energy surfaces. 350626
Dunstl, J.
Determination of the probability distribution of deuterium in metals by channeling. (INIS-mf – 3996) 363976
Dunwoodie, W.M.
A simple description of the Jsup(P) = $1^+K^+\pi^+\pi^-$ system in the reactions $K^+p \rightarrow K^+\pi^+\pi^-p$. 353779
Study of Kπ scattering using the reactions $K^+p \rightarrow K^+\pi^+n$ at 13 GeV. (SLAC-PUB – 1886) 377799
Duong-van, M.
Model for massive-lepton-pair production. 372402
Some results in μh^+X process. (SLAC-PUB – 1822) 377796
Dupanloup, A.
Nuclear magnetic resonance study of La_3X compounds and related phases. 368765
Dupen, C.F.G.
Control rod and/or instrument tree assembly. (US patent document 4,045,283/A/) 374186
Control rod arrangement for nuclear reactor. (German (F.R.) patent document 2445672/B/) 355345
Dupin, J.P.
Use of MeV He^+ backscattering and (p, α) reactions to study the sputtering of LiF films bombarded with noble gas up to 40 KeV. 368888
Duplatre, G.
The chemistry of positronium.-Part. III: inhibition and quenching by silver and cadmium salts. (CRN-CNPA – 77-12) 354404
Dupont, J.
Researches with the 600MeV Linac. Chapter 4. (CEA-N – 1959) 354138
Duport, P.
Direct observation of labelled aerosols deposition into the respiratory tract of the rat. 354837
Duport, Philippe
A personal dosimeter for radon daughters. 361031
Dupoux, J.
Choice and use of air cleaning systems in nuclear installations. 360518
In situ measurement of filter efficiency in the nuclear industry, using the sodium fluoresceinate (uranine) aerosol method, AFNOR NFX 44 011 standard. 360498
Measurement in the laboratory and in the factory of the efficiency of the filter elements and filter paper by the sodium fluoresceinate uranine method. AFNOR NFX 44 011 standard. 360499
Dupouy, J.-M.
Irradiation enhanced creep in LMFBR fuel element cladding.

360093
Dupouy, J.M.
Characteristics and behaviour of the fuel in the Phenix reactor. 368201
Dupree, A.K.
High dispersion spectroscopic observations of HD153919 (3U 1700-37). (CONF-7510169 –) 364313
Dupree, S.A.
LMFBR spent fuel transportation technology development. 352406
Neutron and gamma-ray sources in LWR high-level nuclear waste. (SAND – 77-0369) 361116
Radiation shield design for LMFBR spent-fuel shipping casks. (SAND – 77-0971C) 374033
Subcriticality design considerations for LMFBR spent fuel shipping casks. 360696
Dupuis, M.
Chemical detection and precise measurement of tritium in a gas. (KFK-tr – 504) 349160
Dupuis, M.C.
Chemical detection and precise measurement of tritium in a gas. (KFK-tr – 504) 349160
Dupuy, J.
Fundamental analysis of defects induced by energetic ions implantation in AgCl. 358875
A high-temperature furnace for small-angle neutron scattering. 350360
Dupzyk, R.J.
Preparation of plutonium-242 for use as an alpha spectrometry and mass spectrometry tracer. 359622
Dura-Kubas, I.
Estimation of deposit-time of sup(99m)Tc pertechnetate in cardiac chamber during radioisotope angiocardiography in various heart diseases. (INIS-mf – 4010) 370437
Durack, D.
Computing a two-dimensional quench front. 362907
Durakov, A.V.
Thermal stresses in the metal-silicide coating system. 369869
Dural, J.
Iron damage by 20K electron irradiation. 354609
Durand, A.
Variations in emittance of a beam during alignment by a system of quadrupole lenses. 374094
Durand, J.
Magnetic and transport properties of amorphous ferro magnetic Gd – Au, Gd – Ni and Gd – Co alloys obtained by splat-cooling. (CALT – 822-96) 351741
Remanent magnetization of amorphous La – Gd – Au alloys with high Gd content. (CALT – 822-94) 351796
Durand, R.E.
Vibration tests of a full scale water model of a Clinch River steam generator module. (TID – 27821) 374244
Duraud, J.P.
Fission track dating of quartz grains from the Oklo uranium ore deposit. 367361
Thermal annealing of iron tracks in muscovite, labradorite and olivine. 360071
Durbin, P.
Early distribution of ^{238}Pu in the liver of a Cynomolgus monkey. (COO – 119-252) 373590
Durbin, P.W.
Metabolic model for uranium metabolism in man. (COO – 3382-16) 379126
Durcik, M.
Safety features in the design of the plutonium laboratory of the Nuclear Research Institute (NRI). 362865
Durell, J.L.
Effective charges and radial integrals in A = 17 nuclei. 356594
Duret, D.
Low and high frequency applications of an easily made thin film superconducting quantum interference device (Squid). 360615
Durfee, N.W.
Assembly of ISX. (CONF-771029 – 83) 371826
Durigon, D.D.
Absorber for gaseous tritium and process for its manufacture. (German (F.R.) patent document 2640363/A/) 367073
Durinin, E.V.
Investigation into reaction (solubility) of certain oxides in potassium fluorozirconate. (INIS-mf – 4193) 375416
Durley, R.C.
Preparation of radioactive gibberellins A_{20}, A_5 and A_8. 359750
Durmanov, S.T.
Device for measuring power and energy of high-current pulse processes. 376692
Durnov, Yu.V.
The principal approaches to solving the problem of radiological safety in planning hot laboratories and experimental devices. 360701
Durr, W.A.
Improved radioimmunoelectrophoretic assay of human serum thyroxine-binding globulin. 354929
Durrani, S.A.
^3He and ^4He spectroscopy using plastic solid-state nuclear track detectors. 368274
Etched-track kinetics in isotropic detectors. 352806
Durrant, C.J.
Flows in magnetic flux tubes. 369066
Illustrated glossary for solar and solar-terrestrial physics. 369027, 369040, 369059, 369067, 369108, 369121, 369135, 369157, 369212, 369216, 370307
Solar interior, ch. 1. 369067
Durrant, O.W.
Control system for a nuclear power plant. (German (F.R.) patent document 2620887/A/) 360853
Durrer, D.
Location and size of acute transmural myocardial infarction estimated from ^{201}Tl scintiscans. A clinicopathological study. 352134
Thallium-201 scintigraphy for myocardial imaging with emphasis on its use in the coronary care unit. 354958
Durston, J.G.
Thermal insulation. (UK patent document 1491204/A/) 368203
Duruisseau, J.P.
Event horizon and scalar potential. 353069
Durup, J.
Experimental and computational study of rotation effects in molecular ion photodissociation. 377097
Translational spectroscopy of neutralization-reionization double-collision processes of Ar^+ ions at keV energies. 353229
Durup, M.
Metastable-state analysis of a noble-gas ion beam through neutralization-reionization double-collision translational spectroscopy. 353228
Translational spectroscopy of neutralization-reionization double-collision processes of Ar^+ ions at keV energies. 353229
Durvaux, M.
Recent results in the lower-hybrid heating of the Wega device. (INIS-mf – 3963) 372085
Dushenko, V.F.
Relativistic quark model and electroproduction of nucleon resonances. 349061
Dushin, L.A.
Modulation of electromagnetic waves in an isotropic inhomogeneous plasma. 348907
Technique for plasma parameter measurement. (Soviet patent document 488124/A/) 353633
Dushin, R.B.
Study of mechanism of ion exchange on amorphous hafnium phosphate by infrared spectroscopy. 349212
Dushin, Yu.A.
Way of treatment of molybdenum-base alloys. (Soviet patent document 437811/A/) 375814
Dusoiu, N.
Dielectric anisotropy of the gypsum in the microwave domain. 378357
Dussart, R.
Correlation between scintigraphy, echography and computed tomography in the diagnosis of pancreatic diseases. (INIS-mf – 4010) 357686
Dussaulx, E.
Comparative radioimmunoassay of the canine secretory A antigen (CSA A) in water-soluble, phenol-alcohol, and perchloric acid extracts of dog colon mucosa. 349870
Dussel, G.G.
Field description of inelastic scattering. 356595
The renormalization of single-particle states in nuclear field theory. 372582
Dustmann, C.H.
An attempt to reduce training. 365704
Duston, D.
Characterization of an ultradense reproducible Z pinch. 366530
Dutchak, Ya.I.
X-ray studies in dynamic characteristics of iron base alloys. 368767
Dutkiewicz, J.
Lattice imaging of the B19 ordering transformation and interfacial structures in Mg_3Cd. 362457
Dutler, H.
Small-angle X-ray-scattering investigation and structural-model study of the fatty-acid synthetase from pig liver. 376060
Dutova, T.A.
Ploidy and liquid-holding recovery of yeasts sensitive to radiation and nitrous acid. 349716
Dutra, S.L.G.
Calculation of the energy spectrum of atmospheric gamma-rays between 1 and 1000 MeV. (INIS-mf – 4114) 365329
Dutrannois, J.
Application of solid state nuclear track detectors for personnel monitoring around high energy accelerators. 368286
On the electrochemical etching of neutron-induced tracks in plastics and its application to personnel neutron dosimetry. 368295
Dutre, W.L.
Exact statistical analysis of nonlinear dynamic nuclear-power reactor models by the Fokker – Planck method. I. Reactor with direct power feedback. 352437
Dutrecq, A.J.E.
In-vitro selection of plants resistant or tolerant to pathogenic fungi. 373742
Dutrillaux
Localisation of gamma-rays induced chromatid breaks using a three consecutive staining technique. 376058
Dutt, N.K.
Chemistry of lanthanons: Part XLIV – isolation and characterization of coumarin-3-carboxylate chelates of lanthanons. 349213
Dutt, N.V.K.
Turbulent heat transfer characteristics of liquid metals. 367901
Dutt, R.
D^+-D^0 mass difference in the chiral SU(4) X SU(4) model with broken isospin symmetry. 356405

Dutta-Roy, B.
The coherent state approach to the Vlasov equation. 366545
Dutta, A.K.
Magnetic susceptibility of free charge carriers in bismuth tellurides (Bi_2Te_3). 375462
Dutta, C.M.
Theoretical studies of photoionization cross sections and angular distributions for the hydrogen molecule. 350604
Dutta, N.
Sensitivity enhancement of a spin-flip Raman laser absorption spectrometer through use of an intracavity absorption cell. 371369
Dutta, T.K.
Radium organisation and radiation protection. 373881
Dutto, G.
Developments at TRIUMF. 363211
Improvements to the beam properties of the TRIUMF cyclotron. 363199
Dutton, J.
Experimental determination of total scattering cross sections for positron-helium collisions. 348654
Total cross sections for the scattering of positrons by neon and argon. 368615
Duvakina, N.I.
Solidification of the polyester coatings with accelerated electron beam in air. (INIS-mf – 4194) 376281
Duval, B.C.
The changing picture of uranium exploration. 357456
Duvall, T.L. Jr.
Comparison of Hα synoptic charts with the large-scale solar magnetic field as observed at Stanford. 372153
The mean magnetic field of the Sun: observations at Stanford. 366750
Duvanov, V.M.
Heterogeneous effects on experimental integral parameters of subcritical assemblies. 360784
Duverger de Cuy, G.
Filtration of aerosols produced by a sodium fire. 360972
Duverger de Cuy, Gilles
Facility of aerosol filtration. 355271
Duwe, R.
γ-spectrometric burn-up measurements on spherical fuel elements. (Juel – 1428) 355421
Fission product release from coated particles embedded in spherical fuel elements for high-temperature reactors. 365916
Irradiation tests of THTR fuel elements in the DRAGON reactor (irradiation experiment DR-K3). (Juel – 1408) 355417
Recent findings on fission product release from a 3000MW(th) pebble-bed reactor in case of accidents with unchecked core heat-up. 370955
Duwez, P.
Studies of alloy structures and properties. Annual summary report, December 1, 1976 – December 1, 1977. (CALT – 822-98) 378615
Duyckaerts, G.
The Institute of Radiochemistry, University of Liege, (Sart-Tilman), Belgium. 376869
On the indenyl compounds of actinide elements. 373017
Potential-pO^{2-} diagram of neptunium in the LiCl-KCl eutectic at 660degC. 365021
The standard oxidation potentials of the (II-III) and (III-IV) redox systems of the lanthanides and the actinides in non-aqueous solvents. 357010
A thermodynamic study of the complex formation of trivalent lanthanides with hydroxyethylethylenedieminetriacetic acid and other amoniacetic acids. 364946
Duzhenkova, N.A.
Comparative radiosensitivity of amino acids during γ-radiolysis in aqueous solutions. 362258
On the protective action of cystaphos and its homologues on radiation hydroxylation of tyrosine. 378957
Dvoinin, V.I.
Study of cadmium selenide formation in alkali solutions containing selenurea. 357046
Dvorina, L.A.
Thermal expansion of the group 4 transition metal silicides. 378774
Dvornik, G.G.
Mobility of charge carriers in Cusub(2-x)X. 369705
Dvornik, I.
The training set of personal dosimter-standards for exercising of radiation dosimetry in simulated energency conditions. 370644
Dvornikov, Eh.V.
Wide-range autodyne spin detector. 363611
Dvornikov, V.D.
Stabilized current sources on the basis of commercial thyristor converters. 358418
Dvornikov, V.M.
Energy losses of cosmic rays during the solar wind motion in a regular magnetic field. 356220
Dvortsova, L.I.
Calculation of stresses and deformations in a cylindrical shell with imperfect initial shape and at the circumference nonuniform temperature. (FEI – 703) 374105
Dvukhrechenskij, A.V.
Inhomogeneity of amorphous layer produced by ion bombardment of a semiconductor. 371601
Dvukhsherstnov, V.G.
Device for gas sampling from a reactor. (Soviet patent document 443276/A/) 357925
Study of neutron spectra in the BFS-28, BFS-30, BFS-33 fast critical assemblies using CINI and FEI spectrometers with proportional counters of recoil protons. (FEI – 698) 376643
Dvurechenskij, A.V.
Study on the defect profiles in ion-irradiated silicon after annealing by means of ESR of conduction electrons. 357414
Dvurechensky, A.V.
Annealing of vacancy clusters in silicon. 370133
The inducement and rearrangement of radiation defects in ion implanted semiconductors. (INIS-mf – 3996) 364001
Dweck, J.S.
Design and simulation of the first blanket zone of the DEMO fusion device. (ORNL/MIT – 246) 356131
Dwelshauvers, J.
Reliability of myocardial imaging with thallium-201 to visualize myocardial ischaemia in coronary artery disease. 354943
Dwersteg, B.
High-frequency configurations to raise the particle energy in PETRA. (SLAC-Trans – 178) 374044
Dwight, A.E.
Phase relations in the LaNi/sub 5-x/Cu/sub x/, LaNi/sub x/ and related systems. (CONF-771039 – 7) 378616
Rare earth – Au(Cu)-x compounds with the Fe_2P-, $CaIn_2$-, and MgAgAs-type. 362398
Study of magnetic hyperfine fields in rare earth-ion intermetallics. 366476
Dwivedi, P.H.
Population of the vibrational levels of the ground state of nitrogen by low energy electron scattering. 358808
Dworak, A.
Reactor core with rod-shaped fuel cells. (German (F.R.) patent document 2408761/B/) 355422
Dworakowski, M.
Assessment of radiation exposure of personnel during clinical application of radioactive iridium. 373565
Exposure of personnel to ionizing radition during implantation of metallic radioactive gold (^{198}Au). 367824
Dworetsky, M.M.
BD – 3°5357: an eclipsing binary with a hot subdwarf component. 356221
Dworschak, F.
Di-interstitial formation within small defect cascades in aluminium. 370150
Frenkel pair recombination radius in copper as a function of temperature. 351896
Radiation induced Be segregation in the alloy Cu/182 at ppm Be. 373358
Dworschak, H.
Eurex Euratom-CNEN agreement tenth annual report for the year 1974. (EUR – 5620) 359845
Italian experience with pilot reprocessing plants. 367190
Operation of the air filter system at the EUREX irradiated fuel reprocessing plant. 359846
Dwurazny, A.
Multiwire proportional chambers with a small sensitive area. (INP – 864/PH) 374312
Dwyer, J.
Quality assurance of sterilized products: verification of a model relating frequency of contaminated items and increasing radiation dose. 370478
Dwyer, R.E.
Producing less than 1 ppb sodium leakage from condensate polishers. 370818
Dy, K.S.
Recombination controlled photocurrents. (INIS-mf – 4127) 364118
Dyachenko, V.V.
Fast ion production in a tokamak plasma in the lower hybrid heating experiments. (INIS-mf – 3963) 371867
Dyachkov, E.I.
Superconducting magnets in high-energy physics. 374086
Dyachok, V.K.
Estimation of radiation risk in operations for removal of luminous paints. 349908
Dyad'kin, I.G.
Physical grounds for application of scattered gamma radiation to determine the diameter of casing columns. 375985
Dyadichev, V.N.
Approximate method of calculation of electron kinetics in disturbed ionosphere on altitudes higher than 100 km. 376044
Dyakin, V.V.
Interimpurity hole transitions in cadmium sulphide. 349214
Some specific features of spectra of Auger excitation of photoluminescence and photocurrent in CdS compensated crystals. 368768
Dyatlov, V.D.
Target systems of multichannel laser thermonuclear facilities. (INIS-mf – 3954) 361509
Dyatlov, V.P.
On the influence of high energy (250MeV) electron irradiation on the structure and properties of aluminium. (KFTI – 74-47) 366413
Dybczynski, R.
Neutron activation analysis of single human hairs and possible applications for forensic purposes. (INR – 1504/8/C/A) 375257
Dybdal, K.
Enhanced transient fields on Gd nuclei moving in magnetized Gd. 353446
Dydak, F.
A detector for high-energy neutrino interactions. 379899
Is there a high-y anomaly in antineutrino interactions. 351222
Like-sign dimuon events produced in narrow-band neutrino and

antineutrino beams. 356512
Measurement of the neutral to charged current cross section ratio in neutrino and antineutrino interactions. 361888
Observation of a neutrino event with four energetic muons. 372525
Observation of trimuon events produced in neutrino and antineutrino interactions. 356511
Study of inclusive neutral current interactions of neutrinos and antineutrinos. 369377
Dye, D.
de Haas-van Alphen measurements and phase shift analysis of electronic scattering anisotropy in solid solutions of Ga in Au. 351742
Dye, J.L.
Cesium-133 nuclear magnetic resonance study of complexation by cryptand C222 in various solvents: evidence for exclusive and inclusive complexes. 367104
Complexation of the cesium cation by macrocyclic polyethers in various solvents. A cesium-133 nuclear magnetic resonance study of the thermodynamics and kinetics of exchange. 351445
Spectroscopic studies of ionic solvation. XX. Cesium-133 NMR study of cesium salts in different solvents. 362174
Dyer, A.
Studies of crystalline zirconium phosphate-IV self-diffusion of La(III) and Ce(III) ions. 369618
Dyer, C.S.
Calculation of radioactivity induced in scintillator materials during spaceflight. 377603
Dyer, F.F.
Distribution of cesium and other fission products in Peach Bottom HTGR fuel elements. 352707
Distribution of fission products in Peach Bottom HTGR fuel element E14-01. (ORNL/TM - 5730) 363474
Fission product behavior in the Peach Bottom HTGR. (CONF-770929 - 6) 368177
Study of radionuclides in the Peach Bottom HTGR primary circuit. 352677
Dyer, G.R.
Electron heating by neutral beam injection in Ormak. (INIS-mf - 3963) 371961
Electron heating by neutral-beam injection in the Oak Ridge tokamak. 358985
Dyer, N.C.
Procedures: Source Term Measurement Program. (NUREG - 0384) 379237
Dyer, P.
Angular-momentum transfer in deeply inelastic scattering of 610-MeV ^{86}Kr by ^{209}Bi. 351344
Cross sections relevant to gamma-ray astronomy. (RLO/1388 - 362) 372714
Energy dependence of energy loss in the interactions of ^{86}Kr with ^{139}La. (RLO/1388 - 362) 372741
Dyer, R.S.
Environmental surveys of two deepsea radioactive waste disposal sites using submersibles. 358515
Dykema, P.G.
Hot hadronic matter in the early universe. (ORO - 3992-303) 361671
Dykes, P.W.
Prompt gamma neutron activation analysis to measure whole body nitrogen absolutely. 369534
Dykhne, A.M.
Lagrange description of plasma THETA-pinch flute drift instability. 377354
Dykstra, C.E.
Electron correlation effects on the excitation energies of the lowest triplet states of glyoxal. 350467
Dylla, H.F.
Impurity measurements in PLT. (PPPL - 1377) 364191
O-H charge exchange in cold, dense hydrogen plasmas. 371795
Turbomolecular pump vacuum system for the Princeton Large Torus. (PPPL - 1385) 371827
Dylyuk, A.A.
Pulse neutron logging technique. (Soviet patent document 483643/A/) 354641
Dymanus, A.
Quadrupole hyperfine structure and splitting of Δ-levels in the microwave spectra of KOH, RbOH and CsOH in the 100 GHz region. 355891
Dyment, J.
Filter testing by the manufacturer and in the laboratory. 360500
Dymnikov, A.D.
Moment method in dynamics of charged particle beams. 379491
Dymnikova, I.G.
High-frequency radiation from a particle falling into a Kerr black hole. 366688
Dymoke-Bradshaw, A.K.L.
Energy deposition in neutral hydrogen by an intense relativistic electron beam. (INIS-mf - 3963) 371828
Dymond, D.S.
Coronary care: the place of positive myocardial scintigraphy. (INIS-mf - 4010) 362810
Dymova, Z.N.
Investigation of NH_4VO_3 and H_2O_2 reaction products. 351505
Dyne, P.G.
Management of radioactive wastes from nuclear fuels and power plants in Canada. (AECL - 5706) 361100
Dyne, P.J.
Management of radioactive wastes from nuclear fuels and power plants in Canada. 368362
Regional fuel-cycle centers: technical and operational considerations. 375740
Dyrda, N.T.
Effect of surfactants on wet zircon vibrogrinding. 375931
Dyrek, K.
EPR investigation of color centers induced in gamma-irradiated alkali borate glasses. 379878
An ESR investigation of the vanadium pentoxide-water system illuminated in the solar spectrum range. 374704
Dyroff, H.
Radioactive waste in the Federal Republic of Germany. 368357
System study: radioactive wastes in the Federal Republic of Germany. SRA 1, accumulation of radioactive wastes in the Federal Republic of Germany. (ERDA-tr - 306) 358459
Dyshkant, A.S.
Study on particle production with large transverse moments in nucleon-nucleon interactions at 70 GeV. (IFVE-SEF/OP - 74-150) 361866
Dyson, J.E.
A model for a structure in the galactic nebula S206. 366689
Dyson, N.A.
Quantitative (p,x) analysis of iron and minor elements in biological material. 356979
Dyson, P.L.
Pulse synthesis technique for improving ionosonde resolution. 367421
Dysthe, K.B.
Acceleration of trapped particles by a Langmuir wave in an inhomogeneous plasma. 368940
Non-linear Langmuir wave modulation in collisionless plasma. 348908
Dyugaev, A.M.
To the theory of liquid He^3. 369247
Dyumin, A.N.
Neutron total cross-section for isotopes. (INIS-mf - 3897) 356752
Dyundina, M.M.
System of Na_2SO_4-$(NH_4)_2SO_4$-Cs_2SO_4-H_2O at 0 deg. 369719
Dyurgerov, N.G.
Determination of the fields of controlled metal transfer in pulsed-arc welding with consumable electrodes. 349403
Dyz, S.
Transport experience with Type A and Type B packages in Poland. 350013
Dzantiev, B.G.
Reactions of hydrogen atoms during the radiolysis of binary system H_2S - C_2H_4. 349339
Dzelme, Yu.P.
Investigation of chemiluminescence in dissolution of irradiated alkaline halide crystals. 370131
Dzendzelya, V.M.
Radiation draft of N-methylolacrylamide in solid phase to cotton cellulose. 367163
Dzhafarev, I.G.
Distribution asymmetry and helicity of electrons of the μ-decay in the framework of one-particle exchange models and the restrictions for the masses of the intermediate particles and muon neutrino. 353814
Dzhafarov, G.R.
X-ray radiography of binary lithium and rare earth orthoborates. 375394
Dzhafarov, I.G.
Differential cross-sections of neutrino and antineutrino scattering on electron in the gauge theories. W-resonance. 359256
Neutral currents and elastic scattering of neutrino and antineutrino on a polarized proton target. 361791
Polarization effects in the radiative νe(anti νe) scattering. 369317
The processes of the neutrino-antineutrino pair photoproduction on the electron in the framework of the Weinberg-Salam theory. 375029
Dzhalilov, S.T.
Electron-simulated desorption of oxygen from iridium. 368727
Dzhamarov, S.S.
Investigation of behaviour of the hexanite-R during microcutting of titanium and steel. 349414
Dzhamgarov, V.A.
Gas interaction with metal under ultraviolet irradiation. 357283
Dzhandieri, T.G.
Low temeprature thermal conductivity of irradiated KCl crystals. (INIS-mf - 3245) 349593
Dzhapiashvili, T.V.
Evaluation of real errors in cosmic ray data automation of the data acquisition and primary computer processing. 357524
27-diurnal variations of intensity and anisotropy of cosmic rays for different times of solar activity. 356172
Dzhardamalieva, K.K.
Liquid-phase reduction of o-nitrophenol on osmium-platinum catalysts deposited on thorium oxide. 349295
Dzhashiashvili, T.K.
Coordination compounds of nitrates and sulfates of some metals with isonicotinic acid hydrazide. 375524
Dzhavadov, A.V.
Elastic scattering of high-energy electrons on nonspherical nuclei. 359392
High-energy electron elastic scattering on spherical nuclei. 377876
Dzhelepov, B.S.
Electromagnetic constants of low-lying rotational bands of sup(173)Yb. 359394
More precise determination of the decay scheme of sup(173)Lu. 359393
Dzhelepov, V.P.
Designed pion beam channels in a phasotron with the magnetic

field variation. (JINR – 9-8782) 357952
A direct measurement of the rates of formation of ppμ and pdμ molecules in gaseous hydrogen. 355866
Dzhelyadin, R.I.
J/psi particle production in π⁻-N interactions at 27 and 40 GeV/c. 369364
Dzhempov, I.B.
Decomposition of supersaturated solution of KCl-$SnCl_2$ in ionizing radiation field. 369783
Dzheparov, F.S.
On the theory of relaxation of moments of mesoatomic and beta-radiative nuclei of paramagnetic ions and atoms. (ITEF – 79) 371589
Theory of vacancy mechanism of recoil nuclei depolarization. (ITEF – 81) 361437
Dzherippa, L.G.
Study of properties of β-diketones and their complexes with some rare earths. (INIS-mf – 4191) 375451
Dzhmukhadze, S.V.
Multiplicity of charged particles in π⁻ p interactions with production of strange particles. 375071
Dzhob, P.K.
Material reactivity worth measurements in a fast reactor. 376472
Dzholos, R.V.
Calculation method of matrix elements of nuclear microscopic hamiltonian in a space of collective fermion states. 377877
Spherical states in transition nuclei. 369420
Dzhonsi, D.L.
First global ratio telescope. 364278
Dzhonston, K.D.
First global ratio telescope. 364278
Dzhordzhio, N.V.
On proton sources of the day auroral zone. 378906
Dzhuraev, M.
A study of inelastic pion-nucleus interactions at 200 GeV/c in an emulsion. 356481
Study of 200 GeV/c proton diffractive dissociation using the parametrically invariant quantity g_1. 369339
Dzhuraev, T.D.
Plotting of Sr-Al-Si and Ba-Al-Si phase diagrams using simplex planning. 357339
Sr-Y phase diagram. 375864
Dzhurinskij, B.F.
Spectra of rare earth metaborates monocrystals. (INIS-mf – 3955) 378305
Systems formed by Ag, In and Sc tungstates. 364997
Dzhusov, Yu.P.
Resistive measurement of local void fraction. (FEI – 625) 350378
Dziegielewski, J.
Non-gaseous radiolysis products of procaine benzylpenicillin and Na salt 3-ortho-chloro-5-methyl-4-isoxasolyl penicillin. 354420
Non-gaseous radiolysis products of 6-aminopenicillanic acid and potassium salt of benzylepenicillin. 354419
Dziembowski, W.
Low mass models for AI Velorum stars. 372154
Dzierba, A.R.
Technical progress report of the Indiana University High Energy Physics Group, December 1, 1976 – November 30, 1977. (COO – 2009-132) 364565
Dzikowski, T.
Fluctuations of the muon to electron ratio in extensive air showers. 356222
Dzintarnieks, M.E.
Increasing of sensitivity of rhenium and molybdenum determination with thioglycolic acid using formation of three liquid phases during extraction. (INIS-mf – 4191) 375235
Simultaneous extraction photometric determination of molybdenum and rhenium with thioglycolic acid. (INIS-mf – 4191) 375234
Dziomko, V.M.
New possibilities of yttrium, europium, samarium and gadolinium determination by luminescent method. (INIS-mf – 4192) 375229
Dziuk, E.
Estimation of deposit-time of sup(99m)Tc pertechnetate in cardiac chamber during radioisotope angiocardiography in various heart diseases. (INIS-mf – 4010) 370437
Isotope investigation of the fluid flow in a continuous peritoneal dialysis in a rabbit. 367625
Dziunikowska, K.
High multiplicity π⁻d interactions at 21 GeV/c. 356503
Production of π^0 mesons in K⁺p interactions at 8.2 GeV/c. 353936
Dzkuya, M.I.
Mass measurement of Zn, Ga, Ge, As, Se stable isotopes. 374607
Dzneladze, Eh. M.
Facility for pressure welding of metals and alloys in superplasticity state. 375777
Dzubay, T.G.
Recent advances in energy-dispersive XRF analysis of aerosol samples. 378108
Dzyadykevich, Yu.V.
Investigation into compatibility of boron-silicide coatings with heat resisting metals. 369931
Stability of borosilicide coatings on high-heat metals at high temperatures. 365148
Dzyaloshinskij, I.E.
First order magnetic phase transitions and fluctuations. 368748
Hydrogen-like system in crossed electric and magnetic fields. 348656
A new type of magnetic domains in multisublattice antiferromagnets. 368769
Dzyuba, B.M.
Competition between prompt neutron and α emission from fission fragments. 349121
Dzyuba, S.A.
Study of role of methyl radicals in γ-radiolysis of crystalline acetic acid at 77°K. 365041
Dzyubenko, N.I.
Solubility of a third component in a binary semiconductor compound. 370017
Dzyublik, A.Ya.
Interstitial diffusion in crystal and the Moessbauer effect. (KIYI – 76-12) 366404
Eades, J.
Production of phi and f' in 10 GeV/c K⁻p interactions. 353959
The slow proton trigger for the CERN OMEGA spectrometer. 368293
Eagle, M.C.
The caesium-137 content of man related to fallout in rain, 1957-76. 351960
Eagles, D.M.
Calculation of the proton mass in a lattice model for the aether. 368516
Eales, J.G.
Measurement of L-thyroxine and 3,5,3'-triiodo-L-thyronine levels in fish plasma by radioimmunoassay. 357677
Eapen, A.C.
Radiotracer investigations in oil production and water injection wells. 370702
Eapen, C.D.
The application of least squares analysis for the estimation of low atmospheric concentrations of short-lived radon daughters and studies on their disequilibrium. 354718
Eapen, J.
Effect of carbon tetrachloride on glycogen metabolism in fasted and refed mice. 373684
Eardley, D.M.
Evolution of close neutron star binaries. 350992
Formation of hard x-ray tails. (CONF-7510169 –) 364314
Earley, W.C.
Evaluation of gastro-pulmonary aspiration by a radioactive technique: concise communication. 373685
Earll, J.M.
Radioimmunoassay for 3,3'-L-diiodothyronine ($3,3'T_2$). 357634
Eason, R.M.
Inclusive yields and transverse spectra of non-strange mesons. 353853
Spin and lifetime of the Ω⁻ hyperon. 372517
Study of the reactions K⁻p→K⁺K⁻Λ and Kp→panti pΛ, at 10 and 16 GeV/c. 353978
Easson, I.
Stress tensor of cosmic and laboratory type-II superconductors. 359077
Easter, J.R.
Axial power distribution monitoring using four-section ex-core detectors. (WCAP – 9106) 360913
Easter, R.
Neutral beam injection and ohmic heating switch needs for a tokamak experimental power reactor. (EPRI-ER – 376-SR) 361529
Easter, R.B.
ORMAK upgrade ohmic coil generator protection. (ORNL/TM – 6079) 377369
Easterly, C.E.
Health physics aspects of fusion power. (ORNL – 5171) 367565
Eastland, G.W.
Electron spin resonance studies of superoxide ions produced by radiolysis in alcoholic media. 357146
Radiation mechanisms. 354456
Eastlund, B.J.
Radiation emission and production of synthetic fuels. (EPRI-ER – 536-SR) 371829
Eastman, D.E.
Electronic structure of the thorium hydrides ThH_2 and Th_4H_{15}. 360035
Eastman, T.E.
Characteristics of late-time striations observed during operation stress. (LA-UR – 77-2835) 378951
Easton, D.S.
Mechanical behavior and stress effects in hard superconductors: a review. (ORNL/TM – 5857) 373219
Mechanical properties of superconducting Nb – Ti composites. 373181
Eastwood, J.W.
The solution of elliptical partial differential equations using number theoretic transforms with application to narrow or limited computer hardware. 374522
Eatherly, W.P.
Design, operation, and initial results from a series of graphite creep irradiation experiments. 360121
Inspection of high-temperature gas-cooled reactor recycle fuel. (ORNL – 5165) 363372
Properties of extruded fuel rods for HTGR applications. (CONF-770701 – 4) 352686
Quality control tests for high-temperature gas-cooled reactor recycle fuel. 376544
Eaton, R.R.
Isotope enrichment by aerodynamic means: a review and some theoretical considerations. 379363
Eatwell, A.J.
A 4.4 K refrigeration system for an industrial magnetic separator. 360616

Ebara, K.
Development of a laundry waste treatment system. 358488
Ebata, Sakae
Reactor. 360887
Ebding, T.
Velocity dependence of the Penning and rearrangement ionization cross sections of H_2 molecules by He (2^3S) and He (2^1S) atoms. 353239
Eberhard, K.A.
$^{12}C + {}^{18}O \rightarrow {}^{8}Be + {}^{22}Ne$ reaction. (RLO/1388 – 362) 372707
Back-angle anomalies in ^{6}Li scattering from ^{40}Ca and ^{44}Ca. 359461
Eberhard, P.H.
Large high current density superconducting solenoids for use in high energy physics experiments. 360722
Quenches in large superconducting magnets. (LBL – 6718) 370718
Eberhardt, A.
Experience in the inspection of X-ray facilities. 370681
Eberhardt, J.L.
Enhanced transient fields on Gd nuclei moving in magnetized Gd. 353446
Eberhardt, K.A.
Elastic scattering of ^{16}O by ^{14}C. (RLO/1388 – 362) 372705
Eberhardt, L.L.
Analysis of natural systems. Quantitative ecology of impact evaluation. (BNWL – 2100(Pt.2)) 362568
Initial synthesis of area 13 ^{239}Pu data and other statistical analyses. (NVO – 171) 378855
Some design aspects of transuranic field studies. (BNWL-SA – 5974(Rev.)) 351927
Statistical analysis and design of environmental studies for plutonium and other transuranics at NAEG "Safety-Shot" sites. 349625
Eberle, F.
Experimental data acquisition and processing of the dynamic behavior of the pressure vessel test internals under the HDR-blowdown-experiments. (KFK – 2435) 358207
Ebersold, P.
Precision measurement of the 3d-2p transition energy in muonic Mg, Si, P, by crystal spectrometer. 376954
Ebert, D.
Bilocal functional approach to dynamical symmetry breaking. (JINR-D – 1,2-10400(v.1)) 377719
Ebert, D.D.
Maneuvering experience at Calvert Cliffs, Unit 1. 358216
Ebert, L.J.
Analytical method for predicting plastic flow in notched fiber composite materials. 357273
Ebert, M.
The reaction rates of electrons with native and irradiated ribonuclease. 352005
Ebihara, K.
KEK fast cycling booster. 363141
rf acceleration in KEK booster. 363278
Ebihara, Satoshi
Tissue tolerance under the combination treatment of maxillary cancer. 354803
Ebinger, H.
The scintigraphy of the brain: development, methods and present consequence. 352095
Ebingerova, V.
Methods of measuring and evaluating data from the R3E 100 mm dia. experimental fuel element. 350247
The results of measurements and evaluation on experimental G-type and S-type elements. 350246
Ebisawa, K.
$^{13}C(^{3}He,\gamma_0)^{16}O$ reaction. (RLO/1388 – 362) 372742
Ambiguities in the determination of quadrupole strength from (p vector, γ_0). (RLO/1388 – 362) 372590
Direct, semi-direct and compound nuclear contribution to radiative alpha particle capture. (RLO/1388 – 362) 372591
E1 and E2 strength in ^{15}N(p vector, γ_0)^{16}O. (RLO/1388 – 362) 372692
Ebisuya, Mitsuo
Neutronics experiments of D-T fast neutrons by application of associated particle method. 359028
Ebrahim, A.
Cabibbo angle and quark masses in a four-quark model of quantum flavordynamics. 377720
Group theoretical structure of the charmed weak current and the chiral SU_4xSU_4 symmetry breaking Hamiltonian. 363771
Hierarchy of masses for pseudoscalar and vector mesons. 356406
Nonlinear Lagrangian model of chiral SU_4xSU_4 symmetry breaking for the pseudoscalar mesons. 363770
Eby, R.
Thermal-neutron capture and fission cross sections and resonance integrals for curium-243. 372704
Eccles, J.
Use of total cross sections for obtaining the anisotropic interaction potential in atom – diatom system. 368627
Eccleston, G.W.
Delayed neutron spectra: equilibrium spectrum. (BNL-NCS – 22500) 356753
Measured near-equilibrium delayed neutron spectra produced by fast-neutron-induced fission of ^{232}Th, ^{233}U, ^{235}U, ^{238}U, and ^{239}Pu. 362055
Echarri, A.
Quick methods of improving the field homogeneity of Atherton's type minimum volume superconducting coils. 360617
Echer, C.J.
Preliminary microstructural characterization by transmission electron microscopy of 14 MeV neutron irradiated type 316 stainless steel. (UCID – 17609) 373342
Echmaev, S.B.
Magnetic properties of molybdenum halides on polymeric carriers. 378293
Eck, J.S.
Dissipative forces and quantum mechanics. 364683
Nuclear shapes of ^{24}Mg and ^{28}Si by inelastic scattering of ^{12}C and ^{16} ^{18}O. 364766
Eck, R.
Processing coating materials in constructing nuclear power plants. 354463
Eckardt, J.R.
Surface tension and surface entropy of superfluid ^{4}He. 359194
Eckardt, R.C.
Optical pulse squaring effects in a dispersive delay line. (NRL-MR – 3525) 350887
Eckardt, V.
Charged particle multiplicity distributions in pp collisions at ISR energies. 356525
Eckart, G.
The nuclear 'twist'. 356608
Eckart, L.E.
Method for comparing the relative environmental impact of effluents from nuclear and fossil power plants. 378907
Eckblad, J.W.
Morphometry, benthos, and sedimentation rates of a floodplain lake in Pool 9 of the Upper Mississippi River. 362596
Eckelmeyer, K.H.
The effects of heat treatment on the microstructure and mechanical behaviour of U-0.75 wt% Mo-0.75 wt.% Nb-0.75 wt.% Zr-0.50 wt.% Ti. 369932
Eckels, J.D.
High resolution x-ray crystal spectrographs. (UCRL – 79781) 377457
Ecker, B.
Collective ion acceleration and power balance in intense electron beams in neutral gas. 363212
Ecker, G.
Investigations of the kinetics of the plasma arcing surface phenomena. (AED-Conf – 77-130-006) 353545
On the structure of the hadronic neutral current. 377721
Ecker, H.
Heat exchange with circular cross-section with numerous tube bundles. (German (F.R.) patent document 2517694/A/) 352462
Heat exchanger designed as longitudinal counter flow equipment. (German (F.R.) patent document 2517693/A/) 352678
Eckered, T.
Duties and responsibilities of the Nuclear Power Inspectorate and the National Radiation Protection Institute in connection with nuclear power plants. (INIS-mf – 4064) 371263
Eckert, J.
Lattice dynamics of fcc helium at high pressure. 360041
Neutron scattering study of magnetic ordering in the reentrant superconductor $ErRh_4B_4$. 373237
Eckert, W.R.
Combined radiolysis/GLC as a tool for the investigation of stabilizing mechanisms. 373056
Eckhardt, B.
An instrument for the determination, independent of position, of radioactively labelled aerosols in the lungs for clearance testing. (AED-Conf – 76-134-005) 355029
Eckhardt, W.
Low temperature behaviour of the blackbody radiation energy in the infinite slab resonator. 353070
Eckhause, M.
Radiative muon capture in calcium. 351365
Eckhoff, N.D.
Optimal power profile fuel management. 365881
Eckmann, J.P.
A numerical test of Borel summability in the epsilon-expansion of the hierarchical model. 361255
Eckold, G.
Quasi-elastic neutron scattering on α-AgJ: discussion of new results of measurement. (AED-Conf – 77-163-006) 350725
Ecksteler, H.
On the mass dependence of the energy factor ΔK of the isotope effect for impurity diffusion in copper. 371590
Eckstein, W.
Depth profiling of implanted ^{3}He in solids by nuclear reaction and Rutherford backscattering. 362546
The influence of surface conditions on the charge state of backscattering hydrogen. 368897
Eckstrand, S.A.
Plasma rotation during implosion in a theta pinch. 366503
Economou, E.N.
Inverse isotope effect and the x dependence of the superconducting transition temperature in PdH/sub x/ and PdD/sub x/. 360018
Economou, N.A.
Nature of dislocation loops in As-implanted and postannealed Si wafers. 351903
The ordered state of In_3Te_4. 369968
Economou, T.
Search for the production of particle-stable neutral nuclei at multi GeV energies. 369513
Economy, J.
Superconductive transition metal carbonitride fibers and method for the preparation thereof. (US patent document 3,951,870/A/) 357355

Ed Kelsey
The cross sections for 1s-2p excitation by electron impact. 353367
Eddy, D.S.
$MgO-Y_2O_3$-stabilized ZrO_2 ceramics in exhaust gas sensor. 362508
Eddy, N.W.
Figure-of-merit (FOM), an improved criterion over the normalized chi-squared test for assessing goodness-of-fit of gamma-ray spectral peaks. 355529
Edelbaum, T.N.
Fusion reactor control study. First annual report. (EPRI-ER – 533) 366531
Edelhaeuser, H.
Radioactive effluents and present and future radiation exposure of the population from nuclear facilities in the Federal Republic of Germany. 367751
Edeline, J.C.
Checks based on neutron emission at fuel fabrication and reprocessing plants. 371282
Edelman, R.A.
Models: their use and effectiveness. 358126
Edelmann, M.
The physical tests in the KNK-II. 376409
Edelsheim, L. von
Aspects of the design of earthquake-resistant support constructions for pressure vessels. 370819
Edelstein, N.
Absorption and emission spectra of U^{4+} diluted in $ThBr_4$ single crystals. 351859
Parametric energy level analysis of Ho^{3+}: $LaCl_3$. 360040
Thermodynamic properties of 5f elements. 369738
Edelstein, N.M.
Crystal structure of tetrakis[bis(N,N'-dimethylethylenediamido)uranium(IV)], a tetrameric globular complex. 367150
Edelstein, R.M.
Comparison of the line-reversed channels p-barp → $\pi^-\pi^+$ and π^+p → $p\pi^+$ at 6 GeV/c. 351232
Measurement of the line-reversed reactions p-barp → π^-rho$^-$ and π^-p → prho$^-$ at 6 GeV/c. 369376
Edelstein, S.A.
Collisional angular-momentum mixing of highly excited Na(n ^{2}D) states by N_2 and CO. 350614
Collisional fine structure mixing in BaCl. 353230
Eden, Sh.
Relaxation of dislocations in body-centered cubic and hexagonal close-packed metals after plastic deformation. (NRCN – 452) 371690
Eder, G.
The Coulomb potential of spherical nuclei. 359395
The influence of single-particle levels and interaction matrix elements on the pairing energy of rare-earth nuclei. 356596
Eder, K.
Environmental radiation exposure in case of power plant accidents. 376198
Eder, O.J.
Investigation of the Nb-Dsub(0.04) system under hydrostatic pressure by neutron scattering. 365138
Ederer, D.L.
Emission and absorption x-ray edges of Li. (CONF-770935 – 1) 362382
Edeskuty, F.
Experiments on the properties of superfluid helium in zero gravity. 359207
Edge, D.M.
A study of the arrival direction distribution of high-energy particles as observed from the Northern Hemisphere. 369068
Edge, R.E.
Inelastic scattering of π^+ Mesons from nuclei at 50 MeV. 369493
Edgington, D.N.
Radionuclide geochronology and pollution history recorded in lake sediments. 379132
Edginton, J.A.
Proton-proton elastic scattering from 150 to 515 MeV. (RL – 77-146/B) 375068
Edgren, M.
Effect of radioprotective aminothiols on the induction and repair of single-strand breaks in the DNA of irradiated mammalian cells. 376067
Edington, J.W.
Improvement in the accuracy of microanalysis with the combined electron microscope and energy analyser. 352839
Edison, B.A.
Radiation curable oligomers. (US patent document 4,025,548/A/) 351636
Edison, D.M.
414 integrated protection system prototype verification program. (WCAP – 9154) 363458
Ediss, C.
Clearance and elimination of ^{125}I-Rose Bengal in the sub-totally nephrectomized chronically uremic rat. 352078
Edlen, B.
Energy levels and transition probabilities in Mo XIV. 366329
Edling, D.A.
Analysis of Type A packaging systems based on greater than 400 individual packaging tests. 350014
Safety Analysis Report for Packaging (SARP): USA/9507/BLF (ERDA – AL), Model AL-M1. (MLM – 2447) 379473
Edminson, P.D.
In vivo labelling of acetyl-aspartyl peptides in mouse brain from intracranially and intracranially and intraperitoneally administered acetyl-L-[U-^{14}C]aspartate. 357624
Edmiston, D.
Low-temperature specific heat anomalies in the group V transition metals. 367258
Edmiston, M.D.
Energy resolution considerations in liquid ionization chambers. (LA-UR – 77-2357) 379879
Edmond, C.L.
Preliminary evaluation of the uranium favorability in the area northeast of Gunnison, Colorado. (GJBX – 61(77)) 362569
Edmonds Jr, J.D.
An approach to tachyon equations that is alternative to using (superluminal) Lorentz transformations. 355754
Edmonds, D.V.
Application of photoemission electron microscopy to the study of diffusional phase transformations in steels. 362431
Edmonds, E.
Operating experience with a large examination facility for irradiated plutonium fuel pins. 363124
Edmonds, P.H.
Electron heating by neutral beam injection in Ormak. (INIS-mf – 3963) 371961
Electron heating by neutral-beam injection in the Oak Ridge tokamak. 358985
Energy loss to the wall and limiter in normal ORMAK discharges. 371830
Edmonds, R.S.
Sweet cherries, apricots and prune-plums. 367670, 367671
Edneral, N.V.
Stress effect on martensite tempering process. 349457
Edney, C.J.
Some United Kingdom experience and practice in the packaging and transport of irradiated fuel. 367944
Edreva-Kardzhieva, R.
Optical spectra of ReO_2 and ReO_3. 375450
Edward, J.
Effects of an external magnetic field on discrete-particle processes in a plasma. 371831
Edwards, A.A.
The evidence for one-hit chromosome exchanges. 351990
Edwards, A.K.
Production of H^+ fragments from H_2 by fast projectiles. 363884
Edwards, A.R.
Some limitations on the use of the assumption of thermal equilibrium between phases: a comparison between theory and experiments on simple water filled systems. 376509
Edwards, B.J.
Two-body decays of vector and pseudoscalar mesons in a broken SU(4) scheme. 351154
Edwards, C.C.
New yttria plasters. (Y – 2104) 378769
Edwards, C.M.
Low-noise circuitry for low-temperature NMR and SQUIDs. 352380
Edwards, D. Jr.
Nitrogen pressure in a vacuum system. (BNL – 23195) 363093
Upper bound to the outgassing rate of metal surfaces. 352367
Vacuum guidelines for ISA insertions. (BNL – 50611) 357957
Edwards, D.K.
Thermal radiation effects on subassembly wall failure in fast reactors. 352286
Edwards, D.N.
Evidence for a narrow width boson of mass 2.95 GeV. 372519
Inclusive anti K^{*0} (890) production in π^-p interactions at 16 GeV/c. 356507
Observation of the reactions π^-p→anti pd at 10 and 16 GeV/c. 372520
Production of phi and f' in 10 GeV/c K^-p interactions. 353959
The reaction antiproton-proton →3πsup(-)πsup(+) between 1.09 and 1.44 GeV/c and the effect of $\pi\pi$ phase shifts. 369372
The slow proton trigger for the CERN OMEGA spectrometer. 368293
Edwards, D.O.
Surface tension and surface entropy of superfluid ^{4}He. 359194
Edwards, G.R.
Microstructural correlation between the mechanical behavior of large volume fraction particulate composites at low and high temperatures. 357367
Edwards, H.E.
Effects of ^{60}Co γ-irradiation on chondromucoprotein. 351991
Edwards, H.G.M.
The pure rotation Raman spectra of $^3H_2$ and SO_3 and the vibration-rotation Raman spectrum of $^3H_2$. 366326
Edwards, H.S.
Argonne Code Center: compilation of program abstracts. (ANL – 7411(Suppl.11)) 374513
Edwards, J.
The sodium chloride aerosol test for high efficiency air filter installations. 360497
Edwards, K.J.
Plasma fluxes between ionosphere and protonosphere. 378926
Post-geomagnetic storm protonospheric replenishment. 378927
Edwards, M.
Evidence for a narrow width boson of mass 2.95 GeV. 372519
Inclusive anti K^{*0} (890) production in π^-p interactions at 16 GeV/c. 356507
Observation of the reactions π^-p→anti pd at 10 and 16 GeV/c. 372520
The slow proton trigger for the CERN OMEGA spectrometer. 368293
The use of CAMAC in testing a large proportional chamber

readout system. 371092
Edwards, T.R.M.
Measurement of differential cross sections for elastic K^+p scattering in the momentum range 0.7 to 1.9 GeV/c. 372511
Edwards, V.W.
Training behaviour of pressure-impregnated superconducting racetract magnets. 360718
Edwige, Max
Iron ore and graphite acoustic emission. (CEA-CONF – 4029) 370787
Eenink, A.H.
Genetics of host-parasite relationships and the stability of resistance. 373709
Eenmaa, J.
Measurement of photon dose fraction in a neutron radiotherapy beam. 352353
Status report: direct track detector dosimetry in fast neutron beams. 367828
Eerkens, J.W.
High mass isotope separation. 373905
EerNisse, E.P.
Stress in ion-implanted CVD Si_3N_4 films. 351887
Efanov, A.D.
Approximate calculation of temperature and comparative efficiency of heat exchangers with cross-parallel coolant flow in the intertubular space. (FEI – 661) 349987
Calculation of the reactor core temperature field in case of two-dimensional or three-dimensional coolant flow. (FEI – 649) 376421
Efanov, V.A.
Rapid fluctuations of radio flux and polarisation in quasar 3C273. 351004
Efeshin, A.N.
Monitoring the reactivity of highly undercritical reactors by means of reactimeters and the source analog correction. 358090
Effat, K.
Implementation of Egypt's first nuclear power plant. 352535
Problems of implementation of the first nuclear power plant in developing countries with particular reference to Egypt. 352899
Effat, K.E.A.
Future fuel cycle requirements and radioactive waste management plans for Egypt's nuclear power programme. 371254
Projected role of nuclear power in Egypt and problems encountered in implementing the first nuclear power plant. 371222
Effer, W.R.
Some environmental effects of emissions from CANDU nuclear generating stations and heavy water plants. 360437
Effertz, P.H.
Fracture studies and detection of causes of failure. Problems with ferrous materials. 349491, 349511
Efimenko, B.A.
The NEXT module system for the M-220 computer. (FEI – 562) 350449
Efimenko, L.V.
Investigation into interaction of CO_2 molecules with zeolites by infrared spectroscopy. 349225
Study of active centers of alkaline earth zeolites of type Y by infrared spectroscopy. 375504
Efimenko, V.E.
Efficiency of a neutron detector of 'helium counters in a moderator' type. 374359
Efimenko, V.F.
Time-of-flight method for neutron spectra measurement in fast critical assemblies. (FEI – 620) 358359
Efimov, A.A.
Protective coating effect on the workability of joints produced by welding in carbon dioxide. 349386
Efimov, A.I.
Interaction of scandium trichloride with molten sodium chloride or potassium chloride. 349202
Phase diagram of the AgCl-CsCl-KCl system. 375598
Phase diagram of the $ScCl_3$-NaCl-KCl system. 349310
Turbulence and velocity of the plasma near the Sun deduced from "Venera-10" radio transmission experiments. 369069
Efimov, A.N.
Precipitation of molybdenum during concentration by evaporation of nitric-acid solutions. 349378
Efimov, B.V.
Investigations for development of power high-voltage storages of nanosecond range for power electron beam production. (INIS-mf – 3954) 361538
Efimov, E.
Aspects of nuclear safety at power plants and fuel cycle plants in the USSR. 370582
Efimov, G.V.
Nonlocal quantum field theory. (JINR-D – 2-9788) 374558
Efimov, I.A.
An adsorption method for BR-5 primary cover gas decontamination from radioactive xenon. (IWGFR – 7) 361006
BR-5 primary circuit decontamination. (IWGFR – 7) 360973
Efimov, I.P.
Study of properties of β-diketones and their complexes with some rare earths. (INIS-mf – 4191) 375451
Efimov, L.G.
Camac interface of the IV-532 type for the EMG-1362 digital voltmeter. (JINR – 10-9062) 350356
Use of the alphameric display of the VT-340 tape on-line with the BESM-4 computer. (JINR – 10-8833) 355610
Efimov, M.R.
Mitotic cycle Pliss ovarian tumour cells and Pliss lymphosarcoma. 378958
Efimov, N.N.
Anisotropy of superhigh-energy particles. 361694
Measurements of energy spectrum of primary cosmic rays in the energy range above 10^{17} eV. 361697
Efimov, O.N.
Reduction of N_2 on $Ti(OH)_3$-Mo(3)-sodium amalgam system. 359667
Efimov, O.Yu.
Superplasticity of the alloy VT9. 365178
Efimov, S.B.
Generation cross-sections of characteristic x radiation of atoms while bombarding by nitrogen ions. (INIS-mf – 3915) 348676
Efimov, V.E.
Refining kinetics and limiting content of interstitials in niobium. 378568
Efimov, V.N.
Influence of magnetic field inhomogeneities on spontaneous and resonance depolarization of ultracold neutrons. (JINR-R – 4-8253) 354003
Reactivity change rate during the BOR-60 reactor core life. 358403
Efimov, Yu.V.
Effects of a rapid quenching of superconductors. 375889
V-Ga-Cu system. 378725
Efimova, A.I.
Primary principles of the ES-5012 magnetic storage device use in the SDS-1604A computer. (JINR – 11-9188) 352829
Efimova, L.P.
Investigation into formation of zinc and cadmium acetate complexes in solutions by solubility method. 362178
Efimova, M.A.
Cross-section of gamma-quantum production in inelastic interaction of 14 MeV neutrons with some light, intermediate and heavy nuclei. (INIS-mf – 3897) 356711
Efimova, Z.I.
Processing of uranium raw material abroad. Pt. 3. Palnts, acting on schemes of acidic leaching with sorption of uranium from pulps and on schemes of carbonate leaching. 357202
Efimushkina, L.I.
Physicochemical study of $ZrOCl_2$-$ZnCl_2$-H_2O system at 25 deg. 369594
Efremenko, V.I.
Comparison results of automatic and semiautomatic processing of images from the ITEF 1,5 m spectrometer. 361074
Efremov, A.P.
Static homogeneous cosmological models in the Einstein-Cartan theory. 369070
Efremov, A.V.
Light-cone expansions and parton model. 363772
Processes with high transverse momentum. (JINR-D – 1,2-9342) 356407
Efremov, E.P.
Precipitation of molybdenum during concentration by evaporation of nitric-acid solutions. 349378
Efremov, G.A.
Use of radioactive tracer for investigation into distribution of polyacrylic acid grafted onto polyethylene. 362259
Efremov, N.M.
Experimental study on nozzles of MHD-generators with deformation of a supersonic flow. 374989
Efremov, O.A.
Comparative study of the absorbed dose rate of mixed gamma and neutron radiations in the WWR-M reactor experimental channel for biological studies. 379381
Efremov, V.A.
Spectral-luminescent properties of double molybdates with palmierite structure. (INIS-mf – 3955) 366470
Efremov, V.N.
Monad method and canonical formalism of general relativity. 376889
Efremov, Yu.V.
A simulator of the well-type gamma-spectrometer with Ge(Li)-semiconductor detector. 349622
Efremova, G.I.
Complexing in aqueous solutions of rare earth n-aminobenzoates. 351485
Investigation into rare earth n-aminobenzoates by thermography and IR spectroscopy. 369619
n-aminobenzoates of rare earths. 351484
Efryushina, N.P.
Luminescence spectra of lanthanide ions in crystallophosphors during excitation by X-radiation and their use for yttrium preparations analysis. (INIS-mf – 3955) 378253
Modern state of methods for determination of lanthanide microimpurities in high-pure rare earth preparations by using crystallophosphors. 364861
Ratio of intensities of spectral bands of Sm^{3+} and Eu^{3+} luminescence spectra in some crystal phosphors. 368628
Eftekhar, R.
HAZ impact toughness of a Mn – Mo – Nb linepipe steel. 351704, 351743
Efthimion, P.C.
Stimulated Raman scattering by an intense relativistic electron beam in a long rippled magnetic field. 350605
Egami, N.
A note on immediate mortality in the fish Oryzias latipes after exposure to massive γ-radiation. 379021

Egami, T.
Low-field magnetic properties of amorphous alloys. 362399
Egan, A.
IDENT – a radioisotope-identification subroutine for use with the gamma-ray spectrum analysis program SAMPO. 375237
Egan, G.R.
The application of elastic-plastic fracture mechanics parameters in fracture safe design. 374156
Egan, M.L.
^{57}Co: a volume marker for the triple-isotope, double-antibody radioimmune assay. 357682
Eganyan, I.L.
Spectrometer for the investigation of electron momentum distribution in solids by means of the positron annihilation method. 366405
Egashira, Katsumi
Countermeasures to prevent leakage from valve stem area. 355137
Egawa, Jun
Tissue tolerance under the combination treatment of maxillary cancer. 354803
Egawa, Kenji
Electron-microscopic changes in squamous cell carcinoma of the uterine cervix following linac irradiation. 349762
Egawa, Yoshiro
Energy loss accompanying the electron captures in highly evolved stars. 353675
Ege, G.
Structure determination of organic compounds by 'electron pyrolysis'. Pt. 6. 367030
Ege, G.N.
Evaluation of radiocolloid sizing techniques. 352136
Iodinated E. coli 70S ribosomes as a radiocolloid of uniform particle size for lymph-node and liver scanning. 373644
Egelev, I.M.
Investigation of the photomultiplier sensitivity to gamma quanta. 371115
Egelhaaf, C.
VICKSI beam line instrumentation and control system. 363213
Egelman, E.
Elastic neutrino proton and antineutrino proton scattering. (COO – 3071-231) 361884
Egelund Christensen, B.
Semiquantitative determination of Fc and C3 receptors on human lymphocytes by isotope-labelled marker cells. 354892
Eggeler, E.
Steam generator with a preheater. (German (F.R.) patent document 2346454/A/) 350224
Eggen, D.T.
Simulation of the cladding freezing during the loss of flow accident in a Gas-Cooled Fast Breeder Reactor. (NUREG – 0215) 352733
Simulation of transient freezing of cladding in GCFR blanket channels. (CONF-761001 – P4) 362888
Eggen, O.J.
Is star formation bimodel. II. The nearest early-type stars. 361693
Eggenberger, M.A.
Emergency tripping device. (German (F.R.) patent document 2627369/A/) 355272
Eggenhuisen, H.H.
High-spin states of ^{39}K and ^{42}Ca. (INIS-mf – 4267) 377986
Lifetime measurement of ^{22}Ne(4_1^+) with the high-velocity coincidence DSA method. 377987
Eggens, C.J.
Particle distributions and early phases of ionization in proposed convergent neutral-beam experiments. 358980
Egger, F.
Ionization of ammonia and deuterated ammonia by electron impact from threshold up to 180 eV. 366354
Ionization of phosphine and deuterated phosphine by electron impact from threshold up to 180 eV. 350648
Partial and total electron impact ionization cross sections of NH_3. 368672, 368673
Egger, J.
A new upper limit for the decay $\mu^+ \rightarrow e^+\gamma$. 369383
Study on antiprotonic atoms of light nuclei and isotopes. 371523
Egger, J.P.
Comparison of the π^+ and π^- elastic scattering from ^{12}C over the πN(3,3) resonance region. 362089
Egger, W.
Use of a position-sensitive proportional counter system for measurement of thin-layer chromatograms of ^{14}C-labeled substances. 375329
Eggers, R.
Detailed studies of the reaction mechanisms of 120-MeV ^{20}Ne with ^{27}Al. (ORO – 3924-29) 366997
Strongly damped collisions of 197 MeV ^{12}C projectiles. (ORO – 3924-29) 364767
Eggert, K.
Charged particle multiplicity distributions in pp collisions at ISR energies. 356525
Charged particle multiplicity distributions in pp-collisions at ISR energies. 353996
Eggington, A.
Comment on the influence of substrates on the superfluid density of thin helium-four films at T=O. 351113
Eggleston, F.T.
Safety related research and development for Westinghouse pressurized water reactors. Program summaries, Winter 76. Topical report. (WCAP – 8768(Rev.1)) 352219
Eggleton, P.P.
A reappraisal of the gap in the HR diagram of M67. 374937
Egikyan, A.G.
UBV-surface photometry of Markarian 190 galaxy. 377590
Egikyan, D.L.
Investigation of structural perfection of semiconductor crystals and heterostructures by means of synchrotron radiation. (EFI – 206(52)-76) 379971
Eginyan, K.Sh.
Investigation of inclusive proton photoproduction by bremsstrahlung gamma quanta with maximum energy 2.0-4.5 GeV. 369458
Egleme, M.
Simulation of hypothetical core disruptive accidents in vessel models. (CONF-761001 – P3) 365544
Egorenkov, P.M.
Experimental water-water reactor. (Soviet patent document 438353/A/) 365998
Egorov-Tismenko, Yu.K.
Crystal structure of chkalovite Ge-analoque, $Na_2Be(Ge_2O_6)$. 349215
On crystal structures of Na_2ZnSiO_4 and Na_2BeSiO_4. 351566
On crystal structures of natural rhodonite $CaMn_4[Si_5O_{15}]$ and synthetic $NaHCd_4[Ge_5O_{15}]$ and $LiHCd_4[Ge_5O_{15}]$. 357066
Egorov, A.I.
Big optical spark chambers and pulse generators for their suppling. (JINR-R – 13-9745) 358364
Neutron total cross-section for isotopes. (INIS-mf – 3897) 356752
Search for a neutron electric dipole moment using ultracold neutrons. (INIS-mf – 3895) 355525
Testing of logarithmic neutron-guide on the VVR-M reactor. (INIS-mf – 3895) 355149
Egorov, B.N.
Fluorolon coatings of cold drying for radiation-protective equipment. 349576
Egorov, I.A.
Development of the nuclear power industry in the USSR. 366134
Egorov, J.A.
Action of ATP on DNA injured by a prolonged irradiation. 362669
Egorov, L.P.
The shape of melt column during crystal growth from under the flux layer. 378254
Egorov, O.K.
Determination of relative probabilities of the Ksub(μ2)sup(+), Ksub(π2)sup(+), Ksub(μ3)sup(+) and Ksub(e3)sup(+) decays using a magnetic spectrometer with streamer chambers. (ITEF – 28) 361902
Egorov, T.A.
Anisotropy of superhigh-energy particles. 361694
Egorov, V.A.
Chamber for temperature investigations with nqr radiospectrometer. (Soviet patent document 437959/A/) 379972
Crystal structure and magnetic properties of films of Sm, Gd and Tb compounds with 3d-metals of Laves phase type. 357265
On eutectoid decomposition of the $SmCo_5$ compound. 369933
Egorov, V.D.
Plasma reflection and zone structure of bismuth-antimony, doped by tellurium and tin. 348765
Egorov, V.N.
Spectral isotopic determination of nitrogen in metals using direct current arc. 375258
Egorov, V.S.
On the metasomatic uranium deposits in the Bohemian massif. 375976
Egorov, Yu.S.
Half-life of sup(242)Pu. 377983
Egorov, Yu.V.
Adsorption of zirconium from nitric acid solutions on hydrated tin dioxide. 357124
Application of ultrasonic impedance method for investigating coolant properties. (INIS-mf – 3914) 349578
Investigation into kinetics of sorption of some radionuclides by mixed sorbents based on amorphous niobium phosphate. 369591
Egorova, L.A.
Beryllium coprecipitation with iron hydroxide. 359753
Egorova, L.G.
Synthesis and study of properties of d,l-N,N-N'N'-tetracarboxymethyl-α,β-diaminopropionic acid. 364923
Egorova, N.D.
Radioprotective action of pantothenic acid (vitamin B_3). 354789
Egorova, O.S.
Inactivation of hemopoietic stem cells by lymphocytes as related to genotype of interacting cells. 354790
Egorova, V.G.
Preparation and investigation of protonated pyrocatecholmethylene-iminodiacetates of cerium subgroup rare earths. 349239
Egorova, Z.S.
Some features of chemical-radiation processes in the system of polyfunctional monomerpolyvinyl chloride. 369780
Egorushkin, V.E.
Theoretical study of electron energy spectrum in metals and metallic alloys. 371591
Egoshin, I.N.
Spectrometry of radioactive nuclide radiation using semiconductor detectors. (JINR-R – 6-9071) 350339
Eguchi, T.
Structure of the Yang-Mills vacuum in the Coulomb gauge. 368512
Eguchi, Wataru
Dissolution of gaseous methyl iodide into aqueous sodium hydroxide solutions. 372944

Egurnova, M.G.
The types and geophysical characteristics of terrigenous rock reservoirs of Dneprovsko-Donetskaya basin. 349663
Egyed, J.
Rate dependence on the alkane chain size in the hydrogen exchange reaction between amino-isoalkanes and sulfuric acid. 349216
Ehdel'man, F.L.
Kinetics of phase growth in the thin-film Mo-Al system. 349463
Ehdel'man, V.S.
Nonlinear cyclotron resonance of electrons localized over the surface of liquid helium. 369248
Ehdemskij, V.I.
Combined operation of the I-2 injector into three beam extraction channels. (ITEF – 34) 376371
Ehdiger, Eh.G.
Study of uranium (6) trioxide dihydrate reaction with aqueous solutions of sodium chloride. 362116
Eherenberg, L.
Induction of a morphological mutant in Mycobacterium phlei by gamma-radiation and ethyl methanesulfonate. 373500
Ehfendiev, E.G.
Electron diffraction study of crystallization kinetics of In_2S_3 amorphous films. 355979
Ehfendiev, Eh.G.
Investigation into interaction of indium, sulfur and In_2S_3 films. 369584
Ehfendiev, K.I.
Moving strations in a longitudinal magnetic field. 348909
Ehglite, G.Ya.
Determination of impurity elements in initial MgO, MnO and CuO-ferrite materials by activation analysis. (INIS-mf – 4188) 375342
Ehjdus, L.Kh.
Permeability changes and incorporation of labelled thymidine into DNA and whole cells of the fibroblast culture of Chinese hamsters affected by MEA and low temperature. 378959
Relationship between chemical protection and reparation of radiation – induced damages chromosomes. 378993
Ehjdus, Ya.T.
Carbonylation of aliphatic and cyclic alcohols by carbon oxide in the presence of BF_3 complexes with acetic propionic or monochloracetic acid. 375537
Catalytic hydrocondensation of carbon oxide with olefins and their hydropolymerization under carbon oxide and hydrogen action. 375502
Ehjnullaev, A.V.
Magnetic properties of compounds of $CrLn_2Se_4$ type. (INIS-mf – 4040) 378255
On synthesis and investigation into yttrium chalcochromite. 375499
Ehjramdzhyan, T.O.
New scanning method for the visualization of X-ray topographic pictures. 352840
Ehjsmont, V.P.
Determination of some product yields in ^{252}Cf fission by means of measurement of soft electromagnetic radiation. (INIS-mf – 3896) 356748
Ehjvazov, A.M.
Consideration of clay in rocks in discriminating carbonate reservoirs in Eastern Turkmenia. 349623
Ehkkerman, V.M.
Efficiency of alpha radiation detection by means of scintillation plastic granules. 371093
Ehkkert, D.
Critical currents in ternary molybdenum chalcogenides. 377676
Ehl'-Nagi, A.
Search for new short-lived particles in 70 GeV/c proton collisions with nuclei of photoemulsion. 369352
Ehl'ner, V.Ya.
Moessbauer studies of the distribution and charge of the vacancies in α-leboite crystal lattice. 366467
Ehl'vikh, L.I.
Radical products of γ-radiolysis of barium nitrate at room temperature. 375681
Ehlbakyan, G.M.
Energy resolution of a scintillation counter with a large NaJ(Tl) crystal. 358337
Ehlek, A.
Methods of standardization in activation analysis on reactor neutrons. (INIS-mf – 3994) 378162
Ehler, A.W.
High-energy ions from a Co_2 laser-produced plasma. 371478
Ehlermann, D.
Comparison of toxin production by clostridium botulinum type E in irradiated vacuum-packed trout (Salmo gairdneri). 376187
Ehlers, K.W.
Performance of a developmental 120-keV, 10-A deuterium (14-A hydrogen) neutral beam system. (LBL – 6384) 377347
Ehllanskij, M.M.
Computer processing of geological-geophysical information on the gas-bearing series of the Sourth-East Dnieper-Donetsk hollow. 378827
On the possibility of improving the informativity of radiometric data in complex interpretation. 367389
Ehllert, G.V.
Synthesis and crystal structure of potassium trisulfatouranylate, $K_4[UO_2(SO_4)_3]$. 349328
Ehllis, D.E.
Electron spectra and energy transfer in YVO_4-Eu. (INIS-mf – 3955) 378282
Ehmann, W.D.
Precise simultaneous determination of zirconium and hafnium in silicate rocks, meteorites and lunar samples. 364887
Ehmanuehl', N.M.
Critical phenomena in catalyzed oxidation of aldehydes. 357069
Ehngel'ko, V.I.
Application of explosive-emission cathodes for the production of high-current electron beams of large duration. (INIS-mf – 3954) 363178
Production and investigation of a high-current microsecond electron beam. 357989
Ehnholm, G.J.
Theory of the signal transfer and noise properties of the rf SQUID. 374008
Ehnker, M.B.
Nuclear-geophysical methods of testing for lead and barium in natural bedding. 376017
Ehnrike Karrasko Ehskobar, V.
Effect of ph value of solution on electrodeposition of ruthenium structure of electrolytic ruthenium films. 357077
Ehntin, I.R.
Ordering domain in vanadium deuteride. 358870
Ehntin, R.I.
Combined steel hardening using fine grain austenitizing. 357331
Influence of austenite grain size on mechanical properties of chromium-nickel structure steels. 349532
Ehntin, S.D.
Providing for the necessary quantity of delta-ferrite in metal of austenite-ferrite welds. 375798
Quantitative determination of ferrite content in chromium-nickel steel welds. 369564
Ehpik, O.P.
The x-ray diffraction analysis method. (Soviet patent document 494670/A/) 375848
Ehpov, D.G.
On thermal dissociation of ammonium complex fluorides of zirconium and hafnium. 357011
Ehpova, T.I.
Activity of molybdenum-containing oxide catalysts in the reaction of ethane oxidation. 369646
Ehpp, V.Ya.
Floating orbit method in the synchrotron radiation theory. 350056
Ehpshtejn, I.M.
Oxygen effect and intracellular oxygen content (adaptation hypothesis). 378984
Ehrenkaufer, R.L.E.
Sterochemical consequences of hydrogen exchange as a result of tritium atom reactions on solid aliphatic amino acids. 362176
Ehret, B.
Consideration of local cross-sections in nodal burn-up calculations. 370805
Ehrfeld, U.
The physics of uranium-235-enrichment in the separation nozzle process. Pt. 4. 365648
Ehrfeld, W.
Influence of process gas temperature on the uranium isotope separation in the separation nozzle. (KFK – 2466) 360553
The physics of uranium-235-enrichment in the separation nozzle process. Pt. 4. 365648
Ehrgeshbaev, D.
Study of dithiocarbamides of zinc and cadmium acetates by means of infrared spectroscopy and differential thermal analysis. 354341
Ehrglis, D.Eh.
Method for measuring the coordinates of nuclear particle tracks. (Soviet patent document 428325/A/) 379973
Ehrglis, K.Eh.
Automatic technique for determination of nuclear particle track directions. (Soviet patent document 440342/A/) 355611
Ehrgma, Eh.V.
On possibility of helium explosive burning in small mass stars. 364315
Ehrhardt, J.
Application of a method for producing material capable of becoming superconducting with embedded superconductive particles. (German (F.R.) patent document 2511989/B/) 367212
Process for the manufacture of ductile superconducting materials. (German (F.R.) patent document 2557841/A/) 375761
The production of dispersion materials. 360012
Ehrlich, K.
Electron microscope observations on pore swelling of the steel 1.4970 in the RAPSODIE cluster experiment. 370151
International conference on irradiation effects in structural materials for breeder reactors. 373329
Reactor materials investigations and development. (KFK – 1277/2) 371052
Ehrlich, M.
Exposure spectra from NBS vertical-beam ^{60}Co gamma-ray source. Final report. (PB – 269341) 379376
Ehrlich, R.D.
Depolarization effects in pulsed photoionization of state-selected lithium. 350556
Measurements of polarization in K^-p elastic scattering at low energies. 361883
Ehrman, C.S.
Models: their use and effectiveness. 358126
Ehrniyazov, Kh.
Investigation into electrophysical properties of $GaSnTe_2$, Ga_2SnTe_3, $Ga_3Sn_7Te_{10}$ in solid and liquid states. 354331

Ehsenski, I.
Task package processing on the Minsk-32 computer. (JINR – 11-9323) 353021
Ehsenski, J.
Possibilities for use of the Display-Focal interpretative language. (JINR – 11-9707) 350440
Ehskyud'e, Zh.L.
On polarization phenomena in some nuclear reactions induced by protons in light and intermediate nuclei. 375198
Ehst, D.
Resistive requirements for the vacuum wall of a Tokamak Fusion Reactor. (CONF-771029 – 182) 377363
Ehst, D.A.
Quasi-linear and nonlinear theory of dissipative trapped particle instabilities. 371832
Ehtin, G.I.
Determination of momentum density of electrons in a matter by positron annihilation method. 361415
Direct determination of positronium in a matter according to compton profile and angular correlation of annihilation radiation. 377312
Positron capture by point defects in ionic crystals. 374660
Ehtinger, V.R.
Operational evaluation of ore quality using x-ray radiometric and gamma gamma methods in copper pyrite deposits in the Urals. 351933
Ehuker, M.B.
On the choice of optimal geometric conditions in scattered gamma radiation measuring method. 367357
Eibenschutz, J.
Effects of underdevelopment on developing nuclear power. 365844
Eiber, R.J.
Review and assessment of research relevant to design aspects of nuclear power plant piping systems. Final report. (NUREG – 0307) 352640
Eibert, M.
Proton-neutron interaction in odd – odd indium nuclei. 372743
Eibs, H.G.
Differential sensitivity of preimplantation mouse embryos to uv irradiation in vitro and evidence for postreplication repair. 365382
Eichenberger, W.
A new upper limit for the decay $\mu^+ \rightarrow e^+\gamma$. 369383
Eichenherr, H.
Continuity equations for the classical Euclidean two-dimensional non-linear sigma-models. (DESY – 77/48) 353071
Eichholz, G.G.
Hazards and control of ruthenium in the nuclear fuel cycle. 379092
Validity and design of environmental surveillance systems for operating nuclear power plants. Final report. (EPRI-NP – 604) 379239
Eichhorn, H.
Least-squares adjustment with probabilistic constraints. 372155
Eichhorn, H.J.
Simplified standardized calculation of dose distribution for ^{60}Co pendulum irradiation of esophageal carcinoma. 373935
Eichhorn, O.
Design of an irradiation device for the determination of the in-pile creep behavior of zircaloy cladding tubes under internal and external over-pressure, in FRG-2. 360737
Eichinger, B.E.
Projective spacetime. 350499
Eichler, B.
Behaviour of volatile radionuclides in a tube with temperature gradient in vacuum. (ZfK – 346) 372956
Experiments to produce isotopes of superheavy elements with atomic numbers 114-116 in ^{48}Ca ion reactions. 372801
Eichler, R.
Dosimetric studies of eye exposure in radiation therapy of tumours in the head and cervical region with fast electros from a 17-MeV betatron. 376230
Precision measurement of the 3d-2p transition energy in muonic Mg, Si, P, by crystal spectrometer. 376954
A process for the preparation of uranium dioxide particles by deposition in a fluidized bed. 365193
Eichler, T.V.
Accidental vapor phase explosions on transportation routes near nuclear plants. (ANL-K – 77-3776-1) 379240
Eichling, J.O.
Determination of radionuclide concentrations with positron CT scanning (PETT): concise communication. 352096
Eichmann, G.
Jets and hadron-balls in e^+e^-. (DESY – 77/46) 353795
Eichner, H.
Effects due to Coulomb interaction in the sequential decay reaction ^{2}H(α, pα)n. 351271
Quasi-free contributions in the ^{6}Li(d,tp)^{4}He-reaction at Esub(d) = 0.465 MeV. 356867
Eichner, S.
Spin polarization of electrons at oriented surfaces of ferromagnetic single crystals determined with electron capture spectroscopy. (INIS-mf – 3996) 366406
Eicke, H.F.
German coastal survey, a comparison of the distribution and behavior of caesium and some transuranic isotopes. 354693
Eickel, R.
Studies of X- and gamma-ray energy transfer to biological model structures. (Juel – 1412) 358360
Eickelpasch, N.
Analyses of occupational radiation exposure received at Gundremmingen nuclear power station, and its implications on the design of current and future power plants. 370549
Experience with plutonium recycle fuel for large light-water reactors in the Federal Republic of Germany. 368095
In-situ decontamination of parts of the primary circuit in Gundremmingen nuclear power plant. 370645
Investigations of the uses of programmes for fuel rod preservation. 370833
Eickenbusch, W.
^{131}I labelled toluidin blue for differentiating between liver and bile duct diseases. (INIS-mf – 4010) 367617
Eickmeyer, J.
Experimental study of nuclear shadowing in photoproduction. 359342
Eidmann, K.
Reflection losses from laser-produced plasmas. 374820
Eidson, A.F.
Inhalation toxicology of industrial uranium and plutonium mixed oxides. I. Generation of aerosols from dry powders and preliminary rodent studies. (LF – 56) 365419
Eidus, L.K.
Seasonal oscillations of the radiosensitivity of cells in culture. 349694
Eifler, I.W.
Model for predicting temperature fluctuation characteristics beyond the exit of LMFBR subassemblies with faults. (CONF-761001 – P4) 363506
Eifler, W.
Multichannel analysis for predicting temperatures and boiling initiation in LMFBR subassemblies during a flow transient. (CONF-761001 – P4) 362986
A new computer code to describe three-dimensional temperature fields in rod cluster fuel elements with spacer grids. 371305
Eigenwillig, G.
Spent fuel element storage. 370862
Eijk, R.V.W. van
Carbohydrate incorporation in plasma membranes of mouse thymocytes stimulated by concanavalin A. 360393
Eilbert, R.F.
Partial body calcium determination in bone by proton activation analysis. 349161
Eilebrecht, B.
ENDOR measurements of S^- centres in alkali halides. 374705
Eilers, H.
Renal function measurements before and after catheter embolisation of the renal artery. (INIS-mf – 4010) 357694
Einasto, J.
Galactic mass density in the vicinity of the sun. 369119
Einfeld, E.
Evaluation of resistance and tolerance in wheat against Puccinia striiformis and in barley against Erysiphe graminis. 373746
Einhorn, M.B.
On the bare pomeron graph in two-dimensional QCD. 353796
Einhorn, N.
Effect of radiation therapy on the mitogenic response of in vitro irradiated human lymphocytes to phytohaemagglutinin. 376055
Einsweiller, K.
Differential cross sections for p-^{4}He elastic scattering at GeV energies. 354220
Einwohner, T.H.
Dynamic Stark splitting by coupled one- and two-photon resonances. 350695
Eiro, A.M.
^{3}He D-state effects in (d,^{3}He) reactions. 356865
Eisberg, R.
Design and performance of an 8 cm thick intrinsic germanium detector telescope. 363559
Eisele, F.
A detector for high-energy neutrino interactions. 379899
Is there a high-y anomaly in antineutrino interactions. 351222
Like-sign dimuon events produced in narrow-band neutrino and antineutrino beams. 356512
Measurement of the neutral to charged current cross section ratio in neutrino and antineutrino interactions. 361888
Observation of a neutrino event with four energetic muons. 372525
Observation of trimuon events produced in neutrino and antineutrino interactions. 356511
Study of inclusive neutral current interactions of neutrinos and antineutrinos. 369377
Eisele, F.L.
Cs^+-Kr and Cs^+-Xe interaction potentials. 377015
Eisele, G.R.
Gastrointestinal absorption and distribution of ^{144}Ce in the suckling pig. 365448
Eisele, R.D.
Nuclear start-up. 376583
The start-up programme. 376585
Eisen, Y.
Comparison of light- and heavy-ion emission from the ^{12}C + ^{16}O system. 359529
Total fusion cross sections for ^{18} ^{17} ^{16}O + ^{27}Al at energies near the Coulomb barrier. 366972
Total fusion cross sections for ^{18}, ^{17}, ^{16}O+^{27}Al at energies near the Coulomb barrier. (WIS-Ph – 77/19) 366932
Eisenbarth, P.
A nondestructive method for age determination of fossile bone. 364862

Eisenbarth, S.R.
Stopping cross sections of oxygen for 0.3 – 2.0-MeV α particles in saturated alcohols and ethers. 364620
Eisenbeiss, G.
The physics of uranium-235-enrichment in the separation nozzle process. Pt. 4. 365648
Eisenberg, A.
Radioactive fallout studies in Israel. (INIS-mf – 4052) 373756
Eisenberg, E.
Pasteurization of poultry feed by γ ionizing radiation. (IA – 1338) 365481
Sterilization of surgical sutures by gamma radiation. (IA – 1338) 365493
Eisenberg, J.M.
The exchange of rho-mesons in π-d and π-^{4}He elastic scattering. 369436
Isovector correlations and pion single charge exchange reactions in light nuclei. 372686
Eisenberger, P.
Separated function focusing monochromator system for synchrotron radiation. (BNL – 23353) 379499
Eisenbud, M.
Radioactivity studies. Progress report, July 1, 1976 – June 30, 1977. (COO – 3382-16) 379090, 379104, 379105, 379106, 379107, 379118, 379119, 379120, 379126
Eisenburg, J.
Comparison of results obtained by scintigraphy and by computerized tomography of patients with liver diseases. (INIS-mf – 4010) 362835
Eisendrath, Henri
Measurement of the ratio of the nuclear magnetic moments of mercury odd isotopes. 356754
Eisenhandler, E.
Antiproton-proton total elastic cross sections in the T and U regions (0.69 – 2.43 GeV/c). (RL – 77-098/A) 349058, 361880
Measurement of the polarization parameter for antiproton-proton annihilation into charged pion and kaon pairs between 1.0 and 2.2 GeV/c. 353949
Eisenhauer, C.M.
Californium-252 fission spectrum irradiation facility for neutron reaction rate measurements. (BNL-NCS – 22500) 356775
Eisenhawer, S.W.
An investigation of forced convection boiling of sodium at low heat fluxes in electrically heated seven pin bundles. (CONF-761001 – P4) 362908
Eisenhut, M.
Application of pulse cytophotometry in clinical oncology. (INIS-mf – 4010) 370434
Eisenmenger, W.
Sources of loss processes in phonon generation and detection experiments with superconducting tunneling junctions. 374779
Eisenreich, M.
General information on radiation protection in applying radiation devices. 1. 373557
Eisenschitz, T.S.
SU(6)sub(w) fits in baryon photoproduction and electroproduction: D_{13}(1520), an example. 356385
Eisenstaedt, J.
Density constraint on local inhomogeneities of a Robertson-Walker cosmological universe. 364316
Eisenstein, B.
Baryon exchange in π⁻ induced two-body reactions at 9GeV/c and 12GeV/c. (LPNHEX – 77-04) 369355
Eisler, P.L.
Use of neutron capture gamma radiation for determining grade of iron ore in blast holes and exploration holes. 375977
Eitner, G.
The influence of prophage lambda on the mutagenic response of Escherichia coli to ultraviolet radiation. 354755
Eitz, A.W.
Experience with the construction and operation of the 1200-MW Biblis 'A' nuclear power plant. 370912
Solving safety problems in nuclear power station practice. 376485
Ejhnasto, Ya.Eh.
Hidden mass in galaxies. 351005
Ejici, H.
Isomeric quasiparticle states in ^{174}Hf. (RLO/1388 – 362) 372715
Ejiri, Fumiaki
Device for purifying interior of nuclear reactor. 350199
Fuel support. 368117
Lower tie plate in a fuel assembly. 379647
Ejiri, H.
Annual report of Research Center for Nuclear Physics, Osaka University. 361239
Ekberg, E.L.
Solution for remote handling in accelerator installations. 363175
Ekberg, G.
Nuklear power in Sweden – policy and reality. 376788
Ekberg, K.
Studies of decay power for KBS part 1. Literature review part 2. Calculations. (KBS-TR – 07) 363643
Ekberg, S.
Potential constants and structure of the UF_5 monomer. 350635
Ekbom, L.
Quantitative SIMS of tungsten base composite alloys. 369556
Ekdahl, C.A.
Experiments on end-loss phenomena and material end plugs in a 5-M linear theta pinch. (INIS-mf – 3963) 353589
Solid – end-plug experiment on a theta pinch. 350819
Ekdahl, T.
A high Luminosity electrostatic spectrometer for conversion electron Moessbauer spectroscopy. (USIP – 77-23) 353400
Ekeloef, T.
Coherent production of low-mass pπ⁺π⁻ states in the interaction of 18.6 GeV/c protons with ^{4}He nuclei. 372518
On the precision with which the phase of the forward elastic amplitude can be determined in Coulomb interference measurements. 361792
Ekern, R.
Accelerator system for producing two-component beams for studies of interactive surface effects. (CONF-770949 – 2) 374066
Modification for sealing Dependex fittings with copper. 374059
Ekers, R.D.
Radio source angular sizes and cosmology. 366690
Ekhichev, O.I.
Proton radiative capture in ^{58}Ni, ^{60}Ni, ^{61}Ni nuclei. (KFTI – 75-15) 362078
Eki, L.
Prompt neutron spectrum in thermal fission of ^{235}U in the energy range from 10 keV to 1 MeV. (INIS-mf – 3896) 356816
Ekins, R.P.
Radio- and enzymimmunoassay. (INIS-mf – 4010) 370468
Eklund, S.
Closing remarks. 366224
IAEA experience in the transfer of nuclear technology. 352536
Ekman, A.
Ground-water studies in Scandinavia: the Uppsala symposium 1976. 354691
Ekman, L.
Metabolism of ^{181}W – labeled sodium tungstate in goats. (FOA-C – 40070) 376131
Ekspong, G.
Mechanisms in anti pp annihilation. 369390
A search for the I peak at 2.60 GeV/c² in 12 GeV/c anti pp interactions in the CERN 2m HBC. 377781
Study of the reaction anti pp → anti pωp at 9.1 GeV/c. 372537
Ekstroem, C.
An atomic-beam magnetic resonance (ABMR) system for on-line hyperfine structure measurements in short-lived nuclides. 374313
Nuclear spins and magnetic moments of some cesium isotopes. 372744
Ekstroem, L.P.
High-spin states of ^{39}K and ^{42}Ca. (INIS-mf – 4267) 377986
Lifetime measurement of ^{22}Ne(4,⁺) with the high-velocity coincidence DSA method. 377987
El Afioni, R.C.
Cellular method applied to crystals with four atoms by unitary cell. 364002
El-Agramy, A.
Infrared absorption spectra of some lanthanide acetylacetone complexes. 367062
El Aswed, M.
Nuclear technology education and training in Libya. 352538
El Azab, M.
^{16}O(γ,n)^{15}O angular distribution above the giant resonance region. 375171
El Eid, M.F.
Beta transition rates in hot and dense matter. (IKDA – 77/6) 364412
El-Fouly, M.
Problems of implementation of the first nuclear power plant in developing countries with particular reference to Egypt. 352899
El-Fouly, M.F.
Projected role of nuclear power in Egypt and problems encountered in implementing the first nuclear power plant. 371222
El-Genk, M.
Assessment of molten fuel motion in the CRBR shield plug following a core disruptive accident. 352220
El-Ghawaby, M.A.
New developments in the techniques of uranium exploration in Egypt. Case histories for exploration under arid conditions. 365261
El-Hadad, S.
Optimization of total triiodothyronine radioimmunoassay in unextracted serum by dextran charcoal. 349855
El Hamamsyb, M.
Pressure dependence of the lattice parameters of naphthalene up to 5.5 kbar and a re-evaluation of the elastic constants. 369620
El-Hanany, U.
NMR study of platinum at high temperature. (IA – 1338) 364116
El Hares, H.
Problems facing nuclear research in developing countries. 352537
El Hares, M.
Nuclear technology education and training in Libya. 352538
El-Hinnawi, E.
Review of the environmental impact of nuclear energy. 370550
El Kady, A.A.
Nuclear techniques used in prospecting for gold in the Arab Republic of Egypt. 375978
El-Kady, I.A.
The ^{11}α- and ^{17}α-progesterone hydroxylases of Rhizopus nigricans NRRL 1477. 373582
El-Kassas, I.A.
New developments in the techniques of uranium exploration in Egypt. Case histories for exploration under arid conditions. 365261
El Khangli, F.
On the trapping rate of positrons in deformed lead over the

temperature range 4-100 K. 377275
El-Khosht, M.
Gamma-gamma angular correlation studies in ^{97}Tc. 351333
El Kolaly, M.A.
Thermoluminescence studies of natural and doped calcium fluoride phosphors. (INIS-mf – 4164) 375947
El Mahgary, Y.
An energy model for overall optimization of a nuclear based district heating system. 376797
On the economy and optimization of nuclear heat power plants and their heat transport system. 376789
El Naggar, N.M.
$^{16}O(\gamma,n)^{15}O$ angular distribution above the giant resonance region. 375171
A contribution to the structure of the ^{28}Si dipole resonance. 372606
Structure of the giant dipole resonance in ^{208}Pb. 351276
El-Rakaiby, M.M.
New developments in the techniques of uranium exploration in Egypt. Case histories for exploration under arid conditions. 365261
El-Saiedi, A.
Problems of implementation of the first nuclear power plant in developing countries with particular reference to Egypt. 352899
El-Saiedi, A.F.
Projected role of nuclear power in Egypt and problems encountered in implementing the first nuclear power plant. 371222
El Sayed Ali, M.
Thermal expansion of mixed oxides U(Pu)Osub(2-x) as a function of the deviation from stoichiometry. 370115
El-Sayed, A.A.
Future fuel cycle requirements and radioactive waste management plans for Egypt's nuclear power programme. 371254
El-Sayed, S.A.
Phytoalexin-generating capacity in relation to late blight resistance in certain tomato mutants induced by gamma irradiation of seeds. 373743
El-Sayed, Y.M.
Implementation of a mutipurpose nuclear complex in Libya. 352508
Recipient's view of rational technology transfer. 352539
El-Shahat, M.F.
On the structure of the system V-(Fe, Co, Ni)-N. (KFK-EXT – 6/77-1) 351824
El-Sharkawy, E.
Projected role of nuclear power in Egypt and problems encountered in implementing the first nuclear power plant. 371222
El-Shazly, E.M.
New developments in the techniques of uranium exploration in Egypt. Case histories for exploration under arid conditions. 365261
El-Sheikh, K.A.
Applicability of the Reactor Safety Study (WASH-1400) to LMFBR risk assessments. (CONF-761001 – P2) 362909
Model for evaluating probabilities of primary system retention of core debris and time of release in LMFBR risk assessments. (CONF-761001 – P4) 362921
El-Sherbini, Th.M.
Configuration interaction in the spectrum of singly ionized xenon. 377007
El-Wakil, M.M.
Free convection heat transfer to supercritical helium. 360594
El Walik, S.A.
Bellman-Krein formula for an integral equation with kernel of the type k(x,y)=k(x – y) x- y sup(-α). (IC – 76-88) 361327
Pade approximants for linear Boltzmann equation. (IC – 76-82) 361261
Solution of neutron transport equation in cylindrical geometry. (IC – 76-85) 361262
Elakhovskij, D.V.
Simple sourse for production of collimated beam of metastable atoms with a variable energy. (INIS-mf – 3915) 348680
Elam, D.
Imaging sites of airway obstruction and measuring function response to bronchodilator therapy in asthma. (UCLA – 12-1124) 365465
Lung diffusion of soluble radioaerosols in scleroderma. (UCLA – 12-1141) 379143
Eland, J.H.D.
Formation and predissociation of CO^{2+}(C $^2\Sigma^+$/sub g/). 350468
Photoionization mass spectrometry of HI and DI at high resolution. 368510
Photoionization of H_2O: mechanisms of dissociative ionization. 376972
Photoionization of N_2O: Mechanisms of photoionization and ion dissociation. 350465
Elander, N.
A $^1Pi - X\ ^1\Sigma^+$ band system in CH^+ and CD^+: theoretical spectroscopic constants and lifetimes. 351006
Elanskaya, L.Ya.
Properties of the eutectic alloy of indium antimonide with nickel antimonide grown by Czochralski method. 354571
ElAttar, T.M.A.
Gingival inflammation assessed by histology, ^{3}H-estrone metabolism and prostaglandin E_2 levels. 373607
Elayaperumal, K.
Corrosion problems in nuclear power plants – types, analyses and remedial measures. 379606
Elbadawi, N.A.
Bone marrow regeneration from cortex following segmental fractionated irradiation. 367511
Elbel, H.
An analysis of the structure and the thermal behaviour of the UO_2-PuO_2-fuel in the irradiation experiment FR2 capsule test series 5a. (KFK – 2477) 349590
Fuel rod development. (KFK – 1277/2) 371039
Theoretical interpretation of SCARABEE single pin in-pile boiling experiments. 374284
Elbel, M.
Nuclear spin relaxation in potassium dimers. 353280
Elbern, A.
Fluorescence spectroscopic measurement of the relative sputtering yield of metals as a function of oxidation state and Ar^+ dose. 368770
Elbert, J.W.
Measurement of light emission from remote cosmic-ray air showers. 365315
Eldridge, J.S.
Planning for unplanned releases. (CONF-770916 – 3) 362603
Quality assurance applied to an environmental surveillance program. (CONF-771113 – 8) 378937
Eldridge, O.C.
Program plan for electron cyclotron heating experiments on the ISX tokamak. (ORNL/TM – 6011) 371835
Eldrup, M.
Positronium bloch function, and trapping of positronium in vacancies, in ice. (RISO – 366) 371649
Elec, J.V.
Screening for induced mutants in mungbean (Vigna radiata) resistant to powdery mildew (Erysiphe polygoni). 373744
Elen, J.D.
Radiation effects on low-cycle fatigue and tensile properties of aisi type 304 stainless steel at 298 K. (ECN – 32) 375959
Elenbaas, R.A.
Magnetization and specific heat in the CeTh system. (INIS-mf – 4267) 378617
Eletskij, A.V.
Optimal characteristics of the high-pressure metal vapor laser. 348780
Eletsky, V.L.
Borel summation of perturbation series in quantum mechanics and field theory. 371422
Elfimova, I.A.
Membrane potential of mitochondria from the liver of irradiated rats. 373477
Elford, M.T.
Measurement of the symmetric charge-exchange cross section in helium and argon in the impact energy range 1-10 keV. 368647
Elfstroem, S.
Evidence for rotational band structures in the N = 88 nulide ^{153}Tb. (ZfK – 336) 364834
Investigation of high-spin states and decay of an $11/2^-$ isomer in ^{151}Tb. (ZfK – 336) 364789
Elhoff, W.C.
BWR operating experience and outage services. 370877
Elias, C.A.
Effect of U.V.-radiation on the cell membrane of Herpetomonas samuelpessoai: binding of concanavalin A. 378960
Elias, E.
Rewetting and liquid entrainment during reflooding: state of the art. (EPRI-NP – 435) 357766
Rewetting model using a generalized boiling curve. (EPRI-NP – 571) 379223
System optimization for prompt-neutron activation analysis of coal. 378154
UC-B reflood experimental plan. (EPRI-NP – 457) 358205
Elias, H.
An efficient method for routine production of o-iodohippuric acid labelled with ^{131}I, ^{125}I or ^{123}I. 357121
Elias, V.
Gauge-coupling-constant magnitudes in the Pati-Salam model. 372403
Elias, V.W.
Weak interaction content of unified gauge theories. 372404
Elie, X.
Cavitation problems in sodium valves. (IWGFR – 9) 350099
Eliel, E.
High resolution spectroscopy with tunable pigment lasers. (INIS-mf – 4267) 377149
Eliezer, S.
Changes of symmetries in neutrino reactions. 353958
Elinson, M.I.
Effect of anion substitution on "red shift" of absorption edge of CdCrsub(2)Sesub(4-x)Ssub(x) single crystals. 348808
Spectra of photoconductivity of Ga doped $CdCr_2Se_4$ monocrystals. 377192
Eliseev, A.A.
Crystal structure of epsilon-Yb_2S_3. 351518
Investigation of interaction in the Ga_2Te_3-Cu section of ternary Cu-Ga-Te system. 359649
X-ray investigation of YbTe-TmTe solid solutions. 351744
Eliseev, G.N.
Real-time counter in the BESM-4 computer. (JINR – 10-9190) 366219
Eliseev, G.P.
Elastic backscattering of pions minus on protons at 25 and 38 GeV/c. 369349
Solid hydrogen target. 357961

Eliseev, L.A.
On the mechanism of formation of radioactive aerosols in the horizontal channels of an IRT nuclear reactor. 351439
Eliseev, S.M.
On the possibility of the unified description of nuclear levels and experiments on the alpha-particle and electron scattering. 354027
Eliseev, V.V.
On the calculation of the strength of the "T-20" electromagnetic system. (INIS-mf – 3954) 361642
Eliseeva, G.D.
Effect of short-time heating around 475 deg C on the properties of welded joints of chromium ferrite steels. 375805
Eliseeva, O.P.
Behaviour and spatial distribution of radioactive elements in intrusive rocks of Megrinsky pluton (Armenia). 375979
Elitzur, M.
Inversion mechanisms for OH main lines astrophysical masers. (WIS-Ph – 77/13) 366691
Elizarov, O.I.
Crate controller in the CAMAC standard for connection with the M-400 computer. (JINR – 10-10394) 376683
Input device for the DIN-1M spectrometer. (JINR – 10-9154) 352828
Elkin, V.V.
Characteristics of small-sized scintillation detectors for neutron logging. 365257
Elkina, N.J.
Changes of DNA metabolism in radiosensitive tissues of rats continuously affected by ionizing radiation. 362663
Elkouby, A.
Inception of the light-water reactor system in France and its fuel cycle. 366226
Ell, P.J.
A new radiopharmaceutical for positive myocardial infarct imaging. (INIS-mf – 4010) 362811
Whole-body bone scans in patients with plasmacytoma. Typical pattern of 'hot spots' in the rib cage. 365466
Ellbrunner, A.
Method for the preparation of semiconductor monocrystals with adjustable doping material concentration. (German (F.R.) patent document 2542867/A/) 367313
Ellegaard, C.
A study of ^{15}N by use of the reaction $^{13}C(^{3}He,p)^{15}N$. 372804
Elleman, T.S.
Tritium diffusion in Al_2O_3 and BeO. 362490
Tritium diffusion in nonmetallic solids of interest to fusion reactors. Annual progress report, August 1, 1976 – August 1, 1977. (ORO – 4721-6) 362488
Ellenson, W.D.
Elastic neutron-scattering study of the three low-temperature transitions in tetrathiafulvalenium-tetracyanoquinodimethanide. 365219
Ellett, W.H.
Exposure to radon daughters and the incidence of lung cancer. 379055
Ellias, E.
Dual gauging utilizing penetrating and scattered photon fluxes. 363087
Ellingboe, A.H.
Induced conditional mutants for studying host/pathogen interactions. 373710
Elliot, A.T.
On-line cardiac studies in a coronary care unit via a high speed link. (INIS-mf – 4010) 358412
Elliot, D.J.
Fallout in rainwater and airborne dust – levels in the UK during 1976. (NRPB-R – 55) 360177
Elliot, M.
Ground for concern. 362910
Elliot, M.N.
Research and development topics in gas cleaning for fuel reprocessing plant. 359849
Elliott, A.T.
A new radiopharmaceutical for positive myocardial infarct imaging. (INIS-mf – 4010) 362811
Elliott, D.N.
Structural design verification techniques. (IWGFR – 11) 355460
Elliott, D.O.
Nuclear shapes of ^{24}Mg and ^{28}Si by inelastic scattering of ^{12}C and $^{16,18}O$. 364766
Elliott, E.V.
Mediation of cytotoxic functions by classes and subclasses of sheep antibody reactive with cell surface immunoglobulin idiotypic and constant region determinants. 376142
Elliott, J.R.
Investigation of π^+Ne and π^-Ne interactions at 10.5 GeV/c. 372541
Elliott, K.H.
Line profiles from the ionized and neutral gas in the peculiar nebula NGC 6302. 359078
Elliott, R.A. Jr.
Dacryoscintigraph evaluation of the repaired lacrimal drainage system. 352105
Ellis
Tritium production from $^{6}Li(n,\alpha)$ and $^{7}Li(n,n'\alpha)$ reactions. (BNL-NCS – 22500) 356863
Ellis, A.E.
Environmental qualification of safety-related Class 1E process instrumentation. (WCAP – 9211) 379241
Ellis, A.N.
Performance of electrical contact pins near a nuclear explosion. (LA – 6946-MS) 367939
Ellis, B.G.
Quality assurance. 352951
Ellis, D.E.
Electronic structure and lattice instability of metallic VO_2 . 366420
Interpretation of quasi-molecular L X-rays in heavy-ion collisions. 355906
Ionization energies and optical spectra of 5d-metal hexafluorides as calculated in the Dirac-Slater model. 353231
Ellis, G.F.R.
Singular space-times. 368537
Ellis, H.W.
Cs^+-Kr and Cs^+-Xe interaction potentials. 377015
Ellis, J.
Hadron scattering in two-dimensional QCD. I. 364482
Hadron scattering in two-dimensional QCD. II. 364483
The phenomenology of the next left-handed quarks. 372405
Physics with very high energy e^+e^- colliding beams. (CERN – 76-18) 375013
The price of natural flavour conservation in neutral weak interactions. 353783
Ellis, J.R.
Behavior of annealed type 316 stainless steel under monotonic and cyclic biaxial loading at room temperature. (CONF-770807 – 26) 362400
Ellis, K.J.
A facility for in vivo measurement of kidney and liver cadmium by neutron capture prompt gamma ray analysis. 359575
In-vivo measurement of kidney and liver cadmium by neutron capture prompt gamma-ray analysis. (BNL – 23632) 378176
Kinetics of inhaled krypton in man. 370397
Total body sodium and chlorine in normal adults as determined by neutron activation analysis. 369540
Ellis, P.J.
Effective interactions: Qualitative discussion of Hartree-Fock effects. 359403
Folded-diagram calculation of effective charges. 356620
Introductory guide to effective operators in nuclei. 372607
Ellis, R.E.
Catalytic detritiation of water. (MLM – 2437(OP)) 366083
Ellis, R.S.
Angular diameter counts of galaxies: a method for determining the selection criteria for deep Schmidt plates. 356223
Ellis, S.D.
How to look for particles containing b quarks. 372376
Large p/sub T/ physics: data and the constituent models. (SLAC-PUB – 1903) 377797
Large P/sub T/ physics: Data and constituent models. 372406
Ellis, W.D.
Steam plant surface condenser leakage study. Final report: Volume I. (EPRI-NP – 481(Vol.1)) 358059
Steam plant surface condenser leakage study: appendices. Final report: Volume II. (EPRI-NP – 481(Vol.2.)) 358060
Ellis, W.K.
Bulk analysis for copper and nickel in ores using gamma-ray resonance scattering. 376278
Ellis, W.P.
Catalysis studies. (LA – 7016-MS) 373036
Electron-beam decomposition of UF_4 optical interference layers. 367329
Ellis, Y.A.
Nuclear data sheets for A = 230. 351345
Nuclear data sheets for A = 234. 359476
Nuclear data sheets for A = 238. 359477
Nuclear data sheets for A = 242. 359478
Ellison, J.A.
Statistical equilibrium spatial density in planar channeling. (SAND – 77-0361) 351255
Ellison, T.L.
Evaluation of self-interaction parameters from binary phase diagrams. (IS-T – 772) 372957
Ellmer, K.
Total energy loss distributions of low energy heavy particles after penetration through matter. 371592
Ellsworth, L.D.
Projectile K x rays from Si^{12+} ions in the 1s2s $^3S_1$ metastable state incident on helium gas. 358819
Ellsworth, R.W.
On the high energy proton spectrum measurements. 372156
Elmore, D.
A search for integrally charged quarks. 377788
Elnahwy, S.
Pressure dependence of the lattice parameters of naphthalene up to 5.5 kbar and a re-evaluation of the elastic constants. 369620
Elrod, J.P.
Comparative mechanistic study of a set of serine hydrolases using the proton inventory technique and beta-deuterium probe. 351486
Elsaesser, K.
Ion acceleration in resonance absorption experiments. (INIS-mf – 3963) 372014
Soliton flash, turbulent ion heating, and relaxation oscillations in strong Langmuir turbulence. 366532
Elsenaar, R.J.
Research with the 4 MV accelerator, ch. 2. (INIS-mf – 3629) 362056
Elser, W.
Coating substance hardened by high-energy radiation. 354435

Elsey, R.J.
A study of some features of the ultra high vacuum systems for EPIC. (RL – 77-038-B) 365741
Elsner, A.
On sawtooth oscillations and MHD modes in the W VII A stellarator. (INIS-mf – 3963) 371780
Elsner, N.B.
General Atomic, Los Alamos Scientific Laboratory, Department of Energy, interface document for the MB-75 mW (B) program initial draft. (GA-A – 14719) 379389
Justification for substituting TRA CON 2212 epoxy for Epon 828 epoxy in the fabrication of 75 mW (B) thermoelectric modules. (GA-A – 14722) 379397
Master test plan for the MB-75 mW (B) generators. (GA-A – 14717) 379391
MB-M75 (B) radioisotope thermoelectric generator reliability analysis. (GA-A – 14724) 379388
MB-75 mW (B) program plan. (GA-A – 14716) 379390
Elsner, R.F.
Accretion by magnetic neutron stars. I. Magnetospheric structure and stability. 359079
Magnetospheres of accreting neutron stars. 372157
Elsner, W.
Fracture studies and detection of causes of failure. Problems with ferrous materials. 349491, 349511
Elssner, G.
Effect of oxygen on the strength and ductility of polycrystalline vanadium in the range of 4.2 to 400 K. 367237
Elst, H.C. van
The assessment of embrittlement of steel by irradiation from the attenuation of stress waves, using small specimens. 370152
Elston, C.W.
Needs and directions for improving power plant reliability: a turbine manufacturer's view. 363396
Elston, S.B.
High resolution studies of extensive Ne L-shell excitation by energetic heavy ion impact. 358849
Recoil ion spectroscopy in the XUV – soft X-ray region following heavy ion impact on thin gas targets. 358825
Studies of neon L-shell excitation by impact of highly ionized heavy ions. 358824
Elte, J.W.F.
Thyroid suppressibility and functional autonomy in euthyroid multinodular goitre. (INIS-mf – 4010) 370514
Eltekova, D.V.
The resonance dechanneling of fast protons in silicon during the axial-to-planar channel transitions. (INIS-mf – 3995) 377168
Elter, C.
Control rod drive concepts with regard to economical use at higher temperatures. 370857
Design, dimensioning, and calculation of the components and elements of the primary circuit, illustrated by the example of HTR reactor internals. 370989
Elton, R.C.
Some effects of end stoppering on a theta-pinch plasma. 366526
Elvekjaer, F.
Final states in hadron-hadron collisions and in e^+e^- annihilation. 353797
Jets and hadron-balls in e^+e^-. (DESY – 77/46) 353795
Elvidge, J.A.
Tritium nuclear magnetic resonance spectroscopy. 354281
Elvis, M.
Ariel V sky survey: X-ray variability of NGC 5128. 359115
Evidence for a 17d periodicity from Cyg X-3. (CONF-7510169 –) 364340
Elwood, T.A.
Reactions of $CH_3^+(CD_3^+)$ with C_3H_6O isomers. 364995
Elwyn, A.J.
Gamma decay and lifetime measurements of the isomeric 19-/2 state in ^{43}Ti. (ANL – 77-60) 378035
Thermonuclear reaction rate parameters for d + ^{6}Li reactions. 351346
Ely, J.T.A.
Equatorial modulation and north-south asymmetry of galactic cosmic rays due to the interplanetary magnetic field. 359080
Ely, M.J. Jr.
Radiation-induced inhibition of eclosion in the tobacco hornworm, Manduca sexta. 362664
Ely, R.
Electron-muon and electron-hadron production in e^+e^- collisions. 366879
A search for neutral heavy leptons. 356514
Ely, R.F. Jr.
Is eight hours of containment leak rate data sufficient. 358236
Elyashberg, M.E.
Computer system for structure recognition of polyatomic molecules by i.r., n.m.r., u.v. and m.s. methods. 376846
Elyutin, N.O.
Study of domain structure of ferromagnets by small angle neutron scattering. 361472
Technique for neutron beam intensity modulation. (Soviet patent document 444498/A/) 375080
Elze, Th.W.
Study of E2 transition probabilities in ^{194}Pt. 356893
Elzmann, J.
Experience with the three-dimensional coupled LUPE-COBRA programme system. 370790
Ema, Kimiko
Effect of added substances on the amination of 2-oxoglutaric acid by gamma-irradiation. 378510
Eman, B.
Use of photodiodes for neutron dosimetry. 379908
Emans, H.
Spin-parity analysis of the diffractively produced low-mass Nπ systems in the reaction $\pi^+p\rightarrow\pi^+(N\pi)^+$ at 16 GeV/c. 369382
Total cross sections for charged-current neutrino and antineutrino interactions in BEBC in the energy range 20-200 GeV. 353945
Emanualson, R.
Experience at Deer Island with electron disinfection of sludge at high flow rates. (INIS-mf – 4220) 379416
Emanuel, W.R.
Functional complexity and ecosystem stability: an experimental approach. (ORNL/TM – 6199) 378883
Emchenko, N.L.
Studying complexing unithiol and its analogues with metal ions and its application in analysis. (INIS-mf – 4192) 375348
Emde, H.
Growing and displacing infarcts. (AED-Conf – 77-395-001) 367698
Emel, W.A.
Fast reactor fission yields for ^{237}Np. (ICP – 1050-3) 374256
Emel'yanov, I.Ya.
Nuclear energy centres and the economic and ecological problems of nuclear power development. 368445
The philosophy of the power distribution computer-controlled system for channel type reactors. 379582
Power zone control of a nuclear power reactor. 350172
The safety problems of nuclear power plants with channel-type, graphite, boiling-water reactors. 370875
Sensitivity variation of self-powered neutron detectors with silver emitters during long-term operation in nuclear reactors. 376753
Emel'yanov, N.M.
Some physicochemical properties of molten mixtures of thorium tetrachloride with alkali metal chlorides. (INIS-mf – 4193) 378462
Emel'yanov, V.A.
State and prospects of domestic radioisotope instrument-making in the field of control and measurement of concretes and soils density. 349947
Emel'yanov, Yu.A.
Simulation of nuclear cascades in atmosphere. 361692
Emel'yanova, G.M.
Interaction of gamma radiation of Co^{60} with heterogeneous systems, made on base of polymers with dyes. 370153
Emel'yanova, L.I.
Way of treatment of molybdenum-base alloys. (Soviet patent document 437811/A/) 375814
Emelyanenko, G.A.
The effect of relativistic kinematics in pion-deuteron scattering. 361995
Emerson, L.C.
Electron slowing-down flux spectrum in Al_2O_3. 364636
Emerson, R.R.
Impact and fate on aquatic environments of copper from nuclear power plants. 349892
Emery, B.A.
The seasonal variation of the diurnal thermospheric winds over Millstone Hill during solar cycle maximum. 354722
Emery, G.T.
Two-photon decays of pionic carbon. 354252
Emery, J.F.
Fission-product energy release for times following thermal-neutron fission of ^{235}U between 2 and 14000 seconds. (ORNL/NUREG – 14) 372738
Emigh, C.R.
Neutron spectra characteristics for the intense neutron source, INS. (LA-UR – 77-1054) 374045
A 14 MeV intense neutron source facility. 355167
Emigh, R.A.
(^{3}He,n) reaction studies near N = 82. (TID – 27909) 377959
The level structure of ^{111}Ag via the ^{110}Pd(^{3}He, d)^{111}Ag reaction. 354134
Level structure of ^{84}Rb. (TID – 27909) 378057
Level structure of ^{99}Tc by inelastic scattering and proton stripping. 356856
Negative parity spectrum of ^{30}Si. (TID – 27909) 378060
Observation of the proton-pairing vibration in ^{206}Pb. 366963
Proton pairing states observed in the ^{208}Pb(^{3}He,n)^{210}Po reaction. (TID – 27909) 377960
Proton particle-hole interaction levels in ^{114} ^{116}Sn. (TID – 27909) 377988
Proton shell closures at Z = 38. (TID – 27909) 377957
Structure of the odd – odd nucleus ^{112}In. (TID – 27909) 377989
A study of the ^{99}Tc(p, d)^{98}Tc reaction. 372745
Study of 2p – 1h states in the Z = 50 proton shell via the ^{113} ^{115}In(^{3}He,n)^{115} ^{117}Sb reaction. (TID – 27909) 377958
Two-proton excitations at the Z = 38 and Z = 40 sub-shell closures. (TID – 27909) 377956
Emigh, S.G.
Stirling/hydraulic artificial heart power source. 379393
Emirov, S.N.
Measurement of thermal conducitivity of Cdsub(0,28) Hgsub(0.72)Te at hydrostatic pressure. 366389
Emling, H.
Coulomb excitation of deformed nuclei using very heavy ions. (ZfK – 336) 364750
Doppler shift measurement of differential K-vacancy production cross sections in heavy collision systems. 353255, 377022
Recoil distance investigation of yrast states in ^{158}Dy. (ZfK – 336) 364749
Study of E2 transition probabilities in ^{194}Pt. 356893

Emmermann, R.
The bearing of trace element distribution patterns of deep sea basalts for the interpretation of their genesis. 372917
Emmert, G.A.
A neutral-particle-based divertor model for Tokamak reactors. (IPP – 4/152) 348910
Pulsed power requirements for tokamak fusion reactors. (EPRI-ER – 376-SR) 361530
Emmert, H.
Method for disposing radioactive resin wastes and the appropriate device. (German (F.R.) patent document 2531584/A/) 355640
Emmert, R.A.
Material accounting in a complex chemical processing unit: an application of estimation/detection. (UCRL – 79607) 374492
Emmett, J.C.A.
FRODA – a program for the analysis of frequency dynamics experiments. (CEGB-RD/B/N – 3414) 355247
Emmett, J.L.
Laser fusion program overview. (UCRL – 52000-77-8) 377396
Emmett, M.B.
Summary of the ORNL shield design supporting analysis for the FFTF. (CONF-770401 – 29) 361007
Emmoth, B.
The angular distribution of sputtered particles measured by RBS analysis of the collected patticles. 368771
Emon, D.E.
Evaluation of safety test needs for the gas cooled breeder reactors. (CONF-761001 – P1) 362911
HTGR risk assessment study. (GA-A – 14336) 373832
Reliability and safety analysis methodology in the nuclear programs of ERDA. 357777
Emoto, Y.
Moessbauer study of ancient Japanese artifacts. 348852
Emrich, D.
Improvement of the diagnostic value of radionuclidic angiocardiography in babies by using rapid sequential scintigraphy and a new image display system ('Digiphot'). (INIS-mf – 4010) 362824
The influence of roentgen contrast media on thyroid function. (INIS-mf – 4010) 370460
Quantitative investigation of muscular blood flow before and after vascular surgery at the lower extremity, using the ^{133}xenon clearance method. 376179
Volume curves of the left ventricle at rest and during excercise, determined with nuclear medicine methods. (INIS-mf – 4010) 362825
Ems, S.E.
Preliminary measurements of proton polarization in high energy inclusive processes. (COO – 2009-129) 364572
Preliminary polarization results at Fermilab energies. (COO – 2009-128) 364571
Emsallem, A.
Thermal neutron induced charged particle reactions on ^{58} ^{59} ^{61}Ni. 351323
Emschermann, H.H.
Device for the measurement of physical quantities in conditions where measuring is difficult. (German (F.R.) patent document 2550378/A/) 376693
Emura, Satoru
Method of processing wastes. 368383
Enabnit, R.S.
Installation for monitoring variations in state variables like pressure and temperature. (German (F.R.) patent document 2642698/A/) 368339
Enakii, V.N.
Contribution of one- and two-phonon processes into temperature shift and level broadening of impurity rare earth ions. (INIS-mf – 3955) 377214
Ename, Shinzo
Observation of corona with radio-heliograph. 359171
Enami, Jumpei
A sensitive radioimmunoassay for a component of mouse casein. 362812
Endal, A.S.
Nature of the x-ray Nova A0620-00. (CONF-7510169 –) 364317
Enderle, G.
Loads on a PWR core shell after break in the reactor coolant pipe. 370913
Enders, W.
Characteristic and quasimolecular X-rays from collision systems with $Z_1+Z_2=133$, 134 under single and multiple collision conditions. 353292
Endler, A.
Double Regge model for non diffractive A_1 production. (CBPF – A0028/77) 350562
Endo, K.
Beam lifetime in the initial operation of KEK main ring. 363134
Moessbauer spectroscopic studies on the effective ranges of ^{119}Sn resonantly scattered electrons in SnO_2, $CaSnO_3$, and $BaSnO_3$. 348781
Endo, Kazuyasu
A case of chronic myelogenous leukemia with atypical clinical course seen in a radiological worker. 379077
Endo, Kouichi
Studies on the chronological alterations of blood counts on the radiological technicians at health centers in Japan (1957 – 1975). 373891
Endo, M.
The cosmological term and a modified Brans-Dicke cosmology. 364318
Endo, Y.
Hyperfine structure in the A tilde state of PH_2 arising from the Fermi interaction of ^{31}P. 376997
Endow, J.S.
Research on new agents for the scintigraphy of the pancreas. (INIS-mf – 4010) 369766
Endres, G.W.R.
Guide to good practices at plutonium facilities. (BNWL – 2086) 362604
The long-term effects on normal tissue of an intracavitary treatment with californium-252. 379042
Endrulat, H.J.
Compilation of data on the release of radioactive substances in the vent air of nuclear power plants in the Federal Republic of Germany in 1975. (STH – 2/76) 350197
Compilations of nuclides determined by examination of aerosol and iodine filter samples from the exhaust air control system of the nuclear power plants Gundremmingen, Obrigheim, Wuergassen, Stade, Lingen and Biblis in 1974. (STH – 6/75) 349907
Eng, K.Y.
Leak detection system design and operating considerations for the US-CRBRP. (CONF-760735 – 1) 379774
Enge, H.
In-flight mass separation of ^{205}Rn, ^{206}Rn and ^{207}Rn fusion recoils from the ^{197}Au(^{14}N, xn) reaction using an energy-mass spectrograph. 374386
Enge, H.A.
Performance of an energy-mass spectrograph for heavy ions. 366018
Velocity selector for heavy-ion separation. 366034
Enge, W.
Age determination of sediments by ^{210}Pb using a plastic detector technique. 367370
The dependence of the mass identification scale on different track formation models. 360122
Fast neutron radiography for extended objects by a plastic detector technique. 368273
Isotopic composition of cosmic ray nuclei. 366692
Spallation products induced by energetic neutrons in plastic detector material. 366887
A spatial track formation model and its use for calculating etch-pit parameters of light nuclei. 368324
Engel
Leak rate tests on the containment of the HDR plant. 368096
Engel, D.W.
Advanced accounting techniques in automated fuel fabrication facilities. (HEDL-SA – 1232) 363723
Engel, G.
Ultrasonic inspection of the spherically shaped perforated areas of light water reactor pressure vessels. 365869
Engel, J.
Evaporation losses during handling of liquid helium. 360618
Engel, J.P.
Measurement of the branching ratios of multi-pion final states in anti pp annihilation at 1.6 GeV/c. 366884
Engel, P.
Solvent isotope effect on the fluorescence of azoalkanes. 372981
Engel, R.
Studies on ceramic coatings – a possible means to prevent frictional and diffusion welding of metallic materials in helium-cooled reactors. 370778
Engel, R.L.
Evaluations of fusion-fission (hybrid) concepts: market penetration analysis for fusion-fission hybrids. Part A. (EPRI-ER – 469(Pt.A)) 358938
Engel, T.
Reactive and nonreactive scattering of Co and O_2 from Pd(111). 368772
Engel, U.
Electron spin resonance of Gd in Ce/sub x/La/sub 1-x/Ru_2. 357244
Engelbertink, G.A.P.
High-spin states of ^{39}K and ^{42}Ca. (INIS-mf – 4267) 377986
Lifetime measurement of ^{22}Ne(4_1^+) with the high-velocity coincidence DSA method. 377987
Engelbrecht, C.A.
Negative-parity spectra for mass-18 nuclei in the dynamic-interaction propagator approach. 356605
Two-body propagators with dynamic exchange of collective excitations in crossed channels. (INIS-mf – 4148) 366263
Engelbrektson, A.
Design of rockstorages. (KBS-TR – 38) 380043
Engelhardt, H.D.
Measurement of the momentum distribution of two correlated nucleons in a nuclear potential. (LYCEN – 7702(pt.1)) 359479
Engelhardt, M.L.
Mechanisms for radiation damage in DNA constituents and DNA. 357561
Mechanisms for radiation damage in DNA constituents and DNA: reactions of the N_1-substituted thymine π-cation radicals. (COO – 2364-11) 359806
Engelhardt, W.
Internal modes and disruptions with increasing electron density in the Pulsator tokamak. (INIS-mf – 3963) 372020
Engelke, B.A.
PTB test rules. 355526
Engelmann, Ch.
Application of bremsstrahlung activation analysis for the determination of carbon and nitrogen in sodium. 367023

New method to measure oxygen isotopic concentration ratios $^{18}O/^{16}O$ by gamma-activation analysis, especially in biological media. 375259
Engelmann, F.
Heat transport of axisymmetric toroidal low-β plasmas in the collision-dominated regime. (INIS-mf – 3963) 371834
Nonlinear dynamics of runaway electrons and their interaction with tokamak liners. 364221
Plasma power balance models for self-sustained tokamak reactors. 348886
Transport properties and steady states of a tokamak plasma with impurities in the collision-dominated regime. (INIS-mf – 3963) 371833
Transport properties of a tokamak plasma with impurities in the collision-dominated regime. 348911
Engelmann, H.J.
Device for transferring radioactive materials into a hot cell. (German (F.R.) patent document 2524218/A/) 352400
Engelmann, P.
The gas-cooled high temperature reactor. Perspectives, problems and programmes. 365905
Status and objectives of HTR development for electricity and process heat generation. 355423
Engelmann, R.
One-, two-, and three-particle distributions in pp collisions at 205 GeV/c. 372529
Engelmann, W.J.
Recent results and developments on the disposal of radioactive wastes in the Asse Salt Mine. 358523
Engels, J.
Solution of the statistical bootstrap with Bose statistics. 351155
Engelsberg, S.
Textural singularities in superfluid ^{3}He-B. 372326
Engelstein, P.
Heavy ion reaction studies at medium-mass nuclei: I. Quasi-elastic processes. (LYCEN – 7702(pt.2)) 369500
The onset of friction in heavy ion transfer reactions. (CRN-PN – 77-16) 369499
The onset of friction in heavy-ion transfer reactions. 362084
Engen, W.R. van
Fuel elements and fuel element materials – Dodewaard-on site fuel inspection of Pu assemblies. 370873
Engerer, S.C.
Nonaqueous reductive lanthanide chemistry. I. Reaction of lanthanide atoms with 1,3-butadienes. 378259
Engfer, R.
Magnetic hyperfine anomaly in muonic ^{193}Ir. 364802
Measurement of gamma-rays, neutrons and charged particles after π^--capture in nuclei. 378077
A new upper limit for the decay $\mu^+ \rightarrow e^+\gamma$. 369383
Engi, D.
Insider safeguards effectiveness model (ISEM). User's guide. (SAND – 77-0043) 380113
Small-scale engagement model with arrivals: analytical solutions. (SAND – 77-0054) 361207
Use of ISEM in studying the impact of guard tactics on facility safeguards system effectiveness. (SAND – 77-0410C) 363727
Engineer, S.
Low alloy tempering steel. (German (F.R.) patent document 2537702/A/) 354501
Engl, G.
Test methods and testing equipment for recurring inspections. 370820
England, A.C.
Energy loss to the wall and limiter in normal ORMAK discharges. 371830
Neutron time behavior for deuterium neutral beam injection into a hydrogen plasma in ORMAK. (ORNL/TM – 6035) 368941
Program plan for electron cyclotron heating experiments on the ISX tokamak. (ORNL/TM – 6011) 371835
England, G.
Nuclear power – a report on progress. 352679, 366130
England, G.L.
Steady-state stresses in concrete structures subjected to sustained and cyclically varying temperatures. 355138
England, J.B.A.
^{3}He D-state effects in (d,^{3}He) reactions. 356865
Energy dependence of analysing power in elastic and inelastic scattering of ^{3}He by ^{12}C. 372772
Scattering of polarised and unpolarised ^{3}He by ^{3}H and high excitation in ^{6}Li. 372825
A small medium-pressure gas target system for use with polarized and unpolarized ion beams. 367962
England, R.
Two-dimensional finite element calculational methods for plasma diffusion in low-beta devices. 364193
England, T.
A study of ^{15}N by use of the reaction ^{13}C(^{3}He,p)^{15}N. 372804
England, T.R.
Accurate approximations to average beta-particle energies and spectra. 351311
Comparisons of calculated and experimental delayed fission-product beta and gamma spectra from ^{235}U thermal fission. (LA-NUREG – 6896-MS) 361973
Fission product data for thermal reactors. Final report. Part I. A data set for EPRI-CINDER using ENDF/B-IV. (EPRI-NP – 356(Pt.1)) 367997, 367998
Fission product data for thermal reactors. Part 2. Users manual for EPRI-CINDER code and data. (LA – 6746-MS) 379529
Fission-product source terms for reactor applications. (LA-NUREG – 6917-MS) 367999
Influence of isomeric states on independent fission product yields. 372788
Englander, M.
Contribution of neutron diffraction to the study of the texture function of recrystallized titanium, comparison with X-ray diffraction. 353465
Textures of iron oxide ores by neutron diffraction and topotactical relation. 366483
Engle, G.B.
Properties of unirradiated HTGR core support and permanent side reflector graphites: PGX, HLM, 2020, and H-440N. (GA-A – 14328) 358249
Engle, W.W. Jr.
New weighted-difference formulation for discrete-ordinates calculations. (CONF-771109 – 53) 372572
Summary of the ORNL shield design supporting analysis for the FFTF. (CONF-770401 – 29) 361007
Engler, G.
Delayed neutron emission probabilities of Rb and Cs isotopes. (IA – 1338) 364602
Yields of Rb, Cs, Sr and Ba isotopes in thermal fission of ^{235}U. (IA – 1338) 364719
Englert, P.
Computer assisted multielement analysis of terrestrial and extraterrestrial materials and studies on long-lived cosmogenic ^{53}Mn by neutron activation. 378095
Engonyan, S.S.
The investigation of uranium-1 and uranium-containing minerals by luminescence spectra. 360145
Engrand, M.
Intrinsic time resolution of detectors in a time-of-flight spectrometer. 355578
Engstroem, G.
Neutron- and gamma-ray transport calculations of dose transmission factors in concrete. (FOA-C – 20195-A2) 356534
Engvold, O.
The solar chemical composition. 366693
Enikeev, R.I.
Photonuclear cross-section and nuclear losses of muons. 362038
Enikeev, R.Sh.
Electrochemical investigation of rare earth amalgams. 357088
Investigation of anodic behaviour of rare earth amalgams. 378228
Enjyo, Toshio
Diffusion welding of molybdenum to hastelloy alloy X. 359869
Enkelmann, W.
Application of the PRS 4000 type process computing system to the Rheinsberg nuclear power plant. 374181
Enkiri, N.K.
Inactivation by ionizing radiation of Salmonella enteritidis serotype montevideo grown in composed sewage sludge. 367465
Ennerst, K.
Fuel element fabrication and quality control. 376557
Ennis, J.T.
The scintigraphic diagnosis of thromboembolism. (INIS-mf – 4010) 370469
Ennis, P.J.
Creep tests to determine the qualification of HTR alloys. 370780
Eno, L.
The distorted wave infinite order sudden (DWIOS) approximation for the calculation of vibrationally inelastic molecular collision cross sections. 353232
Enomoto, Shigemasa
Effective source size as related to ^{252}Cf neutron radiography. 355093
Safety testing of ceramic strontium-90 β-ray source. (JAERI-M – 7305) 379378
Enright, G.D.
Backscatter and beam refraction in underdense gas breakdown with nanosecond CO_2 laser. 350810
Self-steepening of the density profile of a CO_2-laser-produced plasma. 366534
X-ray emission characteristics of plasmas created by a high-intensity CO_2 laser. 358939
Enriquez, C.R.
Study by Moessbauer spectroscopy of archaeological ceramics. 363988
Enselmoz, J.R.
Reactor physics measurements at Bruce Nuclear Generating Station-A. 358275
Ensminger, J.T.
Environmental aspects of the transuranics: a selected, annotated bibliography. (ORNL/EIS – 91/V8) 357529
Ensslin, N.
Thermal-neutron coincidence counting of large plutonium samples. 380120
Ent, G.M. van der
Sending scintigrams over the telephone. (INIS-mf – 4010) 363615
Entel, P.
On structural instabilities in itinerant magnets and superconductors. Pt. 1. 374706
Entenberg, A.
Observation of elastic neutrino and antineutrino scattering and parity violation in the weak hadronic neutral current. 353995
Entenberg, A.B.
Elastic neutrino proton and antineutrino proton scattering. (COO – 3071-231) 361884
Entin-Wohlman, O.
Effect of a barrier at the superconducting-normal metal interface. 351114

Transition temperature of superconducting-magnetic proximity effect sandwiches. 359195
Entinzon, I.R.
On determination of region of essential radiation-chemical induced chain reaction of glycidyl methacrylate. 375701
Particularities of solid body effect on transformations in heterogeneous systems. 373088
Enzan, Hideaki
The transformation of human peripheral mononuclear cells in diffusion chamber cultures. 373490
Enzmann, H.F.
Insurance problems in connection with nuclear power stations. 352994
Enzweiler, J.
Deactivation of $N_2^+A^2PIsub(\mu)$ at keV energies. 353359
Epele, L.
Analysis of the constraints and correlations the Roy equations impose on S- and P-wave pion-pion scattering. 377722
Ependiev, M.V.
On the principles of the statistical theory of directional effects in crystals. (INIS-mf – 3995) 377260
Epifanova, K.I.
Compatibility of molten rare earth metals with refractory materials. 357259
Crystallization purification and change of structure during stretching of rare earths out of the molt. 349381
Magnetostriction of intermetallic compounds of rare earths with iron of Laves phase type. 373161
Magnetostriction properties of terbium monocrystals and terbium-gadolinium alloy system. (INIS-mf – 3839) 365173
Epifantsev, B.N.
Estimate of the rate of action of automatic radiograph decoding systems. 349948
On developing automated control systems for radiometric flaw detection. 357886
Epifantseva, M.Ya.
Estimate of the rate of action of automatic radiograph decoding systems. 349948
Eponeshnikov, V.N.
Increase of the PhEV-49 photomultiplier time resolution. 371148
Epperlein, H.
Higher operational safety of tube bundle heat exchangers due to modern production methods. 360802
Eppler, R.A.
Zirconia-based colors for ceramic glazes. 362489
Eppley, K.
Evolution of time-symmetric gravitational waves: Initial data and apparent horizons. 371370
Epstein, A.
Detection of X-ray emission from 3C 120. 351079
Observations of X-ray eclipses from LMC X-4. 366722
X-ray spectroscopy with the ANS satellite. (CONF-7510169 –) 364401
Epstein, G.N.
Δ production and the spin dependence of the pp total cross section. 356504
Δ(1232) production and parity violations in proton proton scattering. 361793
Epstein, I.R.
Monte Carlo studies of positrons in matter. Method and application to annihilation spectra in helium gas. 350609
Multiple scattering in the Compton effect. IV. Operator formalism for nonstationary electrons. 358711
Multiple scattering in the Compton effect. V. Bounds on errors associated with multiple-scattering corrections. 358712
Epstein, J.
Characterization and radiobiologic parameters of medulloblastoma in vitro. 373494
Epstein, M.
Analytical and experimental studies of transient fuel freezing. (CONF-761001 – P4) 362914
Freezing: controlled penetration of a saturated liquid into a cold tube. 362915
Stability of a submerged frozen crust. 368773
Epstein, R.
Binary pulsar: post-Newtonian timing effects. 351007
Epstein, S.
Hydrogen isotope exchange between clay minerals and sea water. 365302
Epstein, V.S.
Further search for muonic pairs in the neutrino and antineutrino beams at the IHEP 70 GeV accelerator. 353927
Epstein, V.Sh.
Observation of muon pairs in neutrino interactions at Serpukhov 70 GeV accelerator. 361870
Epstein, W.
International arrangements for nuclear-fuel-cycle facilities: the politics of the problem. 374493
Epting, J.T.
Environmental planning and the siting of nuclear facilities: the integration of water, air, coastal, and comprehensive planning into the nuclear siting process. Improving regulatory effectiveness in federal/state siting actions. (NUREG – 0199) 352970
Improving regulatory effectiveness in Federal/State siting actions. Environmental planning and the siting of nuclear facilities: the integration of water, air, coastal, and comprehensive planning into the nuclear siting process. Final report. (PB – 269386) 366179
Erager, S.I.
Microstructure effect on the process of 12Kh1MF steel destruction under creep. 349445
Eramzhyan, R.A.
Excitation of collective states in spherical nuclei in high-energy proton interactions. 361975
Excitation of giant resonances in radiative pion capture on 1p shell nuclei. (ZfK – 336) 364681
Excitation of magnetic dipole states in 1p-chell nuclei in radiative pion capture. (JINR-E – 2-10509) 351275
Towards a better understanding of ^{16}O nuclear structure: muon capture and radiative pion capture reactions. 361974
Eraslan, A.H.
Simulation of chlorinated water discharges from power plants on estuaries and rivers. (CONF-771109 – 75) 378891, 379243
Thermal impact assessment of multi-power plant operations on estuaries. 378890
Erasmus, C.S.
Natural diamonds. 375260
The NIMROC samples as reference materials for neutron activation analysis. 372852
Erath, W.
Measurements of doses in the mrad range by means of LiF, CaF_2 and $CaSO_4$ dosemeters and determination of the nergy response of LiF and CaF_2. 355593
Erb, D.E.
The gas-cooled high temperature reactor. Perspectives, problems and programmes. 365905
Reliability improvement: where do we go from here. ERDA – LWR technology program. 363441
Erb, E.
Mass flow measurement with an infrared absorption measuring unit in the MARVIKEN-II blowdown experiments. 370876
Erb, K.A.
Quadrupole transfer strength studied through heavy-ion induced two-neutron transfer between the shape transitional nuclei ^{190} ^{192}Os. 359489
Erbacher, F.
Behaviour of light-water reactor fuel elements under accident conditions. 365510
Fuel rod behaviour in the refill and flooding phase of a LOCA. (AED-Conf – 77-403-003) 376210
Investigations of the fuel rod behavior in the low pressure phase of a LOCA and of the interaction between ballooning Zircaloy claddings and emergency core cooling. (KFK – 2435) 358203
Out-of-pile cluster experiment on fuel rod behaviour in the flooding phase of a hypothetical LOCA. 370944
Erbisch, F.H.
Effects of gamma radiation on lichens and lichen-forming fungi and algae. (COO – 2085-18) 357569
Erbsman, F.
Reliability of myocardial imaging with thallium-201 to visualize myocardial ischaemia in coronary artery disease. 354943
Erchak, D.P.
Paramagnetic defects in germanium irradiated with neutrons. 348782
Polyvacancy-type defects and amorphization in germanium irradiated with fast neutrons. 348762
Erchenkov, V.V.
Adsorption chemiluminescence on γ-irradiated adsorbents. 378539
Erdman, C.A.
Condensation of fuel onto the above-core structure during an LMFBR core-disruptive accident. (NUREG – 0344) 373805
First-generation model to predict particle-size distributions for condensed UO_2 vapor. 352253
Primary aerosol particle-size distribution from homogeneous nucleation condensation and particle growth. (NUREG – 0391) 379265
Erdman, K.L.
Basic and applied research at the TRIUMF Meson factory. 364301
Erdmann, C.A.
Importance of the solification of fuel condensate. 352230
Erdmann, D.
VICKSI beam line instrumentation and control system. 363213
Erdmann, R.C.
Application of the Bayes equation to predicting reactor system reliability. 362924
Applications of the reactor safety study probabilistic safety analysis. 362916
Comprehensive method of common-mode failure analysis for LMFBR safety systems. (CONF-761001 – P2) 363032
Preliminary accident radiological risk assessment of a large commercial MOX fuel fabrication plant. 352318
Erdmann, W.
The handling system. 376588
Erdoes, G.
Fluctuations of approximatelly 10^{14} eV cosmic rays. (KFKI – 77-51) 356224
Erdoes, P.
Reactor Technology. 368084, 368414
Erdoesi, N.
Development of the national nuclear programme and preparations for the introduction of nuclear power in Hungary. 371332
Erdos, P.
Reactor technology. 379382
Erdtmann, G.
Determination of 13 elements with atomic numbers between 12 and 47 by 14-MeV helium-3 activation analysis. 364910
Trace analysis of heavy metals in high purity materials by helium-3 activation analysis. 375350

Eremee E P Arkhipov, V.P.
Interaction of gamma radiation of Co^{60} with heterogeneous systems, made on base of polymers with dyes. 370153
Eremeev, A.N.
Distribution patterns of uranium deposits and methods of evaluating them. 365262
Eremeev, V.A.
Technique for cascade transition detection. (Soviet patent document 476526/A/) 376599
Eremenko, I.L.
Synthesis and magnetic properties of the vanadium carboxylate complexes. 369621
Eremenko, L.E.
Coherent production of particles by 200 GeV/c pions on nuclear emulsion. 375061
Eremenko, N.K.
Oxidative dimerization of benzene to diphenyl in the presence of heterogeneous catalysts. 378378
Eremenko, V.V.
Magnetic intermediate state in dysprosium orthoferrite. 361451
Study on the ferromagnetic resonance in $Y_3Fe_5O_{12}$ by the optical spectroscopy method. 374788
Eremenko, Yu.A.
Some characteristics of gamma quanta in hadron interactions at energies above 2.5 TeV. 361742
Eremenko, Z.V.
Study of processes of thermal decomposition of rare earth concentrates with increased content of siderite in the presence of soda. (INIS-mf – 4187) 375439
Thermogravimetric study of rare earth concentrates. 359596
Eremin, A.A.
A digital method for registering count rate differences. 357457
Eremin, M.V.
To the theory of interactions of impurity center with an external electric field. 356004
Eremin, N.V.
Study on characteristic x-radiation of atoms excited by multicharged ions. (INIS-mf – 3915) 348674
Eremin, V.K.
Use of silicon with gold compensation for detectors of low absorbed radiations. 374366
Eremin, Yu.G.
On composition of complexes in the molybdenum-rhodanide-amine system. 378256
Eremina, L.F.
Phase equilibria in the Y-Zr-H system. 375829
Eremina, M.I.
Isothermal quenching effect on kinetics of hydrogen degassing from the 40 KhN steel. 357269
Erents, S.K.
A novel technique for measurement of energetic hydrogen flux to the walls in fusion devices. 377397
Re-cycling experiments in the DITE tokamak. 374841
Erez, G.
The dependence of the conduction electron wave function on the lattice symmetry. (IA – 1338) 364003
Induction-heated oven for laser spectroscopy of atomic uranium. 366334
Ergakov, V.A.
ERG-350/3 electrostatic rotor generator. (ITEF – 84(1975)) 374372
Ergma, E.
Carbon burning with convective URCA neutrinos. 372158
Erhardt, W.
Investigations on biodegradation of human albumin microspheres. (INIS-mf – 4010) 362722
Erickson, E.G.
Experiments on pressure-driven fuel compaction with reactor materials. (CONF-761001 – P4) 362948
Erickson, W.C.
Determination of the decameter wavelength spectrum of the quiet sun. 356225
Observations of the quiet Sun at meter and decameter wavelengths. 353692
Erickson, W.H.
Review of DREV uranium research. 373136
Ericson, K.
Detection of atherosclerotic plaques in carotid arteries by the use of ^{123}I-fibrinogen. 370404
Ericson, L.
Full-scale reactor safety experiments performed in the Marviken Power Station, Sweden. 370618
Ericson, M.
Axial polarizability and pionic field. (LYCEN – 7702(pt.1)) 359396
Long-range NN interaction and axial polarizability. 372677
Ericson, T.E.O.
Absorptive line shape of hadronic atoms. 366838
The axial current in extended systems. 354062
Eriksen, T.E.
The reactions of hydroxyl radicals with alkyl disulphonic acids in aqueous solution studied by pulse radiolysis. 365068
Erikson, A.L.
Fast reactor fission yields for ^{237}Np. (ICP – 1050-3) 374256
Erikson, E.H.
Preliminary study of the uranium favorability of tertiary rocks, southeastern Oregon: eastern Klamath, Southern Lake, Harney, and western Malheur Counties. (GJBX – 92(77)) 378837
Eriksson, L.
Coincidence electronics for the circular ring transaxial positron camera. 379872
Measurements of γ-γ and γ-electron directional correlations in ^{119}Sb. 364742
Erin, E.A.
Redox potentials of the Bk(4)-Bk(3) pair. 369762, 369763
Erkelens, H. van
Relativistic Boltzmann theory for a plasma. I. 371836
Relativistic Boltzmann theory for a plasma. II. 377398
Erkhov, V.A.
Efficiency of introduction of nuclear physical methods of testing. 360158
Erkhov, Yu.V.
Reprocessing of rhenium reextracts by electrodialysis with ionite membrane. 357076
Erko, V.E.
Energy spectra of excited atoms produced by electron impact dissociation of H_2 and D_2 molecules. 368692
Erko, V.F.
Kinetic energy distributions of excited H and D atoms produced by electron impact on H_2O and D_2O molecules. 368691
Erlandson, O.D.
Low-enrichment and denatured (thorium) fuels for the HTGR: a status report. (GA-A – 14606) 363468
Erlandson, R.A.
Skin cancer: comparison of aggressive potentials of sunlight-induced and x-ray-induced tumors. 379080
Erlenbach, H.R.
The North Rhine-Westphalian Factory Inspectorate's incorporation monitoring measures for the routine control of potentially endangered radiation workers and the results of this control compiled over the period 1964-1976. 360533
Erlenkeuser, H.
Age determination of sediments by ^{210}Pb using a plastic detector technique. 367370
Ermakov, A.N.
Investigation of interaction of zirconium and hafnium with o,o'-dihydroxyazo compounds. 359595
Reactions of hydrogen atoms during the radiolysis of binary system $H_2S - C_2H_4$. 349339
Ermakov, V.A.
Kinetics and mechanism of oxidation of plutonium (6) by persulfate ions in sodium carbonate solutions. 359729
Ermakov, V.I.
Gamma-gamma micrologging. 354682
Ermakov, V.S.
Disproportionation of neptunium (6) in sodium hydroxide hot solutions. 362232
On the behaviour of hepta and hexavalent neptunium in lithium hydroxide solutions. 369740
Redox potentials of Np(6)-Np(5) and Pu(6)-Pu(5) pair in LiOH solutions. 359730
Ermakov, Yu.I.
Preparation of the (Re + Pt)/SiO+L2 catalysts using rhenium platinum organometallic compounds. 378257
Ermakova, A.M.
Evaluation of reservoir properties and oil and gas content in carbonate deposits from exploitation-geophysical data. 365288
Evaluation of reservoir properties of Carbonic and Devonian polymiet and pressed terrigene reservoirs in Volgograd region from exploitation-geophysical data. 365263
Ermakovich, K.K.
EPR of activated cubic ZrO_2 and HfO_2 monocrystals. (INIS-mf – 3955) 377187
Ermanok, M.Z.
Rational thermomechanical parameters of pressing granulated heat resistant alloy-EhP741. 349391
Ermans, A.M.
Reliability of myocardial imaging with thallium-201 to visualize myocardial ischaemia in coronary artery disease. 354943
Ermatov, S.E.
Exoelectron emission (EEE) from surface of irradiated oxides 3. Method for analysis of complex spectra due to thermally stimulated EEE, using magnesium oxide as an example. 365047
Migration of metallic impurities in Silica gel under reactor irradiation action. 373343
Ermekova, V.M.
Permeability changes and incorporation of labelled thymidine into DNA and whole cells of the fibroblast culture of Chinese hamsters affected by MEA and low temperature. 378959
Ermilov, A.I.
Elastic backscattering of pions minus on protons at 25 and 38 GeV/c. 369349
Ermilova, V.C.
Fluctuations and the most probable values of relativistic charged particle energy loss in thin gas layers. 353233
Ermishkin, V.A.
Effect of scale factor on durability of tungsten-rhenium alloys. 349526
Ermler, W.C.
Ab initio effective core potentials including relativistic effects. I. Formalism and applications to the Xe and Au atoms. 368511
Nuclear corrections to molecular properties. V. Refinements in ab initio normal-coordinate potential energy and property surfaces for water and their effect on the vibrational analysis. 350606
Ermolaev, A.T.
RT-series electron accelerators. (INIS-mf – 4194) 376350
Ermolaev, M.I.
DTA and differential thermogravimetric analysis of rhenium and molybdenum sulfides. 349217
Ermolaev, O.N.
Failure peculiarities of hot-pressed beryllium during testing on impact strength, statical tension and fatigue. 373214

Ermolaev, O.P.
Investigation of shallow radiation defect levels produced in Ge by fast-neutron irradiation. 371586
Ermolaev, V.K.
On mechanism of homomolecular isotopic exchange reaction of O_2 on the surface of lanthanum oxide irradiated in vacuum. 373045
Ermolaev, V.L.
Study of complexing between organic molecules and rare earth ions in solutions by the method of electron energy transfer. 362177
Ermolaeva, N.V.
On the population of the lymphoid tissue cells responsing to irradiation and administration of degranol and hydrocortisone by DNP degradation. 370342
Ermolenko, A.S.
Effect of magnetic anisotropy on temperature dependence of magnetization of some compounds of the RCo_5 type. 349458
Magnetic properties and crystal structure of UCosub(5,3) alloy. 373183
Magnetic properties and magnetic reversal processes in quasi-binary compounds of $R(Co, Ni)_5$ type. 373182
Magnetocrystalline anisotropy and jump-like magnetic reversal of $Smsub(1-x)Prsub(x)Co_5$ single crystals. 369934
Ermolov, A.F.
A study of πsup(+), πsup(-) and proton production in pp interactions at 69 GeV/c. 361867
Ermolov, P.F.
Study on the dependence of associative multiplicity of charged pions upon π^- meson transverse momentum in pp interactions at 69 GeV/c. 351218
Ermolovich, I.B.
Ni effect on photoelectric properties of CdS monocrystals. (INIS-mf – 3955) 362162
Erndt, A.
The inactivation of oxytocin by 254 nm radiation. 367451
Ernst, A.
Magnetic ordering of rare earth monochalcogenides. 350726
Ernst, D.J.
Correlation expansion of the optical potential. 359397
Ernst, J.
Magnetic interactions in iron (III) porphyrin chlorides. 364004
Ernst, K.
Methods for the accountability of mixed oxide. (PB – 267116) 363732
Ernst, M.L.
NRC nuclear energy center study. 370613
Ernst, V.
A quantum theory of the self-energy of non-relativistic fermions and of the Coulomb-Yukawa force acting between them. 374559
Ernst, W.
Some comments on "universality" at high energies. 353072
Eroe, J.
Quasi-elastic scattering of 60MeV protons on deuteron clusters in ^{6}Li and ^{7}Li nuclei. (JINR-E – 1-8935) 356564
Erofeev, B.V.
Radiation, dislocations and reactions of solids. 369781
Erofeev, R.S.
Preparation and study of properties of SmS base alloys. 378258
Erofeeva, O.N.
π^- C^{12} interaction followed by neutral particle production at 40 GeV/c. (ITEF – 6) 353933
Erofeeva, V.A.
Phase composition and properties of nitrided layer of low carbon stainless steels. (INIS-mf – 4046) 369920
Erokhin, A.A.
Kinetics of molybdenum melts interaction with oxygen. 349387
Erokhin, R.A.
Behaviour of ^{239}Pu and dynamics of morphological changes in the lungs of rats after continuous inhalation of the citrate complex of the isotope. 379100
Erokhina, G.M.
On different types of hereditable changes in the viability of Amoeba protens cells x-irradiated with varying doses. 352010
Eron'yan, M.A.
Effect of nitrogen equilibrium pressure on the TiNsub(n) and HfNsub(n) melting temperature. 378765
Eroshenko, E.A.
Study on electromagnetic conditions in the interplanetary space by means of cosmic rays. 356186
Eroshkina, N.B.
Study of 200 GeV/c proton diffractive dissociation using the parametrically invariant quantity g_1. 369339
Erozolimskij, B.G.
New measurements of spin-electron angular correlation in polarized neutron decay. (INIS-mf – 3895) 354180
Polarized neutron intensive beam on a vertical reactor channel. 371063
Erre, N.
The choice of a biological model in assessing internal dose equivalent. 360330
Errera, M.
Nuclear safety and biological uncertainties. 380143
A sensitive method for measuring pyrimidine dimers in situ. 351988
Erriques, O.
Strange particle production by antineutrinos. 356505
Ershkovich, A.I.
Solar wind interaction with type-1 comet tails. 372159
Ershov, A.Yu.
Investigation of reactivity of nitroso complexes of iron and ruthenium by means of the isotopic exchange method. 378360
Ershov, B.G.
Nature of radicals and mechanism of low-temperature radiolysis of cellulose. 349347
Production and study of Ge, Sn, and Pb in the unusual oxidation states (I) and (III) after low-temperature radiolysis of aqueous solutions of their salts. 365055
Pulse radiolysis study of electron tunneling in polar systems at low temperatures. 349348
Ershov, Eh.B.
The "ARS-1" device for radiometry of samples containing alpha-radioactive isotopes. 363612
Ershov, I.V.
Device for absorption X-ray analysis. (Soviet patent document 483610/A/) 354296
Ershov, S.N.
Migration energy of intrinsic point defects in defferent charge states in germanium and silicon. 361438
Ershov, V.G.
Electron spin resonance spectra of irradiated frozen aqueous solutions. 349340
Ershov, V.P.
Cryogenic source of polarized hydrogen and deuterium atoms. 370735
Ershov, V.S.
Effect of ultrasonic treatment on the efficiency of electrical separation of niobium concentrates. (INIS-mf – 3914) 349383
Ershova, A.T.
On the effect of CdO on the interaktion of In_2O_3 with ammonium chloride. 375487
Ershova, E.V.
On the role of endogenous substances in creating enhanced radioresistance background. 378989
Ershova, L.A.
Effect of composition and thermal treatment conditions on photochromic glass properties. 354595
Ershova, Z.V.
D-T high vacuum pumping in fusion reactors. 368918
Determination of tritium accumulation in lithium during irradiation with neutrons from a californium source by a scintillation method. (INIS-mf – 3954) 361532
Nuclear transformations in vanadium, molibdenium and niobium base alloys used as structural materials in thermonuclear reactor blankets. (INIS-mf – 3954) 361439
Study on the D-T mixture permeability through structural materials and problems of its decrease. (INIS-mf – 3954) 362475
Erskine, J.R.
^{16}O + ^{40}Ca inelastic scattering and the elastic scattering wave function. (CONF-771059 – 5) 378051
Inelastic scattering of ^{16}O on even-Ca isotopes. (CONF-770968 – 6) 372808, 378050
Survey of single particle states in the mass region A > 228. 372596
Erte, D.
Equipment and instrumentation of a laboratory for Purex process analytical chemistry. 359850
Ertek, C.
Systematic errors of the determination of the cadmium ratio of neutron capture rates in slightly enriched uranium. 372746
Ertel, G.
Cooperation of CMEA member states in the field of the manufacture and use of stable isotopes and compounds thus labelled. (KFK-tr – 546) 376235
Erten, H.N.
Yields and isomer ratio in A = 134 chain for the spontaneous fission on ^{252}Cf. 375172
Ertl, G.
Reactive and nonreactive scattering of Co and O_2 from Pd(111). 368772
Erusalimskaya, T.M.
Preparation and certain properties of the films of solid solutions of the system Bisub(2)Tesub(3-x)Sesub(x). 378607
Ervanne, J.
Charge asymmetry at large psub(T) in inelastic anti pp reactions at 22.4 GeV/c. 353943
Multiplicities and forward-backward correlations in anti pp interactions at 22.4 GeV/c. 366882
Erwin, A.R.
Direct e^+e^- pair production by 300-GeV/c protons in neon. 359341
Erwin, J.
Extraction of average multiplicities of high-energy off-mass-shell ππ and Kπ scattering. 359338
Microprocessor controlled scanning and measuring of bubble chamber film. 379880
Erwin, W.R.
Nondestructive high temperature gas radiochromatography. 372861
Erzinkyan, A.L.
Hyperfine interaction for Tb^{160} in gadolinium. 377188
Esajbegyan, S.V.
e^+e^--annihilation into a hadron pair followed by hard photon radiation. 356408
Neutral currents in electron-nucleon elastic scattering and the sign of the weak interaction constant. 366844
Polarization phenomena in isobar production by a weak neutral current. 375026
Esat, M.T.
Energy calibration of the A.N.U. 14UD Pelletron accelerator. 370771
The static quadrupole moment of the first excited state of ^{198}Hg. (ANU-P – 695) 362057, 372747

Esaulov, A.S.
Inelestic scattering of 1,2 GeV electrons by Al and Ti nuclei. (KFTI – 76-27) 362031
Esbensen, H.
Channeling of protons, pions and deuterons in the GeV region. 353418
Channelling effects for 15 GeV/c negative pions. 377798
Energy loss of 2-15 GeV/c particles in Si and Ge single crystals with a comparison to existing theory. (INIS-mf – 3996) 364005
Esbjerg, P.
Labelling with radioisotopes, release and dispersal of the rove beetle, Aleochara bilineata Gyll. (Coleoptera: Staphylinidae) in a Danish cauliflower field. 367649
Escale, R.
Conformational study of cyclic 2-amino and 2-dimethylamino alcohols with six-membered ring by ^{1}H-NMR spectroscopy. 367032
Escalona
One aspect of the construction of superphenic; the on-site assembly of certain components of the nuclear boiler. 371043
Eschnauer, H.
Hard materials and their properties for plasma spraying. 375828
Eschnauer, H.R.
The manufacture of powder additives for thermal spraying. 351825
Eschrich, H.
Solidification of high-level liquid wastes to phosphate glass-metal matrix blocks. 358482
Substance including highly radioactive waste and method for its production. (German (F.R.) patent document 2524169/A/) 352856
Eschrich, K.O
On the possibility to explain the temperature distribution in sunspots by an anisotropic heat transfer. 377604
Eschweiler, H.
Dose rate and dose distribution in the gammacell 220 of the department of chemistry. (SGAE – 2729) 373566
Escobar, B.M.
Applications of the basic approximation of the K-harmonics method to the alpha particle. 350475
Escoubes, B.
Inclusive production from 10 GeV/c K^+ on nuclei and comparison with the same production on hydrogen. 353955, 369368
Strange particle production by antineutrinos. 356505
Eselun, S.A.
Thermal expansion of a boron – aluminum tube. 362520
Eshleman, V.R.
Radio science investigations with Voyager. 374902
Esin, N.N.
Flux-gate defectoscope with radio-pulse excitation. 357216
Esin, O.A.
Using molecular dynamics method for the evaluation of Fe-Ni and Al-Zn melts structure properties. 349516
Esin, S.K.
New current pulser in a beam extraction system of the Yerevan synchrotron. (EFI – 181(27)-(76)) 352417
Esin, V.M.
Heat transfer in ring cross-section tubes at constant heat-physic properties and boundary conditions of qsub(w) = const. 373991
Esina, N.O.
Regularities of formation of oriented electrodeposits during electrolysis of molten salts. (INIS-mf – 4189) 375408
Esipchuk, Yu.V.
On the stability of plasma waves in a closed drift accelerator. (IAE – 2505) 358000
Eskeys, A.
Isospin analysis of the diffraction dissociation processes in K^+p interactions at 5 and 8.2 GeV/c. 356506
Eskola, P.
Statistical analysis of exponential decay curves by use of Algol procedure SPLIT in computer program VIPUNEN. (HU-P – A-41) 364684
Eskreys, A.
High multiplicity π^-d interactions at 21 GeV/c. 356503
Production of π^0 mesons in K^+p interactions at 8.2 GeV/c. 353936
A study of direct and indirect pion production in π^+p interactions at 16 GeV/c. 377804
Eskreys, K.
High multiplicity π^-d interactions at 21 GeV/c. 356503
Production of π^0 mesons in K^+p interactions at 8.2 GeV/c. 353936
Esling, C.
Textures of iron oxide ores by neutron diffraction and topotactical relation. 366483
Esparza, V.
Experiment data report for semiscale Mod-1 test S-06-6 (LOFT counterpart test). (TREE-NUREG – 1126) 362917
Espe, I.
Decay of the compound nucleus ^{74}Kr formed in the reaction ^{16}O + ^{58}Ni. 354265
A new experimental method for the study of regions of high spin and excitation energy. 378070
A study of ^{15}N by use of the reaction ^{13}C(^{3}He,p)^{15}N. 372804
Espen, P. van
A method for the accurate description of the full-energy peaks in non-linear least-squares analysis of X-ray spectra. 355692
Espenson, J.H.
Mechanism of hydrogen evolution from hydridocobaloxime. 378232
Espigat, P.
Observation of interference correlations between like pions in the reaction proton antiproton→2πsup(+) 2πsup(-)πdeg at low energy. 356382
Espinosa, J.M.
Calculation of probability amplitudes for radiative transitions of two-particle bound systems. 372608
Esposito, A.
On the distribution of the radiation doses from thick targets in high energy electron accelerators. 355030
Esposito, B.
Description and performance of MEA, the magnetic detector at ADONE. 379480
Multihadron production e^+e^- annihilation at 1.6 c.m. energy. 364575
Esquivel, J.L.
Shake-up satellites in X-ray photoelectron (ESCA) spectra of 5f°Th(IV) compounds. 356929
Esser, E.
Experimental examinations about the proliferation and radiotherapy after administration of Vincristin and Adriamycin. 367492
Essex, E.A.
Equinoctial variations in the total electron content of the ionosphere at northern and southern hemisphere stations. 354704
Essig, C.
Influence of fuel-coolant-interactions on loss of flow type core disruptive accidents for the SNR-300. (CONF-761001 – P3) 365545
Essington, E.H.
Statistical analysis and design of environmental studies for plutonium and other transuranics at NAEG "Safety-Shot" sites. 349625
Essl, R.
On Stark effects of the helium triplet principal series at high field strengths. 355875
Essling, A.M.
Half-life of ^{239}Pu by two independent methods. 351375
Essling, M.
Ingestion of ^{241}Am sources intended for domestic smoke detectors: report of a case. 370410
Esslinger, M.
Stress-calculation for rotary shells under axisymmetric load and for circular cylinders with unsymmetric edge loads. (KFK-CAD – 16) 370782
Stress-calculation for thin-walled rotary shells under axisymmetric loads. Pt. 2. (KFK-CAD – 38) 370779
Estabrook, K.
Laser light absorption due to self-generated magnetic fields. 350884
880 nanosecond particle in cell mover for the CDC 7600. (UCID – 17050) 366533
Estabrook, K.G.
Light absorption and scattering mechanisms in laser fusion plasmas. (UCRL – 80153) 377341
Estabrooks, P.
Study of $K\pi$ scattering using the reactions $K^+p \rightarrow K^+\pi^+n$ at 13 GeV. (SLAC-PUB – 1886) 377799
Esten, M.J.
Strange particle production by antineutrinos. 356505
Estep, E.E.
Station modification during plant startup and operation. 358158
Esterling, R.J.
$f^0(1270)$ production in the reaction $\pi^-p \rightarrow \pi^+\pi^-n$ at 12 and 15 GeV/c. 372501
Esterlund, R.A.
Mass-yield distributions in the reaction of ^{56}Fe ions with ^{238}U. 351410
Estes, B.F.
Recent operational history of the new Sandia Pulsed Reactor III (SPR III). (SAND – 77-1116C) 379845
Estes, R.
Initial value problem with non-Hermitian radial mode equations. 350870
Esteve, D.
Simulation of some results of radiation-enhanced diffusion. 354623
Esteves, M.J.G.
Effect of U.V.-radiation on the cell membrane of Herpetomonas samuelpessoai: binding of concanavalin A. 378960
Eston, T.E.
Effect of whole-body irradiation with several radiation doses on the quality of rabbit sperm. 352034
Eston, V.R.
Effect of whole-body irradiation with several radiation doses on the quality of rabbit sperm. 352034
Labelling of human fibrinogen with radioactive iodine (^{125}I). 351620
Estreich, P.J.
Sizing of air cleaning systems for access to nuclear plant spaces. 368010
Estrup, P.J.
Structural models of the reconstructed brace W 001 brace surface. 374667
Eswaran, M.A.
Recent observations on giant resonances in nuclei. 372748
Etemad, M.A.
Education and training for reactor core analysis at AEOI. 352438
Etezadi-Amoli, M.
Operational effects of a dc superconducting line on a high-voltage power system. 365707
Etienne, P.
Molecular beam system controlled by quadrupole mass spectrometer. 350607

Etim, E.
Duality for vector and axial vector current propagators. 353798
A soluble field theoretical model for strong interactions inspired by the statistical bootstrap. 372407
Etingof, E.I.
The theory of channeling in alloys. (INIS-mf – 3995) 377289
Etlinger, B.
TSCAP and admittance spectroscopy of defects induced by gamma rays in GaP. 370148
Eto, Motokuni
Statistical properties of strengths of graphites for high temperature gas-cooled reactor. 370118
Study on porosity of nuclear graphite by activation analysis and mass-spectrometry. (JAERI-M – 7223) 378781
Ettinger, K.V.
Dosimetric response of some biochemicals used as lyoluminescent dosimeters. 371094
Lyoluminescence dosimetry with sensitizers. 371095
Ettling, K.
A thin-film scintillator detector for light ions in low-energy nuclear physics. 379881
Ettmayer, P.
The melting points of some rare-earth metal nitrides as a function of nitrogen pressure. 370106
Etzel, P.B.
BD – 3°5357: an eclipsing binary with a hot subdwarf component. 356221
Etzler, P.J.
Question of molecular features in cool Ap stars. 372139
Eu, B.C.
A stochastic theory of collision phenomena, distribution of observables and information entropy. 371479
Eubank, B.F.
Operation Anvil. Onsite radiological safety report, July, 1975 – September, 1976. (NVO – 410-41) 373466
Eubank, M.
Search for fractional charge on tungsten particles. 351213
Eumann, H.H.
Ion exchanger filter. (German (F.R.) patent document 2555131/A/) 369622
Eurola, Tapio
Problems and experience of regulatory inspection in Finland during construction of nuclear power plants. (INIS-mf – 4060) 371264
Eusebius, L.C.
Cation exchange sorption of some metal ions from aqueous ammonium acetate medium : separation of Ce(IV) from Ce(III), La(III) and other metal ions. 367081
Evangelatos, G.
Inspecting cable routine for redundancy of safety systems. 358061
Evangelidis, E.
The behavior of the magnetic lines of a rotating system. 369071
Evangelista, C.
Evidence for a narrow width boson of mass 2.95 GeV. 372519
Inclusive anti K^{*0} (890) production in π^-p interactions at 16 GeV/c. 356507
Observation of the reactions $\pi^-p \rightarrow$ anti pd at 10 and 16 GeV/c. 372520
Production of phi and f' in 10 GeV/c K^-p interactions. 353959
Evangelisti, R.
Design and safety criteria of the alpha-gamma hot laboratory of CNEN, Italy. 360656
Evans, A.E.
Equilibrium delayed neutron spectra from fast fission of uranium-235, uranium-238, and plutonium-239. 362058
Evans, A.G.
Confinement of airborne radioactivity. Progress report: January – December 1976. (DP – 1463) 358326
Evans, D.
Sources of instability in superconducting magnets and possible explanations of the training problem. 360719
Evans, D.A.
Mathematical cosmology. 366720
X-ray induced increase of mitotic crossovers in Nicotiana tabacum. 365374
Evans, D.I.K.
Immunological detection of residual leukaemic disease in the bone marrow of children with acute lymphoblastic leukaemia. 379102
Evans, D.S.
Starspots on BY DRA-type stars. 369072
Evans, E.A.
Self-decomposition of radiochemicals. Principles, control, observations and effects. 351605
Evans, E.L.
Evaluation of modern uranium prospecting techniques. (AECL – 5713) 360141, 365264
Evans, G.V.
The integrated pulse velocity method applied to the calibration of flowmeters in high-pressure natural gas systems. 352362
Evans, J.
New isotope of californium: ^{255}Cf. (BNL-NCS – 22500) 356828
Evans, J.C.
Estimation of skeletal calcium in humans by exhaled ^{37}Ar measurement-evaluation of the fast neutron dose requirement. 352154
Evans, J.C. Jr.
Nucleon stability: a geochemical test independent of decay mode. 372521
Evans, J.H.
The full-scale cask program at ORNL. 350037
An interbubble fracture mechanism of blister formation on helium-irradiated metals. 357411
Obsolete cask program: oblique and center-of-gravity drop tests. (ORNL/TM – 1312(Vol.17)) 367953
Safety analysis report for packaging: the ORNL gas-cylinder fire and impact shield. (ORNL/ENG/TM – 5) 367945
Safety analysis report for packaging: the ORNL HFIR spent-fuel-element shipping cask. (ORNL/ENG/TM – 12) 374036
Safety analysis report for packaging: the ORNL HFIR unirradiated fuel element shipping container. (ORNL/ENG/TM – 9) 365733
Safety analysis report for packaging: the ORNL in-pile capsule shipping cask. (ORNL/ENG/TM – 10) 374034
Safety analysis report for packaging: the ORNL lithium hydroxide fire and impact shield. (ORNL/ENG/TM – 8) 365732
Safety analysis report for packaging: the ORNL loop transport cask. (ORNL/ENG/TM – 11) 374035
Safety analysis report for packaging: the ORNL tungsten-shielded cask. (ORNL/ENG/TM – 3) 363122
Safety analysis report for packaging: the ORNL uranium-shielded shipping cask. (ORNL/ENG/TM – 4) 365730
Evans, J.J.
Building a training program to meet plant startup, ANSI 18.1 and 10 CFR 55 requirements. 358133
Evans, K. Jr.
Equilibrium field coil system for the Argonne EPR design. (CONF-771029 – 181) 377362
Plasma engineering studies for the tokamak experimental power reactor. (CONF-771029 – 190) 377540
Evans, K.D.
The gross energy balance of solar active regions. 372160
Noise measurements for voltage sensitive amplifier. 355605
Evans, L.
External proton beam lines and the splitter systems of the CERN SPS. 363215
Evans, M.L.
Binding of $^{45}Ca^{2+}$ to particulate fractions of coleoptile tissue. 354905
Thermal-neutron coincidence counting of large plutonium samples. 380120
Evans, N.J. II
Energetics of molecular clouds. I. Methods of analysis and application to the S255 molecular cloud. 372161
Evans, N.R.
An observational check on the phase shifts determined by the angular diameter method of distance determination for classical Cepheids. 359081
Evans, P.J.
Rotation-alignment mechanism and the second discontinuity in the yrast level spacing. 372619
Evans, R.B. III
Reaction of uranyl nitrate solutions with amberlite IRC-72 cation exchange resin at 30°C: a kinetic investigation for the HTGR fuel recycle plant. (ORNL/TM – 5866) 378565
Evans, R.G.
Implosion and compression of gas filled microballoons. (RL – 77-122-B) 364211
Evans, S.
Determination of the valence electronic configuration of uranium dioxide by photoelectron spectroscopy. 350608
Evans, T.C.
Radiation-induced alterations in murine lymphocyte homing patterns. I. Radiolabeling studies. 362625
Evans, T.L.
Membership and other problems of the globular cluster M22. 372162
Near infrared photometry of globular clusters. 359082
Evans, W.H.
A search for the I peak at 2.60 GeV/c^2 in 12 GeV/c anti pp interactions in the CERN 2m HBC. 377781
Evans, W.J.
Nonaqueous reductive lanthanide chemistry. I. Reaction of lanthanide atoms with 1,3-butadienes. 378259
Nonaqueous reductive lanthanide chemistry. II. Conversion of cis,cis-1,5-cyclooctadiene to cyclooctatetraenyl dianion by reduced praseodymium and potassium. 378260
Evdokimov, A.A.
Binary tungstates of potassium and rare earths. 351571
Double molybdates of potassium and rare earths. 359696
Evdokimov, A.F.
Device for nuclear magnetic logging. (Soviet patent document 441541/A/) 360173
Modelling of the contactless polarization current switch-off process in nuclear-magnetic logging. 367360
Evdokimov, A.K.
Semiautomatic system for measuring the magnetic field of an isochronous cyclotron. (JINR – 9-9545) 367963
Evdokimov, A.V.
On the diffusionless crystallization in Ge – A^3B^5 systems. 359606
Evdokimov, O.B.
Fast electron path in dielectric materials. 356548
Measurement of electric potential distribution in dielectrics. 376740
Evdokimov, S.A.
Continuous radiation under ion bombardment of some transition metals. 374764
Excitation of sputtered and scattered particles under ion bombardment of some metal surfaces. (INIS-mf – 3996) 364095
Evdokimov, Yu.B.
State of and prospects for the application of neutron generators in national economy. (INIS-mf – 4194) 376363

Evenko, V.I.
Effect of surface orientation on separated flow characteristics. (INIS-mf – 3957) 363098
Evensen, N.M.
Sm-Nd dating of Archaean basic and ultrabasic volcanics. 357469
Evenson, P.
Curious random counting statistics: theory, an actual flight experiment and possible applications for a suggested electrical circuit. 371096
Everett, D.B.
Gamma-radiation imaging system based on the Compton effect. 361032
Everett, M.R.
The creep strain limit experiment. 360840
Joint programme of uni-axial creep measurements of HTR compacts and matrix material under tensile load at 900°C. 360077
Everitt, C.W.F.
Gravitation, relativity and precise experimentation. 355755
Evernden, J.F.
Spectral characteristics of the P codas of eurasian earthquakes and explosions. 365725
Evers, E.L.
Pulse radiolysis study of protoferrihaem IX intercalated in sodium dodecyl sulphate micelles. 375682
Evers, V.
Layout and arrangement of a PNP prototype plant. 370957
Eversberg, H.
Documentation of the plant. 376587
Eversole, R.E.
Safety analysis report for packaging: the ORNL gas-cylinder fire and impact shield. (ORNL/ENG/TM – 5) 367945
Safety analysis report for packaging: the ORNL HFIR spent-fuel-element shipping cask. (ORNL/ENG/TM – 12) 374036
Safety analysis report for packaging: the ORNL HFIR unirradiated fuel element shipping container. (ORNL/ENG/TM – 9) 365733
Safety analysis report for packaging: the ORNL lithium hydroxide fire and impact shield. (ORNL/ENG/TM – 8) 365732
Evetskij, Yu.L.
On the initiation of high-current discharges in dense gases. (KFTI – 75-19) 377399
Evetts, J.E.
The sputtering of high Tsub(c)A15Nb_3Si and V_3Ge. 359882
Static electric potential structures on the surface of a type II superconductor in the flux flow state. 377679
Evgrafova, D.I.
Determination of tritium accumulation in lithium during irradiation with neutrons from a californium source by a scintillation method. (INIS-mf – 3954) 361532
Evlanov, M.V.
Deuteron disintegration on heavy nuclei and allowance for neutron interaction in a final state . . 377886
Deuteron disintegration on lead isotopes. 377887
Evmenenko, N.P.
Effect of metal oxide additions and pH value on condensation of formaldehyde to carbohydrates on lead catalyst. 369629
Evmenov, A.K.
Application of radioisotope static electricity neutralizers in synthetic rubber production. 349964
Evrard, A.
Comparative analysis of a hypothetical loss of flow accident in a LMFBR using different computer models for a common benchmark problem. 371051
Evrard, G.
Safety problems related to microheterogeneities in physically mixed oxide fuels. (CONF-761001 – P3) 363001
Evseenkov, Yu.A.
Locking plug for a nuclear reactor channel. (Soviet patent document 377069/A/) 379549
Mobile biological shielding. (Soviet patent document 401250/A/) 379542
Evseev, A.G.
Development of radiation-chemical technology for production of rubber products using electron accelerators. (INIS-mf – 4194) 376286
Evseev, A.K.
Power electron accelerator for industrial radiation chemistry installations (project). (INIS-mf – 4194) 376349
Problems on unification of high-voltage electron accelerators. (INIS-mf – 4194) 376361
Evseev, A.M.
Calculation of quantum-mechanical system energy spectra using path integrals. 376903
Statistic analysis of equilibriums in the system of mixed complexes. 369626
Using molecular dynamics method for the evaluation of Fe-Ni and Al-Zn melts structure properties. 349516
Evseev, N.D.
Depth distribution of the absorbed dose of external γ-irradiation in domestic animals. 370688
Evseev, V.A.
The electrical properties of a strongly disordered system based on lightly doped germanium compensated by disordered regions. 370154
Evseev, V.S.
Effect of chemical bonds on the process of μ^- – meson capture in crystals. (JINR-R – 1-10832) 377008
Operational evaluation of ore quality using x-ray radiometric and gamma gamma methods in copper pyrite deposits in the Urals. 351933
Evseeva, L.N.
Study on Re-Ta-Mo phase diagram. 375902
Evstaf'ev, P.P.
Fabrication of cold-rolled bands of the alloy-ehi 702 in rolls. 373158
Evstifeev, E.N.
Ionic melts as media for growing of monocrystals of compounds with crystal structure of pyrochlor. (INIS-mf – 4193) 378215
Evstifeeva, A.G.
Ionic melts as media for growing of monocrystals of compounds with crystal structure of pyrochlor. (INIS-mf – 4193) 378215
Evstigneev, V.V.
Peculiarities of electron radiography of materials with microcracks. 376266
Evstropov, V.S.
Equipment for experiments on study of properties characterizing acoustic emission. (IAE – 2620) 376747
Evtodienko, Yu.V.
Effect of ionizing radiation on the processes of ion transport in the liver mitochondria. 379030
Evtushenko, N.P.
Infrared spectra of ascorbic acid and its complexes with zinc(2) and vanadium(4). 359598
Evtushenko, T.P.
Fast ion production in a tokamak plasma in the lower hybrid heating experiments. (INIS-mf – 3963) 371867
Evtyukhova, O.V.
Sulfur-35 foam flotation kinetics. 378459
Evwaraye, A.O.
Defect levels in p-type silicon doped with manganese. 351888
Evzerikhin, E.I.
Kinetics and mechanism of olefine epoxidation with hydroperoxides in the presence of molybdenum compounds. 378270, 378271
Ewald, G.
Cooperation of CMEA member states in the field of the manufacture and use of stable isotopes and compounds thus labelled. (KFK-tr – 546) 376235
Ewald, H.
Design and working principles of the Lohengrin mass separator for fission products at the high flux reactor in Grenoble. 358320
Ewald, J.
Assessment of toughness and cracking in the heat-affected zone of light water reactor components. 349485
Factors for assessing fine-grained structural steel particularly in view of stress relief annealed welded joints. (AED-Conf – 76-747-003) 355222
Ewalds, K.
Operational tests. 376584
Ewan, G.T.
Simultaneous analysis of light elements using prompt nuclear reaction gamma rays. 364850
Ewards, R.Q.
Scanning system. (German (F.R.) patent document 2625281/A/) 355544
Ewbank, W.B.
Nuclear Data Sheets. 351238, 351239, 351240
Standardized radioactive decay data sets for use in radiation dosimetry. (IAEA-SM – 222/51) 379099
Ewen, K.
Calibration of dose rate according to section 13 of the X-ray ordinance with the aid of thermoluminescent dosemeters. 349915
The medical uses of radio-active substance in North Rhine-Westphalia during the last ten years. 355031
Radiation protection in questions and answers. 367724
Ewest, E.
Calculations of radioactivity release due to leaching of vitrified high-level waste. 352873
Evaluation of products for the solidification of high-level radioactive waste from commercial reprocessing in the Federal Republic of Germany. 358481
Ewing, J.J.
Quenching of N_2(A $^3\Sigma^+$/sub u/) by I_2. 366355
Ewing, T.F.
A study of unitary approaches to inelastic scattering. 361353
Ewseew, W.I.
Nuclear reactor control group. (German (F.R.) patent document 2445370/A/) 350167
Nuclear reactor control rod. (German (F.R.) patent document 2449930/A/) 350169
Ewtuchow, A.N.
Equipment for the measurement of non-electrical parameters. (German (F.R.) patent document 2059115/B/) 371170
Ewy-Dura, A.
Effect of fluoride on the red cell (^{51}Cr label), plasma (^{125}IHSA label) and true blood volumes of rats. 373663
Exner, P.
Description of unstable systems and the problem of repeated measurements. 353073
Matrix canonical realizations of the o(m,n) Lie algebra. 353086
Unstable systems and repeated measurements. II. 369421
Extermann, P.
Observation of the decay $\pi^0 \rightarrow e^+e^-$. 377802
Eyal, Y.
Compound transfer and direct transfer reactions induced by ^{17}O on ^{13}C. 372728
Elastic scattering of ^{17}, ^{18}O on ^{12}, ^{13}C at Esub(c.m.)=12.6-14.0 MeV. (WIS-Ph – 77/16) 366969
Total fusion cross sections for ^{18} ^{17} ^{16}O + ^{27}Al at energies near

the Coulomb barrier. 366972
Total fusion cross sections for ^{18}, ^{17}, $^{16}O+^{27}Al$ at energies near the Coulomb barrier. (WIS-Ph – 77/19) 366932
Eybl, V.
Interaction of tellurium with zinc, cadmium and mercury. 373653
Eyer, H.H.
High speed imaging system for nuclear diagnostics. (N – 77-14540) 374029
Eylon, D.
Fatigue behavior of beta processed titanium alloy IMI 685. 357270
Eylon, S.
Transient confinement of a high-density plasma in a multiple-mirror magnetic-field configuration. 348970
Eylon, Y.
Charge conjugation, signature and twists. 377723
Quark diagrams for baryons. 353799
Eyre, B.L.
Electron microscopy studies of point defect clusters in metals. 351889
A systematic approach to the radiation damage problem. 357406
The void-swelling behaviour of solution-treated FV548 stainless steel irradiated with 22 MeV C^{2+} and 46.5 MeV Ni^{6+} ions and the influence of heat-treatment. 370244
Eyrich, W.
Alpha-gamma angular correlations in the reaction $^{24}Mg(\alpha,\alpha_1\gamma)$ at Esub(α) = 104 MeV. 354181
Eyring, L.
Chemical hysteresis in phase reactions in fluorite-related systems: the reactions $PrO_{1.714}$(i) + $0.032O_2$ in equilibrium $PrO_{1.778}$(xi) and $TbO_{1.714}$(i) in equilibrium $TbO_{1.500}$ (phi) + $0.107O_2$. 357375
Solid state chemistry of rare earth oxides. Final report, September 1, 1950 – July 31, 1977. (COO – 1109-87) 373294
Structural investigation of $Pr_{10}O_{18}$ by single crystal x-ray diffraction and electron microscopy. 357384
Ezaki, Masahiro
Protective functions of the experimental multi-purpose high-temperature gas-cooled reactor. (JAERI-M – 6893) 358095
Ezawa, Yasuo
On the determination of the ratios of quark fragmentation functions by inclusive electro-pion-production experiments. 353800
Ezawa, Z.F.
Renormalization group and the high energy behavior of the forward scattering amplitude. 349074
Ezhikevich, A.
Systems for power supply, control and synchronization of plasma-focus type experiments. (INIS-mf – 3954) 361498
Ezhov, S.N.
On a possibility of pre-equilibrium decay time estimation of compound system. 369422
Ezhov, V.F.
Search for a neutron electric dipole moment using ultracold neutrons. (INIS-mf – 3895) 355525
Ezhov, Yu.S.
Dependence of properties of ionic molecules on properties of ions in their composition. Metaborates and hydroxides of alkali metals. 357012
Ezhovskij, Yu.K.
Charge carrier transfer and impurity distribution in alloyed epitaxial structures. 368774
Effect of activator distribution on conductivity of epitaxial layers of CdSe. 378261
Ezikyan, A.Ya.
Electrodeposition of cobalt-nickel-boron alloys and their properties. 362208
Ezra, F.S.
Conformational characteristics of rigid cyclic nucleotides. II. The solution conformation of α-nucleoside 3',5'-cyclic monophosphates and the role of the 2'-hydroxyl group. 378334
Ezura, E.
KEK fast cycling booster. 363141
rf acceleration in KEK booster. 363278
Fabbi, B.P.
Automated preparation and XRF analysis of major/minor elemental concentrations in geological samples. 378109
Fabbiano, G.
Recent UHURU results on Centaurus X-3. (CONF-7510169 –) 364402
Fabbri, F.L.
^{3}He production in ^{4}He fragmentation on protons at 6.85 GeV/c. 354154
Angular distribution measurement of the reaction $\alpha p \rightarrow {}^3He$ d at 3.98 GeV/c. 354147
Coherent production in the dp interaction. (CNEN-LNF – 75-56(R)) 364647
Fabbro, R.
Effect of organic additives of low ionization potential on the working conditions of self-sustained discharges in CO_2-N_2-He mixtures at the atmospheric pressure. 353234
Fabbro, R. del
Electron-positron bremsstrahlung at ADONE. A new limit for the existence of a heavy electron. 361767
Faber, E.
Carbon isotopes in oil and gas exploration. Examples of applications. 376019
Faber, J. Jr.
Design study of a time of flight small-angle diffractometer for a pulsed neutron source. (CONF-771077 – 4) 379869
Faber, M.
The fission barrier of actinide nuclei at very high angular momentum. 356597
The influence of single-particle levels and interaction matrix elements on the pairing energy of rare-earth nuclei. 356596
Faberova, A.
Behaviour of ^{3}H-VUL 111 in rat organism. 373669
Faberova, V.
Incorporation of ^{14}C-leucin in proteins of the rabbit autonomous nervous system and the effect thereon of pharmaceuticals. 373654
Labelling of Candida albicans and its behaviour in the organism. 373696
Fabian, A.C.
γ-rays from γ Geminorum. 374895
Bursting X-ray sources: a theoretical framework for accretion models. 369143
Electron scattering in X ray-emitting galaxies. 353676
Model for bursting X-ray sources: time-dependent accretion by magnetic neutron stars and degenerate dwarfs. 364360
Nova Cygni 1975: wind and variations. 348991
On the spatial distribution of heavy elements in X-ray emitting clusters of galaxies. 356226
Fabian, D.J.
X-ray photoelectron studies of scandium and its hydride and oxide. 355983
Fabian, W.
Photonuclear sum rules and interaction effects in the deuteron. 369401
Fabic, S.
Computer codes in water reactor safety: problems in modeling of loss-of-coolant accident. 376510
Fabjan, C.W.
The cross section for the production of massive electron pairs and the UPSILON(9.5 GeV) in proton-proton collisions at the CERN ISR. 369367
Study of photons produced simultaneously with the J/psi particles at the CERN Intersecting Storage Rings. 377794
Transition radiation spectra from randomly spaced interfaces. 358361
Fabre, E.
Effect of organic additives of low ionization potential on the working conditions of self-sustained discharges in CO_2-N_2-He mixtures at the atmospheric pressure. 353234
Fabre, F.
Genetic evidence for inducibility of recombination competence in yeast. 362640
Fabrici, E.
Beam extraction studies for the proposed superconducting cyclotron at the University of Milan. 363128
Magnetic field calculations for the proposed superconducting cyclotron at the University of Milan. 363125
Model magnet for the proposed superconducting cyclotron at the University of Milan. 363126
Fabricius, K.
Solution of the statistical bootstrap with Bose statistics. 351155
Fabries, M.
Genetic effects of low and very low chronic doses of gamma-irradiation on the a_1^+/a_1 a_2^+/a_2 system of tobacco. 378995
Fabris, G.
Experimental two-phase liquid – metal magnetohydrodynamic generator program. Annual report, August 1975 – September 1976. (ANL/MHD – 77-3) 377673
Fabris, J.D.
Quadrupole interaction in the stabilized cubic phase of HfO_2. 350708
Fabritius, H.
Structure of steel 8 CrMoNiNb 9 10 and its variations in long-term thermal stress. 378618
Fabrizio, R.
New limits on D^0(1.865) production in proton-nucleus collisions at 400 GeV/c. 361882
Fabro, M.A.
Mounting and testing of a 'sandwich' type neutron spectrometer with semiconductor detectors and ^{6}Li. (INIS-mf – 4100) 366019
Fabry, A.
Absolute fission rates measurements in Mol-ΣΣ. (HEDL-TME – 75-130) 351347
Intercomparison of fundamental fission rates and ratios in the intermediate-energy standard neutron fields at the ITN-ΣΣ and Mol-ΣΣ facilities. (BLG – 512) 368001
Review of microscopic integral cross section data in fundamental reactor dosimetry benchmark neutron fields. (HEDL-SA – 1148(Rev.1)) 377990
Fabry, J.P.
Simulation of hypothetical core disruptive accidents in vessel models. (CONF-761001 – P3) 365544
Facchini, U.
A statistical analysis of gamma emission in actinide fission. 366973
Faccini-Turluer, M.L.
Λ and anti Λ production in K^+p interactions at 32 GeV/c. 372512
Faccini, M.L.
Inclusive production of charged pions in K^-p interactions at 32 GeV/c. 353960
Facer, P.
Specific localisation of neurotensin to the N cell in human intestine by radioimmunoassay and immunocytochemistry. 357704
Facer, R.I.
Thermal insulation. (UK patent document 1491204/A/) 368203

Facio, B. de
The vanishing norm of Faddeev-Popov ghost fields. 361275
Facius, R.
High precision localization methods for HZE-particles. 360251
Radiobiological investigations of cosmic HZE-particles with visual track detectors in the biostock experiment. 362699
Fackler, O.
Normalized small-y cross sections for neutrinos and antineutrinos at high energy. 359333
Rate of dimuon production from neutrinos and antineutrinos at high energy. 366880
Facorro, L.
Improvement of the diagnostic value of radionuclidic angiocardiography in babies by using rapid sequential scintigraphy and a new image display system ('Digiphot'). (INIS-mf – 4010) 362824
Volume curves of the left ventricle at rest and during excercise, determined with nuclear medicine methods. (INIS-mf – 4010) 362825
Faddeev, L.D.
In search of many-dimensional solitons. (JINR-D – 2-9788) 374560
Fadeev, I.G.
Using ferrosilicon production slags for reduction of open-hearth steel. 378570
Fadeev, V.N.
Phase equilibria in the Y-Zr-H system. 375829
Fadeev, Yu.S.
Effect of temperature on adhesion interaction of polycrystallic diamond and elboron contacting with metals. 365177
Fadeeva, V.I.
Extraction of scandium by aromatic carboxylic acids. 378124
Extraction of scandium salicylate by tetraethyldiamidoheptyl phosphate. 354338
On interaction of molybdenum(6) with resarson and 2,2',4'-trihydroxy-5-chlorazobenzene. 369552
Studying scandium extraction with some carbonic acid. (INIS-mf – 4192) 375289
Fadel, M.A.
A devised light absorption method for measuring fast neutron fluences and gamma doses in mixed radiation fields using a cellulose acetate detector. 363562
Fadilah, S.M.
Nuclear plant mix optimization using optimum control theory. 371226
Fadin, V.P.
On the quantum-statistical calculation of metal energy. 369980
Theoretical study of electron energy spectrum in metals and metallic alloys. 371591
Fadin, V.S.
Pomeranchuk singularity in non-abelian gauge theories. 369303
Processes involving fermion exchange in non-Abelian gauge theories. 376904
Fadyukov, E.M.
Chemical interaction in composite materials with magnesium and ML-8 alloy base reinforced with boron fibers. 365187
Faehl, R.J.
Collective ion acceleration in a traveling virtual cathode. 363302
Relativistic electron beam cyclotron wave growth in helical slow wave structures. (LA-UR – 77-2205) 374061
Swelling effects of electromagnetic waves near the critical density. 350833
Faehnle, M.
The influence of fast neutron irradiation on the critical current densities in Nb_3Sn. 2. 371593, 371594
Faeldt, G.
Binding corrections and the pion-deuteron scattering lengths. 366933
Faelthammar, C.
Problems related to macroscopic electric fields in the magnetosphere. 367424
Faelthammar, C.-G.
Generation mechanisms for magnetic-field-aligned electric fields in the magnetosphere. (TRITA-EPP – 77-21) 354705
Faenov, A.Y.
The analysis of satellites to the H-like ion resonance lines observed in the X-ray region. 356193
The observation of intercombination lines $1s3p\ ^3P_1 \rightarrow 1s^2\ ^1S_0$ of multicharged He-like ions in laser-produced plasmas. 358917
Faenov, A.Ya.
X-ray spectroscopy of multiply-charged ions from laser plasmas. 368921
Faeser, R.J.
Thermocompressor powered artificial heart assist system. 379396
Faessler, A.
Anomalies in the yrast band of Pt and Hg isotopes. (ZfK – 336) 364728
Backbending in the negative parity rotational bands in ^{156}Er. (ZfK – 336) 364712
Decoupled and strongly coupled particles system in odd-odd mass nuclei. 362025
Deformation energy surfaces at very high spin states. (ZfK – 336) 364713
Description of negative parity yrast states in ^{156}Er. 359436
Do we really understand the causes for backbending. (ZfK – 336) 364685
The fission barrier of actinide nuclei at very high angular momentum. 356597
The influence of a self-consistent model space on the folded diagram expansion of nuclear effective interactions. 372663
Influence of quadrupole pairing on back bending. 377944
Influence of quadrupole pairing on backbending. (ZfK – 336) 364686
Positive-parity states in Pt and Hg isotopes and the coriolis antipairing effect in the deformed-rotor model. 372690
Renormalized shell model matrix elements derived from nucleon-nucleon phase shifts. 375127
Spreading width of the giant quadrupole resonance in light nuclei. (ZfK – 336) 366929
Very high spin Strutinsky calculations with a Woods-Saxon potential. 354092
X-ray spectroscopic studies of the electronic structure of the oxyanions NO^-_2, NO^-_3, and CO^{2-}_3. (DESY-SR – 77/14) 353291
Faestermann, T.
Beta-delayed proton emission: a new series of precursors and the measurement of 10^{-16} s nuclear lifetimes. (AECL – 5560) 375180
Core-excited high-spin isomers in ^{212}Rn. 351371
Magnetic moments of N = 50 isotones and proton core polarization. 372761
Tsub(z) = 1/2 β-delayed proton precursors. I. 354232
Fagan, K.D.
Outage planning and management: a supplier-contractor's challenge. 358146
Fager, J.E.
Mobile nondestructive assay verification and measurement system. (BNWL-SA – 6113) 366193
Fagg, L.W.
Transitions in ^{27}Al excited by 180° electron scattering. 364768
Faggiani, R.
Mixed valence europium perovskites in the system Eu – Ta – O. 357359
Fagundes, H.
Derivation of Bazanski's Lagrangian in a Lorentz covariant theory of gravitation. 350500
On the spin interaction in the Lorentz covariant theory of gravitation. 350501
Fagundes, H.V.
Lorentz covariant theory of gravitation. (INIS-mf – 3425) 355756
Triangulation in Friedmann's cosmological model. (IFT – 256/77) 350502
Fagundes, L.M.F.
Measuring of differential cross section of the $^7Li(p,n)^7Be$ (4,53 MeV)*. 364757
Fahey, J.A.
Crystal structure of lanthanum oxysulfate. 357356
Fahlander, C.
The g-factors of the first 2^+ states in ^{50} ^{54}Cr, ^{54}Fe and ^{70}Ge. 362059
The reorientation precession technique, REPREC, applied to the measurement of $Q(2_1^+)$ in ^{102}Pd and ^{104}Pd. 356755
Fahrmeir, L.
On the Fokker-Planck solution for thermal noise in Josephson junctions. 353730
Fahrmer, J.
Higher operational safety of tube bundle heat exchangers due to modern production methods. 360802
Faibis, A.
A study of the break-up of fast OH^- ions passing through. (WIS-PH – 77/45) 364622
Study of the breakup of fast OH^- ions passing carbon foils and nitrogen gas. 363885
Faile, S.P.
Growth of uranium dioxide crystals using tellurium tetrachloride and argon. 378782
Failla, L.
A statistical analysis of low-radiation packages in the transport of radioactive material. 354987
Faiman, D.
Σ(1750) a hadron and its constituents. 369276
Fain, J.
Charged particles detection: the graft-and-dye method. 360083
Fainberg, J.
Interplanetary baseline observations of type III solar radio bursts. 366775
Interplanetary baseline observations of type 3 solar radio bursts. (N – 77-25043) 364425
Fair, M.F.
Education and vocational training. (ORNL – 5171) 368492
Fairbairn, A.
Safety aspects of a fuel reprocessing plant. 370546
Fairbairn, S.A.
Basic studies on the cooling of LWRs by in-core sprays. 376550
Fairbank, W.M.
Evidence of a large superfluid vortex in ^4He. 372337
High-sensitivity magnetic susceptometer employing superconducting technology. 367925
Fairchild, E.E. Jr.
The Segal chronogeometric redshift – a classical analysis. 353677
Fairchild, L.L.
Distribution of fission products in Peach Bottom HTGR fuel element E14-01. (ORNL/TM – 5730) 363474
Fission product behavior in the Peach Bottom HTGR. (CONF-770929 – 6) 368177
Fairchild, P.D.
In situ experiments related to waste repository design. (Y/OWI/TM – 25) 366089
Fairchild, R.C.
Improved ultrasonic nondestructive testing of pressure vessels. Annual progress report, August 1, 1975 – July 31, 1976. (NUREG – 0007-2) 365803

Fairlie, D.B.
Baecklund transformations and the construction of the Atiyah-Ward ansatze for self-dual SU(2) gauge fields. 376901
Fairman, W.D.
Ingestion of ^{241}Am sources intended for domestic smoke detectors: report of a case. 370410
Faisal, F.H.M.
Exact perturbation theory of multiphoton processes at high intensities. 368538
Faissler, W.
201-GeV/c proton-proton elastic scattering at large momentum transfer. 366888
Faissner, H.
Measurement of an effective quark mass from inclusive neutrino and antineutrino nucleon reactions. 353963
Measurement of muon-neutrino and -antineutrino scattering of electrons. 353961
Muonless π^0-production by muon-neutrinos and -antineutrinos. 353962
Proceedings of the international neutrino conference Aachen 1976. 353665, 353697, 353768, 353776, 353808, 353839, 353901, 353925, 353927, 353929, 353931, 353932, 353942, 353946, 353948, 353951, 353953, 353957, 353958, 353961, 353962, 353963, 353976, 353979, 353980, 353981, 353985, 353986, 353990, 353991, 353994, 353995, 353998, 354241, 364584, 364586, 364597, 375048, 375064, 375067, 375069
Proceedings ot the international neutrino conference Aachen 1976. 353950
Faivre-Bauman, Annie
Radio-receptor assay for thyrotropin releasing hormone. 354930
Fajeau, Maurice
Heat exchanger with immersed tubes. 355267
Process heat reactor. 355343
Fajer, S.A.
Contribution to estimation and the standardization of the maximum permissible in-take of iodine radioactive isotopes by human organism. (INIS-mf – 3913) 376211
Fajfman, M.P.
Calculation of the hydrogen μ-mesic molecule de-excitation rates. (JINR-R – 4-10635) 374634
Fajnberg, V.Ya.
Present state of axiomatic quantum nonpolynomial growth field theory. (JINR-D – 2-9788) 374590
Fajnberg, Ya.B.
Plasma induction linear accelerator as a source of power high-current ion beams. 376372
Fajnberg, Yu.A.
Comparison of experimental and calculated by the Born approximation excitation cross sections of Li^+, Be^{+2}; B^{+3} and C^4 ions in collisions with He and Ar atoms. (INIS-mf – 3915) 348739
On specific features in the capture cross section of an electron by excited helium-like ions. (INIS-mf – 3915) 371476
Fajndt, S.
Comparative studies of early radiation-induced pulmonary changes following X-ray therapy and telegammatherapy with Co-60 of mediastinol tumours. 357598
Fajngol'd, M.I.
On a possibility of experimental realization of an "electromagnetic tachyon" using supershort laser pulses. 368539
Fajzrachmanova, N.P.
Activation analysis of Dzhezkazgan rock mineral samples. 359544
Fajzullaev, B.A.
Superdiagram technique for gauge theories. 348597
Fak, V.G.
Study on ordering processes in vanadium monocarbide base alloys. 378761
X-ray investigation of lower vanadium carbide in alloys of V-C system after different heat treatments. 354581
Fakeeva, O.A.
New possibilities of yttrium, europium, samarium and gadolinium determination by luminescent method. (INIS-mf – 4192) 375229
Fakhouri, B.
A low energy implantation system for the fabrication of Mn-implanted ZnS electroluminescent films. 377235
Fakhrutdinov, R.M.
Drift chamber with multiwire signal element and long drift distance. 358349
Fakidov, I.G.
Hall effect in Mn_3B_4. 373245
Fakori-Monazah, M.R.
Measurement and analysis of flow wall shear stress in an interior subchannel of triangular array rods. (COO – 2245-49TR) 379756
Fal'chenko, V.M.
Laser radiation effect on the mobility of iron atoms. 359934
Fal'kov, A.I.
Diffusion layer effect on the strength of cast iron-steel 2Kh13 brazed joint. 362473
Falciani, R.
Comparison betwen some Hα and X-ray flares. 356227
Falco, C.M.
Observation of thermally induced potential in a superconductor. 359914
Power spectrum of radiation from a Josephson junction. 374011
Thermoelectric effect in a nonequilibrium superconductor. (CONF-770859 – 1) 372327
Falcone, G.
A theoretical calculation of the elastic stopping power for medium mass ions and atoms in the range 1-10 keV. (INIS-mf – 3996) 364094
Falcony, C.
Xerographic discharge of orthorhombic sulfur single crystals. (INIS-mf – 4127) 364006
Falecki, J.
Some aspects of the technology of producing selected ^{14}C labelled compounds. 375634
The synthesis of acetylacetone (1,3-$^{14}C_2$) with the use of vacuum manifold. 373013
Falenchuk, A.D.
Conductivity and impurity center parameters in compensated CdTe monocrystals. 369895
Specific features of photoconduction kinetics of CdTe γ-irradiated monocrystals. 348755
Faleschini, S.
Adducts of uranium tetrachloride with neutral Schiff bases. 357094
Falin, M.L.
Transferred hyperfine interaction of Yb^{3+} in $KMgF_3$. 371595
Falk, B.G.
Actinoid pnictides. 359722
Falk, I.
Release of corrosion products from cobalt containing structural materials. Pt. 1: 18Cr8Ni-steel. (AE – 517) 363371
Falk, J.
Redlight for yellowcake. 357471
Falk, L.
Effect of growth-rate modulation on the nonlinear mode coupling between stable and unstable plasma waves. 366492
Falk, R.
Nuclear weapons proliferation as a world order problem. 365726
Falk, S.W.
Are supernovae sources of presolar grains. 364319
Falkenberg, D.
Thermoelectric radionuclide generator. (German (F.R.) patent document 1804859/B/) 355098
Thermogenerator. 352357
Falkenberry, H.L.
Technologies for meeting future electric power needs. 358545
Falkenhain, G.
Hydrogasification of brown coal using process heat from high-temperature gas-cooled nuclear reactors. (GFERC/IC – 77/1) 379618
Pilot plant for hydrogasification of coal with nuclear heat. 379673
Falkowski, K.
EPR spectra of Mn^{2+} ions in CdY_2S_4 and CdY_2Se_4 of spinel structure. 378367
Influence of uniaxial stress on EPR spectrum in CdF_2:Eu^{2+}. 377294
Fall, S.M.
Survival and disruption of galactic substructure. 356228
Falla, D.F.
The fundamental interactions of matter. 356409
Fallais, C.
Diagnostic applications of ^{123}I as a routine thyroidal tracer. (INIS-mf – 4010) 370431
Preparation, quality control and absorbed-dose estimates of ^{123}I as sodium iodide. (INIS-mf – 4010) 357085
Fallas, P.
An instrument for routine measurements with X-ray therapy equipment operating between 10 and 250 kV. 376657
Fallavier, M.
Backscattering analysis of the thermal diffusion of gold layers into amorphous semiconductor thin films. 367101
Contribution of nuclear analysis techniques to the characterization of aluminium sheets and anodic oxidation barrier layers. (LYCEN – 7708) 369541
Fallick, A.E.
The pressure effect and peak broadening in gas source stable isotope mass spectrometry. 354289
Fallieros, S.
Nucleon form factors, Lorentz invariance, and nuclear photoabsorption. 359399
Fallon, R.D.
Production and fractionation of $^{14}CO_2$ labeled smooth cordgrass, Spartina alterniflora. 352097
Falomir, H.
Some comments about a static-localized solution for the massive Thirring model. 371371
Falomkin, I.V.
Elastic scattering of πsup(+-)mesons on ^3He in the energy interval (68/208(MeV). 361897
Elastic scattering of πsup(+-)mesons on ^4He in the energy interval (68/208)MeV. 369385
Hydrogen streamer chamber with localizing admixtures. (JINR-R – 13-9713) 368303
Localization of charged particle tracks in a self-shunting helium streamer chamber. 379868
New improvement in track localization in self-shunted helium streamer chamber. 355527
Phase shift analysis of the elastic scattering of pions on ^4He. (JINR-R – 4-10598) 375202
Faltens, A.
Applications of induction linac technology to heavy ion fusion. (LBL – 6453) 377400
Falter, H.
Negative ions produced from clusters for plasma heating. (INIS-mf – 3963) 371742
Faltin, L.
Experiments with stochastic cooling in the ISR. 363181
RF fields due to Schottky noise in a coasting particle beam. 355183
Slot-type pick-up and kicker for stochastic beam cooling. 379492

Faludi-Daniel, A.
X-ray microanalytical study of Mn and Fe compartmentation in maize chloroplasts. 349170
Fam Zui Khien
On a method taking into account fluctuations of radiation flux in activation analysis. 375261
Famiglietti, M.
Pressure bursts due to power channel explosion in a pressure tube reactor. 376551
Fan, C.Y.
The Low-Energy Charged Particle (LECP) experiment on the Voyager Spacecraft. 374927
Fanchenko, S.D.
New high-current relativistic electron beam accelerators at the I.V. Kurchatov Institute of Atomic Energy. (IAEA – 200) 364164
Fanchet, M.
Morphological study of pathologic left ventricules (aneurysms, non obstructive cardiomyopathies) from cardiac cavities scintigraphy. (INIS-mf – 4010) 362832
Fanchiotti, H.
Some comments about a static-localized solution for the massive Thirring model. 371371
Fanger, H.U.
Determination of protein in starch products by means of 14-MeV neutron activation analysis. (GKSS – 77/E/36) 364863
Fanger, U.
Determination of conveyor-flow parameters by gamma-ray transmission analysis. 376694
Faninger, G.
Application of a method for producing material capable of becoming superconducting with embedded superconductive particles. (German (F.R.) patent document 2511989/B/) 367212
Process for the manufacture of ductile superconducting materials. (German (F.R.) patent document 2557841/A/) 375761
Fanjoy, G.R.
CANDU fuel – fifteen years of power reactor experience. (AECL – 5711) 360936, 365961
Fanning, J.E. Jr.
Evidence for spur overlap in the pulse radiolysis of water. 359775
Fano, G.
Local harmonic approximation in quantum statistical mechanics. 363773
Fano, U.
Basic studies of atomic dynamics. Progress report, October 1, 1976 – September 30, 1977. (COO – 1674-138) 361440
Polarization of atoms by collision. 353288
Rotational excitation of polar molecules: delimiting the range of Born approximation. 358729
Systematics of zero-energy phase shifts for atomic ions. (ANL – 76-88(Pt.1)) 361396
Theory of ionization by electron collisions. (ANL – 76-88(Pt.1)) 361354
Fanti, C.
The Bologna survey of radio sources at 408 MHz. 366695
A search for radio emission from a sample of optically selected quasars. 366694
Fanti, R.
Luminosity functions for extra galactic radio sources. 366696
A search for radio emission from a sample of optically selected quasars. 366694
Fantola-Lazzarini, A.L.
On the radiation induced solid state isotopic exchange reactions between $^{60}Co^{2+}$ dopant ions and Co(III) atoms in cis-[$Coen_2(NO_2)CNS$][Co EDTA] $2H_20$. 375683
Fantoni, S.
Calculations on nuclear matter with state-dependent correlations and a semirealistic nucleon-nucleon potential. 354045
Fanwick, P.E.
Spectroscopic study of the $Tc_2Cl_8^{3-}$ ion. 362231
Farach, H.
EPR of the radical OCN^{2-}. 351907
Identification of F center in KCN. 350764
Faraggi, M.
Pulse radiolysis studies of electron transfer reaction in molecules of biological interest. Pt. 3. The reduction of Cu(II) complexes of histidine and histidyl peptides. (IA – 1338) 365345
Faraggiana, R.
The near ultraviolet spectrum of Fe III as a classification criterion. 369073
Faraguet, C.
Method and apparatus for measuring material thickness. 357885
Farahat, M.
Fuel dispersal experiments with simulant fluids. (CONF-761001 – P4) 362918
Faraj, B.A.
Measurement of 3-0-methyldopamine in urine and plasma by a rapid and specific radioimmunoassay. 373655
Farazdel, A.
Monte Carlo studies of positrons in matter. Method and application to annihilation spectra in helium gas. 350609
Farbman, G.H.
Use of a very-high-temperature nuclear reactor in the manufacture of synthetic fuels. 370956
Farbshtejn, I.I.
Pieso-Hall-effect in tellurium. 374733
Farcasiu, O.M.
Nondestructive burn-up verification of EK-10 fuel, by Ge(Li) gamma-ray spectrometry. 379406
Fardeau, J.C.
Application of residual sludge: effects on soil nitrogen and retention of Cd, Cr, Hg and Zn by ray grass. 357458
Farfaletti-Casali, F.
Improvements in or relating to nuclear fusion reactors. (UK patent document 1483054/A/) 350834
Farghaly, M.
Chemistry and toxicology of pesticide chemicals. 7. 373779
Farha, F.E.
Moessbauer investigation of a platinum – tin paraffin dehydrogenation catalyst. 378280
Farhadieh, R.
Flow regime of hydrodynamically unstable melting systems. 352222
Farhi, E.
Kinematical scaling violation at fixed energy. 364488
Faris, S.M.
Novel microfabrication process. 357908
Farkas, Z.D.
Microwave developments at SLAC. 363216
SLED program. (SLAC-TN – 77-1) 379493
Farkasch, G.
The working man's AGR. 376539
Farkhutdinov, K.G.
Circumferential nonuniformity of cladding radiation swelling of fast reactor peripheral fuel elements. 376444
Farley, W.E.
Dosimetry measurements external to a 10 kiloliter liquid-air vessel containing a D-T neutron source. (UCRL – 52334) 379387
Farmakes, R.
Nuclear power development and the fuel cycle. 359847, 359848, 359852, 359853, 359855, 359857, 359859, 359861, 360133, 360138, 360164, 360168, 360430, 360687, 360693, 360869, 360876, 360878, 360879, 360882, 360883, 360884, 361105, 361112, 361137, 361159, 361164, 361208, 361209, 361213, 365647, 365842, 365844, 365946
Farmelo, G.P.
Regge pole and cut behaviour at Fermilab energies. 353801
Farmer, A.A.
The nuclear fuel cycle. Pt. 4. 360874
Farmer, C.M.
A note on the exchange amplitude for elastic forward electron-hydrogen-atom scattering. 355902
Farmer, F.R.
Brief review of the approach to safety in the nuclear industry. 352223
The general philosophy of risk. 376202
Nuclear reactor safety. 373780, 373782, 373786, 373787, 373790, 373801, 373848
Safety considerations of nuclear-fuel reprocessing plants. 375741
Farmer, P.B.
Applications of deuterium labeling in studies of drug metabolism: metabolism of trideuteroaniline mustard. 351482
Farnell, G.C.
Speed-granularity relations for X-ray and γ-ray exposures. 375943
Farniok, C.
Inactivation of T_4-phages by heat and γ-irradiation treatment in respect to sludge hygienization. (SGAE – 2739) 373497
Farnsworth, A.V. Jr.
Neutron production from advanced RDB fusion targets. (SAND – 77-2017C) 364177
Farnsworth, D.A.
Response surface methodology applied to thermal-hydraulic margin analysis. 352238
Farquharson, D.C.
The behavior of potassium in the blast furnace deduced from isotope tracers. 367882
Farr, W.M.
Performance calculations of fast reactor actinide recycle as a waste management alternative. 352878
Farrar, G.R.
$E^+e^- \rightarrow \gamma$ + hadrons. 364494
Testing QCD. 364492
Widths of narrow mesons made from heavy quarks. 364493
Farrar, H. IV
Dosimetry needs for the Magnetic Fusion Materials Program. (CONF-771036 – 6) 377423
Farrar, J.M.
Crossed molecular beam study rotational excitation of HD(J = 0 → 1) in collisions with He. (LBL – 6214) 358737
Farrar, L.C.
Behavior of irradiated fuel rods during film boiling operation. 352281
Irradiation effects test Series Scoping Test 1: test results report. (TREE-NUREG – 1066) 374220
Irradiation Effects Test Series: Test IE-3. Test results report. (TREE-NUREG – 1106) 374212
Farrell, K.
Correlation of neutron and nickel-ion damage in pure nickel. 360116
Faulted loops in neutron-irradiated zirconium. 362538
Farrington, B.J.
Performance of an electromagnetic temperature sensor in liquid sodium. 355612
Fartushny, V.P.
Investigation of the capture system without change in injected electron energy. (JINR-R – 9-9139) 355185
Farvacque, J.L.
Induced acceptor levels and free-carrier mobility due to c^--screw dislocations in tellurium. 370155
Farwell, D.W.
The pure rotation Raman spectra of $^3H_2$ and SO_2 and the vibration-rotation Raman spectrum of $^3H_2$. 366326

Farzadegan, H.
Detection of hepatitis-B surface antigen in blood and blood products dried on filter paper. 379183
Farzine, K.
Levels of ^{104}Pd from the sup(104m,g)Ag decay. 375192
Faskhutdinov, Z.Sh.
High-stability plane top shaping in a excitation current pulse of the "SIRIUS" synchrotron electromagnet. 370753
Fasoli-Stella, P.
Finite element solution of transient fluid-structure problems in Lagrangian coordinates. (CONF-761001 – P3) 365542
Fasolo, J.
Neutral beam system for an ignition tokamak. (CONF-771029 – 177) 377401
Pellet fusion by high energy heavy ions. 363176
Fassbender, L.L.
TDHR-a Tokamak demonstraction hybrid reactor. 377377
Fasten, C.
Application of phantoms of the human body for solving radiation protection problems. (SAAS – 218) 349922
Fastie, W.G.
Ultraviolet spectrum of quasi-stellar object 3C273. 348987
Fastle, D.L.
Results of airblast and temperature measurements, Project Essex I, Phase 3. (SAND – 76-0531) 376340
Fateman, R.J.
Differential equation for Alfven ion cyclotron waves in finite-length plasma. (UCID – 17577) 364264
Fateyev, V.A.
Large order calculations in gauge theories. 361247
Fatkhutdinov, Kh.N.
Main principles of using complex nuclear geophysical methods. 365265
Nuclear geophysical testing of wells in quarries of Nikitovskoe mercury deposit. 354647
Fatkullin, O.Kh.
Impurities and low additions. 369935
Oxidation of the powder of nickel-chromium based alloy. 369816
Physical metallurgy. 369936
Fattah, A.
Nuclear power in developing countries. 366138
Performance analysis of nuclear power plants from operating experience data. 358128
Production and characterization of monocrystals of the cubic Laves phases Se-Al_2. (Juel – 1416) 354484
Fauchais, P.
Conditions of ignition of the power superposition between two plasma generators. 353571
Fauconnier, J.C.
Underground storage of heat. 376782
Faugeras, P.
Extraction from the CERN SPS. 363148
Faugeras, Pierre
Pipes for the transport of highly corrosive fluids at high temperature. 355447
Procedure for processing a mixture of air and rare gases and especially radioactive mixtures. 359599
Seals and procedure for fabricating said seals. 355139
Faugere, J.L.
Measurement of the diametral evolution of a fuel element during its irradiation. The MEDINA service. 360742
Faughnan, B.W.
Optical properties of mixed-oxide WO_3/MoO_3 electrochromic films. 367289
Faught, M.L.
An engineered maintenance approach to improved nuclear plant availability. 368259
Faul, H.
Upper limit for the presence of superheavy elements in monazite from Madagascar. 351392
Faulian, K.
Field ion microscopy of halogens on tungsten. 378619
Faulkner, J.E.
TFTR nuclear radiation analyses. (WFPS-TME – 022) 371837
Faulkner, J.R.
LAMPF Line D fast deflector system. (LA – 6748-MS) 374057
Faulkner, R.
LAMPF Line D fast deflector system. 363217
Faure, J.L.
Photoproduction of negative pions on D and ^{4}He in the $\Delta(1236)$ region. (LYCEN – 7702(pt.1)) 369460
Faurie, J.
Going back in time with zircon. 367356
Fauske, H.
Work-energy characterization for core-disruptive accidents. (CONF-761001 – P3) 365576
Fauske, H.K.
Analytical and experimental studies of transient fuel freezing. (CONF-761001 – P4) 362914
Assessment of accident energetics in LMFBR core-disruptive accidents. (CONF-770817 – 3) 367752
Assessment of fuel failure propagation in LMFBRs. (CONF-761001 – P3) 365546
In-pile experiments and test facilities proposed for fast reactor safety. (CONF-761001 – P2) 362940
Some aspects of mixing in large-mass, energetic fuel-coolant interactions. (CONF-761001 – P4) 362887
Vapor explosion experiments with simulant fluids. (CONF-761001 – P4) 362949
Faust, G.
Finite element calculation of prestressed-concrete reactor vessels. 376422
Faust, H.
Experimental studies of hexadecapole motion in spherical nuclei. 375090
Faust, L.G.
Guide to good practices at plutonium facilities. (BNWL – 2086) 362604
Favart, D.
Search for second-class current: the measurement of the β-γ directional correlation in the decay of ^{20}Na. 354253
Favier, B.
A complete experiment for p-p scattering at medium energies. 372584
Measurement of the parameters P, D, R and A for small angle p-p scattering at 390 MeV. 377785
Favorskaya, I.K.
Study on efficiency of plasma flow energy conversion into electric one on a pulse magnetogasdynamic facility. (INIS-mf – 3954) 361757
Favre, Alain
4-thiouridine and photoprotection in Escherichia coli K12. 354757
Favus, M.J.
Plasma thyroglobulin in detecting thyroid carcinoma after childhood head and neck irradiation. 360275
Salivary gland neoplasms as a late consequence of head and neck irradiation. 352054
Fawcett, P.
The identification and analysis of the products of the Cr(II)-Cr(III) reaction in the presence of trimetaphosphate using radiochemical techniques. 349162
Fawley, W.M.
Potential drops above pulsar polar caps: acceleration of nonneutral beams from the stellar surface. 364320
Fayers, F.J.
A review of some aspects of the validation of the RELAP-UK code for pressure tube reactor applications. 376552
Fayet, P.
Mixing between gravitational and weak interactions through the massive gravitino. 355757
Supersymmetry. 353802
Fayos, J.V.
Radiation necrosis of the scalp: a complication of cranial irradiation and methotrexate. 357595
Fazakas, A.B.
On the compatibility of Peierls insulator and antiferromagnetism in quasi-one-dimensional systems. 355972
Fazio, F.
Assessment of regional cerebral blood flow by continuous carotid infusion of krypton-81m. 373656
Imaging of pulmonary ventilation in asthma assessed with continuous inhalation of krypton-81m. 354931
Fazio, G.
Angular correlation in the $^7Li+{}^3He \rightarrow 2\alpha+d$ reaction at $E_3He=4.7$ MeV. 356733
Competition between ^{5}Li and ^{8}Be formation in the $^6Li(^3He, \alpha\alpha p)$ reaction at Esub(^{3}He)=2.5 MeV. 364736
Fazio, G.G.
Infrared and submillimeter astronomy. Volume 63. 377605
Fazly, Q.
X-ray analysis of thick targets with α-particles. 378092
Fazzolare, R.A.
Energy use management. Vol. I. 374190
Feagin, J.M.
Zero thickness cross sections for K X-rays and REC produced in collisions of Cl ions with thin Cu targets. 353370
Fearing, H.W.
Distorted-wave impulse-approximation (p,π) calculations: Effects of realistic wave functions and factors determining resonance position. 351277
Fearon, D.
Three-phase region of D_2-DT-T_2. (UCRL – 79036(Rev.1)) 360051
Feast, M.W.
J, H, K photometry in the globular cluster Omega Centauri and the spread of the giant branch. 356239
Feates, F.
Researching radioactive waste disposal. 374429
UK looks at geological and ocean disposal. 376764
Feather, N.
Rutherford Memorial Lecture, 1977. Some episodes of the α-particle story, 1903-1977. 350610
A search for fine structure of the time-of-flight spectrum of the fission neutrons of ^{252}Cf. 351418
Feautrier, N
A simple quantum theory of Stark broadening of hydrogen lines including short-range interactions. 358738
Feautrier, N.
Scattering of charged particles by OH at thermal energies in HI regions. 353375
Fechheimer, N.S.
Structural rearrangements of chromosomes in the domestic chicken: experimental production by X-irradiation of spermatozoa. 360278
Fechner, E.
A NMR-probe for ^{13}C-Fourier-spectroscopy using the spectrometer KRH 100 R of the 'Zentrum fuer wissenschaftlichen Geraetebau (ZWG)', Academy of Sciences – GDR. 366408
The time-sharing method in high resolutions NMR of fluids. 366407

Fecht, K.R.
Evaluation of scintillation probe profiles from 200 area crib monitoring wells. Volume I. (ARH-ST – 156(Vol.1)) 366090, 366092
Evlaluation of scintillation probe profiles from 200 area crib monitoring wells. Volume II. (ARH-ST – 156(Vol.2)) 366091
Generalized geology of the 241-SY Tank Farm. (ARH-LD – 139) 380066
Geology of the 241-C Tank Farm. (ARH-LD – 132) 380059
Geology of the 241-S Tank Farm. (ARH-LD – 133) 380060
Geology of the 241-SX Tank Farm. (ARH-LD – 134) 380061
Geology of the 241-T Tank Farm. (ARH-LD – 135) 380062
Geology of the 241-TX Tank Farm. (ARH-LD – 136) 380063
Geology of the 241-TY Tank Farm. (ARH-LD – 137) 380064
Geology of the 241-U Tank Farm. (ARH-LD – 138) 380065
Fed'ko, Yu.P.
Structure and friction properties of cermet and oxide explosion coatings. 370034
Fedail, S.S.
Radioimmunoassay of lactoferrin in pancreatic juice as a test for pancreatic diseases. 370470
Fedchenko, R.G.
Positron annihilation in nickel powders. 374694
Study on the nature of magnetic transformation in FeRh alloys by positron annihilation technique. 363992
Feder, H.M.
Solubilities of the noble gases in liquid sodium. (CONF-760503 – P2) 352726
Federgrun, L.
Determination of boron spectrophotometry in thorium sulfate. (IEA – 420) 354290
Fedevich, E.V.
Study of kinetic regularities of butene-1 oxidation on Te-Mo-O catalyst. 378394
Fedorchenko, V.D.
Interaction of a supercritical initial velocity beam with finite amplitude waves. 368915
Fedorchuk, N.M.
Electronographic study of carburization and oxidation of thin tungsten and molybdenum films. 349373
Fedorenko, O.A.
Investigation of deformed zones around microimprints on face (10 anti 10) of A^2B^6 monocrystals with wurtzite structure. 359600
Fedorenko, V.K.
Effect of coatings on refractory fibers strength. 369937
Fedorenko, V.N.
Electron gyrofrequency harmonics in solar radio radiation and their explanation through beam-plasma instability. 353678
Fedorets, I.D.
Study on excited states of ^{94}Nb in the ^{94}Zr (p,nγ)^{94}Nb reaction. 377991
Fedorets, V.N.
Effect of transverse drift of charge carriers on acoustoelectron interaction in piezoelectric-semiconductor laminated structure. 371609
Effect of transverse electron drift on absorption of surface acoustic waves in CdS. 377218
Fedorets, V.S.
Some characteristics of the inclusive process $\pi^- + p \rightarrow \pi^+ +$ all in the fragmentation range of the incident particle at 2.69 and 3.25 GeV/c. (ITEF – 20) 356476
Fedoriv, R.F.
Differential system of autostabilization of the gamma-spectrometer energy scale. 354644
Fedoroff, M.
Determination of carbon in metals by photon activation. 364864
Determination of silicon in metals by thermal neutron activation. 375344, 375345
Fedorov, A.A.
Infrared spectra of molybdenum(6) complexes with some oxyacids. 357013
Fedorov, B.V.
Charge accumulation and radical transformation during irradiation of phosphate glasses. 373389
Intensity of external electric field of irradiated phosphate glasses with various binding energy of Me-O. 370238
Fedorov, D.L.
Exciton spectra and band structure of Znsub(x)Cdsub(1-x)S mixed crystals. 348850
Luminescence of Znsub(x)Cdsub(1-x)S mixed crystals in conditions of resonance excitation. 371691
Fedorov, E.A.
High temperature spectroscopy of monocrystals of refractory oxides. (INIS-mf – 3955) 378304
Fedorov, Eh.M.
Calculation of heat mass exchange in gas-phase precipitation of zirconium carbide on inner surface of a round tube. 351548
Fedorov, G.B.
The effect of the cooling rate during quenching, electron bombardment and plastic deformation on the kinetics of a solid solution disintegration in iron-copper alloys. (KFTI – 74-47) 355980
Fedorov, L.I.
Thermonuclear power plant based on a pulse reactor with a cumulating liner and its competitiveness evaluation. (INIS-mf – 3954) 361555
Fedorov, M.B.
Excitation of input states of one-particle-collective type of low energies. (INIS-mf – 3897) 356598
Scattering of 2.9 MeV neutrons by silicon nuclei. (INIS-mf – 3897) 356567
Fedorov, M.K.
Integral functions of dissolution of sodium metaborate in water at temperature not over 300 deg. 351550
Fedorov, M.V.
Vibration-rotational spectra and excitation of molecules in the field of an intense resonance wave. 374613
Fedorov, N.F.
Hafnito-niobates of rare earths and cadmium. 378262
Phase equilibria in the $Cd_2Nb_2O_7$-$Yb_2Ti_2O_7$ system. 359601
Synthesis and crystal structure of $CdNd_4[SiO_4]_3O$. 359693
Synthesis and properties of $BaLn_2(MoO_4)_4$ double molybdates. 375452
Fedorov, S.G.
Process equipment for reprocessing of fast reactor fuel elements. (IAEA-AG – 63-20) 368212
Fedorov, S.V.
The potentialities of nuclear geophysical methods in ore testing of ferrous metals. 365287
Fedorov, V.A.
Calorimetric study of interaction between zinc and cadmium ions and sulfate ions in aqueous solutions. 364943
Investigation into formation of zinc and cadmium acetate complexes in solutions by solubility method. 362178
Fedorov, V.B.
Effect of medium on zirconium evaporation parameters. 349459
Influence of dispersivity on phase equilibria of crystalline materials. 365184
On the thermodynamics of the metal-carbon system. 367242
Postcritical-density stationary plasma on highly absorbant (metallic) targets in vacuum under TEA-CO_2 laser radiation. 366496
Fedorov, V.E.
Reaction of molybdenum chlorides with chalcogens. 375510
Fedorov, V.G.
Effect of multilayer welding conditions on the resistance of Kh15N5D2T and Kh16N4B-steels to cold crack initiation. 349460
Effect of preliminary thermal treatment of EhP-56 on resistivity to cold cracks formation in the joint heat affected zone. 351745
Effect of welding conditions on the cold cracking resistance of sheet martensitic aging steels. 369857
Fedorov, V.M.
KSANI complex system for automation of scientific researches. 358419
On primary cosmic radiation from analysis of muon spectrum on the sea level. 361745
1MV compact pulse transformer. (INIS-mf – 3954) 363218
Fedorov, V.N.
Increasing accuracy of fine structure measurement in an experiment on an atomic beam. 376622
Fedorov, V.V.
Hydrogen penetration through chromium-nickel alloys from nitrogen-hydrogen mixtures. 375841
Investigation into thermochemical fatigue of the heat resisting VM-1 and VKh-4 alloys by the ac electric conductivity method in hydrogen atmosphere. 375876
Fedorov, Yu.A.
Passive filter of the IFVE accelerator ring electromagnet. 370750
Fedorov, Yu.D.
Automated system based on the universal computer for experimental data collecting and processing. (NIIAR-P – 236) 358039
Fedorov, Yu.K.
Absolute quantum yield of luminescence of rare earth ions in glass. (INIS-mf – 3955) 362152
Fedorova, A.F.
Estimated neutron cross section at V = 2200 m/sec and resonance integrals of isotopes with Z = 57-71. (INIS-mf – 4043) 362060
The evaluated neutron cross sections and resonance integrals of fission products with Z = 57-62. (KIYI – 76-6) 356756, 375173
Fedorova, A.V.
Biochemical changes in blood caused by radioisotopes. 349795
Changes in the excretion of deoxycitidine from rats after administration of radionuclides and gamma irradiation. 376132
Late morphological and functional changes in thyroid gland following radioiodine damage and associated with external radiation. 367608
Fedorova, G.M.
Material for evaporators (crucible). (Soviet patent document 485175/A/) 349388
Fedorova, G.Ya.
Physicochemical investigations into compositions of the Y_2O_3-Lu_2O_3-Eu_2O_3-CaO-GeO_2-Fe_2O_3-PbO-B_2O_3. 369699
Physicochemical investigations into compositions of the Ysub(3-x)Bisub(x)Fesub(5-y)Gasub(y)O_{12}-PbO-B_2O_3-Bi_2O_3. 369698
Fedorova, I.P.
Copolymerization of N-acetylallylamine with monomethyl maleinate under the effect of Co^{60} γ-radiation. 351633
Fedorova, J.A.
Phosphorolysis and deoxyribosyltransferase reactions of thymidine and deoxyuridine in the organs of irradiated rats. 360266
Fedorova, M.K.
Machining effect on revealing the defects when testing tightness. 373156
Fedorova, N.I.
Large-scale longitudinal intrusion of auroral electrons. 376053
Fedorova, N.L.
Functional activity of dog's testes continuously γ-irradiated in the course of six years. 362665

Fedorova, T.A.
Effect of high- and low-polymeric DNA on DNA synthesis in some radiosensitive organs of irradiated animals. 370343
Fedorovich, G.P.
The ways of determining the effective thickness in complex anisotropic series of the Lower Sarmate. 357459
Fedorovskij, A.N.
Effect of heat treatment on the lifetime of charge carriers in cadmium telluride. 375830
Fedorovskij, L.L.
Effect of sephadex on the state of the intestine of irradiated rats. 370344
Fedoruk, T.Ya.
Applying acoustic waves for removing sulfate sediments on the heat exchange surfaces. (INIS-mf – 3914) 350196
Fedoryuk, M.V.
On the spectrum of electrons interacting with strong ion-sound turbulence. 374835
Fedoseev, D.A.
Concentration of radioiodine on iodidophosphonate of iron-silver. 359737
Coprecipitation of some radioelements with iron-potassium ferrocyanophosphates. 378470
On the rightful use of one-parameter correlations for description of diluent influence in amine extraction systems. 378488
Fedoseev, D.V.
Concerning carbon thin layers on boron nitride. 367290
Oxidation of the powder of nickel-chromium based alloy. 369816
Fedoseeva, N.V.
Weak ferromagnetism and magnetic structure of $TlMnCl_3$. 371596
Fedoseeva, O.P.
Semiconductor spectometer of current signal fronts. 358331
Fedoseeva, T.S.
Development of the process of radiation vulcanization of calendered rubber products using the "Electron-3" accelerator. (INIS-mf – 4194) 376284
Fedosejevs, R.
Self-steepening of the density profile of a CO_2-laser-produced plasma. 366534
Fedosov, A.P.
Method for preparation of nitrate and chloride solutions of zirconium. (Soviet patent document 460245/A/) 375405
Fedosov, N.I.
Radiation of an electron in an electric field. 1. 358655
Radiation of an electron in an electric field. 2. 348584
Fedosov, N.M.
The role of columnar crystals in scab formation during stainless steel ingot rolling. 349389
Fedosov, V.I.
High-frequent field effect and its manifestations in acoustoelectric phenomena. 374724
Fedotenkov, A.G.
Effectiveness of automyelotherapy of irradiated dogs depending on the number of transplanted cells. 376110
Fedotkin, A.S.
Ironless pulse betatron with magnetic cumulative generator feed. 350084
Fedotkin, I.M.
Effect of carbon dioxide injection on the scale formation process. 349969
Fedotkin, S.N.
Gamma quantum emission from heated nuclei with a large angular momentum. 375119
Fedotov, A.K.
Effect of purity and alloying with transition elements on superconductivity of vanadium, niobium or vanadium-niobium alloys. 351808
Fedotov, A.P.
On a possibility of using quadrupoles with permanent magnet in proton linear high-energy accelerators. 360729
Fedotov, L.N.
Niobium band texture. 349447
Fedotov, M.A.
Nuclear magnetic resonance of oxygen-17 in diamagnetic and paramagnetic heteropolyanions of molybdenum and tugsten. 351501
Fedotov, M.T.
"Aurora-2", "Aurora", "Electron-4" high-voltage accelerators. (INIS-mf – 4194) 376348
Operation experience of the industrial high-voltage "Electron" type accelerators and prospects for their modification. (INIS-mf – 4194) 376347
Fedotov, O.P.
Connection of the M-6000 computer with an image scanner. (ITEF – 64(1974)) 361088
Fedotov, P.I.
Some technical aspects of accounting for and control of nuclear material at nuclear fuel cycle facilities in the USSR. 371289
Fedotov, S.I.
Calculation of the symmetry of spherical target irradiation in multichannel laser systems. 374816
Excitation of collective states in spherical nuclei in high-energy proton interactions. 361975
Laser thermonuclear installation 'Delfin'. (INIS-mf – 3963) 371740
Power lasers for thermonuclear fusion. 350804
Fedotov, V.T.
Study on materials in cyclic temperature fields. (INIS-mf – 3954) 363374
Fedotov, Yu.V.
ENDOR on "forbidden" transitions. Ti^{3+}(Li) centers in quartz. 355965
On a new effect in electron-nuclear double resonance in distant nuclei. 348772
Fedotova, L.N.
Anion-exchange affinage of plutonium and neptunium during extraction reprocessing of WWER spent fuel elements. 359839
Fedotova, L.S.
Fatigue cracking rate in some high-alloyed martensitic stainless steels. 378673
Fedotovskij, V.S.
Study on associated masses and dumping factors during vibrations of cylinders in viscous liquids. (FEI – 585) 365692
Fedukov, Yu.D.
The role of single and multiple scatterings during passing of muon beams in a medium with a focusing magnetic field. 364632
Fedulina, L.V.
Electric prism. (Soviet patent document 441610/A/) 355608
Fedulov, M.V.
On propagation of burning in a wall-limited thermonuclear fuel with variable density. (INIS-mf – 3963) 353537
Fedulov, V.V.
Experimental investigation of digital algorithms for direct control of neutron flux on the IRT-2000 reactor. 376461
Fedulova, T.V.
Extraction of alkali-earth elements and magnezium by α-branched monocarboxylic acids. 357222
Investigation of rare earths extraction by branched monocarboxylic acids. 351530
Fedunin, V.P.
Polarized neutron intensive beam on a vertical reactor channel. 371063
Fedyakin, R.E.
Reactivity change rate during the BOR-60 reactor core life. 358403
Fedyakov, V.P.
Heating a dense theta-pinch plasma with strong fast-rising magnetic fields. 348894
Target systems of multichannel laser thermonuclear facilities. (INIS-mf – 3954) 361509
Fedyakova, V.P.
Heating a dense theta-pinch plasma with strong fast-rising magnetic fields. 348894
Investigation of dense plasma heating in linear theta-pinch with strong fast-rising magnetic field. (INIS-mf – 3963) 371770
Fedyanin, O.I.
Some characteristics of ohmic heating plasma in the L-2 stellarator. (INIS-mf – 3963) 371712
Fedyanin, V.K.
Diffraction of slow electrons by the periodic structure in the lattice gas model 3. (JINR-R – 17-9532) 368850, 377251, 377252
Fedyshin, Ya.I.
X-ray studies in dynamic characteristics of iron base alloys. 368767
Fedyushin, E.E.
Behaviour of construction materials in N_2O_4 medium under conditions of variable temperatures. 351663
Fee, D.C.
Cs – U – O phase diagram and its application to uranium – plutonium oxide fast reactor fuel pins. (ANL – 76-126) 370083
Fee, G.G.
Monthly highlights for Office of Nuclear Regulatory Research Programs at Oak Ridge National Laboratory, May 1977. (ORNL/NUREG/TM – 126) 352631, 365547
Feeley, J.J.
Hybrid computer simulation of the LOFT plant. (LTR – 10-2B) 379656
Feeney, R.K.
Excitation and ionization of ions by electron impact. Technical progress report, September 1, 1976 – May 31, 1977. (ORO – 3027-38) 361355
Feenstra, S.J.
Average multipolarities of quasi-continuum transitions measured with a mini-orange spectrometer. (INIS-mf – 3946) 349135
Nuclear spectroscopy. (INIS-mf – 4267) 378019
Fefelov, P.A
Hydrogen permeability of steels and alloys for vacuum chambers of thermonuclear facilities. (INIS-mf – 3954) 362407
Fefelov, P.A.
Design of a vacuum chamber for the T-10M facility. (INIS-mf – 3954) 361554
Fefelova, N.D.
Heat transfer while dip motion of water under supercritical pressure. 379430
Fefer, A.
Treatment of blastic transformation of chronic granulocytic leukemia by chemotherapy, total body irradiation and infusion of cryopreserved autologous marrow. 373563
Fefilova, S.G.
Semiautomatic system for measuring the magnetic field of an isochronous cyclotron. (JINR – 9-9545) 367963
Fegan, D.J.
Search for high energy γ-ray bursts from evaporation of primordial black holes. 374903
Feher, I.
Radiation preservation of biological tissues with special emphasis on immunological alterations. Part of a coordinated programme on radiosterilization of medical products and biological tissues. (IAEA-R – 1347-F) 379184
Study on internal contamination due to tellurium isotope mixture. 354838

Feibelman, P.J.
Photoionization of 4f electrons from rare-earth atoms at a surface. 358871
Feibelman, W.A.
On the highly directional expansion of laser-produced plasmas. 366528
Feierstein, J.N.
Immediate action of L-2,3,5,6-tetrahydrophenylimido (2,1b) azothiazol (levamisole) on the phagocytosis of inert radiocolloidal particles. 373585
Feige, Y.
Microdosimetry of ^{129}I in the human thyroid. 370646
Personnel monitoring in Israel during 1975. 355037
Feigenbaum, P.S.
Capture cross section measurements of Pr and Kr. (BNL-NCS – 22500) 356757
Feigt, I.
Image intensifier gamma camera with a position-sensitive silicon strip detector. 355521
Feik, K.
Locating fuel element canning defects in the reactor KS-150. 376553
Feil, M.
Munich heavy ion post accelerator. 363308
Fein, C.D.
Fossil manganese nodules from Timor: geochemical and radiochemical evidence for deep-sea origin. 373410
Feinberg, B.
Shock-tube study of fusion plasma-wall interactions. (COO – 2456-47) 361550
Feinberg, F.L.
Non-Abelian gauge fields and nonrelativistic bound states. 351156
Feinberg, G.
Handedness of atoms and parity non-conservation. 372408
Feine, U.
Quantitative whole-body bone scintigraphy for the diagnosis of systemic skeletal diseases. (INIS-mf – 4010) 357673
Feinendegen, L.E.
Behaviour of trace element concentration in human organs in dependence of age and environment. 375327
Changes in trace element concentrations in human serum after parenteral application of amino acids. 369525
Comparative studies of different labelled fatty acids for heart muscle metabolism. (INIS-mf – 4010) 360327
Determination of certain selected bulk and trace elements in the bovine liver matrix using neutron activation analysis. 375305
Distribution of trace element organs of mice of different inbred strains. 369571
Experiments on the influence of non-system parameters on the tracer dilution curve. (INIS-mf – 4010) 363096
Investigation of lymph drainage of the rabbit's orbita with different lymphotropic radioactive tracers. (INIS-mf – 4010) 370448
Model analysis of several methods used in nuclear medicine for the measurement of myocardial perfusion. (INIS-mf – 4010) 362838
A new radiocardiographical method for continuous measurement of heart volume changes during excercise. (INIS-mf – 4010) 362819
Optimization of cancer therapy : Part II – Effects of combining 2-deoxy-D-glucose treatment with gamma-irradiation on sarcoma-180. 367523
Radiocardiographical investigations on the influence of ethanol on the ejection fraction in healthy persons. (INIS-mf – 4010) 362836
Right and left-ventricular function before and after aorto-coronary bypass surgery. (INIS-mf – 4010) 362823
sup(99m)Tc and ^{131}I labelled human serum albumin millimicrospheres for investigation of the reticuloendothelial system. (INIS-mf – 4010) 367639
17-^{123}I-heptadecanoic acid for non-invasive investigation of myocardial metabolism. (INIS-mf – 4010) 357608
Feinroth, H.
Emerging role of FEA in nuclear energy expansion. 352540
Feinstein, R.L.
Isospin symmetry-breaking in compound and precompound nuclear reactions. 366934
Feist, J.H.
Compound nuclear contributions to the inelastic decay of analog resonances in the $^{90}Zr(p(pol),p')$ reaction. 356758
Vacuum requirements and neutral beam transfer in a neutral injection beam line. (IPP – 4/158) 356106
Feit, M.D.
Propagation of highly aberrated laser beams in nonquadratic plasma waveguides. 350835
Feitsma, P.D.
The thermopower of liquid sodium-caesium alloys. 373184
Feiveson, H.A.
Nuclear proliferation: motivations, capabilities, and strategies for control. 365728
Fejchuk, P.I.
Investigation into Ge behaviour in CdTe. 359986
Purification of tin labelled with ^{113}Sn from radioactive impurities of antimony. 359760
Fejgel'son, E.M.
On comparability of measured and calculated solar radiation fluxes and influxes in the atmosphere. 349672
Fejgin, L.A.
Automatic small angle X-ray diffractometer. (Soviet patent document 415560/A/) 355108
Fejgin, L.V.
Heat treatment of welded joints of the steel-12Kh1MF in Ac_1-Ac_3 temperature range. 362363
Fejnman, R.
What do we know about weak interactions. 364495
Fekel, F.C. Jr.
20 Leonis: a triple system with a delta Scuti variable. 361695
Fekeshgazi, I.V.
Effect of laser radiation polarization type on two-phonon light absorption in A^2B^6 semiconductors. 371632
Fekhretdinov, F.A.
Shock waves effect on zirconium dioxide. 349560
Fel', N.S.
Study of dynamic characteristics of conformation non-equilibrium states of hemoglobin and its complexes by the radiolysis method. 375684
Fel'dgandler, Eh.G.
Experience manufacturing and properties of the high-strength corrosion-resistant magnetic 03Kh12K12D2 steel. 375831
Fel'dman, F.S.
On peculiarities of using cathodes on tungsten-rhenium alloy base in vacuum luminescent low-voltage indicators. 349461
Felber, F.S.
Fast ions from laser plasmas: analytic solution and scaling laws. (NRL-MR – 3578) 371839
Rayleigh – Taylor instability in a layered laser-driven target. (NRL-MR – 3506) 366535
Some Rayleigh – Taylor stabilizing mechanisms in thin laser targets. (NRL-MR – 3574) 364194
Steady-ablation model of accelerating laser-target slabs. (NRL-MR – 3569) 371838
Steady-state model of a flat laser-driven target. 350836
Felcher, G.P.
Distribution of magnetic moment in Ni_3Al. 359915
Molecular beam diffraction of He and H_2: two different ways of probing the (001) face of NiO. 368752
Feldbush, T.L.
Radiation-induced alterations in murine lymphocyte homing patterns. I. Radiolabeling studies. 362625
Felden, M.A.
Excitation of the 2^1S and 2^8S states of helium atoms by electron and hydrogen atom impact. 355870
Felden, M.M.
Excitation of the 2^1S and 2^8S states of helium atoms by electron and hydrogen atom impact. 355870
Feldhaus, G.
Licensing procedures – targets and problems from the point of view of the state. 368459
Feldiak, G.
Study into mechanism of radiolysis of cyclopentane-cyclopentene mixtures. 369792
Feldman, C.
Spectroscopic element detector for gas chromatography. 378110
Feldman, D.L.
Multiphonon ionization: a method for characterizing molecular beams and beam reaction products. 371480
Feldman, E.M.
Experiment data report for Semiscale Mod-1 tests S-05-6 and S-05-7 (alternate ECC injection tests). (TREE-NUREG – 1055) 352224
Feldman, G.
A case for colour. 361794
Feldman, G.J.
D meson production and decay in e^+e^- annihilation at 4.03 and 4.41 GeV c.m. energy. 353989
e^+e^- annihilation into hadrons at SPEAR. (SLAC-PUB – 1624) 377800
Electron-muon and electron-hadron production in e^+e^- collisions. 366879
K^0 production in e^+e^- annihilation. 353983
Nonresonant multibody production by e^+e^- annihilation. (SLAC-PUB – 1745) 377801
Properties of the proposed tau charged lepton. 356517
Recent results in electron-positron annihilation above 2 GeV. 369370
A search for neutral heavy leptons. 356514
Spin analysis of charmed mesons produced in e^+e^- annihilation. 351228
Feldman, I.
Colloidal nature of radionuclides in seawater. 367397
Feldman, J.S.
Relativistic field equation of the lambdaphi$_3^4$ quantum field theory. 371372
Feldman, L.C.
Measurement of x-rays emitted from projectiles moving in solid targets. 371482
Properties of plasma oxidized GaAs films. 368754
Surface scattering of MeV He^+ ions from Si and W single crystals. 368775
Feldman, M.J.
Inverse ac Josephson effect voltage standard. 367920
Public awareness and the professional society. 370551
U.S. nonproliferation policy and the reactions of the technical community. (CONF-771055 – 1) 379454
Feldman, P.A.
The detection of radio emission from the new optical emission variable HM Sagittae. 359083
The spectrum of H1-36 (= 3U1746-37) at radio wavelengths. 349024
Feldman, U.
Expansion velocities of laser-produced plasmas determined from extreme ultraviolet spectral line profiles. 358940
Laser-matter interaction studies at NRL. 372038

On the highly directional expansion of laser-produced plasmas. 366528
XUV spectra of the 1973 June 15 solar flare observed from Skylab. II. Intersystem and forbidden transitions in transition zone and coronal ions. 351008
Feldman, W.C.
Noncompressive density enhancements in the solar wind. 369087
Feldmann, A.
Benefits and risks of nuclear power. (Juel-Conf – 17(3.rev.ed.)) 360420
Feldmann, W.
Fuel element fabrication and quality control. 376557
Feldmeier, H.
Study of the electric monopole transitions between the ground state and the first excited 0^+ state in ^{40} ^{42} ^{44} ^{48}Ca with high resolution inelastic electron scattering. 377998
Feldmeier, H.T.
Time-dependent Hartree – Fock theory in a two-dimensional rotating frame. (ORNL/TM – 6053) 363774
Felice, P.E.
Locating underground uranium deposits. (US patent document 4,053,772/A/) 373398
Felicette, S.A.
Comparison of in vivo and in vitro lavage of Syrian hamsters for removal of inhaled ^{137}Cs in fused aluminosilicate particles. (LF – 56) 362723
Felicetti, F.
Description and performance of MEA, the magnetic detector at ADONE. 379480
Multihadron production e^+e^- annihilation at 1.6 c.m. energy. 364575
Felicetti, S.A.
Removal of inhaled ^{241}Am oxide of various particle sizes from beagle dogs by lung lavage and chelation treatment. (LF – 56) 362747
Removal of inhaled radioactive particles by lung lavage. 354862
Spatial and temporal distribution of PuO_2 aerosol particles deposited in the lung of a rodent via inhalation. II. (LF – 56) 365418
Felicki, J.
The chosen problems of nuclear power development in Poland. 374462
Felix, R.
Functional scintigraphy of left ventricle contractions. (INIS-mf – 4010) 367690
Regional myocardial perfusion and contractability in ischaemic regions. (INIS-mf – 4010) 362818
Felkel, L.
ALSAN – A system for disturbance analysis by process computers. (KFK-PDV – 93) 370850
Fell, K.
The integrated pulse velocity method applied to the calibration of flowmeters in high-pressure natural gas systems. 352362
Feller, J.
A search for neutral heavy leptons. 356514
Feller, J.M.
Electron-muon and electron-hadron production in e^+e^- collisions. 366879
Feller, K.G.
Applicability of the Reactor Safety Study (WASH-1400) to LMFBR risk assessments. (CONF-761001 – P2) 362909
Model for evaluating probabilities of primary system retention of core debris and time of release in LMFBR risk assessments. (CONF-761001 – P4) 362921
Feller, P.A.
Personnel exposure from an unshielded pulmonary ventilation system. 365630
Fellows, R.L.
First preparation of an einsteinium(II) compound, $EsCl_2$. (ORO – 4447-061) 373014
Self-luminescence of several fluorite-structure halides doped with curium or berkelium. 371597
Fells, I.
Communication on energy. 366131
The energy future of West Germany. 366132
Felmlee, J.K.
Radioactive springs geochemical data related to uranium exploration. 375967
Felmus, N.L.
BWR operating experience and outage services. 370877
Felner, I.
Electron spin resonance of $LaBe_{13}$:Er:evidence for Er spin-spin exchange broadening. 363997
Felps, W.S.
Molecular Rydberg states. VII. Water. 350471
Molecular Rydberg states. XI. Quantum defect analogies between molecules and rare gases. 366240
Felsch, W.
Magnetic susceptibility of the spin glass (La, Gd)B_6. 362401
Felser, B.
Small-angle X-ray-scattering investigation and structural-model study of the fatty-acid synthetase from pig liver. 376060
Felst, R.
Evidence for the F meson. 353947
Measurements of tau decay modes and a precise determination of the mass. 372505
On the origin of inclusive electron events in e^+e^- annihilation between 3.6 and 5.2 GeV. 353772
On the semileptonic decay of charmed hadrons. 356496, 364566
Felt, J.
Containment for nuclear power and heat plants. (INIS-mf – 4055) 367753
Felten, J.E.
Physics and astronomy of celestial x-ray sources. 372163
Feltes, W.
KNK-II design with regard to neutron physics and thermohydraulics. 370806
The layout of the KNK-II reactor core. 376570
Nuclear start-up of KNK-II. 371047, 371048
Three-dimensional problems in the design of gas-cooled HTR cores with regard to thermo- and fluid dynamics. 370961
Feltin, D.
A cryogenic neutron polarization filter. 361084
Felvinci, J.
Neutron spectroscopy. Progress report, 1 October 1976 – 30 September 1977. (COO – 2176-45) 378003
Felvinci, J.P.
Fission fragment measurements: double energy measurements. (BNL-NCS – 22500) 356830
Fender, B.E.F.
Crystal fields in Pr-hydrides. 378771
Fendler, H.
Activities of the TUV experts during the period of construction and commissioning of a nuclear power plant ordered by the licensing authorities of the FRG. (INIS-mf – 4062) 361177
Fendler, H.G.
Expert opinions on the plant. 376564
Feneberg, W.
Influence of a resonant helical octopole field on the Pulsator tokamak plasma. (INIS-mf – 3963) 371910
The use of external helical windings for the production of a screening layer in ASDEX and a tokamak with material limiter. (INIS-mf – 3963) 371840
Feng, D.H.
Two-body surface correlations in ^{18}O. 354070
Fenimore, E.E.
Class of near-perfect coded apertures. (LA-UR – 77-2369) 374304
Fenkart, R.P.
RGU three-colour-photometry towards the north galactic pole: halo-to-disk mass ratio. 369074
Fenker, H.
Σ^- production and decay properties in $K^-p \rightarrow \Sigma^-\pi^+$. 377807
Fennell, J.F.
Signatures of electric fields from high and low altitude particle distributions. 360203
Fennelly, A.J.
Anisotropy in the Hubble parameter and large-scale cosmological inhomogeneity. 356229
Expanding shearfree spatially homogeneous universes with a nonsynchronous time coordinate and anisotropy of the universe. 368540
Fensom, D.S.
Translocation of ^{11}C from leaves of Helianthus: preliminary results. 360388
Fenster, S.
Pellet fusion by high energy heavy ions. 363176
Fenzl, H.J.
Analysis of the perfection of large metal crystals by means of γ diffractometry. 366409
Investigation of the precipitation morphology in the $\alpha+\alpha'$ two-phase region of the niobium – hydrogen system by γ-ray diffraction. 362402
Feofilov, G.A.
Scattering of α particles with the energy of 24 MeV on ^{10}B and ^{11}B nuclei. 349133
Scattering of 23,7 MeV alpha particles on sup(14)N and sup(16)O nuclei. 377992
Study on angular distribution of decay products of ^{8}Be ground state. 349141
Feofilov, P.P.
Spectroscopic properties of monocrystals of rare earth-aluminium garnets and rare earth ortho-aluminates activated by Ho^{3+}, Er^{3+} and Tu^{3+} ions. (INIS-mf – 3955) 378291
Spontaneous and stimulated radiation of monocrystals of yttrium and rare earth oxyortho-silicates activated by golmium. (INIS-mf – 3955) 377249
Feoktistov, A.I.
New on the ^{182}Ta decay. 378020
On the ^{194}Au gamma spectrum. 375209
Feoktistov, V.A.
On the fall in the breakdown electric potential of gas in the field of stationary ionizing radiation. 350385
Feoktistov, Yu.F.
Behaviour of transistors during successive irradiation with different energy electrons, electrons and protons. 358456
Feoktistov, Yu.V.
Computer-selected optimization of activation analysis methods. 364851
Development of rapid high-efficiency photoactivation method for determination of gold in ore powder samples. 354646
Feoktistova, T.P.
Influence of cysteamine on x-ray induction of mutations on resistance to 8-azaguanine in chinese hamster cells in vitro. 349699
Protective action of DNA preparations on the survival of cells and yield of 8-azaguanine resistant mutations in X-irradiated cell culture of chinese hamsters. 370319
Ferapontov, N.B.
Laser-stimulated chemical reactions and isotope separation. 363071

Ferauge, M.T.
Interest of radioactive tracers in fruit cultivation research. 379157
Ferbel, T.
Inclusive charged-particle production in neutron-nucleus collisions. (COO – 2289-171) 361968
Transverse-momentum properties of multipion systems produced in high-energy collisions. 359345
Ferber, A.
Supertwistors and conformal supersymmetry. 376905
Unified superconformal gauge theories. 353064
Ferber, G.
Preliminary results from sulfur hexafluoride and deuterated methane releases of December 10, 1975. (DP – 1455) 367429
Ferberg, B.A.
Formation of secondary electrons from intruding electron beams and their radioactive emission in auroral ionosphere. (INIS-mf – 3915) 349674
Ferdinande, H.
Fine structure in the $^{208}Pb(\gamma,n)$ cross section. 375210
Photoneutron cross sections in ^{7}Li. 356759
Ferdman, N.A.
Photon repetitions in luminescence spectra of impurity semiconductor. 364007
Ferents, P.R.
On the theorem of equivalence boson fields. 361263
Ferentsi, F.
KORAN spectrometer on the IBR-30 reactor. (JINR – 14-9486) 355530
Feresin, A.P.
Tables of single-particle matrix elements of electrical quadrupolar gamma transitions in deformed nuclei. 377863
Feretic, D.
Experience with the construction of Yugoslavia's first nuclear power plant. 360914
Ferguson, D.J.
Prognostic classification of Hodgkin disease in pathologic stage III, based on anatomic considerations. 352047
Selection of chemotherapy for metastatic mammary cancer by effect on ^{131}Cs uptake. 373599
Ferguson, D.R.
Analysis of core disruptive accidents in carbide-fueled LMFBRs. 379286
Assessment of transport effects in LMFBR safety neutronics. (CONF-761001 – P2) 365528
Large-scale deterministic computer code systems and LMFBR safety: a perspective. (CONF-761001 – P3) 365623
Optimized iteration strategies and data management considerations for fast reactor finite difference diffusion theory codes. 374114
Safety issues for advanced-fueled LMFBRs. (CONF-761001 – P3) 365597
SAS4A LMFBR accident analysis code system: a progress report. (CONF-761001 – P3) 365548
Ferguson, I.F.
The characterisation of graphite powders tested for use in HTR fuel compact matrices. (TRG-Report – 2986(S)) 354537
FIST – a suite of X-ray powder crystallography programs for use with a HP-65 calculator. (ND-R – 17(S)) 364008
Scanning electron microscopy – application and techniques. (TRG-Report – 2989(S)) 354482
Ferguson, J.R.
Filament power regulator for thermal ionization mass spectrometry. (Y – 2091) 363622
Ferguson, R.B.
Field manual for stream water and sediment reconnaissance. (DPST – 77-363) 378838
Savannah River Laboratory hydrogeochemical and stream sediment reconnaissance. Raw data release V; studies in the Spruce Pine, Moore, and Johnston, North Carolina, areas. National Uranium Resource Evaluation Program. (DPST – 77-141-1) 378839, 378856
Ferguson, R.L.
Mass asymmetry and total-kinetic-energy release in the spontaneous fission of ^{262}[105]. 369464
Ferguson, R.N.
Consultant's guide to ASME nuclear certification. 352531
Ferlitsch, A.
Regional lung function measured with ^{133}Xe in patients with provoked bronchial spasms. (INIS-mf – 4010) 370471
Fermi, F.
Ionic thermoconductivity in CdF_2 doped with trivalent europium. (INIS-mf – 4127) 363974
Light induced ionic polarization in Pb doped alkali halides. (INIS-mf – 4127) 363973
Fermino, S.
Competition between ^{5}Li and ^{8}Be formation in the $^{6}Li(^{3}He, \alpha\alpha p)$ reaction at Esub(^{3}He)=2.5 MeV. 364736
Fernandes, L.
Effect of crystalline condition on the radiolysis of solid succinic acid. (IEA – 448) 351648
Selective hydrogen atom abstraction by hydrogen atoms in photolysis of cyclohexane-normal pentane mixtures at 77 K. (IEA – 473) 351998
Fernandes, M.A.G.
Neutron pick-up reactions on sup(122,124,126)Te. 351348
Fernandes, M.P.
Experimental determination of heat transfer critical conditions in water forced convection at low pressure in a circular channel. (INIS-mf – 3424) 358179
Fernandes, N.C.
A relativistic model for the solid core of a neutron star. 359063
Fernandez-Pacheco, A.
Bound-state spectroscopy of superheavy quarks. 372409
Fernandez Valverde, S.M.
Szilard-Chalmers effect and isotopic exchange reactions in a mixed valency compound $Tl_3(I)$ $(Tl(III)Cl_6)$. (CRN-CNPA – 77-8) 354396
Fernandez, B.
Researches with the tandem and the synchrotron. Chapter 1. (CEA-N – 1959) 354137
Fernandez, J.
Comparative study of the inhibition produced by CMU (3-p-chlorophenyl-1,1-dimethyl-urea) in barley leaves, on the photophosphorilation, photocarboxilation and hill reaction. (JEN – 382) 367668
Fernandez, M.
Radioprotection of DNA molecule by oxido-reduction's coenzymes. 376054
Fernandez, R.
Conceptual studies of toroidal field magnets for the tokamak experimental power reactor. Final report. (ORO – 5153-1) 361508
Fernando, Q.
Improved instrumentation and techniques for non-invasive detection, characterization and quantification of atherosclerosis for research and diagnostic purposes. Annual report, 23 Jun 1975 – 22 Mar 1976. (PB – 268227) 365472
Fernow, R.C.
High-P/sub transverse/^{2} p-p elastic scattering in pure initial spin states. 359343
Radiation damage in polarized target materials. 378798
Spin-spin interactions in high-transverse momentum elastic p-p scattering. 359344
Ferramola, G.
Nuclear imaging system. 358353
Ferrando, R.
Scintigraphy of the cerebrospinal fluid. 354967
Ferrara, S.
Classical solutions in two-dimensional supersymmetric field theories. 366261
Supersymmetry (Fermi-Bose symmetry) a new invariance of quantum field theory. 366264
Supersymmetry. 353802
Unified field theories with U(N) internal symmetries: gauging the superconformal group. 355758
Ferrari-Toniolo, M.
The energy distribution and the recent light history of X Persei. 359147
Ferrari, A.
Hydrodynamic instabilities in nematic crystals by ultrasounds. 356054
Relativistic parametric instabilities in extended extragalactic radio sources. 374904
Utilization of plutonium. 368415
Ferrari, E.
Pion exchange in inclusive neutron production at very high energies. 356410
Ferrari, G.
Method of refueling a gas-cooled high-temperature reactor. (German (F.R.) patent document 1764277/B/) 355424
Process for fuelling a gas cooled high temperature nuclear reactor. (German (F.R.) patent document 1764277/C/) 368169
Ferrari, L.A.
Absorption of high frequency electromagnetic waves in a magnetoplasma. 350837
Ferrari, M.
Scintigraphy of the cerebrospinal fluid. 354967
Ferrari, S.
Nuclear imaging system. 358353
Ferrario, B.
New types of volume gettering panels for vacuum problems in plasma machines. 368942
Ferraro, J.R.
Normal coordinate analyses of the neutral CO_3 and SO_4 molecules. 350639
Ferraz, A.C.
Kohn and Sham problem in atoms. 363886
Ferraz, E.S.B.
Localization of underground pipelines with a ^{137}Cs source. 352365
Ferrebee, J.W.
Allotransplantation of the lung without immunosuppression after transplantation. II. Combined autotransplantation of bone marrow and allotransplantation of lung. 367484
Ferreira, E.M.
Scattering of pions by deuterons at low and medium energies. (PUC-TN – 14/77) 350503
Ferreira, G.F.L.
SCL current injection in a deep fast trapping dielectric. (INIS-mf – 4127) 364084
Ferreira, J.R.F.
Quadrupole interaction in the stabilized cubic phase of HfO_2. 350708
Ferreira, L.F.A.
Dissociation of energy selected ions by threshold photoelectron-photoion coincidence. 355881, 377028
Ferreira, L.G.
Molecular subclusters theory. 363934
Ferreira, M.M.
Polycrystalline dosimetric discs of natural CaF_2. (IEA – 474) 352822
Ferreira, P.L.
On a model for baryons based on a Dirac equation with confining potentials. (IFT – 254/77) 363775

Ferreira, R.
Hydrogen molecule ion in strong magnetic field. 364382
Occupation number dependence of molecular energy levels. (CBPF - A0032/77) 363892
Ferrer, A.
Impact parameter analysis of the reaction $\pi^-p \rightarrow p\pi^+\pi^-\pi^-$ at 9 and 12 GeV/c with very fast secondary proton. 356510
Ferrer, J.
Migma IV high energy fusion apparatus. 363220
Ferrer, S.
Auger line shape analysis of temperature dependent evolution of nitrogen-implanted (110) copper. 353419
Ferri, S.
Histochemical (polysaccharides, proteins, nucleic acids and enzymes) and autoradiographic (incorporation of ^{35}S labelled sodium sulfate) study of the epithelial intestinal cells of Xenodon merremii Wagler, 1824 (Ophidia). 349779
Ferrigno, D.P.
Nuclear plant modification feasibility for radwaste volume reduction equipment. 357767
Ferrin, I.
Azimuthal brightness variation of Saturn's ring-A and size of particles. 372164
Ferrin, I.R.
On the CN(0,0) spectrum of Comet Mrkos 1957d. 372165
Ferriol, J.
Stainless steel thick plates for light-water reactors. 355404
Ferris, A.C.
Effect of immunosuppression on the development of radiation-induced pulmonary disease in Syrian hamsters. (LF - 56) 362715
Ferris, D.E.
Hydraulic system for nuclear reactors with hydraulically driven control rods. 358096
Ferro-Luzzi, M.
Anti pp and pp forward elastic scattering between 4 and 10 GeV/c. 356513
Ferro, R.
Advances on thermochemistry of rare earths alloys. 357252
Binary alloys of rare earths: phase equilibria of cerium - indium and neodymium - indium. 362394
Heats of formation of dysprosium-bismuth alloys. 354499
Heats of formation of neodymium-antimony alloys. 354498
Some notes on the crystal chemistry of rare earths ternary intermetallic compounds. 362430
Ferron, G.A.
Deposition of polydisperse aerosols in two glass models representing the upper human airways. 365467
Fert, A.
Resistivity $DyNi_3$ and $HoNi_3$ amorphous alloys. 365133
Fertig, W.A.
Coexistence of superconductivity and long-range antiferromagnetic order in the compound $Ersub(x)Mo_6Se_8$. 357305
Fesefeldt, H.
Diffraction dissociation in the reaction $pp \rightarrow pAK^+$ at 12 and 24 GeV/c. 353969
Investigation of diffraction dissociation in single pion production reactions in nucleon-nucleon collisions at 12 GeV/c. (BONN-HE - 75-1) 366881
Fesenko, L.M.
The distribution of galaxies in the jagellonian field. 374905
Fesenko, V.V.
Thermodynamic functions of gaseous rare earth monoselenides of yttrium subgroup. 375850
Feshbach, H.
Fragmentation of relativistic heavy ions. 369277
Feshchenko, N.G.
Paraarylenebisdiiodophosphines. 359640
Fesq, H.W.
The NIMROC samples as reference materials for neutron activation analysis. 372852
Fessenden, R.W.
Chemically induced electron polarization of radiolytically produced radicals, ch.7. 351634
Studies of the reactions of hydrogen atoms by time-resolved E.S.R. spectroscopy. 357147
Fessenden, T.
Stable propagation of a high-current electron beam: experimental observations and computational modeling. (UCID - 17516) 366507
Feteris, P.J.
1964 Project Springfield studies. Research Report 2. (COO - 1199-7) 365323
Fetisov, N.I.
Measurement of prompt neutron spectrum in spontaneous fission of ^{252}Cf. (INIS-mf - 3896) 356810
Neutron spectra of ^{252}Cf spontaneous fission in the energy range from 0,5 to 7 MeV. (FEI - 575) 349143
Fetisov, V.S.
Hydrogenation and embrittlement of low-alloy steel under neutron irradiation in contact with water. 370125
Fetisov, V.V.
A study of recording possibilities of emulsions in autoradiography conditions. 368276
Fetscher, W.
Measurements on light antiprotonic atoms. 376976
Pion absorption by ^3He. 377963
Study on antiprotonic atoms of light nuclei and isotopes. 371523
Fett, E.
Measurement of the branching ratios of multi-pion final states in anti pp annihilation at 1.6 GeV/c. 366884
Feu Alvim, Carlos
Odd-even proton effect in the distribution of fission products at low and medium energy. (CEA-R - 4862) 359480
Feuer, L.
Some problems concenrning the use of automated radiochemical separation systems in destructive neutron activation analysis. 356970
Feuerbacher, B.
Infrared vibration spectroscopy of molecular adsorbates on tungsten using reflection inelastic electron scattering. 362371
Feuerstein, H.
Behaviour of fission products in sodium loops. 370821
Cold trapping of fission products in a stainless steel sodium loop. 359749
Fission products deposition in a stainless steel sodium system. (IWGFR - 7) 360996
Release of H_2O from deuterated ion exchange resins. 364944
Fevrier, A.
Effect of the nature and structure of the matrix on losses in high current Nb-Ti multifilamentary composites. 359916
Protection of the pulsed superconducting dipole ALEC. 360632
Fewell, M.P.
Energy calibration of the A.N.U. 14UD Pelletron accelerator. 370771
The quadrupole moment of the first 3^- state in ^{208}Pb. (ANU-P - 667) 349140
The static quadrupole moment of the first excited state of ^{198}Hg. (ANU-P - 695) 362057, 372747
Feynman, J.
Type II emission mechanism. 366686
Feynman, R.P.
Correlations among particles and jets produced with large transverse momenta. 356411
Fiala, J.
WWER type reactors used as multipurpose nuclear power sources. (INIS-mf - 4055) 368137
Fialkov, Yu.A.
On interaction of α,β-dibromo-derivatives of 1,2-diphenyl ethane and stilbene with potassium and cesium fluorides. 369649
Fialkovskaya, O.V.
Absorption and luminescence of CdS crystals activated by Nd ions. (INIS-mf - 3955) 377189
Biexcitonic states in methane iodide. 361441
Fiander, D.C.
Modulated fast bump for the CPS continuous transfer. 363221
Fiarman, S.
Monte Carlo calculations of cadmium cutoff energies and an ansatz formula. 352794
Fich, O.
Channeling of protons, pions and deuterons in the GeV region. 353418
Channelling effects for 15 GeV/c negative pions. 377798
Fichardt, T.
Ionizing radiation and cancer. 365490
Fichtel, C.E.
Relationship between the galactic matter distribution, cosmic-ray dynamics, and gamma-ray production. 359112
Fichtner, N.
States and tendencies of German standards in the field of nuclear filter technology. 360501
Fickett, F.R.
Structural materials for cryogenic applications. 359917
Fico, S.S.
Use of indicating material for direct indication of neutrons distributed photographically. (German (F.R.) patent document 2343786/C/) 368331
Ficocelli Varracchio, E.
Optical potential calculation of e^--H_2 rotational excitation. 358739
Fidecaro, G.
Reconstruction of the momentum of a particle moving in an axially symmetric magnetic field. 358344
Fidecaro, M.
Reconstruction of the momentum of a particle moving in an axially symmetric magnetic field. 358344
Fidel'skaya, R.P.
Calculation of intense charged particle beam characteristics by means of a continuous model program. (NIIEFA-D - 0208) 355195
Fidelski, R.
Effect of ionizing radiation on some properties of rabbit polymorphonuclear granulocytes. 373550
Fidler, A.
Conductivity study of association of potassium lanthanum hexacyanoferrate(II) and hexacyanoruthenate(II) in aqueous solutions. 354397
Fidleris, V.
Irradiation creep in Zr single crystals. 360108
Fidone, I.
Ions and electrons thermal effects on the fast-slow mode conversion process in a three components plasma. (EUR-CEA-FC - 905) 353546
Wave absorption near the electron cyclotron frequency. (EUR-CEA-FC - 912) 358941
Fidorra, J.
Radiosensitivity and recovery of mouse L cells during the cell cycle. 376059
Fiebig, R.
Thermohydraulic feedbacks in self-pressurized reactor systems. 365884

Fiedeldey, H.
The unitarity pole approximation for the binding energy of ^{4}He. 372669
Fiedler, G.
Further developments with glass detectors for heavy ions and fission fragments. 368287
Fieffe-Prevost, P.
Energy spectra luminance calibration in ultra-violet using a hydrogen plasma. 353547
Fieg, G.
Experimental investigations of heat transfer characteristics in liquid layers with internal heat sources. (CONF-761001 - P4) 362919
Model experiments on the thermodynamics of core melts. 370552
Fiehn, A.J.
Implementation of Egypt's first nuclear power plant. 352535
Field, D.
Dye-laser Doppler-free spectroscopy of hyperfine levels in electronically excited NH_2. 366332
Field, G.B.
Constraints on a dense hot intergalactic medium. 359084
Field, J.
Physics with very high energy e^+e^- colliding beams. (CERN - 76-18) 375013
Field, J.J.
On the non-uniqueness of ideal MHD equilibria, with implications for tokamak calculations. 366536
Field, J.W. Jr
Review and assessment of deep-well injection of hazardous waste. Volume IV. Appendices E, F, G, H, I, and J. Final report. (PB - 269004) 374446
Field, J.W. Jr.
Review and assessment of deep-well injection of hazardous waste. Volume I. Final report. (PB - 269001) 371209, 371210, 371211
Field, R.
Engineering features of an upgradable ignition test reactor. (GA-A - 14633) 372008
Field, R.D.
Correlations among particles and jets produced with large transverse momenta. 356411
Field, R.E.
Remote maintenance system requirements for the ignition test reactor. (GA-A - 14474) 371881
Field, S.B.
A comparison of the RBE of fast neutrons at Edinburgh and Hammersmith. 360284
The response of skin to fractionated heat and X rays. 379012
The response of the mouse ear to heat applied alone or combined with X-rays. 373533
Fielden, E.M.
The effect of the electron affinic sensitizers Ro 07-0582 and Ro 03-6156 on the survival of several E. coli mutants. 376076
Fielding, G.H.
Improving the cost-effectiveness of HEPA filters via dielectrophoretic prefilters. 360526
A new electrostatic precipitator for HEPA prefilter use in the nuclear industries. 360525
Fielding, S.J.
High density discharges with gettered torus walls in Dite. (INIS-mf - 3963) 372042
High-density discharges with gettered torus walls in DITE. 348912
Re-cycling experiments in the DITE tokamak. 374841
Fields, C.A.
High spin states in ^{88} ^{87} ^{86}Zr. (TID - 27909) 378018
Fields, S.R.
Simulation of the mechanical behavior of a spent fuel shipping cask in a rail accident environment. (HEDL-TME - 76-18) 352401
Fields, T.
One-, two-, and three-particle distributions in pp collisions at 205 GeV/c. 372529
Properties of the reaction anti $pp \rightarrow K^+K^-\pi^+\pi^-$ at 2.32 GeV/c. 369366
Fieni, J.M.
Evidence for a rotational band in ^{24}Mg and its fragmentation: A rotation-vibration coupling. 372730
Fienning, W.C.
Engineered safeguards system activities at Sandia Laboratories for back-end fuel cycle facilities. (SAND - 78-0064C) 380136
Fieschi, C.
Assessment of regional cerebral blood flow by continuous carotid infusion of krypton-81m. 373656
Fieschi, R.
Dipolar point-defects in ionic crystals studied by means of ionic thermoconductivity. (INIS-mf - 4127) 363975
Fietz, W.A.
Integrated composite conductor for the LCS program. (CONF-771029 - 105) 374017
Fieuw, G.
In-situ testing of HEPA filters by the DOP test method. 360502
Precautions for preventing criticality at plutonium fuel treatment facilities. 360434
Fifield, L.K.
Measurements of the radiative widths of the first T = 1, 2^+ state of ^{20}Ne and their relationship to analog β-decays. 354182
Figge, K.
Arrangement for simultaneous and continuous determination of radioactive and of total reactive foreign matter in inert gases during flow. Pt. 4. 366053
Figgins, P.W.
Recovery and purification of uranium-234 from aged plutonium-238. (MLM - 2490) 378128
Figiel, J.
Isospin analysis of the diffraction dissociation processes in K^+p interactions at 5 and 8.2 GeV/c. 356506
Production of π^0 mesons in K^+p interactions at 8.2 GeV/c. 353936
Total cross sections for charged-current neutrino and antineutrino interactions in BEBC in the energy range 20-200 GeV. 353945
Figlhuber, D.
Judgement of test results in in-service inspections. 370810
Figueiras, H.D.
Metabolism of ^{181}W - labeled sodium tungstate in goats. (FOA-C - 40070) 376131
Figueiredo Neto, A.M.
Thermal neutron spectra measurements in IEAR-1 Reactor, by using a crystal spectrometer. (IEA - 397) 354189
Figueras Clavijo, J.M.
Inspection during the starting-up phase of nuclear power plants in Spain. (INIS-mf - 4059) 361178
Figuet, J.
Cavitation and gaseous nucleation. (IWGFR - 9) 349451
Figureau, A.
Pionic field and coupling constants in nuclei. (LYCEN - 7702(pt.1)) 359386
Fihey, J.L.
High-field critical current in in situ multifilamentary Cu-Sn-Nb alloys. 367244
Fikry, M.M.
Experience in reactor research and development programs as educational systems for thermohydraulic engineering. 352627
Fiks, V.B.
Directed collisions of indicator ions containing short-lived nuclei with neighboring atoms in monocrystals. 368823
Fil'chenkov, V.V.
A direct measurement of the rates of formation of ppμ and pdμ molecules in gaseous hydrogen. 355866
Fil'kov, L.V.
Compton scattering on protons at low energies. 353752
Filacchioni, G.
Mechanical behavior of a fuel pin for fast reactors: effect of the fuel form and of the approach-to-power on the change of the fuel stack length under irradiation. 379737
Filatov, Eh.S.
Formate and carbonyl-formate complexes of ruthenium. 369596
On probabilities of bimolecular chemical reactions at high energies. 369782
Filatov, P.P.
Changes in the dynamics of water metabolism in the rabbit organism as a function of external γ-radiation dose. 352042
Filatov, P.S.
Fertility and fertilizing ability of cotton pollen following γ-radiation (Co^{60}). 354901
Filatov, S.K.
Extra-furnace decarbonization of metal for vacuum induction smelting. 375764
Filatov, V.N.
The resonance dechanneling of fast protons in silicon during the axial-to-planar channel transitions. (INIS-mf - 3995) 377168
Filatov, V.V.
Effect of the depth-distribution of basal cells on their survival after the skin irradiation with β-particles of varying energy. 360270
Filatova, N.A.
Determination of enthalpy and entropy of hafnium monochloride formation. 357014
Filatova, S.A.
Double sulfates of titanium with rare earths of cerium group. 351487
Filatova, V.V.
Molybdenum interaction with molten mixture of fluorides and chlorides of potassium and sodium. (INIS-mf - 4189) 375604
Filby, R.H.
Elemental analysis of human lung tissue and other selected samples utilizing neutron activation analysis. (PB - 267508) 367031
A study of trace element distribution in the Solvent Refined Coal (SRC) process using neutron activation analysis. 375262
Filer, E.W.
Microstructural science. Volume 4. 354461, 354553, 354597, 355426
Filevich, A.
Level structure of ^{80}Rb studied with the ^{79}Br(α, 3n) reaction. 354146
Lifetimes and g-factors of the 6^- and 7^- isomers in ^{66}Ga and ^{68}Ga. 377993
Filges, D.
Application of the unfolding technique to spectral measurements in an FTR model blanket. 368926
Tritium production in a controlled thermonuclear reactor blanket model with a graphite reflector. 350865
Filho, A.F.
Analytic wave function for the deuteron D states. 364642
Filho, D.S.
Histochemical (polysaccharides, proteins, nucleic acids and enzymes) and autoradiographic (incorporation of ^{35}S labelled sodium sulfate) study of the epithelial intestinal cells of Xenodon merremii Wagler, 1824 (Ophidia). 349779
Filho, J.D.P.
Cross sections of (γ, xn) reactions in complex nuclei at intermediate energies. 356744

Filimonov, A.A.
Betatron electromagnet. (Czechoslovak patent document 155595/B/) 370740
Filimonov, G.V.
Differential ratemeter. (Soviet patent document 404032/A/) 355564
Filimonov, V.V.
Determination of the emanation coefficient of radon for the South Karelia soil. 360142
Instrumental errors of the field gamma spectrometry. 354649
Inteference effects on the gamma-spectrometric survey data. 354648
Filip, R.
Determination of the safety of conditions. A1 pressure vessel. (IAEA – 189) 360803
Surveillance programmes prepared and carried out during production and exploitation of the A-1 nuclear reactor pressure vessel. (IAEA – 202) 376537
Filip'ev, A.I.
Installation for study on the angular correlation of annihilation radiation. 358402
Filipchuk, E.V.
Experimental investigation of digital algorithms for direct control of neutron flux on the IRT-2000 reactor. 376461
The philosophy of the power distribution computer-controlled system for channel type reactors. 379582
Power zone control of a nuclear power reactor. 350172
Filipenko, L.A.
Polarizability of nuclear matter in a fissile nucleus and charge distribution of fission fragments. (INIS-mf – 3896) 356562
Filipowska, D.
Possibilities of heart damage during roentgenotherapy. 367524
Filippi, C.
New method to measure oxygen isotopic concentration ratios $^{18}O/^{16}O$ by gamma-activation analysis, especially in biological media. 375259
Filippov, A.G.
Power zone control of a nuclear power reactor. 350172
Filippov, A.T.
Composite models of hadrons and relativistic bound states. (JINR-D – 1,2-10400(v.1)) 377724
Cosmic ray flares and short-period variations of intensity. 356273
Dynamics of hadron composite models. (JINR-D – 2-9788) 375027
Investigation of the solution of quasipotential equations. (JINR-D – 1,2-10400(v.1)) 376909
Filippov, E.A.
Inversion of transuranium element reactivity in extraction equilibria. 375635
Filippov, E.S.
Conditions for formation and stabilization of atom groups in liquid metals. 357271
Free volume quantization, formation of bcc, fcc, hexagonal structures and interaction spheres. 369939
Structural chemical analysis of liquid metals based on discrete nature studies of changes in physical properties. 349462
Theoretical substantiation of liquid metal ordering and structure. 357272
Theory of phase transformations. 369938
Filippov, G.
The electron emission induced by channeled particles. (INIS-mf – 3996) 364009
Filippov, G.F.
On the form of light nuclei in the translational invariant shell model. (ITF – 76-148 – R) 377925
Filippov, L.P.
Specific heat of liquid caesium at temperatures up to 1700 K under pressure. 375832
Filippov, M.V.
Fluctuations of plasmons localized in a plasma by a pumping electromagnetic wave. 374858
Filippov, N.V.
Investigation of energetic ion beams in the plasma focus discharge. (INIS-mf – 3963) 371841
Study on deuteron beams produced in plasma focus. 361356
Filippov, S.I.
Alloying with nitrogen and denitriding of the complex composition metal bath. 357293
Nitrogen behaviour at steel melting in arc furnaces. 375771
Filippov, V.A.
Study on the long-period variations of galactic cosmic ray distribution in the interplanetary magnetic field. 357538
Filippov, V.N.
Application of resonance interferometry and holography for plasma diagnostics. 348906
Filippov, V.V.
Measurement of distribution density of total neutron cross-sections. (INIS-mf – 3895) 354183
Measurement of energy dependence of correlations between the capture cross-section and the total one for intermediate and fast neutrons. (INIS-mf – 3895) 354004
Measurement of total cross-section dispersions for intermediate and fast neutrons. (FEI – 511) 366974
Filippova, A.A.
Investigation of thermal transformation of lanthanum and neodymium hydroxides by IK-spectroscopy. 367082
Filippova, T.I.
Investigation of energetic ion beams in the plasma focus discharge. (INIS-mf – 3963) 371841
Study on deuteron beams produced in plasma focus. 361356
Filippova, V.V.
Charge asymmetry at large psub(T) in inelastic anti pp reactions at 22.4 GeV/c. 353943
Filippovich, I.V.
On the role played by functional defects of the template in the processes of post irradiation replication and reparation of DNA in the thymus of irradiated rats. 349732
Radioprotective action of MEA when decreasing the level of endogenous low-molecular thiols in rat tissues. 370353
Filipy, R.E.
Carcinogenesis of inhaled radio daughters with uranium ore dust in beagle dogs. (BNWL – 2100(Pt.1)) 360312
Non-neoplastic pulmonary disease from inhaled radon daughters with uranium ore dust in beagle dogs. (BNWL – 2100(Pt.1)) 360313
Fill, E.
The development of a high-power iodine laser in plasma physics institute in Garshing, GFR. 361426
Fill, H.D.O.A.
Two-group diffusion calculation through pseudo-continuous synthesis. 355256
Fillion, G.
Valence bonding in $CrUS_3$ and related compounds showing delocalized unpaired electrons. 357390
Fillo, J.
Redundant coolant capability for fusion reactor blankets. 377579
Fillo, J.A.
Fusion blankets for catalyzed D – D and D – He^3 reactors. (BNL – 22955) 350839
Fusion blankets for catalyzed D-D and D-^{3}He reactors. (EPRI-ER – 536-SR) 371842
Heat transfer models for fusion blanket first walls. (BNL – 22826) 361533
Thermal-hydraulic and neutronics analysis of an SAP-thermosyphon blanket. 350838
Filonenko, V.D.
Thermal analysis density and volumetric properties of the rubidium molybdate (tungstate)-rubidium chloride and cesium molybdate (tungstate)-cesium chloride molten systems. (INIS-mf – 4193) 378436
Filyushkin, I.V.
Gas proportional scintillation counters. 350314
Filz, R.C.
Particle induced visual phenomena in space. 360539
Width measurements on neon and nitrogen tracks in Ilford G-5 emulsion. 368307
Finch, C.B.
Self-luminescence of several fluorite-structure halides doped with curium or berkelium. 371597
Finch, D.R.
Quantitative consistency testing of thermal benchmark lattice experiments. (DP-MS – 77-33) 368000
Finch, L.M.
Support grid for fuel elements in a nuclear reactor. (US patent document 4,028,180/A/) 374198
Finch, R.E.
Carbonate leach uranium ore processing with sodium polyacrylate flocculant. (US patent document 4,024,216/A/) 351687
Finch, S.C.
Peripheral blood changes preceding the development of leukemia in atomic bomb survivors of Hiroshima and Nagasaki. 370380
Radiation of the young brain. 365402
Finch, W.I.
Uranium and thorium resource assessment and exploration research program, fiscal year 1977. (USGS-OFR – 77-218) 365266
Findlay, D.J.S.
The p-shell nucleon momentum distribution in ^{12}C from the (e, e'p) and (γ, p) reactions. 372609
Findlay, J.
Fission and corrosion product behaviour in primary circuits of LMFBR's. A status review of work being undertaken in the UK. (IWGFR – 7) 361000
Findlay, J.R.
The characteristics of fission gas release from monocrystalline uranium dioxide during irradiation. 357412
Findley, G.L.
Molecular Rydberg states. XI. Quantum defect analogies between molecules and rare gases. 366240
Findley, W.N.
Prevention of fuel rod ballooning in nuclear power plants. 358083
Fine, J.
On producing usual two-dimensional images of ion beams. 368776
Fine, R.A.
Source function for tritium transport models in the Pacific. 373436
Finger, H.
Cesium and rubidium metabolism of cows. 375279
Finger, J.T.
Underground siting of nuclear power plants: potential benefits and penalties. (SAND – 76-0412) 352185
Finger, M.
Beta spectra investigation by the YSNAPP program. (JINR-R – 6-9711) 366990
Exploitation of radioactive oriented nuclei in physical experiments. 354184
Hydrodynamic modeling and explosive compaction of ceramics. (UCRL – 79345) 362494
JINR studies of oriented radioactive nuclei. 366975
Finger, U.
Theoretical description of dechanneling in imperfect crystals. (INIS-mf – 3996) 364010
Finjord, J.
Drell-Yan production of intermediate vector bosons. 372410

Fink, A.
Immunological reaction of UV-induced radiation damage in coliphage DNA. 354932
Fink, B.
Dynamic model of the absorption in heavy ion scattering. 354063
Fink, H.J.
On the dynamics of three-body break-up reactions. 366935
Theory of fragmentation dynamics in nucleus-nucleus collisions. 375108
Fink, J.
Behaviour of electron rings in the early phase after ring formation. (IPP – 0/34) 357965
An investigation of magnetic ordering in Gdsub(x)Cesub(1-x)Ru_2 by ^{155}Gd Moessbauer spectroscopy. 371675
Fink, J.H.
Efficient production of neutral beams by photodetachment of negative ions. (UCRL – 79927) 361357
Evaluation of beam-line components for use in a large neutral-beam injector. (UCRL – 79570) 361534
Fueling with neutral beams. (UCRL – 80065) 371843
Long-life cathode for the Berkeley-type ion source. (UCRL – 79705) 371844
Mechanical design criteria for continuously operating neutral beams. (UCID – 17573) 366650, 372077
Fink, J.K.
Interactions of refractories and reactor materials with sodium. 368204
Thermophysical properties of thorium and uranium systems for use in reactor safety analysis. (ANL-CEN-RSD – 77-1) 378463
Fink, R.W.
Nuclear and x-ray spectroscopy with radioactive sources. (ORO – 3346-214) 372749
Fink, U.
Spectral development of Nova Cygni 1975. 351086
Finkel, R.C.
The cosmic ray record in the San Juan Capistrano meteorite. 374906
Finkel'berg, S.A.
Magnetic susceptibility and magnetic moment of iron-chromium alloys. 349521
Finkel'shtejn, L.D.
On raising of the Curie temperature of the EuO magnetic semiconductor. 374685
Finkel'shtejnajte, M.L.
Study of reactions of molybdate and tungstate with dioxycumarines. (INIS-mf – 4191) 375453
Finkelfarb, E.
Immunological aspects of ionizing radiations. 354769
Finkelman, R.B.
Brannerite from the Penn Haven Junction uranium occurrence, Carbon County, Pennsylvania. 357460
Finkelstein, J.
Quark diagrams for baryons. 353799
Finken, R.
Thermodynamic correlations for the accident analysis of HTR's. (Juel – 1362) 355434
Finlay, R.
^{104} ^{106}Pd(p,n,γ) ^{104} ^{106}Ag energy levels. (BNL-NCS – 22500) 356743
Finlay, R.W.
High intrinsic efficiency, time-compensated scintillation detector. 368280
Isospin dependence of experimental nuclear deformations. 351329
Finlayson, T.R.
Superconductivity and stoichiometry in the C15 Laves phase HfV_2. 378620
Finley, A.
The construction of Hartlepool and Heysham AGRs. 352680
Finley, B.H.
Assessment of the environmental impacts produced by the transport of radioactive materials through urban areas. (SAND – 77-0853C) 373598
Finley, D.A.
Measurement of phi production in proton-nucleus collisions at 400 GeV/c. 366877
New limits on D^0(1.865) production in proton-nucleus collisions at 400 GeV/c. 361882
Finley, N.N.
Model to predict the radiological consequences of transportation of radioactive material through an urban environment. (SAND – 77-0844C) 373577
Finley, R.H.
Programming of computers for the protection system for Savannah River reactors. (DPSPU – 77-30-5) 355485
Finley, W.D.
Review and assessment of deep-well injection of hazardous waste. Volume I. Final report. (PB – 269001) 371209, 371210, 371211, 374446
Finn, J.M.
Coupling of tearing modes in tokamaks. 350840
Inelastic electron scattering from low-lying states in the nuclei ^{36}Ar and ^{40}Ar. 356760
Finn, P.A.
Thermophysical properties of liquid uranium carbide. 378766
Finn, T.
On the highly directional expansion of laser-produced plasmas. 366528
Finne, A.
Design of rockstorages. (KBS-TR – 38) 380043
Finnemann, H.
Interface current techniques for multidimensional reactor calculations. 350107
Validation of the nodal expansion method and the depletion program MEDIUM-2 by benchmark calculations and direct comparison with experiment. 350123
Finnemore, D.
Fabrication of superconducting wire composites by directional solidification. Yearend report on project. (IS – 4280) 378575
Finnemore, D.K.
Electron tunneling study of the superconducting proximity effect in Pb-Cd. 359994
Finney, B.C.
Correlation of radioactive waste treatment costs and the environmental impact of waste effluents in the nuclear fuel cycle: conversion of recycle uranium to UF_6. (ORNL/NUREG/TM – 37) 352288, 374417
Finnie, I.
Fracture and fatigue of high strength filaments. Final report, September 25, 1974 – August 30, 1975. (UCRL – 13734) 365222
Finocchiaro, G.
An upper limit for the radiative decay width of the J/psi resonance into eta'(958) + γ. 369353
Finsterbusch, L.
Measurement of ^{59}Fe nuclear radiation considering particularly liquid scintillation measurements. 374314
Finsterwalder, L.
An improved sampling system to be used in reprocessing. 369833
Finsterwalder, W.
Recent experiments on the treatment of medium level wastes and spent solvent and on fixation into bitumen. 358466
Finston, H.L.
Nuclear and radiochemical techniques in chemical analysis. Progress report, August 1, 1976 – July 31, 1977. (COO – 3126-37) 375263
Finzi, S.
CEC activities in the field of LMFBR safety. (CONF-761001 – P3) 365516
Role of the Joint Research Centre of the Commission of the European Communities in nuclear safety research. 352225
Fiore, R.
Remarks on the J-dependence of the boostrap mass spectrum. 361795
Single fireball and fireball ideal gas. 363776
Fiori, A.M.C.
Immunological aspects of ionizing radiations. 354769
Fiori, M.
Experimental confirmation of the 1100 MeV structure and first observation of the leptonic decay of the rho' (1250). (DESY – 77/59) 356491
Measurement of the photoproduction phases of the rho, ω, and phi mesons. (DESY – 77/56) 353934
Measurement of the real part of the virtual compton amplitude and of the invariant mass yield of the photoproduced e^+e^- pairs in the mass range $1{,}500 < m < 2{,}000$ MeV. (DESY – 77/60) 356492
Fiory, A.T.
Critical currents associated with the interaction of commensurate flux-line sublattices in a perforated Al film. 369940
Fiquet-Fayard, F.
The NO^- $^3\Sigma^-$ and $^1\Delta$ resonance: theoretical analysis of electron scattering data. 377132
The NO^- $^3\Sigma^-$ and $^1\Delta$ resonances: theoretical analysis of electron scattering data. 353371
Firing, J.A.
Evaluation of in-reactor measurements of fuel-rod deformations. 365825
Firk, F.W.K.
Determination of R-function and physical-state parameters for n-^{4}He elastic scattering below 21 MeV. 354049
Firkovskij, R.
Experimental study of extensive air showers with particle number from 10^5 to 10^6. 362622
Firment, L.E.
Studies of the surface structures of molecular crystals and of adsorbed molecular monolayers on the (111) crystal faces of platinum and silver by low-energy electron diffraction. (LBL – 6017) 377009
Firmin, G.
Radiation protection philosophy alters. 360486
Firnsian, N.
Results of ^{89}Sr-radiotherapy of malignant skeletal diseases. (INIS-mf – 4010) 357607
Firsov, N.N.
Surface diffusion of refractory metal atoms over polycrystal rhenium. 349473
Firsov, O.B.
Atom interaction in statistical theory. (INIS-mf – 3915) 348675
Firsov, V.G.
Investigation of the muonium stage of μ^+ meson depolarization in germanium. 368824
Firsov, V.I.
Radiation action on physicochemical properties of bismuth-molybdenum catalyst in oxidative ammonolysis. 373093
The use of the microtron for the activation analysis of pure metals and alloys. 356975
Firsova, L.A.
Studing sorption mechanism of indium and iron (3) ions on phosphoric-acid cationite KF-7. 378263
Firsova, L.P.
Kinetics of chemical reactions initiated by hot atoms. 351606

First, M.W.
High efficiency filtration of liquid-metal-generated aerosols. 360503
Training and certification of personnel who perform in-place filter tests at nuclear facilities. 361225
Firstov, S.A.
Changes in the structure and mechanical properties of the two-phase alloy VKh4 in the process of plastic deformation. 365158
Plastic deformation effect on the structure and fracture character of molybdenum. 378749
Firusian, N.
The value of emission tomography in clinical oncology. (INIS-mf – 4010) 362813
Fischbach, E.
Analysis of recent data on the parton distribution functions for polarized protons. 351974
Comparison of recent high-p/sub tr/data with the effective-gluon model. 372411
Effective-gluon model description of inclusive meson production in π^{+-} p and pp collisions. 372457
Fischer, A.K.
Experimental two-phase liquid – metal magnetohydrodynamic generator program. Annual report, August 1975 – September 1976. (ANL/MHD – 77-3) 377673
Trapping efficiency of molten lithium for 20-keV tritium ions. 350611
Fischer, B.E.
Development and testing of instrumentation sensors for sodium coolant systems. (CONF-760503 – P2) 352739
Fischer, C.
Operation of the CERN-ISR for high luminosity. 363222
Fischer, C.H.
The reactivity of pyrene derivatives in neutral micelles towards hydrated electrons. 365075
Fischer, D.A.V.
Role of the IAEA in multinational fuel-cycle centers. 375742
Fischer, E.
Ultrahigh vacuum technology for storage rings. 363223
Fischer, E.A.
Analysis of experimental fission gas behavior data in fast reactor fuel under steady state and transient conditions. (KFK – 2370) 350253
Analysis of LMFBR overpower accidents, including fission gas effects in the predisassembly and disassembly phase. (CONF-761001 – P3) 365523
Reactor theory and physical experiments. (KFK – 1277/2) 370795
Recent improvements in the prediction of reactivity coefficients relevant to LMFBR accident analysis. (CONF-761001 – P2) 362920
Fischer, G.
On experimental and theoretical considerations of recoil implantation. (INIS-mf – 3996) 364011
Fischer, H.
The effect of orally administered contrast media for cholangiography on T_4-T_3 conversion. (INIS-mf – 4010) 370484
Influence of iodinated cholegraphica on T_4/T_3-conversion. 360380
Nuclear shape staggering in very neutron-deficient Hg isotopes detected by laser spectroscopy. 351385
Nuclear spins of ^{76}Rb and ^{119}Cs by β radiation detected optical pumping. 375174
Physics with very high energy e^+e^- colliding beams. (CERN – 76-18) 375013
The texture problem in Moessbauer spectroscopy. 353480
Fischer, H.G.
Observation of jet structure in high psub(T) events at the ISR and the importance of parton transverse momentum. 353956
Fischer, H.P.
A new high-resolution, high-intensity apparatus for the study of Fermi surfaces of alloys by positron annihilation. 371598
Fischer, J.
Forward proton-proton scattering at very high energies. 356398
High-energy behaviour of hadron-hadron forward scattering amplitude. 353803
Measurement of thermal diffusivity of molten UO_2. (CONF-770537 – 3) 360017
Miniature electron bombardment sample evaporation source for ESCA. 354305
New asymptotic theorems for hadron-hadron forward scattering amplitude. 353804
Observation of the decay $\pi^0 \rightarrow e^+e^-$. 377802
Fischer, J.A.
Role of offshore nuclear power plants. 358546
Fischer, M.
Safety aspects of LWR fuel reprocessing and mixed-oxide fuel fabrication plants. 369834
Status and tasks of nuclear safety research. (AED-Conf – 77-403-005) 376203
Fischer, O.
Anisotropy of Hsub (c2) in the chevrel phases. 374692
Magnetic ordering in the superconducting state of rare earth molybdenum sulphides, (RE)sub(1.2)Mo_6S_8 (RE = Tb, Dy and Er). 358881
Solid solutions Pb/sub y/Mo_6X/sub 8-x/Z/sub x/ and Mo_6X/sub 8-x/Z/sub x/ (X,Z = S, Se, Te) and their superconducting properties. 351854
Fischer, Oe.
Anisotropy of the critical field in Mo_6S_8. 377682
Magnetic susceptibility of $TRMo_6S_8$. 377692
Preparation and properties of thin films of $PbMo_6S_8$. 377683
Superconducting $PbMo_6S_8$ filaments. 377681
Fischer, P.
Magnetic ordering of rare earth monochalcogenides. 350726
Magnetic phase transitions of CeSb: results of structure refinements. (RISO – 369) 368777
Neutron scattering investigations of the $LaNi_5$ hydrogen storage system. 367243
Fischer, P.G.
Calibration of dose rate according to section 13 of the X-ray ordinance with the aid of thermoluminescent dosemeters. 349915
Fischer, P.U.
Future advanced energy systems. 352699
Fischer, R.
Layout and arrangement of a PNP prototype plant. 370957
Nuclear process heat at high temperature: Application, realization and development programme. 379701
Fischer, R.B.
Gallium in the alpha and delta plutonium lattice. (RFP – 2636) 378621
Fischer, S.
Product energy distribution for exothermic reactive collisions. 371481
Fischer, S.K.
Simulation of chlorinated water discharges from power plants on estuaries and rivers. (CONF-771109 – 75) 378891, 379243
Fischer, S.R.
Reflood simulation study of the FLECHT-SET system using RELAP4/MOD6. 352207
Fischer, T.
Application of acoustic emission techniques during fatigue crack progress in weld joints. 365772
Initial clinical-radiological experience with the foils of the new generation in routine operations. (AED-Conf – 77-133-011) 352334
Fischerhof, H.
The position of nuclear law within legal order. 352952
Fischler, W.
Quark-antiquark potential in QCD. 363777
Fish, J.D.
Radiolytic production of chemical fuels in fusion reactor systems. (COO – 3028-28) 350841
Fish, O.
Energy loss of 2-15 GeV/c particles in Si and Ge single crystals with a comparison to existing theory. (INIS-mf – 3996) 364005
Fishbane, P.M.
Dependence of large-momentum-transfer inclusive reactions. 351157
Fishbone, L.G.
Relativistic fluid disks in orbit around Kerr black holes. II. Equilibrium structure of disks with constant angular momentum per baryon. 351009
Fisher, A.S.
Direct determination of the electron energy confinement time of a tokamak plasma. 356107
Fisher, C.M.
The possibility to study the production and decay systematics of short-lived (tau greater than approximately 10^{-13} secs) new particles in hadronic reactions using the bubble chamber techniques. (RL – 77-133-A) 364486
Fisher, D.E.
f/α particle track analysis. 372853
Fisher, D.R.
DTPA research at the University of Utah. 354857
Fisher, E.S.
Critical current changes and fatigue damage after 4.2 K strain cycling of superconducting composites. 373185
Cyclic stress effects on transport properties of superconducting composite materials. 359918
Fisher, F.D.
Benefit/cost analysis of plutonium recycle options in the United States of America. 368447
Fisher, G.B.
Ultraviolet photoemission studies of methanol adsorbed on Ru(110). 369941
Fisher, H.D.
Requirements for in-reactor zircaloy creep measurements for application in the design of PWR fuel. 360079
Fisher, J.C.
LLL development of a combined etch track: albedo dosimeter. (UCRL – 79658) 363571
Multi-technique characterization of neutron fields from moderated ^{252}Cf and ^{238}PuBe sources. (UCRL – 79483) 370689
Fisher, J.R.
HI profile distances and the Hubble constant. 364321
Program plan for transfer of core analyses technology to the nuclear utility industry of a developing country. 352439
Program plan for transfer of core analysis technology to the nuclear utility industry of a developing country. 358129
Fisher, P.W.
Cryosorption pumping of deuterium by MS-5A at temperatures above 4.2 K for fusion reactor applications. (CONF-771110 – 8) 371845
Cryosorption vacuum pumping under fusion reactor conditions. (CONF-770908 – 4) 359039, 369005
Fisher, R.K.
Studies of doublet plasmas in Doublet IIA. 358942
Fisher, R.R.
Photoelectric observations of Fe XIV coronal depletion: 20 April 1976. 372166
Fisher, S.
On the amplitude distribution of pulsations of quasi-captured electrons into the inner magnetosphere. 357536
Spectral-time analysis of modulation of poured out electrons and

VLF-radiation on data obtained by the Interkosmos-5 satellite. 376046
Fisher, S.M.
Coherent production of low-mass $p\pi^+\pi^-$ states in the interaction of 18.6 GeV/c protons with ^{4}He nuclei. 372518
Fishkova, L.M.
Photoelectron role in excitation of radiation in the upper layers of the earth atmosphere. (INIS-mf - 3915) 349675
Fishman, A.
Gamma gauge for monitoring moisture in soil. (INIS-mf - 4052) 374315
Fishman, G.J.
Proton-induced radioactivity in NaI (Tl) scintillation detectors. Interim report. (N - 77-23906) 363563
Radiation in space and its effects on high-energy astronomy experiments: a summary. 377606
Fishman, V.Ya.
Standard logic elements in the 'Chereshnya' unified structure. (ITEF - 62) 376716
Fisk, G.A.
Requirements for optimum chemical recoverability in photolytically pumped atomic iodine lasers. (SAND - 76-9310) 348913
Fisk, H.E.
Normalized small-y cross sections for neutrinos and antineutrinos at high energy. 359333
Rate of dimuon production from neutrinos and antineutrinos at high energy. 366880
Fisk, R.J.
Observation of structure in the UPSILON region. 369378
Fisk, Z.
de Haas - van Alphen effect and Fermi surface of Nb_3Sb. 359893
Fistedis, S.H.
Comparison of ANL containment codes with SNR-300 simulation experiments. (CONF-761001 - P3) 365577
Computer simulation of LMFBR piping systems. (CONF-770807 - 45) 370519
Eulerian algorithm for analyzing fluid-structure interaction in the fast reactor containment. (CONF-770807 - 54) 373876
Extension of HCDA safety analysis to large PCRV containment structures. (CONF-770807 - 49) 367776
Simulation of LMFBR excursion models by means of ICECO. (CONF-770807 - 52) 373843
Some aspects of the structural response of pool-type LMFBR systems to HCDA and seismic events. (CONF-761001 - P3) 365578
Fiszer, W.
The appraisal of the efficacy of washing the surfaces in the slaughter premises by means of bacteria labelled with ^{32}P. 373980
Fitch, R.K.
The production of energetic neutrals by saddle field ion sources. 370675
Fitchard, E.
Coherence effects in electron-hydrogen scattering. 353235
Deflection effects in inner-shell ionization. 358839
Hydrogen-atom excitation and ionization by proton impact in the 50- to 200-keV energy region. 358740
K-shell hole production by light ions in the region eta$^{1/2}$ < or approx. = 1 . 350613
Fitchard, E.E.
K-shell vacancy creation by light ions in the intermediate and high energy regions. 353236
Proposed experimental test of wave packet reduction and the uncertainty principle. 368629
Fite, W.L.
Cross section for production of the metastable H(2S) state in proton collisions with atomic hydrogen. 358725
Energy distribution of electrons from U + O_2 associative ionization. 377140
Uranium atoms and ions in the gas phase. Progress report, March 1, 1977 - February 28, 1978. (COO/4295 - 1) 379364
Fitos, I.
Isotope effect in hydogen atom abstraction from substituted phenols by polyvinyl acetate radicals in vinyl acetate. 351567
Fitschen, J.
Yield and production of ^{18}F by ^{3}He irradiation of water. 357860
Fitton, B.
Infrared vibration spectroscopy of molecular adsorbates on tungsten using reflection inelastic electron scattering. 362371
Fitzenreiter, R.J.
Interplanetary baseline observations of type III solar radio bursts. 366775
Interplanetary baseline observations of type 3 solar radio bursts. (N - 77-25043) 364425
Fitzgerald, C.L.
Determination of fission product and heavy metals inventories in FTE-4 fuel rods by a grind-burn-leach flowsheet. (ORNL/TM - 5756) 351688
Fitzgerald, D.H.
Population by the (p,n) reaction and decay by proton emission of isobaric analog states of ^{110}Sn. 372750
Fitzgerald, L.T.
Determination of internal radiation absorbed dose: a computer method. 365631
Fitzgerald, M.
Chemistry of technetium phosphonate complexes. (INIS-mf - 4010) 357081
Photon and electron interaction properties of ICRP reference man. 354825
A stable solid insoluble support for stannous ions: potential uses in the preparation of new radiopharmaceuticals. (INIS-mf - 4010) 367145
sup(99m)Tc tin phosphate: a reticuloendothelial system scanning agent. (INIS-mf - 4010) 357080
A tabulation of 4th order polynomial coefficients calculated to fit the photon interaction data of 69 ICRP reference man tissues. 370664
Fitzgerald, T.J.
Characteristics of late-time striations observed during operation stress. (LA-UR - 77-2835) 378951
Fitzgerald, W.J.
A neutron investigation of the low temperature structure of $RbH_3(SeO_3)_2$. 371607
Fitzpatrick, C.M.
Mechanical characterization of selected adhesives and bulk materials at liquid nitrogen and room temperatures. (CONF-771029 - 65) 373318
Fitzpatrick, F.A.
Radioimmunoassay for thromboxane B_2. 362770
Fitzsimmons, W.A.
Nanosecond time-resolved spectroscopy of the n = 2 levels in a high-pressure He discharge. 358773
Fivel, H.J.
Graphite curtain vacuum outgassing and heat transfer. Final report. (COO - 2802-4) 364195
Fix, J.J.
Association of Hanford origin radionuclides with Columbia River sediment. (BNWL - 2305) 360179
Master schedule for CY-1978. Hanford Environmental Surveillance Routine Program. (PNL - 2432) 379220
Radiochemical analyses of game birds collected from the Hanford environs, 1971 - 1975. (BNWL - 2089) 357461
Radionuclide concentrations in selected foodstuffs and wildlife from the Hanford environs, 1971 - 1975. (PNL - 2383) 379133
Fjeldbo, G.
Radio science investigations with Voyager. 374902
Flach, W.T.
In-service examinations during plant outages. 358180
Flachowsky, J.
Possiblities of substoichiometric silver trace determination by a microliter method. 354293
Flagella, P.N.
Self-welding evaluation of Type 304 and A286 stainless steel in the temperature range 800°-1140°F in flowing sodium. 369919
Flagmeyer, R.
Investigation of lattice deformation in proton bombarded GaP and $ZnSiP_2$ by means of the proton-induced Kossel effect. 374712
Flaherty, E.J. Jr.
Symmetries in gauge theories. 368525
Flambaum, V.V.
On enhancement of the electron electric dipole moments in heavy atoms. 348585
Flaminio, E.
K°sub(L)p interactions in the c.m. energy range 1.54-1.71 GeV. 372508
A study of the Dalitz plot in the decay K°sub(L)→$\pi^+\pi^-\pi^0$. 353988
Flammang, R.
Heterocycles fragmentation by electron beams. 354440
Flanagan, G.F.
Central computerized data base for liquid metal fast breeder reactor safety codes. (CONF-761001 - P3) 365511
Flanagan, S.
Some limitations on the use of the assumption of thermal equilibrium between phases: a comparison between theory and experiments on simple water filled systems. 376509
Flanagan, T.B.
The slow step for hydrogen absorption (desorption) by activated $LaNi_5$. 367276
Flanagan, T.M.
Safety Analysis Report for Packaging (SARP): USA/9507/BLF (ERDA - AL), Model AL-M1. (MLM - 2447) 379473
Flannery, M.R.
Photoionization of vibrationally excited molecular hydrogen. 358840
Flatau, C.R.
Solution for remote handling in accelerator installations. 363175
Flato, M.
Non-linear equations and covariance. 371373
Flaum, C.
Determination of the static quadrupole moment of the 1.98-MeV 2^+ state in ^{18}O. 351349
Energy dependence of ^{32}S + ^{24}Mg fusion cross sections. (ANL - 77-60) 378023
Fleck, J.A. Jr.
Propagation of highly aberrated laser beams in nonquadratic plasma waveguides. 350835
Fleck, W.F.
Influence of violamycin BI on the process of excision repair in E. coli after UV irradiation. 373504
Fleer, A.
Distribution of some chemical elements between dissolved and particulate phases in the ocean. Period covered: August 1, 1976 - October 31, 1977. (COO - 3566-19) 379302
Fleischer, L.
Applicability of the Reactor Safety Study (WASH-1400) to LMFBR risk assessments. (CONF-761001 - P2) 362909
Fleischer, L.S.
Model for evaluating probabilities of primary system retention of core debris and time of release in LMFBR risk assessments. (CONF-761001 - P4) 362921

Fleischer, M.
Investigation of the function and service life of rotary penetrations, bearings, and key mechanisms under HTR conditions. 370851
Layout of spindle-driven torsion bars for pebble-bed reactors. 370962
Fleischer, R.L.
Barrier technique for separate measurement of radon isotopes. 367140
The past and future roles of solid state nuclear track detectors. 368288
Fleischhauer, G.
Procedure for making spherical oxide- or carbide-ceramic particles. (German (F.R.) patent document 1542346/C/) 351689
Fleischmann, F.K.
Radioactive waste in the Federal Republic of Germany. 368357
System study: radioactive wastes in the Federal Republic of Germany. SRA 1, accumulation of radioactive wastes in the Federal Republic of Germany. (ERDA-tr – 306) 358459
Fleischmann, H.H.
Anomalous fast-particle losses from strong electron rings in qudrupole-stabilized mirror fields. 358975
Energy measurements on fast-pulsed near-relativistic electron beams using bremsstrahlung absorption spectroscopy. 366627
Generation of field-reversing E layers with millisecond lifetimes. 368930
Production of field-reversing electron rings by ring stacking. 358933
Recent progress on the field-reversing electron ring experiments at Cornell. (INIS-mf – 3963) 371846
Fleissner, J.G.
Band structure in ^{147} ^{149} ^{151}Eu observed via (HI,xn) reactions. 351350
Flejsher, V.G.
Cooling of the spin system of semiconductor lattice nuclei in the field of electrons oriented by light. 348833
Magneto-optical phenomena in radiation spectra related to optical orientation of electrons and nuclei in semiconductors. 371706
Fleming, D.G.
Muonium chemistry in the gas phase. 358741
Fleming, D.L.
Aerosol characterization from a simulated HDCA. Annual report. NRC program A1171-2. (MLM-MU – 77-70-0004) 379259
Fleming, G.R.
Exciton fission and annihilation in crystalling tetracene. 356508
Fleming, J.S.
Gamma-radiation imaging system based on the Compton effect. 361032
Fleming, K.N.
Common-cause failure considerations in predicting HTGR cooling system reliability. 357768
Fleming, R.M.
Oscillatory magnetoresistance in 4Hb – TaS_2 and superconductivity in dilute alloys of TaS_2 with Fe. 362403
Fleming, S.J.
Development of thermoluminescence dating techniques at Oxford. (INIS-mf – 4037) 356940
Flemming, L.
Enhancement of neutron yield from Focus devices. (INIS-mf – 3963) 371787
Flengas, S.N.
Some thermodynamic properties of the solutions of $ZrCl_4$ and $HfCl_4$ in CsCl melts. 356990
Flerackers, E.
Theoretical study of light nuclei. (INIS-mf – 4267) 377856
Flerov, G.N.
Application of the heavy ion beams in related fields of science and engineering. (KFTI – 74-27) 355184
Vacancy porosity in metals irradiated with accelerated Fe ions. (JINR-R – 14-8801) 349586
Flesher, G.I.
Radiation of an electron in an electric field. 1. 358655
Radiation of an electron in an electric field. 2. 348584
Flessas, G.P.
On an analytical angular-momentum projection method. 354064
Fletcher, F.L.
Development and testing of instrumentation sensors for sodium coolant systems. (CONF-760503 – P2) 352739
Fletcher, G.
The effect of CTAB on the radiation sensitivity of benzocaine to hydrated electrons and hydroxyl radicals in aqueous solution. 375678
Fletcher, G.C.
Surface magnetization of hyperfine particles of metals. 366410
Fletcher, J.
Structural and electrical profiles for double damage layers in ion-implanted silicon. 350775
Fletcher, J.K.
The solution of the time-dependent multi-group neutron transport equation using spherical harmonics. 365791
The solution of the time-dependent, multi-group neutron transport equation. (ND-R – 30(R)) 374115
Fletcher, J.M.
Measurement of several baryon exchange reactions between 3.0 and 5.5 GeV/c. 364576
Fletcher, J.W.
Correlation of optical and electron spin resonance spectra for metal-electron species in alkali metal solutions. 362281
Fast infra-red detectors for use in pulse radiolysis: a reversible slow component. 376654
Optical spectra and yields of solvated electrons and metal-electron species in alkali metal systems. 357148
Solvated electrons and the effect of coordination on the optical spectra of alkali metal cation-electron pairs in ethers. 362280
Fletcher, N.R.
(^{12}C,^{8}Be) reaction on even calcium isotopes. 351395
Fletcher, R.
Possibility of detecting phonon drag due to an electronic heat current. 373186
Fleury, A.
Energy dependence of fissionability for ^{239}Pu, ^{238}Pu, and ^{241}Am. 366930
Fission and neutron emission in the actinides at excitation energies of 10 – 35 MeV. 359482
Fission probability calculations for heavy-ion induced reactions. 359385
A spectrometer for gaseous studies in the soft X-ray range. 371151
Fleury, N.
A model for leptons. 359286
Fleury, P.
Baryon exchange in π^- induced two-body reactions at 9GeV/c and 12GeV/c. (LPNHEX – 77-04) 369355
Flevaris, N.F.
The ordered state of In_3Te_4. 369968
Fliedner, T.M.
Characterization of bone marrow and lymph node repopulating cells by transplanting mononuclear cells into radiated dogs. 370363
Studies on the regeneration of the CFU-C population in blood and bone marrow or lethally irradiated dogs after autologous transfusion of cryopreserved mononuclear blood cells. 367508
Fliermans, C.B.
Modification of membrane diffusion chambers for deep water studies. (DP – 1455) 367398
Fliflet, A.
A discrete basis set approach to electron-molecule scattering. 358784
Flinn, J.E.
In-reactor deformation of solution annealed type 304L stainless steel. 360078
Stress-affected microstructural development and creep-swelling interrelationship. (HEDL-SA – 1167) 365969
Flinn, W.S.
Control of a nuclear reactor with absorber rods which can be inserted and withdrawn. (German (F.R.) patent document 2337716/C/) 355342
Isolation valve and control system employing the same. 358089
Floh, B.
Evaluation of the irradiation products in the MTR fuel elements of the IEA-R1 reactor. (IEA – 466) 352796
Introduction to the study of the treatment of spent nuclear fuel. (IEA-TI – 41) 351690
Study of the formation of complexes of nitrosyl-rhutenium nitrates with thiourea. (INIS-mf – 4110) 365100
Flohn, H.
Wide range influences on climate by human intervention. Historical survey and future prospects. 367425
Flora, B.S.
Assembly mechanism for nuclear fuel bundles. (US patent document 4,064,004/A/) 379573
Floratos, E.G.
Asymptotic freedom beyond the leading order. 372374
Higher-order effects in asymptotically free gauge theories: the anomalous dimensions of Wilson operators. 364496
Flores-Rueegg, E.
Persistence and distribution of [^{14}C]-lindane residues in coffee plants. 379093
Floriano, M.A.
Simple electrolytes in the mean spherical approximation. III. A workable model for aqueous solutions. 369713
Florkowski, T.
Determination of radiocarbon in water by gas or liquid scintillation couting. 373437
Methods for routine control of tritium concentration in air moisture in the laboratory. 354706
Florov, V.K.
On calculation of the strength of natural filament compositions produced on the basic of carbon steels. 349542
Florsch, A.
Search for large radial velocities in direction of NGP using the Fehrenbach techniques. 369075
Flossmann, K.D.
Measurement of ^{59}Fe nuclear radiation considering particularly liquid scintillation measurements. 374314
Flossmann, W.
The action of ionizing radiation on protein. 378961
Formation of H-addition radicals in some pyrimidine and purine derivatives. 357182
Radical formation in single crystals of hypoxanthine.HCl.$H_2$0, inosine, and the disodium salt of 5'-inosine-monophosphate. 378985
Flournoy, W.G.
Utility needs for codes to perform reactor physics and core follow work. 360903
Flower, D.R.
Theoretical study of the anisotropy of the CO + H_2 potential energy surface in the non-reactive region. 371524
Flower, H.M.
Thinning transformation in β Ti – Mo alloys. 362436

Flowers, B.
Fast reactors and the fuel cycle. 352917
Flowers, E.
Evolution of pulsar magnetic fields. 351010
Flowers, E.G.
Variational calculation of ground-state energy of iron atoms and condensed matter in strong magnetic fields. 351011
Floyd, J.H.
Fuel handling equipment on Hinkley Point 'B' and Hunterston 'B' AGRs. 352681
Flueckiger, E.
Theoretical proton spectra of the cosmic radiation in atmospheric depths 650 g cm^{-2} <= h <= 1.033 g cm^{-2}. 378908
Fluegge, G.
Evidence for the tau → γrhoπ decay mode. 372500
Measurement of the branching ratios for the decays J/PSI (3.1) → fω and J/PSI (3.1) → Bπ. (DESY – 77/50) 364568
Measurement of the branching ratios for the decays J/psi(3.1) → fω and J/psi(3.1) → Bπ. 372506
Measurement of the J/psi radiative decay into $f^0(1270)\gamma$. 377779
Fluekiger, R.
Anisotropy of Hsub (c2) in the chevrel phases. 374692
On the formation and stability of the A15 phase in the niobium-gallium system. 354527
Fluke, D.J.
Radiation biophysical study of biological molecules. Progress report, July 1, 1976 – August 31, 1977. (ORO – 3631-7) 362641
Radiation sensitivity of T1 bacteriophage on various host strain mutants of Escherichia coli. 365363
Flyagin, V.A.
System for SHF plasma heating in the "T-10M" facility. (INIS-mf – 3954) 361485
Flynn, D.S.
High-resolution proton scattering from ^{54}Fe. 354185
High-resolution study of proton resonances in ^{55}Co, ^{59}Cu, and ^{61}Cu. 362061
Flynn, E.R.
Design and performance of a heavy ion detector using a gridded ionization chamber with helical position-sensitive proportional counter. (LA – 6843-MS) 361050
Observation of the proton-pairing vibration in ^{206}Pb. 366963
Proton hole states in ^{187} ^{189} ^{191}Re investigated by the (t(pol),α) reaction. 354205
Proton pairing states observed in the ^{208}Pb(^{3}He,n)^{210}Po reaction. (TID – 27909) 377960
Proton transfer reactions on ^{14}C. (TID – 27909) 378041
Reaction ^{14}C(t,p)^{16}C at 23.0 MeV. (TID – 27909) 377994
Shape transition between N = 40 and 42 in the Ga and Ge isotopes. 378073
Shape transition between N=40 and 42 in the Ga and Ge isotopes. (IPNO-PhN – 77-23) 369514
Single-particle component of the first excited state of ^{211}Bi. 351351
Two-proton excitations at the Z=38 and Z=40 sub-shell closures. (TID – 27909) 377956
Flynn, G.J.
Search for fission tracks from superheavy elements in Allende. 377607
Flynn, G.W.
Deactivation of vibrationally excited SO_2 by O(^{3}P) atoms. 368718
Flynn, K.F.
Fission product yields in monoenergetic neutron fission of ^{238}U. (BNL-NCS – 22500) 356774
Half-life of ^{239}Pu by two independent methods. 351375
Flynn, P.L.
Analytical method for predicting plastic flow in notched fiber composite materials. 357273
Foa, L.
A new fast and programmable trigger logic. 371097
Fock, V.
Geometrization of the Dirac theory of the electron. (N – 77-25909) 368541
Fock, W.
A variable-frequency voltage supply for a monopole mass spectrometer. 379974
Focken, P.H.
New radiopharmaceuticals for adrenal scanning: radioiodine labelled tyramine derivates of heart glycosides and the respective aglycons. 354971
Foell, H.
Self-interstitials, vacancies and their clusters in silicon and germanium. 370215
Foell, W.K.
A hybrid static/dynamic heating technique for the measurement of nuclear Doppler effects. 374384
World energy needs and their impact on nuclear reactor development. (ANL – 77-XX-62) 363686
Foelsche, H.
Stability of high field superconducting dipole magnets. (BNL – 23211) 365734
Foempe, D.
Investigation of the fuel-rod-behavior during the blowdown-phase of a loss-of-coolant-accident. (KFK – 2435) 358178
Foerster, D.
On the structure of instanton plasma in the two-dimensional O(3) non-linear sigma-model. 366265
Foerster, F.
Analysis of destructive materials testing by means of non-destructive electromagnetic methods. Pt. 1. 365773, 365774, 365775
Foerster, K.
An-approach to the on-load surveillance of sodium cooled reactors by acoustic methods. (IWGFR – 10) 363507
Foerster, M.
Set-up for magnetographical fault detection on angular and/or curved surfaces. (German (F.R.) patent document 2556269/A/) 365776
Foerster, S.
Front closure for a heat exchanger, whose heat exchanger matrix is formed from the folds of a strip having even folds. 355273
Method of operating a nuclear power plant with closed working-gas circuit and nuclear power plant for applying the method. (German (F.R.) patent document 2526147/A/) 355659
Foersterling, G.
Use of X-ray primary analysis in the study of mineral and oxidic substances. 354304
Foerthmann, R.
Burn-up particles with oxidic fuel kernels of highly enriched uranium dioxide for spherical fuel elements. 370958
Metallic fission product retention of coated particles with ceramic kernel additives. 365913
Foex, M.
Investigation on the melting point of yttrium oxide (possible secondary temperature standard). 370084
Fofanov, A.A.
Structure of alloying zones of 38KhA and 38KhN3MFA steels and an austenite steel. 375892
Fogel, D.
Digital SLIFER Recorder, Model A. (SAND – 77-0930) 379967
Fogel, M.B.
Thermodynamics of the sine-Gordon fields. 350495
Fogel, Y.M.
Study of processes at helium ion bombardment of thin silver films. 370229
Fogel, Ya.M.
New interpretation of ultrasoft X-ray emission spectrum of argon in the range of 250-270 eV. 377136
Processes occurring in vacuum heating of silver films with helium implanted. (KFTI – 74-47) 354626
Study of the vacuum-UV spectrum of a supersonic krypton jet excited by an electron beam. 353377
Fogel', V.
Study of neutron spectra in the BFS-28, BFS-30, BFS-33 fast critical assemblies using CINI and FEI spectrometers with proportional counters of recoil protons. (FEI – 698) 376643
Fogel', Ya.M.
Mass spectrum of secondary ions knocked-out from copper surface by argon ion beam. 364051
On emission spectra of particles ejected from metal targets by an ion beam. (INIS-mf – 3996) 364012
On the spatial intensity distribution of the continuous spectrum emitted by particles ejected from metals by an ion beam. (INIS-mf – 3996) 364047
Fogel'son, R.L.
Temperature coefficient of linear expansion of Fe-Ni-Mn alloys. 369942
Fogli Muciaccia, M.T.
Strange particle production by antineutrinos. 356505
Foglia, C.
Electron-atom collisions in an electric field in the eikonal approximation. 377010
Fogy, I.
A contribution to the distinction of biogenic vinegar and vinegar made from synthetic acetic acid by determining the specific ^{14}C-radioactivity. 354914
Foin, C.
High spin states in ^{163}Tm. 356761
Intrinsic and rotational levels in ^{167}Lu. 354142
Fok, N.V.
Photochemical transformations of radicals in polyethylene oxide at 77K and their role in destruction processes. 357152
Polymethyl methacrylate break-down during photolysis at 77 deg K. 362271
Fokin, A.B.
Calculation techniques for reactor space kinetics. 376410
Fokin, M.N.
Dissolution of alloy Kh20N80 in sulfuric acid under the action of alternating current. 369823
Polarization effects following electric current action on the system of metal-oxide film (solid electrolyte). (INIS-mf – 4189) 375532
Use of electrochemical methods for investigating mechanism of high-temperature oxidation of metals. (INIS-mf – 4189) 375533
Fokin, V.S.
Spectrochronograph for studies into kinetics of semiconductor luminescence. 348777
Fokina, G.V.
Using some oxyanthraquinones for extraction-photometric determination of cerium(3) and yttrium(3). (INIS-mf – 4192) 378089
Folcher, G.
Kinetics of ligand exchange between a uranium(IV) β-diketonate and free β-diketone. 362233
Uranium(IV)-crown-ether complexes and cryptates. 373004
Folcik-Kokot, L.
Crystal structure of the H(NbIrO) phase. 378784
On superconductivity in the Nb-Ir-O system. 378783
Foley, J.E.
Fission product release calculations from a reactor containment building. 362971

Foley, J.T.
Transportation Environment Data Bank index. (SAND – 75-0248C) 361203
Foley, L.C.
Critical review of the efficacy of /sup 99m/TC pyrophosphate in detecting myocardial infarction in 103 patients. 362793
Efficacy of ^{201}thallium, /sup 99m/Tc phosphates, and /sup 99m/Tc MAA in localizing small myocardial infarctions in the pig. 362794
Folinsbee, J.T.
The electric susceptibility and specific heat of praseodymium magnesium nitrate. 348783
Jahn-Teller antiferroelectric ordering in praseodymium hydroxide. 355981
Folkhard, W.
Small-angle X-ray-scattering investigation and structural-model study of the fatty-acid synthetase from pig liver. 376060
Folkins, J.
Magnetic, optical, and magneto-optical behavior of $LiTbF_4$ and KTb_3F_{10} crystals. (UCRL – 79725) 373346
Folkmann, F.
An absolute measurement of the probability for 1s sigma and 2p sigma excitation of the lead K shell. 377073
Auger decay of Li-like Ne induced by 200-MeV Xe^{31+} impact. 358836, 377124
Characteristic and quasimolecular X-rays from collision systems with $Z_1+Z_2=133$, 134 under single and multiple collision conditions. 353292
Coulomb explosion seen from Auger lines in heavy ion bombardement of C, N and O containing molecules. 358781
Coulomb explosion seen from Auger lines in heavy ion bombardment of C, N and O containing molecules. 377075
Island of high spin isomers near N = 82. (ZfK – 336) 364811
Island of high-spin isomers near N = 82. 367001
X-ray emission in heavy ion-atom collisions: critical impact parameter for target K ionization. 358707, 376970
X-ray emission in heavy ion-atom collisions: K-ionization cross sections. 353188, 376969
X-ray production in heavy-ion atom collisions. (GSI-Pa – 4-77) 348711
Follstaedt, D.
Nuclear spin relaxation in $Au^{51}V$: spin dynamics of a Kondo alloy. (SAND – 77-1803C) 373241
Folomeshkin, V.N.
On some effective mechanism for charmed particle production in neutrino and antineutrino beam. (IFVE-STF – 75-11) 366819
Foloni, L.L.
Investigation on a system to collect water vapor from the air, for the analysis of natural isotopic variation. (INIS-mf – 4106) 364865
Foltz, G.W.
Collisional ionization of Xe(nf) atoms by electron attaching targets. 377006
Effects of state changing collisions in studies of collisional ionization of xenon high Rydberg atoms. 377121
Ionization of xenon atoms in high Rydberg states by collision with molecules. 350612
Fomalont, E.B.
The radio source near NGC 2823. 374907
Fomenko, B.S.
Change in the dibenzyldimethylammonium accumulation by irradiated Streptococcus cells caused by radiation damage modifiers. 367466
Energy-producing system of the membrane potential generation in γ-irradiated Streptococcus faecalis. 362642
Membrane potential of mitochondria from the liver of irradiated rats. 373477
Proton permeability of membranes of Streptococcus faecalis and submitochondrial particles of rats after irradiation. 360256
Fomenko, L.S.
Slip-twinning relationship in indium crystals. 369943
Fomenko, V.S.
Adsorption energy of Cs and K on the surface of refractory carbides. 349570
Electron energy spectrum and physical properties of NbCsub(x). 377281
Fomichenko, K.V.
Activity of DNA-ases and ptoteases in the low-dose-irradiated rat tissues. (INIS-mf – 3912) 373519
Fomichenko, V.G.
Activity of the enzymes of glycolysis and pentosephosphate cycle initial stages during chronic irradiation. (INIS-mf – 3912) 373520
Fomichev, A.N.
Calculation of intense charged particle beam characteristics by means of a continuous model program. (NIIEFA-D – 0208) 355195
Fomichev, V.N.
Radioprotective and radiosensitizing effectiveness of some chemical compounds in vivo under aerobic and anaerobic conditions. 378967
Fomichev, V.V.
Investigation into infrared spectra of crystal molybdates and tungstates of rare earths, yttrium and scandium (the Eh_6MO_{12} composition). 375455
Fomichev, V.Yu.
Electron radiation effects on microhardness and internal friction in iron-nickel alloys. 349588
Fomin, B.I.
Kinetics of phase growth in the thin-film Mo-Al system. 349463
Fomin, I.A.
Magnetization precession in superfluid phases of He^3. 349045
Fomin, I.P.
Determination of spatial distribution of plasma density pulsations on modulation of a reflected wave. 368990
Fomin, V.N.
Effect of edges displacement on the strength of welded joints of thin-walled strong fough steel. 359919
Fomin, V.P.
Observation results of the Cyg X-3 X-radiation source in superhigh energy range ($>10^{12}$ eV). 356230
Fomin, V.V.
Basic problems in reprocessing spent fuel elements of nuclear power plants. 366159
Extraction of indicator quantities of zirconium by di-n-cresylphosphoric acid. 378464
Fomin, Yu.P.
Scram rod drive. (Soviet patent document 451399/A/) 355358
Fomina, L.N.
Structural transformations and electric conductivity in the ZrO_2-Me_2O_3-Cr_2O_3 (Me-Ho, Dy) system. (INIS-mf – 4189) 375501
Thermal behaviour of coprecipitated hydroxides in the ZrO_2-Y_2O_3 system in the Y_2O_3 x $2ZrO_2$ region. (INIS-mf – 4189) 375454
Fomina, N.V.
Tin interaction with organic chlorides in ionizing radiation field. 349355
Fominykh, B.A.
Comparison results of automatic and semiautomatic processing of images from the ITEF 1,5 m spectrometer. 361074
Fominykh, M.I.
Two-parameter gamma-gamma coincidence analysis with the "useful" data selection on both parameters. 358439
Fominykh, V.I.
State special standard for absorption dose unit of X-ray irradiation with maximum photon energy from 3 to 9 fJ (20-60 keV). 376256
State special standard for bremsstrahlung energy flux unit in the range of maximum photon energy 0.8-8.0 pJ (5-50 MeV). 376263
Two-parameter gamma-gamma coincidence analysis with the "useful" data selection on both parameters. 358439
Fomkin, V.A.
The Cherenkov differential counter in a secondary particle beam on the ITEP modified accelerators. (ITEF – 41) 350282
Fomyin, P.Yi.
Vacuum polarization and degeneracy of states in massless abelian gauge theory. 355809
Fon, W.C.
Electron excitation functions for the 2^3S, 2^1S, 2^3P and 2^1P states of helium between the n = 2 and n = 3 excitation thresholds. 374614
Foner, S.
High-field critical current in in situ multifilamentary Cu-Sn-Nb alloys. 367244
High-field measurements of anisotropy of H/sub c/ and effect on grain-boundary flux pinning in V_3Si. 369944
Large-scale applications of superconductivity. 360646
Fong, A.
Electron-muon and electron-hadron production in e^+e^- collisions. 366879
A search for neutral heavy leptons. 356514
Fong, K.W.
CDC 7600 LTSS programming stratagens: preparing your first production code for the Livermore Timesharing System. (UCID – 17557) 371848
LTSS compendium: an introduction to the CDC 7600 and the Livermore Timesharing System. (UCID – 17556) 371847
Fong, L.Q.
Status report: waste incineration and fixation for Waste Management, Production, and Reprocessing Division of the Department of Energy (July – December 1976). (RFP – 2655) 380028
Fong, P.
Scission point configuration of ^{252}Cf fission. 351278
Scission point configuration of thermal-neutron induced fission of ^{235}U. 351272
Fong, R.
Angular diameter counts of galaxies: a method for determining the selection criteria for deep Schmidt plates. 356223
Fonroget, J.
A high resolution computed tomography for nuclear medicine using a multipinhole collimator. (INIS-mf – 4010) 363555
Multiplex recording using a gamma camera for tomographic imaging by numerical deconvolution and its application to radionuclide dynamic studies. (INIS-mf – 4010) 363564
Fonseca, H.
Effect of gamma radiation (^{60}Co) on the organoleptic and nutritive properties of common beans (Phaseolus vulgaris L., cv. mulatinho). (CENA-BC – 018) 354759
Martensite transformations influence in austenite stainless steel fractures. (COPPE-TP – 9/76) 365149
Fontaine, G.
Observation of jet structure in high psub(T) events at the ISR and the importance of parton transverse momentum. 353956
Some properties of very low temperature, pure helium surface layers of degenerate dwarfs. 372128
Fontaine, J.P.
Setting up problems raised by construction of the EDF-Eurodif complex. 361158
Fontaine, R.
Temperature effect on the yields of heavy products during the

radiolysis of n-hexane by accelerated electrons. 354421
Fontana, E.
Acoustic emission measurements during the first pressure vessel hydrotest at ENEL – Caorso BWR. 365858
Fontana, M.H.
Dynamic boiling tests in a 19-pin simulated LMFBR fuel assembly. (CONF-771109 – 77) 379822
Edge blockage in a 19-pin sodium-cooled bundle. (CONF-771120 – 8) 373823
Edge blockages in 19-pin sodium-cooled bundles. 352235
Maximum wake temperature and Nusselt number behind blockages in sodium-cooled bundles. (CONF-771109 – 78) 379763
Thermal-hydraulic correlations of a six-channel blockage in a sodium-cooled simulated LMFBR fuel assembly. (CONF-761001 – P4) 362943
Fontanelli, F.
Analysis of the $\omega\pi^-$ system produced in the reaction $\pi^-p \rightarrow \pi^-\pi^-\pi^+\pi^0 p$ at 11.2 GeV/c. 353965
Fonte, G.
A convergent algorithm for nuclear structure calculations. 355836
Fonti, L.
Automatic analysis of BEBC pictures using the flying spot digitizer. 355497
Foo, E.N.
Analysis of the electron and metastable densities in a helium afterglow. 353237
Fookes, R.A.
Determination of ash content of coal by mass absorption coefficient measurements at two X-ray energies. 376271
Foote, H.P.
Multicomponent mass transport model: theory and numerical implementation (discrete-parcel-random-walk version). (BNWL – 2127) 365250
Foote, J.H.
Streaming-plasma measurements in the Baseball II-T mirror experiment. (UCRL – 52279) 356104
Foote, V.
Multichannel Thomson scattering apparatus. (PPPL – 1356) 356090
Forbes, J.M.
Atmospheric solar tides and their electrodynamic effects. 373457
Forbis, J.M.
Operation of selected safety features of the Fort St. Vrain HTGR. 358262
Forchhammer, P.
Fracture studies and detection of causes of failure. Problems with ferrous materials. 349491, 349511
Forchn, T.
Study on ^{34}Cl states excited in the $^{32}S(^3He, p)^{34}Cl$ reaction. 377974
Ford, A.L.
Deflection effects in inner-shell ionization. 358839
Hydrogen-atom excitation and ionization by proton impact in the 50- to 200-keV energy region. 358740
K-shell hole production by light ions in the region $eta^{1/2} <$ or approx. = 1 . 350613
Ford, D.
Overview of the nuclear controversy. 373818
Ford, D.H.
The effect of naloxone and morphine on ^{3}H-1-lysine in vivo incorporation into various neurons separated from fixed rat brain preparations by ultrasonification: A comparison of morphine effects betWeen wistar and Sprague-Dawley rats. 357622
Ford, H.L.
Filtration aids in uranium ore processing. 362331
Ford, H.W.
Building 431 fire tests. (UCID – 17585) 377329
Ford, J.
Nuclear reactor fuel element sub-assemblies. (UK patent document 1478985/A/) 350161
Ford, J.L.C. Jr.
Strong effect of isospin mixing in ^{16}O. 364831
Ford, K.L.
Assembly mechanism for nuclear fuel bundles. (US patent document 4,064,004/A/) 379573
Ford, L.H.
Infrared divergences in a class of Robertson-Walker universes. 359085
Nuclear fuel coated particle development in the reactor fuel element laboratories of the U.K. Atomic Energy Authority. 365903
Quantized gravitational wave perturbations in Robertson-Walker universes. 372167
Ford, M.R.
Distribution of dose within the body from a photon emitter present in an organ. 360349
Dose to the stomach wall from injected /sup 99m/Tc pertechnetate. (ORNL – 5171) 367567
Dose-conversion factors for some fission products. (ORNL – 5171) 367594
Estimates of photon dose to the gonads per microcurie-day as a function of the source organ and the age of the individual. (ORNL – 5171) 367601
Maximum permissible concentration (MPC) values for spontaneously fissioning radionuclides. (ORNL – 5171) 367566
Ford, N.L.
A new position-sensitive detector for thermal and epithermal neutrons. 374332
Ford, T.
Separation of solar and interplanetary diffusion in solar cosmic ray events. 366697
Ford, W.E. III
Measurement and calculation of secondary gamma rays resulting from exposure of Fe, Pb, and H_2O to the ARERR-1 spectrum. (ORNL/TM – 5678) 356540
Ford, W.L.
An experimental comparison of radioactive labels with potential application to lymphocyte migration studies in patients. 365473
Fore, C.S.
Environmental aspects of the transuranics: a selected, annotated bibliography. (ORNL/EIS – 91/V8) 357529
Foreman, P.B.
Collisional energy dependence of Penning ionization and dissociative fluorescence of CS_2 by metastable argon. 368630
Forest, T. de
Contributions of meson-exchange currents to inelastic electron scattering. (INIS-mf – 4267) 377725
Forester, J.P.
High resolution studies of extensive Ne L-shell excitation by energetic heavy ion impact. 358849
Recoil ion spectroscopy in the XUV – soft X-ray region following heavy ion impact on thin gas targets. 358825
Studies of neon L-shell excitation by impact of highly ionized heavy ions. 358824
Forester, J.S.
Measurement of direct and 2p-vacancy transfer contributions to K-shell ionization cross sections. 353313
Forghani, B.
Radioimmunoassay of Herpes simplex virus antibody: correlation with ganglionic infection. 357683
Forino, A.
Cross-sections and multiplicity distributions for π sup(-)p interactions at 11.2 GeV/c. 369278
Study of $A_2^- \rightarrow$etapisup(-) in the reaction pisup(-)p$\rightarrow$pisup(-)pisup(-)pisup(+)pdegp at 11.2 GeV/c. 369279
Forker, M.
Investigation of the impurity hyperfine field polarization in polycrystalline rare earth ferromagnets. 350746
Forli, C.
Assessment of regional cerebral blood flow by continuous carotid infusion of krypton-81m. 373656
Forman, N.
Towards a more conservative energy policy. 366133
Forman, P.
Atom smashers: fifty years preview of an exhibit on the history of high energy accelerators. 363224
Forman, P.R.
Electro-optical frequency shifting of lasers for plasma diagnostics. (IPP – 1/166) 353548
Formanek, J.
Is description of the deuteron as two nucleon bound state good enough. 369423
Formby, J.
An experimental determination of the retention of submicron particles in fibrous materials. 360523
Fornai, E.
Imaging of pulmonary ventilation in asthma assessed with continuous inhalation of krypton-81m. 354931
Fornalik, J.
EPR investigation of color centers induced in gamma-irradiated alkali borate glasses. 379878
Fornberg, B.
Numerical study of 2-D turbulence. 358872
Forney, J.J.
Choice of gauge in two-photon transitions: 1s-2s transition in atomic hydrogen. 366319
Foroughi, F.
Alpha-alpha final-state interaction in the $^6Li(\alpha,\alpha d)$ reaction at 42 MeV. 354160
Forrest, B.G.
Risk management and the nuclear fuel cycle. 365101
Forrest, G.
Remote disconnect of 87" diameter Conoseal joint applied to pressure vessel closures. 379550
Forrest, J.
Silver-110 microgram sulfate analysis for the short time resolution of ambient levels of sulfur aerosol. 364866
Forrest, J.S.
The breeder reactor. Proceedings of a meeting at the University of Strathclyde, 25 March 1977, sponsored by the University of Strathclyde and the Highlands and Islands Development Board. 370553, 371005, 371009, 371010, 371017, 371025, 371054, 371185, 371230, 374249
Forrest, M.J.
Measurement of magnetic fields in a tokamak using laser light scattering. 374818
Fors, C.
Transfer of deuterium from [1R-^{2}H]- and [1S-^{2}H] ethanol to reduced metabolites formed in vivo. 352093
Forsberg, C.W.
Separation of radioactive krypton from carbon dioxide and oxygen with molecular sieves. (ORNL/TM – 5826) 366076
Theoretical analysis and preliminary experiments on the feasibility of removing CO_2 containing ^{14}C selectively with a $Ca(OH)_2$ slurry from a ^{85}Kr-contaminated HTGR reprocessing plant off-gas stream. (ORNL/TM – 5825) 374410
Forsblom, I.
Use of the $^{27}Al(p,\gamma)^{28}Si$, Esub(p) = 992 keV resonance as a gamma-ray intensity standard. 370685
Forsen, H.K.
Multiple particle type interaction isotopically selective ionization.

363058
Research and development prospects for the atomic uranium laser isotope separation process. Research report 442. (CONF-761109 – 13) 357854
Forslund, D.W.
Magnetic field generation by resonance absorption of light. 364171
Theory of hot-electron spectra at high laser intensity. 350842
Forslund, K.
Debris in Sweden from the low-yield nuclear tests performed by the Peoples Republic of China on November 18, 1971 and January 7, 1972. (FOA-C – 40068) 376045
Forst, D.
The execution of the KNK-II project from the producer's point of view. 376566
The influence of backfitting in the KNK II licensing procedure. 371021
The producer's experiences in converting the KNK into a fast reactor KNK II. 371024
Forster, G.A.
Signal analysis method using cross-correlation of turbulence flow signals to determine calibration of permanent magnet sodium flowmeters. (CONF-771023 – 23) 379802
Forster, H.P.
Apparatuses for the dissolution of resistent nuclear fuel for analytical sample preparation. 367022
Automatic preparation of irradiated nuclear fuel solution samples for analytical purposes. 354473
Forster, J.R.
Accurate H_2O source positions in W3. 351012
Forsyth, E.B.
Cryogenic engineering for superconducting power transmission systems. 360619
Forsyth, P.D.
Coulomb excitation of ^{135}Ba. 356852
Relative measurement of the quadrupole moments of the first excited states of the even isotopes of Ru, Pd and Cd. 366995
Fort, J.
Velocity dependence of the Penning and associative ionization cross sections of H atoms by He(2^3S) and He(2^1S) atoms. 353238
Velocity dependence of the Penning and rearrangement ionization cross sections of H_2 molecules by He (2^3S) and He (2^1S) atoms. 353239
Fortak, H.
Thermal pollution of the atmosphere, in particular due to power plant parks. (INIS-mf – 4097) 365550
Fortescue, P.
Comparative breeding characteristics of fusion and fast reactors. 350843
Gas-cooled fast breeder reactors and symbiosis with thermal reactors. 352743
Forth, H.-J.
Boundary conditions for cryopumping in fusion machines of the Tokamak type. 358970
Description of the cryopumps and cryogenic ancillary equipment as proposed for JET. 358943
Refrigerator cooled 20 K cryopump with adsorption panels. 360620
Fortier, S.
Deeply bound hole states and isobaric analog states in ^{89}Zr. 354191
Neutron-hole strengths and isobaric analog states in ^{93}Zr. 354190
Spectroscopic study of ^{55}Co via the ^{54}Fe(tau,d)^{55}Co and ^{54}Fe(tau,dp(tilde))^{54}Fe reactions. 354186
Fortin, X.
Relativistic effects on electromagnetic wave propagation in a cold inhomogeneous electron plasma. 371762
Fortini Baroni, L.
Interaction of gravitational radiation with a uniformly magnetized sphere. 353067
Fortini, P.
Interaction of gravitational radiation with a uniformly magnetized sphere. 353067
Fortner, R.J.
L-shell x-ray cross sections for Cl-Ar and Ar-Ar collisions. 350665
Measurement of x-rays emitted from projectiles moving in solid targets. 371482
Production of inner-shell vacancies in slow ion-atom collisions for projectiles Z > = 10. 377011
The production of K-shell vacancies during collisions of 50-1200 keV Nesup(n+) → Ne for n = 1, 2, 3 and 4. 361361
Fortney, L.R.
Investigation of π^+Ne and π^-Ne interactions at 10.5 GeV/c. 372541
Fortuna, G.
A Ksup(π)=4^- rotational band in ^{48}V. 356838
Fortune, H.T.
^{34}Cl via the ^{32}S(^{3}He,p) reaction. 351334
Alpha transfer to 4p-4h states in ^{40}Ca. 372708
Location of 0^+ 4p-2h and 6p-4h configurations in ^{42}Ca. 372753
Neutron pickup on ^{93}Nb. 354242
Spectroscopy of ^{16}C. 356762
Spins in ^{19}O from ^{13}C(^{7}Li, p)^{19}O. 372751
Study of ^{78}As with the ^{80}Se(d,α) reaction. 356839
Study of the ^{14}N(^{7}Li, p)^{20}F reaction. 372752
Study of the ^{84}Sr(α, p) reaction. 372793
Upper limit for the presence of superheavy elements in monazite from Madagascar. 351392
1^+ and 0^+ states in ^{90}Y. 369475
Forys, M.
Rare gas sensitized radiolysis of hydrogen sulfide in the presence of butadiene. 351638
Fosbury, R.A.E.
Spectroscopic observations of the X-ray nova A0620-00. 349036
Foshina, M.
Analysis of intermediate-energy (γ,n) reactions in complex nuclei. (CBPF – A0026/77) 364671
Foss, M.
Pellet fusion by high energy heavy ions. 363176
Fossati, A.
Tolerance to Septoria nodorum in wheat: Evaluation of the infection and selection method and the mutagenesis programme. 373704
Fossati, F.
Charge distribution in the fragments of spontaneous fission of ^{252}Cf. 356675
Fossen, W.F.
Integrity of P/M forged Ni – Mo steels determined by fracture toughness. 362438
Fossoul, E.
Plutonium use – Present status and prospects. 365824
Fossum, A.F.
Data input manual for RSI/TEVCO: a thermo/viscoelastic finite element computer program. (Y/OWI/SUB – 77/22303/6) 351921
Data input manual for RSI/TRANCO: a finite element heat conduction computer program. (Y/OWI/SUB – 77/22303/1) 351920
Design aspects of the alpha repository: IV. Structural analysis of excavation geometries. Technical memorandum report RSI-0030. (ORNL/SUB – 4269/11) 352882
Structural behavior of progressively mined solution cavities in salt. (Y/OWI/SUB – 77/22303/P1) 366094
Foster, A.B.
Applications of deuterium labeling in studies of drug metabolism: metabolism of trideuteroaniline mustard. 351482
Foster, B.E.
Method of simulating spherical voids for use as a radiographic standard. (US patent document 4,028,545/A/) 374101
Post-test examination of a 30-MW sodium-to-sodium intermediate heat exchanger. (CONF-760503 – P2) 352747
Study of x ray and isotopic techniques for boreside radiography of tube-to-tubesheet welds. 352428
Foster, C.A.
Production of uniform micropellets of hydrogen and hydrogen pellet injection on ORMAK. 371849
Solid hydrogen pellet injection into the ORMAK tokamak. 348914, 361535
Foster, D.
Planning for nuclear power. 352542
Foster, E.H.
Radioactive syringe shield having retentive bushing. (US patent document 4,062,353/A/) 379463
Foster, E.R.
Effective refueling outage management: a necessity for improving plant availability. 358181
Foster, G.
Electron impact 1s → 2s excitation of atomic hydrogen in the exchange-corrected eikonal approximation. 353240
Foster, H.R.
Radiative detection of single-phase and spin-echo nuclear magnetic resonance. 356074
Foster, J.
Conformal structure of I^+ and asymptotic symmetry. 368542
Foster, J.C.
Electron fluxes over the polar cap 2. Electron trapping and energization on open field lines. 370293
Foster, J.P.
Void swelling and irradiation creep relationships. 360062
Foster, J.S.
CANDU – Canadian experience and expectations with the heavy-water reactor. (AECL – 5707) 360937, 365963
Future developments in CANDU. 358273
The future for CANDU. (AECL – 5842) 365962
Foster, K.W.
Clinch River Breeder Reactor Project fuel handling development program. 379757
Fotedar, H.L.
Effect of fast neutron irradiation on the mechanical and structural properties of niobium. 351900
Effects of entropy in plastic deformation. 351856
Entropy effects in thermally activated deformation. (IEA – 410) 354508
Increase in the corrosion resistance through precipitation in zircalloy – 4. 351793
Foteev, N.K.
Decreasing residual internal stresses in surface layer of electro-erosion machined parts. 349390
Fothergill, J.R.
Liquid metal cooled nuclear reactors. (UK patent document 1488478/A/) 376556
Foti, A.
Researches with the tandem and the synchrotron. Chapter 1. (CEA-N – 1959) 354172
Study of some ^{16}O states at high excitation energy. 362049
Foti, G.
Amorphous-polycrystal transition induced by laser pulse in self-ion implanted silicon. 355982
Channeling and extended defects in crystals. (INIS-mf – 3996) 364013
Dechanneling by twins. 366411
Laser pulse energy dependence of annealing in ion implanted Si and GaAs semiconductors. 377276

Foti, S.C.
Ashing of vegetation for the determination of ^{131}I. 364867
Fotiev, A.A.
Chemical preparation and properties of new complex orthovanadates $M_3^+ M^{3+} (VO_4)_2$ and $M_2^+ M^{4+} (VO_4)_2$. 351488
Determination of formation heats of Msub(x)V_2O_5 oxide vanadium bronzes of potassium and lithium of β type. 369691
Formation heat of β-Nasub(x)V_2Osub(-) type oxide sodium-vanadium bronze. 378370
Formation of strontium vanadite in $SrCO_3$ – 2VOsub(1.5) system. 351589
Investigation into processes of interaction of calcium carbonate and calcium metavanadate with vanadium oxides. 378433
Phase composition and phase diagrams of $Mg_3(VO_4)_2$-$Sr_3(VO_4)_2$, $Mg_3(VO_4)_2$-$Ba_3(VO_4)_2$ systems. 359602
Synthesis and thermal properties of monocrystals of oxygen vanadium bronzes of the Msub(x)Vsub(12)Osub(30+-y) type. 365010
Fouan, J.P.
Recent studies of high-spin states in the fp-shell nuclei. 356693
Fouche, K.F.
Chemistry in the reprocessing of spent nuclear fuels. (INIS-mf – 4203) 375743
Foucher, R.
Deformed-quasiparticle basis for calculating potential energy surfaces and nuclear spectra. 364698
Spherical and deformed descriptions of the $9/2_1^-$ level. (ZfK – 336) 364763
Fougeron, C.
rf system of SATURNE II. 363225
Foukal, P.V.
Effect of sunspots and faculae on the solar constant. 361696
Foulkes, F.M.
The Cordoba and Wolsung projects: a progress report. (AECL – 5840F) 365958
Foulquier, L.
The agricultural use of heat discharge by nuclear power plants. 354991
Fourest, B.
Sodium fire studies in France safety tests and applications on an LMFBR. (CONF-761001 – P4) 362922
Fourie, P.J.
Labelling of compounds for in vivo and in vitro nuclear medical diagnostic applications. (INIS-mf – 4203) 375636
Fournet, G.
External field effects on current distribution in multifilamentary composites. 359921
A new technique for measuring a.c. losses in multifilament superconductors. 359971
Self-field losses of superconducting multifilamentary composites. 359920
Fournier, C.
Utilization and performance of sodium instrumentation during start-up and initial operation of PHENIX. (CONF-760503 – P2) 352768
Fournier, P.G.
Relative lifetimes of five quasi-bound states of HeH^+. 358714
Fournier, P.R.
Collisional depopulation of Rydberg P states of rubidium at thermal energies. 377021
Fournier, R.
Effect of purity, prestrain, and cooling rate on hydrogen strengthening in niobium single crystals. (COO – 1676-45) 373138
Fourrier, C.
Langmuir probe measurements in the negative glow of a sputtering DC charge. 377236
Fouse, G.W. Jr.
Development of methods for determining organic free radical structures by electron spin resonance and application to the radiation chemistry of nucleic acid model compounds. (UR/3490/LCP – 6) 378511
Fouty, W.J.
Efficacy of preoperative and postoperative bone scanning in the management of breast carcinoma. 362772
Fowler, C.M.
Future pulsed magnetic field applications in dynamic high pressure research. (LA-UR – 77-1566) 357918
Fowler, E.
Synergistic tumorigenic effect of procarbazine and ionizing radiation in (BALB/c x DBA/2)F_1 mice. 357574
Fowler, E.B.
Statistical analysis and design of environmental studies for plutonium and other transuranics at NAEG "Safety-Shot" sites. 349625
Fowler, E.C.
The cross section for the production of massive electron pairs and the UPSILON(9.5 GeV) in proton-proton collisions at the CERN ISR. 369367
Renewal proposal for research on nucleon structure and sub-nucleonic components. Progress report, June 1, 1977 – January 31, 1978. (COO – 1428-440) 364577
Study of photons produced simultaneously with the J/psi particles at the CERN Intersecting Storage Rings. 377794
Fowler, E.E.
Method and composition for removing iodine from gases. 362332
Fowler, G.N.
Possible evidence for coherence of hadronic fields from Bose-Einstein correlation experiments. 353805
Fowler, J.D.
Tritium diffusion in Al_2O_3 and BeO. 362490
Fowler, J.L.
General review of quality assurance system requirements. The utility or customer requirement. 376433
Fowler, J.S.
Radiopharmaceuticals. XXVII. ^{18}F-labeled 2-deoxy-2-fluoro-D-glucose as a radiopharmaceutical for measuring regional myocardial glucose metabolism in vivo: tissue distribution and imaging studies in animals. 373600
2-methyl-3-butyn-2-ol as an acetylene precursor in the Mannich reaction. A new synthesis of suicide inactivators of monoamine oxidase. 372958
Fowler, M.
Formation of ^{24}Na in 'fission-like' reactions. 354209
Fowler, M.M.
Search for superheavy elements in the bombardment of ^{248}Cm with ^{48}Ca. 351372
Fowler, P.H.
Giant haloes in mica. 357462
High resolution study of nucleonic cosmic rays with Z >= 34. 368290
Measurement of the cosmic ray element abundances between approximately 300 and approximately 750 MeV/N in the region from nickel to krypton using Lexan track detectors. 368291
Ultra heavy cosmic ray nuclei – analysis and results. 368289
Fowler, R.H.
Neutron time behavior for deuterium neutral beam injection into a hydrogen plasma in ORMAK. (ORNL/TM – 6035) 368941
Fowler, S.W.
Biokinetics of ^{237}Np in mussels and shrimp. 367572
Fowler, T.B.
Reference test problems for the VENTURE neutronics and related computer codes. (ORNL/TM – 5887) 352455
VENTURE: a code block for solving multigroup neutronics problems applying the finite-difference diffusion-theory approximation to neutron transport, version II. (ORNL – 5062/R1) 371058
Fowler, T.K.
Fusion devices. (UCRL – 80060) 377402
Magnetic mirror fusion program. (UCRL – 80261) 377403
Fowler, V.L.
Krypton absorption in liquid CO_2 (KALC): Campaign III in the Experimental Engineering Section Off-Gas Decontamination Facility. (ORNL/TM – 5655) 368368
Fowler, W.
Super magnets for interaction regions. (ANL-HEP-PR – 77-72) 370737
Fowler, W.A.
CRSEC: a general purpose Hauser – Feshbach code for the calculation of nuclear cross-sections and thermonuclear reaction rates. (UCID – 17600) 372689
Helium (3) rich solar flares. (LA-UR – 77-1055) 361680
Fowler, W.B.
Energy Doubler/Saver at Fermilab: a status report. (CONF-770709 – 11) 363226
Fox, D.L.
High temperature Raman spectroscopy of silver tetratungstate, $Ag_8W_4O_{16}$. 365212
Fox, G.C.
Correlations among particles and jets produced with large transverse momenta. 356411
Phenomenology of asymptotically free theories in deep inelastic scattering. I. 372412
Fox, J.D.
Charge distributions of sulfur ions at energies between 70 and 140 MeV. 361391
Evidence for the tau → γrhoπ decay mode. 372500
Measurement of the branching ratios for the decays J/PSI (3.1) → fω and J/PSI (3.1) → Bπ. (DESY – 77/50) 364568
Measurement of the branching ratios for the decays J/psi(3.1) → fω and J/psi(3.1) → Bπ. 372506
Measurement of the J/psi radiative decay into $f^0(1270)\gamma$. 377779
Fox, J.E.
Materials for primary circuit components in advanced gas-cooled reactor systems. 360924
Fox, J.G.
Fast neutrons from a 25-MeV betatron. 352418
Fox, K.
Recursion relations for rapid computation of rotation functions. 350504
Fox, M.E.
Stresses from pressure, radial, and moment loads in cylinder-to-cylinder vessel by a finite plate method. (CONF-770807 – 25) 363394
Fox, N.
On the fountain effect in liquid helium II. 364439
Fox, R.L.
Isotope enrichment by aerodynamic means: a review and some theoretical considerations. 379363
Foy, M.F.
A stream sediment orientation programme for Uranium in the Alligator River Province, Northern Territory, Australia. 373399
Foy, R.
Behaviour of microturbulence with evolution. 369076
Fraas, A.P.
Nuclear thermionic power plant integration problems. (ORNL-TM – 1429) 374287
ORNL fusion power demonstration study: fluid flow, heat transfer, and stress analysis considerations in the design of blankets for full-scale fusion reactors. (ORNL/TM – 5960) 377404

Frabetti, P.L.
Use of a MWPC in a big magnetic spectrometer as a counter hodoscope for fast majority discrimination. 379873
Frache, R.
Ion-exchange separation and spectrophotometric determination of trace amounts of niobium in silicate rocks. 359562
Frackowiak, M.
Hyperfine structure in intermediate coupling of the first excited electron configuration $6p^2 7s$ of $_{83}{}^{209}Bi$ (I = 9/2). 363993
Fraczek, E.
Filtration velocity determination by borehole dilution method in Rajasthan. 370273
Radiotracer experiment for effective porosity determination of quaternary aquifer at Setalao, Rajasthan. 370278
Fradin, F.Y.
Electron and phonon properties of A-15 compounds and Chevrel phases. 373187
Fradin, J.
Drop test of a hundred-tonne packaging for the shipment of irradiated fuel – Deformation calculated by a computer code and experimental verification. 350015
Fradin, Pierre
Improvements to nuclear reactors. 360804
Fradkin, E.S.
Conformally invariant solution of quantum field equations. II. 353074
Hamiltonian formalism, quantization and S matrix for supergravity. 371374
Quantization of relativistic systems with boson and fermion first- and second-class constraints. 377726
Fradkin, G.M.
Radioisotope batteries. 349943
Fradkin, M.I.
Observation of solar cosmic rays during the flare of April 29, 1973. 356182
Production of multicharged nuclei on the Sun. 356277
Some specific features of redundant radiation at altitudes of 200-300 km. 357539
Fradkina, T.E.
Quantization of relativistic systems with boson and fermion first- and second-class constraints. 377726
Fradkov, A.B.
Fabrication of targets from solid hydrogen for laser thermonuclear fusion. 374838
Fraenkel, Z.
Compound transfer and direct transfer reactions induced by ^{17}O on ^{13}C. 372728
Direct measurement of prompt neutrons emitted in fission of ^{226}Ra by 12 MeV protons. 364770
Elastic scattering of ^{17}, ^{18}O on ^{12}, ^{13}C at Esub(c.m.) = 12.6-14.0 MeV. (WIS-Ph – 77/16) 366969
Prompt γ rays emitted in fission of ^{226}Ra by 12 MeV protons. 364771
Total fusion cross sections for ^{18} ^{17} ^{16}O + ^{27}Al at energies near the Coulomb barrier. 366972
Total fusion cross sections for ^{18}, ^{17}, ^{16}O+^{27}Al at energies near the Coulomb barrier. (WIS-Ph – 77/19) 366932
Fraga, E.F.R.
Moessbauer effect in iron doped carbonates. 353415
Fraga, E.R.
Perturbed angular correlation measurements in $BaHfO_3$-II. 365005
Fragu, P.
Automatic measurement of radio-isotope uptake in the organs by numeric scintigraphy (applied to the thyroid). 360390
Fraikin, G.Y.
Repair of 313-nm induced lesions and photoprotection in yeast Candida guilliermondii. 357565
Fraisse, R.
Magneto-optical resonance in ferromagnetic gadolinium. 356033
Optical constants of gadolinium at various temperatures from polarimetric measurements. 356034
Fraizier, A.
Plutonium diffusion in the marine environment: a quantitative study on marine species of the channel shores, from Brest to Honfleur. 360367
Frajkin, G.Ya.
Effects of photoprotection and reversible inactivation of the yeast Candida guilliermondii, induced by 313 nm light. 349695
Fraley, S.K.
Monte Carlo heat conduction using the transport equation approximation. (CONF-771109 – 54) 373990
Monte Carlo method of solving heat conduction problems. (ORNL/NUREG/CSD – 3) 379428
Monte Carlo time-dependent heat conduction with convective boundary conditions. 360592
Frampton, P.H.
Model for scaling violation. 359247
Frana, J.
Application of instrumental neutron activation analysis in determining additions and impurities in copper from archeological finds. (INIS-mf – 4143) 372897
Determination of micro-alloying additions and trace elements in standard steels by neutron activation analysis. (INIS-mf – 4143) 372844
Determination of the chemical composition of glauconites by instrumental neutron activation analysis. (INIS-mf – 4143) 372900
Determination of trace elements in soils by instrumental activation analysis. (INIS-mf – 4143) 372899
Determination of trace elements in the atmosphere. (INIS-mf – 4143) 372898
Experience with peak shape correction. (INIS-mf – 4143) 374316
Neutron activation analysis of residual amounts of rare earth metals in steels. 378097
Nonferrous metal determination in steels and slags by neutron activation analysis. (INIS-mf – 4143) 372843
Possibilities of instrumental activation analysis in Nuclear Spectroscopy Department of the Institute of Nuclear Physics of the Czechoslovak Academy of Sciences. (INIS-mf – 3961) 349177
Processing the results of activation analyses. (INIS-mf – 4143) 372854
Franc, L.
Stilbene crystal scintillation spectrometer. 350303
Franca Junior, J.M.
Industrial pulse columns design for uranium purification of nuclear grade, by the indirect HTU method. (IEA – 343) 351691
Tetrafluoride uranium pilot plant in operation at IEA, using the moving bed process. (IEA – 381) 357015
Franche, R.
Determination of trace amounts of zirconium in silicates by cation-exchange chromatography and spectrophotometry with xylenol orange. 364890
Francia, I.
Repair of DNA in living cells Part 1. 365346
Francioni, W.M.
Pilot incineration plant for solid, combustible, and low-level wastes. (ORNL-tr – 4510) 380011
Francis, H.W.
The insurance of nuclear installations. 350431
Francis, J.E. Jr.
Data acquisition system for PLT Neutral Beam Test Stand. (CONF-771029 – 18) 371850
Francis, J.M.
Public acceptance of nuclear power. Some ethical issues. 370520
Francis, M.H.
Dynamical implications of Si IV line profiles from OSO-8 observations. 372126
The Si IV lambda 1393 line in a coronal hole compared to the quiet Sun from OSO-8 observations. 353679
Francis, M.J.O.
An assay for plasma somatomedin: [^{3}H]thymidine incorporation by isolated rabbit chondrocytes. 349803
Francis, P.W.
Strontium isotope data for recent andesites in Ecuador and North Chile. 378852
Francis, T.M.
A unified method of measuring beta and photon radiations for radiation protection purposes. 360550
Franck, J.V.
SCR series switch and impulse crowbar at the Lawrence Berkeley Laboratory for CTR neutral beam source development. (LBL – 6382) 377405
Franck, W.A.
Allotransplantation of the lung without immunosuppression after transplantation. II. Combined autotransplantation of bone marrow and allotransplantation of lung. 367484
Francke, R.E.
Study of processes in a helium plasma using a dye laser. 364196
Franco, I.J.
On the origin of dark spaces in plasmas. 356151
Franco, M.A.A.
Study of chromium oxyhydroxide (β-CrOOH) by neutron diffraction. 371660
Franco, V.
High-energy heavy-ion scattering and the optical phase shift function. 359398
Pauli correlations in heavy-ion collisions at high energies. 375109
Francois, E.
Use of radiolanthanides in physiology of animal nutrition. 379180
Francois, H.
Dosimetry of cosmic particles in nuclear emulsions for the Apollo 16, 17 and Apollo-Soyouz-test-project experiments (1972-1975). 360541
Francois, M.
Influence of spin on second sound in superfluid ^{3}He-^{4}He mixtures. 359205
Francois, T.
Search for strangeness changing neutral currents induced by neutrinos in GARGAMELLE. 361875
Francy, W.J.
Sequence of operations: TFTR assembly and disassembly. (WFPS-TME – 028) 366537
Franek, B.
Partial-wave analysis of $K^-p \rightarrow \pi^0 A(1520)$ between 1710 and 2170 MeV c.m. energy including new data between 1775 and 1960. 372507
Franek, K.
Primary carcinoma of fallopian tubes in the material of the Institute of Oncology in Gliwice. 367521
Franek, W.J.
Fort St. Vrain core performance. (GA-A – 14527) 358258, 358259
Franenberg, H.
Use of methods of optimizing hot water pipeline networks for some concrete examples. 355657
Franiv, O.V.
Conductivity type inversion in CdSsub(x)Tesub(1-x) affected by a high pulse of ruby laser radiation. 374763
Frank-Kamenetskij, A.D.
Data preparation for calculations with the Monte-Carlo method on the base of the 26-group constant system. (IAE – 2526) 361222

Frank, A.I.
New measurements of spin-electron angular correlation in polarized neutron decay. (INIS-mf – 3895) 354180
Frank, A.L.
Radon and daughter measurements with active and passive devices using track etch detectors. (HASL – 325) 378911
Radon dosimetry using plastic nuclear track detectors. 376623
Frank, E.G.
Multi-technique characterization of neutron fields from moderated ^{252}Cf and ^{238}PuBe sources. (UCRL – 79483) 370689
Frank, F.J.
Method and apparatus for monitoring flux deviations in a nuclear reactor. (US patent document 4,069,097/A/) 379653
Frank, I.M.
IBR-2-the periodically pulsed reactor for neutron investigations. (INIS-mf – 3946) 356682
Frank, L.F.
Apparatus for obtaining radiographs. (US patent document 4,047,031/A/) 367988
Frank, M.L.
Bioaccumulation, distribution, and dose of ^{241}Am, ^{244}Cm, and ^{238}Pu in developing fish embryos. 370428
Frank, M.V.
Coupled fission gas release and molten fuel motion model for slow overpower transients. 352226
Frank, R.
Boundary conditions for cryopumping in fusion machines of the Tokamak type. 358970
Description of the cryopumps and cryogenic ancillary equipment as proposed for JET. 358943
Determination of mass flow rate and quality using a turbine meter and a venturi. 376511
Fracture studies and detection of causes of failure. Problems with ferrous materials. 349491, 349511
Refrigerator cooled 20 K cryopump with adsorption panels. 360620
Seal for an X-ray window. (German (F.R.) patent document 2513894/B/) 370679
Frank, R.G.
Materials for primary circuit components in advanced gas-cooled reactor systems. 360924
Frank, S.G.F.
Measurement of differential cross sections for elastic K$^+$p scattering in the momentum range 0.7 to 1.9 GeV/c. 372511
Frank, T.G.
Commercial applications of inertial confinement fusion. (LA – 6838-MS) 348889
Frank, W.
Anisotropy and angular distribution of quasimolecular K X-radiation emitted in Ge+Ge collisions. 355871
Far-infrared spectrum of irradiated polyethylene. 378512
Internal friction peaks due to dislocation relaxations in plastically deformed and/or irradiated high-purity α-iron. 1. 348792
Radiation damage in metals and its investigation by means of transmission electron microscopy. Pt. 1. 374707
Self-interstitials, vacancies and their clusters in silicon and germanium. 370215
Franke, G.
Evidence for the tau → γrhoπ decay mode. 372500
Measurement of the branching ratios for the decays J/PSI (3.1) → fω and J/PSI (3.1) → Bπ. (DESY – 77/50) 364568
Measurement of the branching ratios for the decays J/psi(3.1) → fω and J/psi(3.1) → Bπ. 372506
Measurement of the J/psi radiative decay into f^0(1270)γ. 377779
Franke, H.
Moessbauer spectra of Fe$_3$Osub(4-x)Fsub(x) (with 0 <= x <= 0.25). 361442
Tracerkinetic investigations on isomerization and synthesis of C^8-aromates. 2. 372954
Franke, V.A.
On stability of solutions of the string type in classical gauge field theories. 368581
Franke, W.G.
Measurement of cerebral blood flow by means of intravenous injection of ^{133}Xe. 349781
Frankel, K.
Universal fragment-momentum distribution in high-energy nucleus-nucleus collisions. 351408
Frankel, O.H.
Genetic resources as the backbone of plant protection. 373712
Frankel, R.
ISABELLE half-cell control system. (BNL – 22492) 350058, 363179
Frankel, S.
180^0 production of protons in high-energy p, d, and α reactions in nuclei. 362043
Franken, T.
Results of functional scintigraphy of liver and biliary tract with sup(99m)Tc-labelled IDA-derivates. (INIS-mf – 4010) 370457
Franken, W.M.P.
Heat transfer and friction on smooth and rough test rods. (ECN – 18) 363099
Frankenberg, D.
Reparable and irreparable damage in yeast cells after irradiation with fast electrons, conventional X-rays and ^{241}Am alpha particles. 378962
Frankenthal, S.
Dilation of force-free magnetic flux tubes. 351013
On the nature of photospheric magnetic fields beneath large coronal holes. 372168
Frankevich, E.L.
Nonhomogeneous charge neutralization kinetics in nonpolar organic solids (extended abstract). 362241
Scavenging of localized and quasifree electrons in liquid hydrocarbons (extended abstract). 362247
Frankfurt, L.L.
Energy spectra of secondary leptons in the $e^+ + e^- \rightarrow L^+ + L^-$ process. 369263
Properties of heavy leptons and their effects on the $e^+e^- \rightarrow$hadrons reaction. 356386
Frankl, D.R.
Atomic and molecular beam scattering from crystal surfaces in the quantum regime. 377177
Franklin, D.G.
Requirements for in-reactor zircaloy creep measurements for application in the design of PWR fuel. 360079
Franklin, H.
Ventilation measurements as an adjunct to radon measurements in buildings. (HASL – 325) 378931
Franklin, J.
Parity of the antiproton. 359248
Quark-parton model for the structure function W_2 of the proton and neutron in their rest systems. 351158
Franklin, J.C.
Composition of eta carbide in Hastelloy N after aging 10,000 hr at 815°C. (ORNL – 5340) 373226
Portable instrument measures four ventilation parameters. 351938
Uranium mine radon control research. 379322
Franklin, N.L.
The future of the nuclear plant industry. 368416
Nuclear power in western society. 354988
Status and programme for the fast breeder reactor in the United Kingdom. 365974
Franklin, R.N.
High temperature reactor needs special monitoring and control. 358414
Microinstabilities in plasmas – non-linear effects. 364197
Franklyn, C.
Measurement of the polarization parameter for antiproton-proton annihilation into charged pion and kaon pairs between 1.0 and 2.2 GeV/c. 353949
Franks, J.
Ion beam techniques for specimen preparation. 364014
Franks, L.A.
Technique for measuring optical fiber transmission using the time dispersion of Cerenkov radiation. 352429
Franse, J.J.M.
The preferred direction of the magnetization in Gadolinium as a function of temperature and hydrostatic pressure. (INIS-mf – 4267) 378599
Temperature and pressure dependence of the magnetocrystalline anisotropy of gadolinium. 357308
The transition from ferromagnetism to paramagnetism in Ti(Fesub(1-x)Cosub(x)), Y$_6$(Fesub(1-x)Mnsub(x))$_{23}$ and the effect of pressure. 354519
Fransson, K.
Evidence for bound states in the anti pp-system. 377811
Evidence for narrow bound states related to the panti p system. 377817
High-spin states and neutron multiplicities after pion capture in ^{181}Ta and ^{209}Bi. (INIS-mf – 4267) 377966
Measurements of γ-γ and γ-electron directional correlations in ^{119}Sb. 364742
Pion absorption by ^{3}He. 377963
Franti, G.W.
Influence of Si on precipitation phenomena and age hardening of beta Ti alloy. 357338
Frantov, I.I.
Alloying effect on subcooled austenite transformation in low-alloy steel of 14G2S type. 359933
Frantsev, Yu.E.
New on the ^{182}Ta decay. 378020
Frantsevich, I.N.
High-temperature oxidation of Ag-Ni pseudo-alloys with ZnS-, MoS_2 sulfide additions. 349369
Frantsevich, Yi.M.
On electron structure of the transition metal germanide. 375833
Frantz, C.E.
Manipulator for hollow objects. (US patent document 4,006,930/A/) 352674
Frantzen, D.
Sociological studies on the surrounding field of perception of the population with regard to technological risks (here: nuclear power plants). 367754
Franz, F.A.
Spin relaxation of optically pumped cesium through collisional modification of the hyperfine interaction. 353241, 377012
Franz, G.
Charge-asymmetry equilibration in the reaction of $^{129\ 132\ 136}$Xe with ^{197}Au near the interaction barrier. 366989
Separation of krypton and xenon from the offgas of nuclear facilities. (KFK – 2435) 357914
Franz, G.A. III
Instrumentation use in the uranium mill tailings program in Colorado. (HASL – 325) 378912
Franz, H.
Dissociation of the proton into ($p\pi^+\pi^-$) in the reaction $pp \rightarrow pp\pi^+\pi^-$ at 12 and 24 GeV/c. 353940
Investigation of diffraction dissociation in single pion production reactions in nucleon-nucleon collisions at 12 GeV/c. (BONN-HE – 75-1) 366881

Franz, J.R.
Magnetic-field-dependent ultrasonic velocity measurements in Cu and V . 367246
Franzen, H.F.
The solubility of hydrogen in tantalum at high temperatures. 354509
Franzen, L.F.
Evaluation of potential radiation exposure around nuclear installations in the Federal Republic of Germany. Methods and practice. 367734
Safety standards and regulations in the USA and Germany. 352953
Technical aspects in connection with preliminary decision and construction design approval. 352463
Franzinetti, C.
Strange particle production by antineutrinos. 356505
Frascaria, N.
High spin states in ^{206} ^{204} ^{202}Tl observed in (d,α) reactions at 80 MeV. 359481
Structure in the energy spectra from inelastic heavy-ion reactions. 366976
Fraschetti, F.
Italian activities in uranium enrichment. 367845
Frasco, D.L.
Lysis of phespholipid membranes with radiation-induced free radicals. (BNWL – 2100(Pt.1)) 360226
Fraser, D.B.
High rate magnetron sputter deposition. 368778
Fraser, D.C.
In-situ high efficiency filter testing at AEE Winfrith. 360504
In-situ testing of high efficiency filters at AEE Winfrith. (AEEW-M – 1510) 376333
Fraser, J.S.
Computer control of the beam transport system of the Chalk River electron test accelerator. (AECL – 5544) 365753
Future of high intensity accelerators in nuclear energy. (AECL – 5903) 360731
High power accelerators for spallation breeders of fissile material. 363227
Status of the Chalk River superconducting heavy-ion cyclotron. 363309
Frater, R.H.
Observations of 15 southern extragalactic sources with the Fleurs synthesis telescope. 356203
Fraternali, M.
The s-dependence of double diffraction dissociation of protons at the CERN Interscting Storage Rings. 369373
Study of charge-exchange double dissociation of protons at the CERN Intersecting Storage Rings. 369374
Fratev, F.
Variation of the enole-keto-ratio of acetic estor by ^{60}Co-gamma-radiation. 365058
Frati, W.
Homestake long range neutrino detector program. (UPR – 0027-E) 377600
180° production of protons in high-energy p, d, and α reactions in nuclei. 362043
Frauendorf, S.
A core-quasiparticle coupling model for odd-A transitional nuclei. (ZfK – 336) 364679
Description of odd transitional nuclei in terms of core-quasiparticle models. 361972
The instability of rapidly rotating nuclei towards emission of nucleons. 354059
On the interpretation of high-spin states. (ZfK – 336) 364650
Pairing in rotating ^{164}Er. (ZfK – 336) 364649
Shape transitions in very neutron deficient nuclei of the lead region. (ZfK – 336) 364703
Fraundorf, P.
Search for fission tracks from superheavy elements in Allende. 377607
Frauozek, E.
Environmental isotopes approach for study of groundwater in semi-arid regions of Rajasthan and Gujrat. 370272
Frawley, A.D.
Energy levels of ^{16}O near 15 MeV excitation from ^{15}N + p reactions. 372754
Levels of ^{16}O near 13 MeV excitation from ^{15}N + p reactions. 354165
Frazer, J.W.
Final results of the FY'78 chemistry and materials science research program review. (UCID – 17626) 373127
Frazer, W.R.
Normalization of the triple-Pomeron coupling. 359249
Frazier, D.H.
Goals and criteria for the management of nuclear wastes. Rethinking the problem. 368356
Frazier, E.N.
Line profiles of faculae and pores. 369077
Frazier, M.E.
Bone tumors induced by inhalation of $^{238}PuO_2$ in dogs. 365453
Culture of cells from beagles with bronchioloalveolar carcinoma. (BNWL – 2100(Pt.1)) 360314
Frazzoli, F.
Neutron radiography with Cf 252 and TV imaging techniques. 376392
Fre', P.
On the relationship between statistical mass spectrum and S-matrix eigenphases. 361264
Freasier, B.C.
Ergodic collision theory of intermolecular energy transfer. 355909
Fred, M.
Correlation of isotope shifts with vertical-bar psi (0) vertical-bar ^{2} for actinide configurations. 358809
Frederick, J.R.
Improved ultrasonic nondestructive testing of pressure vessels. Annual progress report, August 1, 1975 – July 31, 1976. (NUREG – 0007-2) 365803
Fredericks, G.E.
Thermal expansion of $NbSe_2$ and TaS_2. 365150
Fredericks, W.J.
Simultaneous diffusion of calcium and strontium in NaCl single crystals. 353462
Fredericksen, F.
Preliminary polarization results at Fermilab energies. (COO – 2009-128) 364571
Frederickson, J.P.
Long term performance of charcoal absorbers removing radioiodine in ventilation exhaust air. Final report. (EPRI-NP – 534) 379558
Frederik, P.M.
Electron-microscopic autoradiography of tritiated testosterone in rat testis. 357636
Frederking, T.H.K.
Studies of supercritical helium-4 at low temperatures during heat flow including disordered boundary domain investigations. Progress report for 1976. (PB – 266872) 356357
Fredrickson, D.R.
Thermochemistry of uranium compounds. 351539
Fredriksson, O.A.
Process and equipment for automatic measurement of resonant frequencies in seismic detectors. (German (F.R.) patent document 2644887/A/) 361075
Freeburn, H.R.
Light water reactor fuel rod modeling code evaluation. Phase II topical report. (CENPD – 218) 379620
Freed, K.F.
Energy distribution in selected fragment vibrations in dissociation processes in polyatomic molecules. 350563
Freed, R.L.
A study of the crystallization of two non-crystalline Cu-Zr alloys. 369945
Freedman, A.
Crossed molecular beams kinetics: BaO recoil velocity spectra from $Ba + N_2O$. 350667
Freedman, B.A.
Fermions and gauge vector mesons at finite temperature and density. I. Formal techniques. 363778, 363779, 363780
Freedman, D.Z.
The axial anomaly for spin 3/2 fields. 361272
On SO(8) extended supergravity. 366258
Supergravity and the unification of the laws of physics. 376906
Freedman, J.M.
LMFBR spent fuel transportation technology development. 352406
A program for the development of technology for safe shipment of spent fuel from commercial liquid metal fast breeder reactors in the USA. 350016
Freedman, M.S.
Comment on "Dependence of the Ta K x-ray energy on the mode of excitation". 358742
Freedman, R.A.
Green's function formalism and quantum correction for finite-temperature baryon matter. 361265
Freedman, S.J.
Cryogenic helium jet and recoil time-of-flight apparatus. 368350
Freeling, M.
High-LET particle dosimetry in the ASTP-Biostack III: Zea mays experiment. 360250
Freeman, A.J.
Electronic structure and lattice instability of metallic VO_2 . 366420
Electronic structure and reentrant magnetism in superconducting $ErRh_4B_4$. 367254
Ground- and excited-state properties of LiF in the local-density formalism. 360054
Magnetic field induced conduction electron polarization, magnetization density, and neutron magnetic form factor of Pt metal. 366484
Re-entrant magnetism in rare-earth superconducting ternary compounds. (CONF-770820 – 2) 373188
Unrestricted Dirac-Fock theory: relativistic determination of core polarization hyperfine interactions. 366403
Freeman, B.L.
Fast liner proposal. (LA – 6707-P) 361625
Freeman, C.G.
Laboratory investigation of some ion-molecule reactions related to cyanide chemistry in dense interstellar clouds. 349013
Freeman, G.R.
Effect of density on the total ionization yields in x-irradiated argon, krypton and xenon. 359780
Electron mobilities in alkanes through the liquid and critical regions. 362255
Radiation sensitized chain reactions. Aqueous nitrous oxide and 2-propanol. 357177, 378542
Reply: lifetimes of the solvated electron in liquid alcohols. 365056
Freeman, J.E.
Outlook following 'somnolence syndrome' after prophylactic cranial irradiation. 379075
Freeman, J.H.
Improvements in and relating to the production of synthetic diamonds. (UK patent document 1485364/A/) 360080
Ion beam studies. VI. 355074

Freeman, J.M.
Multiple scattering of 12 to 40 MeV heavy ions through small angles. 361362
Freeman, J.R.
Electron beam driven implosions. (SAND – 77-1506C) 371733
Existence of good finite-mass sum rules and the planar pole bootstrap. 372413
High power magnetically insulated radial diode. (SAND – 77-1549C) 368968
Propagation of pinched electron beams for pellet fusion. 350907
Rayleigh-Taylor instabilities in inertial-confinement fusion targets. 366538
REB propagation and combination in plasma channels. (SAND – 77-1548C) 368974
Reggeon amplitudes satisfying good finite-mass sum rules. 372414
Sandia Laboratories: particle beam fusion research. 358944
Freeman, L.M.
Soft-tissue sarcoma: imaged with technetium-99m pyrophosphate. 379142
Freeman, R.L.
Studies of doublet plasmas in Doublet IIA. 358942
Freeman, R.M.
Reaction cross sections for $^{16}O + {}^{16}O$. 359500
Reaction cross sections for $^{16}O + {}^{16}O$. (CRN-PN – 77-4) 354221
Freeman, S.S.
Volume reduction of tritiated liquid wastes with super slurper. (MLM – 2452) 366074
Freeman, W.
Soft x-ray spectra of boron and carbon excited by 10 to 40 MeV C, N and 0 ions. 348706
Frees, G.
Liquid alkali metal cooling and heat transfer agent of high purity. (German (F.R.) patent document 1601196/B/) 351674
Freese, G.B.
Feedback stabilization experiments using l=2 equilibrium windings in Scyllac. (INIS-mf – 3963) 371739
Freese, K.B.
Experiments on end-loss phenomena and material end plugs in a 5-M linear theta pinch. (INIS-mf – 3963) 353589
Solid – end-plug experiment on a theta pinch. 350819
Fregene, A.O.
Inconsistency in derivation of Csub(lambda) and Csub(E). 349916
LiF response to high energy X-rays and electrons relative to ^{60}Co photons. 376251
Frehaut, J.
Measurement of fission neutron spectra of the U^{235} and U^{238} fission induced by 0.6 and 7 MeV neutrons. (INIS-mf – 3896) 356710
Measurement of the (n, 2n) and (n, 3n) cross section from the threshold up to 15 MeV by a large liquid scintillator. (INIS-mf – 3896) 356763
Radiative capture cross section measurements for fast neutrons using a large Gd-loaded liquid scintillator. 374322
Reconciliation of measurements of anti ν/sub p/ for neutron-induced fission of uranium-235. 372717
Study on the (n, γf) reaction for neutron-induced fission of ^{241}Pu. (INIS-mf – 3896) 356882
Frehse, H.
Observation of jet structure in high psub(T) events at the ISR and the importance of parton transverse momentum. 353956
Freidberg, J.P.
Finite-gyroradius stabilization of diffuse high beta stellarators. 371851
High-beta tokamaks surrounded by force-free fields. (INIS-mf – 3963) 371800
Lower hybrid drift instability at low drift velocities. 350844
Freiesleben, H.
Identification of a 3^+ state in ^{16}O and evidence for a (1f sub(7/2) 1p^{-1} sub(1/2)) component in its wave function. 356794
Multifragment decay reactions induced by heavy ions and studied with mica track detectors. 367011
Reaction between ^{238}U and ^{238}U at 7.45 MeV/nucleon. 366981
Study of heavy-ion – induced reactions on uranium with use of mica detectors. 359538
Freik, D.M.
Crystal structure and properties of tin telluride-lead selenide layers. 361443
Freilinger, P.
Nuclear spins of ^{76}Rb and ^{119}Cs by β radiation detected optical pumping. 375174
Freire-Maia, A.
Human genetic studies in areas of high natural radiation. 370381
Human genetics studies in areas of high natural radiation, 7. 365403
Freiser, B.S.
Trapping of positive ions in the electron beam of an ion cyclotron resonance spectrometer. 368631
Freiser, H.
Chelating extractants of improved selectivity. Progress report, September 1, 1976 – October 31, 1977. (COO – 4073-1) 362123
Freitas Pacheco, J.A. de
The chemical composition of the Nova Cephei 1971 ejecta. 356231
The electromagnetic emission from Sco X-1. 353680
Freitas, M.L.
Nuclear resonant scattering of capture gamma rays on Sb. (IEA – 399) 354187
Resonance scattering of capture gamma rays as an analytical tool. 354310
Freitas, R.L.
Depressurisation study of a tank-tubing assemble. (INIS-mf – 4107) 366214
Frejacques, C.
Developments on uranium enrichment processes in France. 367846
Evolution of uranium isotope separation methods in France. (ERDA-tr – 293) 357853, 363059
Frejaville, G.
Prediction of primary circuit contamination in power reactors. 370952
Frejd, M.Kh.
Corrosion-electrochemical behaviour of Mo_2C in sulphuric acid solutions. 354466
Frejdenzom, L.N.
Extraction-photometric determination of tantalum with chromethylpyrazol. (INIS-mf – 4191) 375264
Frejdenzon, L.N.
Antipyrene dyes as new organic reagents for tantalum. (INIS-mf – 4192) 375330
Frejdlin, L.Kh.
Investigation into mechanism of hydrogen transfer from alcohol to ketone in the presence of $RhCl(PPh_3)_3$ and $RuCl_2(PPh_3)_3$ complexes. 375564
Isomerization and reduction of 1-hexene-5-one in the presence of $RuCl_2(PPh_3)_3$ and $RhCl(PPh_3)_3$ complexes. 367126
Reduction of unsaturated ketones by 2-propanol catalysed by the $RhCl(PPh_3)_3$ and $RuCl_2(PPh_3)_3$ complexes. 375565
Frejk, D.M.
Structure and properties of tein telluride-zinc telluride films. 375834
Frekers, D.
Study of the back-angle anomaly in elastic α-^{40}Ca scattering. 375110
Fremd, R.
Finite element calculations on the 3d HTGR benchmark problem. 370802
Review of literature on the asymmetric collapse of vapor bubbles. (IKE – 2-38) 355120
Fremion, L.
A multicharged ion source for metallic vapours. 379375
Fremist, C.
An heavy ion source utilizing plasma acceleration by electron cyclotron resonance designed for etching operations. 370676
Fremlin, J.H.
Prompt gamma neutron activation analysis to measure whole body nitrogen absolutely. 369534
Safety. 370553
Fremont, R. de
Corrosion and radioactivity in the primary circuit of a sodium cooled reactor. The computer code "Corona". (IWGFR – 7) 363503
French, B.
The slow proton trigger for the CERN OMEGA spectrometer. 368293
Transverse momenta correlations in annihilations at 5.7 GeV/c. 366885
French, B.R.
Evidence for a narrow width boson of mass 2.95 GeV. 372519
Inclusive anti K^{*0} (890) production in π^-p interactions at 16 GeV/c. 356507
Observation of the reactions $\pi^-p \rightarrow$ anti pd at 10 and 16 GeV/c. 372520
Production of phi and f' in 10 GeV/c K^-p interactions. 353959
French, H.T.
Ratio of neutral-current to charged-current cross sections for inclusive neutrino interactions in hydrogen. 351220
French, J.B.
Strength distributions and statistical spectroscopy II. Shell-model comparisons. 359390
Strength distributions and statistical spectroscopy. I. General theory. 359389
Frenchko, V.S.
Structure of the eutectic In-Sn-Sb alloy in a liquid state. 378309
Frenkel, A.
Consistency relations for compound cross-sections. (WIS-Ph – 77/18) 366936
Frenkel, I.
Study for the air flow pattern in large fresh fruit storage rooms. (IA – 1338) 365482
Frenkel, S.
Radiation inactivation of animal viruses in culture fluid and sewage; a case study. (INIS-mf – 4220) 379095
Frenkel', A.L.
Nonlinear interaction between a monochromatic wave and particles in a gravitating system. 374579
Frenkiel, P.
Observation of jet structure in high psub(T) events at the ISR and the importance of parton transverse momentum. 353956
Frenklach, M.
Reaction between H_2 and D_2 in a shock tube: Study of the atomic vs molecular mechanism by atomic resonance absorption spectrometry. 351522
Frenne, D. de
Study of the fission products of ^{235} ^{238}U by irradiation with 25 MeV bremsstrahlung. 356903
Frensdorff, A.
Hyphal walls of isolated lichen fungi. 352060
Frenzel, E.
Measurement of muon-neutrino and -antineutrino scattering of electrons. 353961
Muonless π^0-production by muon-neutrinos and -antineutrinos. 353962

Frese, H.
PETRA control system. 363228
Freudenthal, R.I.
Toxicity of some of the organic emissions identified in the effluents from reprocessing nuclear fuel. 349891
Freund, H.P.
Synchrotron emissivity near the electron cyclotron and upper hybrid frequencies. 350845
Freund, H.R.
On oxocuprates. Pt. 23. 364945
On oxocuprates. Pt. 24. 359603
Freund, P.G.O.
Gauging and breaking of simple supersymmetries. 361796
Unified superconformal gauge theories. 353064
Freund, R.S.
Collisional angular momentum transfer in Rydberg states of helium. 355872
Electron-impact excitation of helium: Cross sections, n, and l distributions of high Rydberg states. 350677
Freund, S.M.
Multiple-photon isotope separation in SF_6: Effect of laser pulse shape and energy, pressure, and irradiation geometry. 369666
Freundlieb, C.
Comparative studies of different labelled fatty acids for heart muscle metabolism. (INIS-mf – 4010) 360327
Model analysis of several methods used in nuclear medicine for the measurement of myocardial perfusion. (INIS-mf – 4010) 362838
A new radiocardiographical method for continuous measurement of heart volume changes during excercise. (INIS-mf – 4010) 362819
17-^{123}I-heptadecanoic acid for non-invasive investigation of myocardial metabolism. (INIS-mf – 4010) 357608
Freundlieb, Chr.
Changes in trace element concentrations in human serum after parenteral application of amino acids. 369525
Freundt, W.
Measurement of spectra and angular distributions of scattered X-radiation and their significance for radiographic inspection methods. 358031
Frevert, E.
Purification of drinking water from radioactive contamination by final consumers by means of combined cation and anion exchangers. (SGAE – 2777) 373757
Frewer, H.
Purposes and problems of the transfer of nuclear technology. 350434
Technology transfer by industry for the construction of nuclear power plants. 352541, 358130
Frey, H.
Applied vacuum technology on the field of nuclear fusion. 353549
High-efficiency isolating valves with great nominal width and free optical penetration for nuclear facilities. 370665
Metal-sealed valve for tritium-deuterium operation to be used in nuclear fusion experiments. 368943
Frey, K.J.
Induced mutations for tolerance of oats to crown rust. 373733
Frey, K.W.
Bone scintigraphy for the diagnosis and evaluation of radiotherapy of diseases of the sinuses and the skull base. (INIS-mf – 4010) 357684
Frey, R.
High resolution inelastic electron scattering and the excitation of magnetic dipole and quadrupole states in nuclei. (IKDA – 77/13) 364796
Radiative lifetimes of ions from electron-photon coincidence measurements. 353354
Freyer, K.
A contribution to mathematical handling of autoradiograms. 356956
Determination of main and trace elements in Luna-16- and Luna-20-material. 354288
Further development of the instrument and technique for photometric evaluation of autoradiograms. 355613
The possibilities of autoradiographic imaging of the distribution of beta-emitting substances in dynamic processes by means of a gamma scintillation camera. 354889
Quantitative microscale determination of boron spatial distributions with the aid of neutron-induced autoradiography. 354280
Freyhardt, H.C.
Superconducting properties of powder metallurgically produced Cu-Nb_3Sn composite wires. 370109
Freynik, H.S. Jr.
Evaluation of large, multifilament Nb_3Sn conductors with a new 12-Telsa tensile test apparatus. (UCRL – 79192) 357262
Evaluation of metal-foil strain gages for cryogenic application in magnetic fields. (UCRL – 79202) 350846
Nickel – chromium strain gages for cryogenic stress analysis of superconducting structures in high magnetic fields. (UCRL – 79726) 371852
Freytag, K.
Pulsed power supplied for large laser systems. (UCRL – 80133) 377370
Fri, A.
Introduction to radioimmunoassay. 376181
Fri, R.W.
The Carter energy policy is 'an admirable beginning'. 361138
National energy programmes and plans of the USA. 368495
U.S. is still pursuing advanced nuclear technology. 351925
Friants, F.A.
Inclusive production of charged pions in K$^-$p interactions at 32 GeV/c. 353960
Friar, J.L.
Nucleon form factors, Lorentz invariance, and nuclear photoabsorption. 359399
Frias, Z.
Modified scintigraphic technique for the dynamic study of the esophagus. 373588
Frichevski, D.
Behaviour of multisection superconducting solenoids. (JINR – 13-8963) 349988
Study on rhosub(f)(H,T) in type-2 superconductors. (JINR – 8-8015) 349047
Frick, T.M.
Device for fastening and securing a fuel pin in a spacer grid. (German (F.R.) patent document 2531641/A/) 355461
Fricke, B.
The influence of retardation effects in very heavy ion collisions. 353289
The influence of retardation effects in very heay ion collisions. 377055
Interpretation of quasi-molecular L X-rays in heavy-ion collisions. 355906
Fricke, J.
Exoelectrons. 368779
Velocity dependence of O(^{3}S) production in collisions between metastable oxygen atoms and various gas targets. 358798
Fricke, U.
Evidence of two different Na^+-dependent [^{3}H]-ouabain binding sites of a Na^+-K^+-ATPase of guinea-pig hearts. 365420
Fridberg, J.
Eutectoid transformation of delta-ferrite in Fe – Mo – C alloys. 362491
Fridlender, B.A.
Heat and electric conductivity of monolytic lanthanum hexaboride at high temperatures. 370099
Thermal expansion of transition metal carbides of the fourth-sixth groups. 373295
Fridlyanskaya, Eh.I.
Concentrating and separation of rare earths from mineral object solutions with new chelate sorbents. (INIS-mf – 4192) 375220
Fridman, A.M.
Nonlinear interaction between a monochromatic wave and particles in a gravitating system. 374579
Quasi-linear relaxation of a fast ion beam in a tokomak. 368556
Fridman, A.S.
Determining heating time for titanium alloys in molten salts. 359946
Fridman, A.Ya.
Formation of certain mixed cadmium complexes. 369710
Fridman, Eh.G.
Calculation of neutron cross-sections in the unresolved resonance region by the Monte Carlo method. (INIS-mf – 3895) 359427
Fridman, G.I.
Spectral analysis of heat resisting alloys smelted in vacuum arc furnaces. 364872
Fridman, L.A.
Investigation of the ferroprobe coercitivity meter KIFM-1 with various shoes for inspection of tubes. 373154
Fridman, R.A.
Disproportionation of olefins on alumomolybdenum and alumorhenium catalysts, promoted by tetraalkyl of tin derivatives. 349218
Fridman, S.A.
Interaction of recombination centers in Zns-Ag, Sm, and ZnS. CdS-Tm, Ni crystallophosphors. 371648
Investigation of excitation spectra of luminophors with rare earth ions in anti-stokes region. (INIS-mf – 3955) 362151
Fridman, Sh.D.
Fundamentals of gamma spectroscopy of natural media. 349636
Fridman, Z.G.
Effect of scale factor on durability of tungsten-rhenium alloys. 349526
Friebel, A.
High resolution inelastic electron scattering and the excitation of magnetic dipole and quadrupole states in nuclei. (IKDA – 77/13) 364796
Inelastic electron scattering, radiative width and magnetization density of the 2$^+$, T=1 state at 16.11 MeV in ^{12}C. 372755
Friebel, H.U.
Preparation of isotopically enriched mercury targets. (LA – 6850-C) 370742
Friebele, E.J.
Effect of ionizing radiation on the optical attenuation in polymer-clad silica fiber-optic waveguides. 370156
Fried, A.
Migration of Pu and Am. (BNWL – 2117) 370255
Fried, B.
Multipole fusion reactors using advanced fuels. (EPRI-ER – 536-SR) 371722
Fried, H.M.
Eikonal field theory production of interacting Pomerons. 359250
Strong-coupling solutions in an isotopic eikonal problem. 372415
Friedberg, E.C.
Xeroderma pigmentosum: cellular and enzymatic defects in repair of radiation- and carcinogen-induced damage to DNA. 362698
Friedberg, F.
E.s.r. of spin-trapped radicals in aqueous solutions of amino acids. 365359
Friedberg, R.
Fermion-field nontopological solitons. II. Models for hadrons.

363781
Friedell, H.L.
Investigations of the biological effects of radiation: a multi-discipline approach. Progress report, September 1, 1976 – August 31, 1977. (COO – 2486-366) 373478
Friedenberg, R.A.
Field theoretic treatment of pion-nuclear matter elastic scattering. 361797
Friedjung, M.
Novae and related stars. 353685, 353717
Friedland, A.J.
Optimized method for orificing LMFBR cores. (CONF-770611 – 6) 352727
Friedlander, B.
Methods for identification of dynamic systems. 374182
Friedman, A.
Coulomb excitation experiments in ^{148}Sm, ^{150}Sm, ^{152}Sm, and ^{154}Sm. (ANL – 77-60) 378062
Friedman, A.M.
The biological behavior of tin following administration of nine sup(99m)Tc-Sn complexes. 373636
Coulomb excitation in even-N Sm nuclei. (CONF-770968 – 10) 372814
Migration of Pu and Am. (BNWL – 2117) 370255
Non-linear behavior of gas targets for isotope production. 357864
Preparation of a biologically stable and immunogenically competent astatinated protein. 373015
Pulmonary ventilation imaging and function studies with krypton-81m. 354938
Studies of tumor metabolism. 373635
Survey of single particle states in the mass region A > 228. 372596
Friedman, E.
Coulomb displacement energies and neutron-proton density distributions. 372662
Coulomb energies and nuclear radii in the energy density formalism. 354065
Friedman, G.M.
Fission- and alpha-track study of biogeochemistry of plutonium and uranium in carbonates of Bikini and Enewetak atolls. Summary report, 1 July 1974 – 31 August 1977. (COO – 3462-14) 379135
Friedman, H.
Absence of iron line emission in Cgy X-3. (CONF-7510169 –) 364408
Soft x-rays from Her X-1 during the "off" phase. (CONF-7510169 –) 364322
Friedman, I.H.
Radiation-induced extraskeletal fibrosarcoma: simulating locally recurrent carcinoma of breast. 379056
Friedman, J.L.
New criterion for secular instability of rapidly rotating stars. 359050
Friedman, K.
Radioactive fallout studies in Israel. (INIS-mf – 4052) 373756
Friedman, L.
Model of secondary electron yields from atomic and polyatomic ion impacts on copper and tungsten surfaces based upon stopping-power calculations. 350571
Friedman, M.
Autoaccelerator: a generator for producing a high energy intense relativistic electron beam by the autoacceleration process. 363177
Finite element method for solving the two dimensional Schroedinger equation. (IA – 1338) 366215
Friedman, M.H.
Allowed supersymmetric vacuums. 358656
Neutron activation analysis for trace elements in foods. 372932
Friedman, W.A.
Barrier-top resonances and heavy ion reactions. 351279
Friedmann, H.
Possibilities to make earthquake forecasts. 370256
Friedreich, E.
Homologous radioimmunoassay for canine prolactin and its application in various physiological states. 365491
Friedrich, B.
Co-operation between member states of the Council for Mutual Economic Assistance (CMEA) in radioactive waste treatment and burial. 358504
Friedrich, G.
Personnel monitoring by process computers in nuclear power stations. 355033
Use of an evaluation device for rod dosimeters in the process computer-aided personnel dosimetry monitoring at the Philippsburg nuclear power station. 355032
Friedrich, H.
Alpha-particle cluster states in ^{18}F and ^{18}O. 356581
Effective nucleus-nucleus potentials derived from the generator coordinate method. 361976
A parity dependent orthogonality condition model derived from parity projected energy surfaces. 372610
Friedrich, H.J.
Experimental investigations on the compatibility of a SNR-type corium with graphite. (CONF-761001 – P4) 363540
Friedrich, L
Vector analysing power in d-p and d-d elastic scattering at 52 MeV. 354145
Friedrich, L.
Spins of proton hole states from analyzing powers of (d, tau) reactions at 52 MeV. 369462
Friedrich, M.
Determination of uranium in minerals by instrumental neutron activation analysis and spectrophotometry, two independent methods. (KFK – 2458) 354303
Friedrich, W.
Shielding of fast neutrons from cyclotron targets. 354014
Frieman, E.A.
Ballooning modes in tokamaks with finite shear. (INIS-mf – 3963) 371876
Integral formulation for the two-dimensional spatial structure of drift and trapped-electron modes. (PPPL – 1387) 368984
Theory of ballooning modes in tokamaks with finite shear. 366527
Friend, D.B.
Closed circuit television equipment developed by Berkeley Nuclear Laboratory for use on the Dounreay prototype fast reactor. (IWGFR – 10) 363415
Friend, R.H.
Electrical resistivity anomaly in β-$MoTe_2$. 371614
Frierman, J.D.
Samanid ceramics and neutron activation analysis. (LBL – 5961) 369518
Fries, B.A.
Krypton-85. A versatile tracer for industrial process applications. 365683
Fries, R.
Evidence for the F meson. 353947
Measurements of tau decay modes and a precise determination of the mass. 372505
On the origin of inclusive electron events in e^+e^- annihilation between 3.6 and 5.2 GeV. 353772
On the semileptonic decay of charmed hadrons. 356496, 364566
Fries, R.J.
Selection, characterization, and coating of laser-fusion targets. (LA – 6850-C) 372959
Fries, W.
Theoretical interpretation of SCARABEE single pin in-pile boiling experiments. 374284
Friesenhahn, S.J.
Measurements of fission-product decay heat for ^{235}U and ^{239}Pu. (BNL-NCS – 22500) 356764
Friess, H.M.
Scattering of protons from argon and hydrogen at 1 MeV. 366965
Frigerio, A.
Advances in mass spectrometry in biochemistry and medicine. Volume II. 351455, 351482, 352083, 352093, 357644, 357651
Quantum dynamical semigroups and approach to equilibrium. 371375
Frigerio, N.A.
Plutonium and uranium emission experience in U.S. nuclear facilities using HEPA filtration. 360505
Frigren, S.
Public education for energy policy decisions. 371318
Friis-Hansen, B.
Low cerebral blood flow in hypotensive perinatal distress. 357645
Frikkee, E.
Investigation of the bi-critical point in $CsMnBr_3.2D_2O$ with neutron scattering. (INIS-mf – 4267) 377160
Neutron scattering for two-dimensional systems, which show a tetracritical behaviour. (INIS-mf – 4267) 377164
Friley, J.R.
Consequences of postulated losses of LWR spent fuel and plutonium shipping packages at sea. (PNL – 2093) 379465
Friman, B.L.
The πN scattering in nuclear matter. 372611
Convergence of the hole-line expansion in nuclear matter. 361977
Frimer, A.A.
Reaction of singlet oxygen with 4-methyl-2,3-dihydro-γ-pyrans. 378264
Frisch, D.R.
Emergency cooling system for nuclear reactors. 358062
Frisch, E.
Emergency cooling system for nuclear reactors. 358062
Frisch, H.
Non-LTE transfer – 3. Asymptotic expansion for small epsilon. 356232
Frisch, H.J.
Measurement of the branching ratio GAMMA (K/sub L/ → $\pi^+\pi^-$)/GAMMA (K/sub L/ → all). 359336
Measurement of the decay rate for the rare process K/sub L/^{0} → $\mu^+\mu^-$. 351231
Search for quarks produced with large transverse momentum in 400-GeV proton-nucleus collisions. 359331
Test of scaling in muon-pair production by hadrons. 366878
Frisch, O.
The first subatomic particle. 355873
Frisch, U.
Closure methods in fluid and plasma turbulence. 358945
Non-LTE transfer – 3. Asymptotic expansion for small epsilon. 356232
Frisch, V.
Bursting protection for pressure vessels. (German (F.R.) patent document 2510666/A/) 350221
Frisch, W.
ALMOS-2 – computer program for accident analyses of BWR-type reactor plants. Pt. 1. (MRR-P – 13(T.1)) 365859, 365860
Significance of fast moderator feedback effects in a boiling water reactor during severe pressure transients. 374199
Frischholz, H.
Compensation of beam loading in the ISR rf cavities. 363229

Frischke, D.
Preparation of isotopically enriched mercury targets. (LA – 6850-C) 370742
Frischkorn, R.
Fractionation and protaction in the intracavitary local irradiation of gynecological tumors. 354804
Frish, H.
Non-LTE transfer – 4. A rapidly convergent iterative method for the Wiener-Hopf integral equations. 356233
Frish, S.Eh.
Dissociative excitation of hydrogen by metastable atoms of neon and helium. (INIS-mf – 3915) 348649
Friskney, C.A.
The characteristics of fission gas release from monocrystalline uranium dioxide during irradiation. 357412
Frissel, M.J.
An installation for transport and accumulation studies on undisturbed soil columns under controlled conditions. 354638
Fritsch, B. v.
A method to calculate pressure waves in steam lines. 370923
Fritsch, P.
Pulmonary tumors induced in the rat by the internal α irradiation; target cells and sensitive cells. 354774
Fritsch, T.
On-line Moessbauer measurements at low temperatures of sup(83m)Kr implanted into Al. 377198
Fritsch, W.
Approximate closed-form solution of a two-state model for rotationally induced excitation in atomic collisions. 374615
Frittelli, L.
Considerations on nuclear transmutation for the elimination of actinides. 358470
Fritts, M.J.
$^{208}Pb(^{3}He,p)^{210}Bi$ reaction. (TID – 27909) 378043
Fritz-Niggli, H.
Different genetic and cellular responses to negative pimesons (peak and plateau) in dependence on intrinsic properties of reaction systems: a new concept of RBE. 352035
Effect of pions on germ cells and occurrence of mutations. (LA-tr – 77-67) 379006
Effect of pions on the embryonal development of the mouse. (LA-tr – 77-77B) 379008
Effects of low-dose irradiation with X-rays and pi-mesons on embryos of two different mouse strains. 360265
Preclinical experiments with the SIN negative pi-meson beam. RBE values for tumour and normal cell systems, and genetic damage studies in the beam peak and plateau regions. 378963
Radiation damage in mouse embryos exposed to 1 rad X-rays or negative pions. 357582
Fritz, G.
Absence of iron line emission in Cgy X-3. (CONF-7510169 –) 364408
Soft x-rays from Her X-1 during the "off" phase. (CONF-7510169 –) 364322
Fritz, I.J.
Stress effects in ferroelectric ceramics. (SAND – 77-0066C) 357357
Fritz, J.S.
Ion-exchange separation and determination of calcium and magnesium. 364841
Fritz, K.
The Austrian programme for the development of advanced HTR concepts and components. 379672
Increasing the operational safety of HTR plants. 370982
Steam generator with U-tube bank arranged within an oblong pressure vessel. (German (F.R.) patent document 2515623/B/) 358054
Fritz, P.
Computer modelling of groundwater ^{13}C and ^{14}C isotope compositions. 376035
Stable carbon isotope ratios and chemical properties of kerogen and extractable organic matter in pre-Phanerozoic and Phanerozoic sediments – their interrelations and possible paleobiological significance. 378859
Fritz, R.
Recent findings on reflector design in HTR reactors. 370985
Fritz, R.B.
Solid-phase radioimmunoassay for the detection of antibodies to myelin basic protein. 362831
Fritz, T.E.
Radiation-induced erythroleukemia in the beagle dog. 367516
Fritze, P.
Total cross sections for charged-current neutrino and antineutrino interactions in BEBC in the energy range 20-200 GeV. 353945
Fritzler, U.
Investigations on the excited states of Eu^{2+} in CaF_2- and SrF_2-crystals by two-photon absorption spectroscopy. 353420
Fritzsch, H.
Calculating the Cabibbo angle. 356412
Electro- and chromomagnetism in the charm meson spectrum. 364497
Photoproduction of heavy quark flavours. 377727
Quark-gluon collisions as the source of dimuon production at large transverse momenta in proton-nucleon scattering. 372416
Fritzsche, W.
Test or measuring sphere for nuclear reactors with spherical fuel elements. (German (F.R.) patent document 2315847/C/) 355440
Frobin, W.
Ion – molecule reactions of N^+ with CO: Integral reactive cross sections in the collision energy range 0.2 – 13 eV. 368632
Frochlich, K.
Experimental techniques and methods of hydrogeological interpretation used for measurements of natural tritium, ^{14}C and ^{32}Si at the Bergakademie Freiberg, GDR. 365304
Frodermann, G.
Method and device to operate an instrument exposed to radiation. (German (F.R.) patent document 2534594/A/) 376742
Froeba, K.
The new Federal Act for the protection against nuisances (BImSchV). 366185
Froeberg, L.-E.
On the decay of ^{123}Sn. (USIP – 77-22) 354151
Froeberg, L.E.
Gamma-gamma angular correlation studies in ^{97}Tc. 351333
Froebrich, P.
Application of a uniform semiclassical theory to the multiple Coulomb excitation of heavy ions. 356599
The Bessel uniform approximation and the stationary phase method in inelastic scattering of heavy ions. (LYCEN – 7702(pt.2)) 369424
The validity of an integral representation of the semiclassical S-matrix for multiple coulomb excitation of heavy-ions. 375091
Froehlich, A.
Observation of the reactions $\pi^-p \rightarrow$anti pd at 10 and 16 GeV/c. 372520
Production of phi and f' in 10 GeV/c K^-p interactions. 353959
Froehlich, G.
Experiences with vapor explosions caused by entrapment of water with melts. 352227
Review of literature on the asymmetric collapse of vapor bubbles. (IKE – 2-38) 355120
Froehlich, H.
Spin assignments for $^{16}O + ^{12}C$ resonances at low energies. 378072
Froehlich, J.
Stability of scattering phase shifts. 356413
Froehlich, R.
Critical configurations and secondary excursions for high temperature fuel/steel mixtures. (CONF-761001 – P3) 365592
Influence of fuel-coolant-interactions on loss of flow type core disruptive accidents for the SNR-300. (CONF-761001 – P3) 365545
Summary discussion and state of the art review for coarse-mesh computational methods. 350108
Froehlik, K.
Some results of T- and ^{14}C-investigations of groundwater in the German Democratic Republic. 373441
Froehling, W.
DAtF-KTG-Reactor Meeting 1977 in Mannheim. 355362
Froehner, F.H.
Reactor theory and physical experiments. (KFK – 1277/2) 370795
Froehner, K.R.
Deposit and scale prevention methods in thermal sea water desalination. (GKSS – 77/E/29) 355140
Uranium content and exploitability of Black Sea sediments. 370257
Froelich, H.R.
Design of a shuttle microtron for radiation therapy. 363230
Froelich, J.A.
Chemical and infrared spectral details of reactions involving stereospecific incorporation of oxygen-18 into substituted manganese and rhenium carbonyl derivatives via exchange reactions with $H_2{}^{18}O$. 364939
Oxygen exchange reactions of $H_2{}^{18}O$ with the hexacarbonyl cations of manganese and rhenium. 357007
Phase-transfer catalyzed ^{18}O labeling studies of carbonyl ligands in neutral metal carbonyl derivatives. 378240
Froelicher, M.
Structure and growth of anodic oxide films on titanium and TA6V alloy. 378597
Froes, F.H.
Effect of α-phase morphology and distribution on the tensile ductility of a metastable beta titanium alloy. 351737
Froeschle, Ch.
Non-LTE transfer – 4. A rapidly convergent iterative method for the Wiener-Hopf integral equations. 356233
Froggatt, C.D.
Phase-shift analysis of $\pi^+\pi^-$ scattering between 1.0 and 1.8 GeV based on fixed momentum transfer analyticity. II. 356414
Frogner, B.
Methods for identification of dynamic systems. 374182
Frohlich, H.
Relative lifetimes of five quasi-bound states of HeH^+. 358714
Frohling, R.
Elliptic pelarization of the light emission from surface scattered ion beams at grazing incidence. (INIS-mf – 3996) 363864
Frohman, L.A.
Plasma thyroglobulin in detecting thyroid carcinoma after childhood head and neck irradiation. 360275
Salivary gland neoplasms as a late consequence of head and neck irradiation. 352054
Frois, B.
On the radial distribution of the 1fsub(7/2) proton orbit. 362113
Frolov, A.A.
Rational thermomechanical parameters of pressing granulated heat resistant alloy-EhP741. 349391
Frolov, B.N.
On the gravitational field equations in the quadratic theory of gravitation. 368544
The Schwarzschild problem in the quadratic theory of gravitation. 368543

Frolov, I.A.
Study on contact melting of manganese in copper-steel joints during soldering. 375762
Frolov, V.A.
Investigation into the correlationship between uranium, thorium and phosphorites of the Udsko-Shantarskij basin. 357499
Frolov, V.M.
Particle production and scattering by a non-stationary electromagnetic field in canonical formalism. 348589
Frolov, V.P.
Black holes and quantum processes in them. 372169
Possibility of small mass black hole existence and a fundamental length. 364326
Frolov, V.V.
Calculation of background radiation conditions and radiation heating for superconducting windings in the ITEP hyperon experiment. (ITEF – 114) 376380
Energy sensitivity of the ionization method of measurement of the energy loss of heavy charged particles. (INIS-mf – 3996) 364633
Method for control of fissionable materials by delayed neutrons using pulse neutron source. (FEI – 520) 357192
Semiempirical approach to the inelastic energy loss of ions. (INIS-mf – 3996) 364629
State primary standard for units of equivalent dose and equivalent dose rate of neutron irradiation. 376262
Frolov, Yu.A.
Investigation of cerium tetrachloride. 378211
Frolov, Yu.G.
Isopiestic study of mixed solutions of electrolytes free of common ions. 349219
Frolov, Yu.P.
Tellurium and gallium-tellurium difusion coatings of the Kh18N10T. (INIS-mf – 4046) 369858
Frolova, E.A.
Rheological properties of melts of polyheterosiloxanes containing boron, zinc and cobalt. 354330
Frolova, K.I.
Corrosion resistance of nickel compositions with sesquioxides of rare earth elements in water. 362310
Frolova, L.M.
Kinetics and mechanism of oxidation of plutonium (6) by persulfate ions in sodium carbonate solutions. 359729
Uranium (4) – neptunium (6) reaction kinetics in aqueous-alcoholic solutions. 357095
Frolova, L.N.
Corrosion-electrochemical behaviour of Mo_2C in sulphuric acid solutions. 354466
Froment, M.
Structure and growth of anodic oxide films on titanium and TA6V alloy. 378597
Fromin, Y.A.
Violation of scale invariance in hadron interactions at super-high energies. 356336
Fromm, E.
Effect of oxygen sorption layers on the hydrogen absorption of tantalum. 375835
Gases and carbon im metals (thermodynamics, kinetics, and properties). Pt. 2. 369965
Fromm, V.D.
Combined processing of γ-spectra on small and large computers. (JINR – 10-9094) 372756
Fromm, W.D.
How axial are the "axial" nuclei. (ZfK – 336) 364646
Investigation of the negative pion capture in deformed nuclei. (ZfK – 336) 364731
Trace diffusion of different nuclear reaction products in polycrystalline tantalum. 355957
Fronczek, F.R.
Rare earth metalcarborane derivatives. The preparation, structural characterization, and reactions of the bis(eta^5-(3)-1,2-dicarbollyl)dichlorouranium(IV) dianion. 378465
Frontas'eva, M.V.
Effect of chemical bonds on the process of μ^- – meson capture in crystals. (JINR-R – 1-10832) 377008
Froom, J.
Manufacture of solid state devices. (UK patent document 1486152/A/) 364029
Frosch, R.
Proposal for an experiment at SIN: precision measurements of μ^+-impulses from disintegration of arrested pions. (LA-tr – 77-76) 377795
Frosch, R.F.
Elastic cross sections for e + ^{40}Ca at 757.5 MeV. 364744
Frossati, G.
A dilution refrigerator with sintered silver powder heat exchangers for use in the millikelvin range. 360621
Frost, D.C.
A versatile, fast pumping ultraviolet photoelectron spectrometer for the study of transient and unstable species. 355528
Frost, G.
A 480-channel lead glass Cherenkov detector. 355498
Frost, J.K.
Application of neutron activation analysis to coal research. 378157
Survey of trace elements in coals and coal-related materials by neutron activation analysis. 372922
Frost, K.J.
The high-energy celestial X-ray instrument on board OSO-8. 374307
OSO-8 observations of Cygnus XR-1. 369062
Study of the cosmic sources of hard x-rays. (CONF-7510169 –) 364307
Frost, R.A.
Cost/schedule performance measurement system utilized on the Fast Flux Test Facility project. 358310
Frost, R.T.
Containerless processing of beryllium. Final report. (N – 77-27211) 378577
Frota-Pessoa, S.
Resonant Raman scattering of phonons in a magnetic field. 353075
Spin density of states of proximity effect superconducting sandwiches in high fields. 349046
Fruchard, Y.
Sodium fire studies in France safety tests and applications on an LMFBR. (CONF-761001 – P4) 362922
Frueh, J.
Use of a bipolar microprocessor in a multi-window discriminator for a system studying reactor fuel pins. (KFK-PDV – 101) 376851
Fruehauf, U.
Fundamentals of electronic measurement engineering. 374374
Fruehling, J.
Correlation between liver scintigraphy and computed tomography in the detection of liver metastases. (INIS-mf – 4010) 357685
Correlation between scintigraphy, echography and computed tomography in the diagnosis of pancreatic diseases. (INIS-mf – 4010) 357686
Frullani, S.
Researches with the 600MeV Linac. Chapter 4. (CEA-N – 1959) 354138
Frumkin, A.N.
Effect of nature of metal on the structure of double electrical layer in dimethyl sulfoxide. 369623
Frumkin, M.L.
Apples (Papirovka variety) and apple and grape juice. 367669
Frunze, M.F.
Heat addition of pyridine and its derivatives to hafnium tetrachloride. 378315
Fruth, H.
Shut-off equipment for low-pressure pipelines connected to the high-pressure pipelines of a nuclear reactor plant. (German (F.R.) patent document 2062104/C/) 355368
Fry, D.N.
Characterization studies of BWR-4 neutron noise analysis spectra. (CONF-770902 – 1) 368114
Fry, F.A.
Design and performance of major body-monitoring facilities. 371112
A realistic chest phantom for the assessment of low-energy photon emitters in human lungs. 360534
Fry, J.
Through a glass darkly. 356415
Fry, J.R.
Production of phi and f' in 10 GeV/c K^-p interactions. 353959
The slow proton trigger for the CERN OMEGA spectrometer. 368293
Study of the planarity in K^-p reactions at 8.25 GeV/c. 369379
Fry, P.W.
Use of silicon linear photodiode arrays for detection of high-energy electrons. 374333
Fry, R.J.M.
Dose-effect relationships for fife shortening, tumorigenesis, and systemic injuries in mice irradiated with fission neutron or ^{60}Co gamma radiation. 354765
Fry, S.M.
Laser pumped lasers for isotope separation. 373918
Fryburg, G.C.
Susceptibility to hot corrosion of four nickel-base superalloys, NASA-TRW VIA, B-1900, 713C and IN-738. (N – 77-21216) 367185
Frydenbo, F.T.
Zr-Ni-Ti getter for nuclear fuel element. 358084
Frydman, R.J.
Toward an Argentine nuclear industry. 352709
Frye, B.L.
Vacuum cleaner for radioactively contaminated particles. (US patent document 4,061,480/A/) 379464
Frye, J.C
Summary of geologic review group meetings, July 21 – 22, 1977. (Y/OWI/TM – 18/3) 374430
Fryer, D.R.H.
Criteria for guidance in the safety assessment of nuclear installations in the United Kingdom. 370554
Safety issues in licensing commercial LMFBR's. (CONF-761001 – P1) 362945
Fryer, J.R.
Radiation damage processes. 373070
Fryer, R.M.
Method and device for the detection of a failed fuel element. (German (F.R.) patent document 2546034/A/) 350254
Safety related considerations for operation with defected elements in EBR-II. (CONF-761001 – P2) 362923
Fu, K.K.
Acute and late effects of multimodal therapy on normal tissues. 357601
Fubini, S.
Properties of O(4) x O(2) symmetric solutions of the Yang-Mills field equations. 368514
Fucci, A.
A new fast and programmable trigger logic. 371097

Fuchs, A.
Radiochemical process for the highly sensitive sipping test. 370940
Fuchs, B.
Numerical integration of electromagnetic cascade equations, discussion of results for air, copper, iron, and lead. 361950
Fuchs, C.
Superconducting energy gap and transition temperature of amorphous $Pb_{55}Bi_{45}$-films. 374998
Fuchs, G.
On the problem of cancer induction by low-level radiation. 354805
Transport code calculations concerning the plasma parameters in the scrape off layer of a poloidal limiter in a tokamak. (INIS-mf – 3963) 371965
Fuchs, H.
Calculation of implantation profiles. (HMI-B – 234) 364160
Calculation of solid deposits ('salt deposits') due to cooling tower plumes. 370310
Fuchs, H.P.
Fuel element for a nuclear reactor. (German (F.R.) patent document 2413464/B/) 355325
Intermediate storage of spent LWR fuel elements: experience and tasks from the fuel element point of view. 370933
Fuchs, N.H.
Properties of axial-vector-current divergences in the constituent-quark basis. 372417
Fuchs, P.
Coulomb excitation of deformed nuclei using very heavy ions. (ZfK – 336) 364750
Recoil distance investigation of yrast states in ^{158}Dy. (ZfK – 336) 364749
Fuchs, V.
Three-wave parametric-decay instability with arbitrary dissipation in homogeneous plasmas. 350847
Fuchssteiner, B.
Pure soliton solutions of some nonlinear partial differential equations. 353076
Fudzita, Kh.
High-power electro-ionization CO_2 laser system for thermonuclear research. 363114
Fueger, G.F.
Relative uptake of sup(99m)Tc-diphosphate and temporal changes of uptake in bone diseases. 352172
Fuehr, F.
Bound or absorbed methabenzthiazuron residues in soil. 357666
Fueki, K.
A semicontinuum model with a structured first solvation shell for excess electrons in liquid and glassy alkanes. 359789
Fuerst, B.
Thermodynamics of the oxidation and carbonisation behaviour of high-temperature alloys in HTR helium. 369812
Fuerstenau, N.
Experimental investigation about the mechanism of fission-fragment induced desorption. 363887
Fuertig, W.
Investigation of the light variation of twelve Ap stars in ten spectral regions. 351080
Fues, W.
Evidence for the F meson. 353947
Measurements of tau decay modes and a precise determination of the mass. 372505
On the origin of inclusive electron events in e^+e^- annihilation between 3.6 and 5.2 GeV. 353772
On the semileptonic decay of charmed hadrons. 356496
Fuge, R.
On-line reactivity measurements in power reactors. 350109
Sodium boiling experiment in the reactor BOR-60. (ZfK – 344) 374272
Fugelso, E.
Finite element analysis of the axisymmetric electromagnetic oscillations in the PHERMEX machine. (LA-UR – 77-1320) 367964
Fuger, J.
The enthalpy of solution of body-centred tetragonal protactinium metal. 373016
Preparation, crystal structure and enthalpy of formation of dicaesium hexabromoneptunate. 357102
Fugere, J.
Conditions for the separation of the Hamilton-Jacobi equation. 355741
Restrictive conditions for gravitational radiation. 366302
Fuggle, J.C.
Photoelectron spectroscopy of nitrogen adsorbed on W(110). 369946
Fugimori, K.
Treatment of the new uranium mineralization at Campo Agostinho (Pocos de Caldas, Minas Gerais, Brazil). 351947
Fugol', I.Ya.
Study on electron collisions with helium metastable atoms in afterglow cryogenic plasma. (INIS-mf – 3915) 368641
Fuhita, Y.
Measurements of neutron total cross section minima in natural iron and silicon. 364797
Fuhr, K.
Method to harden coating masses made of unsaturated polyesters and partly polymerizable monomers by UV irradiation. 376290
Polyester moulding – and coating materials to be hardened by UV-irradiation. 354441
Polyester moulds and coating substances to be hardened by UV-irradiation. 354422
Fuhrhop, J.H.
Magnetic interactions in iron (III) porphyrin chlorides. 364004
Fuhrmann, B.
Device for the measurement of physical quantities in conditions where measuring is difficult. (German (F.R.) patent document 2550378/A/) 376693
Fuhrmann, C.
Design, construction and description of a triple axis neutron crystal spectrometer. (IEA – 477) 351352
Fuja, R.
Neutral beam system for an ignition tokamak. (CONF-771029 – 177) 377401
Fuja, R.E.
Results from a model system of superconducting solenoids and phase shifting bridge for pulsed power studies for proposed tokamak EF coils. (CONF-770842 – 10) 366539, 366540
Fujie, Hideo
Fuel assembly. 350198
Fujihara, M.P.
Suppression of the primary immune response in rainbow trout, Salmo gairdneri, sublethally exposed to tritiated water during embryogenesis. 360276
Fujii-e, Yoichi
One-dimensional analyses on generation and propagation of pressure waves in compressible liquid resulting from fuel coolant interaction. 379789
Fujii, A.
A statistical theory of nuclear neutrino capture. 354072
Fujii, Ayako
Adsorptivity of uranium by aluminium-activated carbon composite adsorbent. 349325
Complex crystals formed in the aqueous solution of copper(I) iodide and sodium iodide. 367135
Properties and uranium adsorptivity of the aluminium-activated carbon composite adsorbent and aluminium hydroxide. 378469
Fujii, G.
Lanthanum diluted cerium magnesium nitrate thermometer for milli-kelvin region. 360622
Practical design of a heat exchanger for dilution refrigeration. 376322
Fujii, H.
Lead glass Cerenkov counter of hodoscope type. (INS-TH – 111) 350298
The model rotor for the 6 MVA superconducting generator. 360599
Regional nuclear fuel centers: IAEA study project. 359855
Fujii, Hirofumi
Differential cross sections for single pion photoproduction from protons in the energy range between 500 MeV and 930 MeV. 372696
Fujii, Isao
Fuel element. 350200
Monitoring device for a reactor core. 360854
Monitoring device of the interior of a reactor. 368074
Fujii, Iwane
The behaviour of thermal stress and heat storage quantity in a sphere heated and cooled alternately by fluid. 367902
Fujii, K.
Charmed meson decays and right-handed currents. 361763
Fujii, Masamichi
Analysis of radioassay data using four-parameter logistic function. 360395
Fujii, Tadashige
Application of dual radioisotope techniques and image subtraction methods for diagnosis of lung cancer. 367695
Evaluation of dual radioisotope techniques for the diagnosis of lung diseases. 379185
Fujii, Toshihiro
Measurement of stable isotope ratio of organic carbon in water samples. 359549
Fujii, Yasunori
On the gauge conditions in quantum gravity. 376932
Fujiino, H.
The model rotor for the 6 MVA superconducting generator. 360599
Fujikawa, Hisao
Alloy SCR-3 resistant to stress corrosion cracking. 367180
Fujikawa, Kazuo
The frequency pattern of the dumpy mutations induced by x-rays in different stages of spermatogenesis of Drosophila. 367454
Fujiki, Kenji
Reactor. 360990
Fujimori, Yoshisuke
Reconstruction of the full thickness chest wall defect. 352051
Fujimoto, F.
Double K-shell ionization of light elements by hydrogen and helium ion impact. 377049
Projectile Z dependence of double K-shell ionization in light elements by hydrogen- and helium-ion bombardment. 371499
Fujimoto, Fuminori
Anomalous transmission of electrons at high energy. 353421
Fujimoto, Junzo
System for positioning a control rod drive for a boiling water reactor. 368121
Fujimoto, Koichi
Environmental radiation monitoring system in nuclear power plant. 350299
Fujimoto, Masatoshi
A note on the rates of complex formation of indium(III) with murexide and the decomposition of murexide in the presence of indium(III). 354358
Fujimoto, Mitsuaki
A computational and observational study of peculiar galaxies in the Coma cluster. 348992

A line of peculiar galaxies associated with the cD galaxy NGC4889 in the Coma cluster. 366760
Fujimura, Keishiro
Adsorption of micro amounts of cadmium complex ion on active charcoal. 372982
Fujimura, Mitsuru
Estimation of emission sources of trace elements in an atmospheric aerosol by particle size distributions. 359550
Fujimura, Noriharu
The investigation of the absorption of sup(99m)Tc gamma-rays by bone and soft tissue. 355034
Fujimura, Shun-ichi
Gaseous products and smoke generation on combustion of the insulation materials of nuclear cables. 349575
Fujimura, Shunichi
Environmental tests of electric cables for nuclear power plants. 374161
Fujimura, Toichiro
Manual on JSSL (JAERI scientific subroutine library). (JAERI-M – 7102) 374524
Subprogram STDPL for standard graph drawing of two-dimensional data. (JAERI-M – 7100) 374523
Fujinaga, Takamasa
Vacuum vessel in a nuclear fusion device. 366637
Fujino, H.
6250kVA superconducting generator. 367918
Fujino, Hisatake
Tumor scintigraphy in primary lung cancer using ^{67}Ga-citrate. 349862
Fujino, Michihira
Dependency of Doppler factors on resonance self-shielding factors for gold and silver. 354005
Inspection apparatus of a failed fuel. 360889
Measurements of energy dependent Doppler factor for uranium dioxide using a lead slowing-down time spectrometer. 360766
Fujino, T.
Anomalous behavior in the α to β transition of $SrUO_4$. 357122
A scattering chamber at the INS sector focusing cyclotron. (INS-TL – 132) 350089
Fujino, Takahiro
γ-ray irradiation effects in quartz, (3). 358873
The changes in resistivity of carbon-coated-film resistors by irradiation of cobalt-60 gamma-rays. 361096
Fujio, Y.
Channeling study on the thermal motion of deuterium in palladium alloy. (INIS-mf – 3996) 364131
Fujioka, G.
Backward particles from proton-nucleus interactions at high energies. 353966
Some features in rapidity space of multiparticle production by proton-proton collision at 102 GeV/c. 353970
Fujioka, Junzo
Creep properties of Hastelloy X and their application to structural design. 349481
Fujisaki, H.
Reggeized absorption with the clothed, physical Pomeron. 364498
Two-component structure of the geometrical pomeron. 354006
Fujisaki, Hideo
Supporting structure for fuel pins. 379569
Fujisaki, Katsuo
Statistical properties of strengths of graphites for high temperature gas-cooled reactor. 370118
Fujisaki, N.
Kinetic isotope effect for the reaction of a hydrogen atom with cyclohexane-h_{12}, cyclohexane-d_{12}, cyclohexane-1,1,2,2,3,3-d_6 as studied by the radiolysis of water vapor-cyclohexane mixtures. 351635
Fujisaki, Saburo
Study on measurement of trace radioactivity, (2). 359574
Fujisawa, Hoboru
Measurements of plasma energy losses to the wall in JFT-2. (ZAED-tr – 77/2) 350936
Fujisawa, Noboru
JFT-2 tokamak neutral injector and preliminary results of additional heating experiment. (JAERI-M – 7043) 366634
Fujishiro, Masatoshi
Characteristics of Tm-170 for industrial radiography. 367886
Fitting function for the thermal neutron distribution in water due to a ^{252}Cf source. 355086
Simplified water bath method for calibrating a ^{252}Cf source. 360576
Fujishiro, T.
Cladding temperatures, deformations, and failure thresholds during power bursts. 352228
Light water reactor fuel response during reactivity initiated accident type tests. (TFBP-TR – 246) 379245
Fujishiro, Toshio
Measurement and evaluation on pulsing characteristics and experimental capability of NSRR. 355483
Fujita, A.
Appearance energies of indium complex compounds determined by the ^{115}In(γ, γ')sup(115m)In reaction. 357128, 369771
Fujita, H.
High power CO_2 laser system for plasma research (Lekko I). (IAEA – 200) 353600
Fujita, Hiroshi
Anomalous transmission of electrons at high energy. 353421
The effect of reflecting condition on the secondary defect formation in copper by electron irradiation. 353491
Fujita, J.
Tokamak experiments on JIPP T-II device. (INIS-mf – 3963) 371853
Fujita, Junji
New lens system using toroidal magnetic field for intense ion beam. 353594, 353596
Fujita, M.
Application of image detector to external counting of low energy γ-emitters in lungs. 371132
Fujita, T.
"Correlated clusters" and inclusive spectra of energetic protons at 180° in proton-nucleus collisions. 351280
Backward-pick-up reactions for inclusive spectra of energetic deuterons at 180° in proton-nucleus collisions. 372612
Calculation of emission cross-sections on the dissociative excitation of H_2O by electron-impact. 368633
Fujita, Takehisa
Strange giant resonance in (K^-,π^-) reaction. 354213
Fujita, Takeyoshi
Dissociative excitation of water molecule by electron impacts, 1. 353242, 353243
Fujita, Yoshihisa
Analysis of plutonium MUF. (PNCT – 831-76-01) 380139
Fujiwara, Akio
The fluorometric determination of indium with 8-quinolinethiol. 359715
Fujiwara, Atsushi
Electron-microscopic changes in squamous cell carcinoma of the uterine cervix following linac irradiation. 349762
Fujiwara, F.
Deuterium NMR study of the degree of order of hydrocarbon chains in lyotropic mesophases. 350848
Fujiwara, I.
Cross sections of the ^{63}Cu(p, 3n)^{61}Zn and the ^{63}Cu(p, p3n)^{60}Cu reactions. 359512
Fujiwara, Ichiro
γ-radiolysis of aqueous solutions of tellurium. 354445
A fundamental research for the production of ^{238}Pu. 359511
On-line isotope separator and various studies using it. (KURRI-TR – 145) 377948, 378004, 378147, 379488, 379990
An outline of the high flux reactor ISOL (on-line isotope separator) project. (KURRI-TR – 146) 378078, 379839
Fujiwara, M.
Dislocation interaction with radiation-induced single halogen interstitials in KBr. 375956
Fujiwara, Mamoru
Nuclear structure study of ^{150}Sm, 2. 354211
Fujiwara, Masami
Helically symmetric equilibrium of current-carrying finite beta plasma. (IPPJ – 270) 353605, 353607
Fujiwara, Noboru
Continuous energy spectra of alpha-particles from ^{11}B(p, α)^{8}Be reaction. 354188
Fujiwara, Shizuo
ESR of hot ions. 359770
Fujiwara, Toshitaka
Vapor temperature control device for fast breeder reactor plant. 368065
Fujiwara, Tsutomu
Deep inelastic scattering in an asymptotically free gauge theory. 372418
Fujiwara, Yoshikazu
Three-alpha structure of ^{12}C in the boson model. 359443
Fukada, T.
Cavitation tests for a main circulation pump of JOYO primary circuit. (IWGFR – 9) 350255
Fukada, Yutaka
Balloon observations on the lunar occultation of the hard x-ray source in the Crab Nebula. 348993
The precise measurement of nebula by utilizing the lunar occultation. 377608
Fukai, R.
Method for multi-element alpha-spectrometry of actinides and its application to environmental radioactivity studies. 364876
Fukai, Y.
NMR studies of anomalous diffusion of hydrogen and phase transition in vanadium – hydrogen alloys. 362492
Fukamachi, T.
Experimental confirmation of the isotopic volume effect in superconducting molybdenum by means of energy-dispersive x-ray diffraction at low temperatures. 351786
Fukami, Yukito
Effects of gamma-ray irradiation on rabbit lens. 360263
Fukano, K.
Study of radiation-induced polymerization of vinyl monomers adsorbed on inorganic substances. X. Influence of H_2O on the styrene-silica gel system. 373046
Fukase, Masayuki
A radiation-induced pharyngeal cancer. 349767
Fukawa, M.
Inclusive Λ, anti Λ and Σ^{+-}(1385) production in 405 GeV/c pp interactions. 377810
Fukaya, M.
Effect of irradiation temperatures on hydrogen atom reactions in neopentane and its mixtures irradiated at 4.2 and 77°K as studied by electron spin resonance. 357153
Fuks, D.L.
Pseudopotential method and thermodynamics of alloys. 373248
Variation of interatomic interaction and lattice parameters in alloys during ordering. 369947
Fuks, Z.
Effect of quinacrine on survival of ultraviolet-irradiated uvr, rec, lex and pol mutants of Escherichia coli K-12. 354756

Fukuchi, Minoru
Basic study of an introduction of ^{123}I to thyroid examination with RI in vivo. 379186
Fukuda, Eiko
Effect of fat intake on cholesterol turnover and bile acid formation. 349841
Fukuda, Hiroshi
Compton radiography, 1. 349868
Compton radiography, 2. 379196
Meson spectra in meson's fragmentation region in meson-nucleon collisions by new type of quark cascade model. 353806
Fukuda, Jinzo
Investigation of radiation proctitis in the Department of Surgery of the Gifu University. 367532
Fukuda, Kenzo
The study of thermochemical hydrogen preparation, (2). 354329
Fukuda, Kuniya
Line broadening measurement in high density plasma, 1. 353608
Fukuda, M.
DC current generation by RF travelling field in a magnetized plasma. (INIS-mf – 3963) 371854
Fukuda, Masaji
Current sustaining by RF travelling field in a collisional toroidal plasma. (IPPJ – 292) 366541
DC current in the collisionless limit induced by a travelling wave. (IPPJ – 284) 366597
Fukuda, Morimichi
Purification of rat intestinal receptor for intrinsic factor-vitamin B_{12} complex. 367720
Fukuda, Nobuo
Fundamental studies on clinical application of ^{13}N-ammonia. 349805, 349837
Fukuda, R.
Tachyon bound state in Yang-Mills theory and instability of the vacuum. 372419
Fukuda, Toshio
A study on automatic diagnosis of abnormality in nuclear reactor systems. 360767
Fukuda, Yuichi
An evaluation of filtering materials used for collection of airborne particulate matters for neutron activation analysis. 379445
Fukue, Hisayoshi
Leakage characteristics for pressure vessel appurtenances. 374157
Fukuei, Keisuke
Appearance of newly formed mRNA and rRNA as ribonucleoprotein-particles in the cytoplasmic subribosomal fraction of pea embryos. 349879
Fukugita, M.
Nonleptonic decays of kaons in the 1/Nsub(c) expansion. 369280
Radiative transitions of new particles and the puzzle of cc-bar pseudoscalar mesons. 359222
The sign of the phi-ω mixing and the origin of violation of the Okubo-Zweig-Iizuka rule. 353757
Fukuhara, Akio
Limit of use in low temperature region of carbon steel and low alloy steel plates. 359922
Fukuhara, S.
Field emission current instability induced by migrating atoms on W(310)surface. 373284
Fukui, K.
The scattering constant for multiply charged particles in emulsions. 369384
Some aspects of 400 GeV proton interactions in nuclear emulsions. 366899
Studies of Ca^+ implanted Mo foil by means of work-function measurements and AES. 367333
Fukui, M.
The prediction of the behavior of long-lived radionuclides through a saturated sandy layer. 370279
Fukui, Masami
Behavior of radioactive nuclides in saturated sandy layers. (KURRI-TR – 144) 349624
Study-meeting report on movement of radioactive materials in the environment. (KURRI-TR – 144) 349624, 349645
Transportation of long-lived radionuclides in soil water. 354650
Fukui, T.
The cosmological term and a modified Brans-Dicke cosmology. 364318
Fukui, Yasuhisa
Tunicamycin inhibits biosynthesis of acid mucopolysaccharides in cultures of chick embryo fibroblasts. 367714
Fukui, Yasuo
Radio brightness distribution of M 17 and Orion A at 3.5-mm wavelength. 366698
Fukuma, Hitoshi
Design of a high-intensity, high-momentum-resolution, low-energy separated beam. (KEK – 76-15) 355211
Fukumoto, Hiroshi
System for positioning a control rod drive for a boiling water reactor. 368121
Fukumoto, S.
Recent progress in KEK preinjector. 363231
Fukumoto, Sadayoshi
Proposals of medical accelerators. 350063
A pulse-operated polarized H^- ion source of lamb-shift type. 355199
Fukumura, Takashi
Plasma acceleration by means of microwave radiation pressure. 371855
Fukunaga, Kiyoji
Continuous energy spectra of alpha-particles from $^{11}B(p, \alpha)^8Be$ reaction. 354188
Fukunishi, Kohyu
Coherence analysis of boiling water reactor noise. 355248
Fukunishi, Koyu
Measuring instruments of void quantity in nuclear reactors. 368053
Fukuoka, N.
Annealing of germanium crystals irradiated at about 6 K. 370157
Fukuoka, Takashi
The luminosity function for globular clusters, 3: M92. 348994
Fukushima, E.
Boron-11 NMR study of the large angle anisotropic motion of $B_3H^-_8$ in $(CH_3)_4NB_3H_8$. 351857
Pressure dependence of the melting and α-β phase transition temperatures of carbon monoxide. 351858
Fukushima, H.
Backward particles from proton-nucleus interactions at high energies. 353966
Positrons as the probe of phase transformations in Cu-Mn alloy. 374708
Fukushima, M.
Measurement of polarized target asymmetry in $\gamma p \rightarrow \pi^+ n$ below 1.02 GeV. 369371
Propagation and reflection of lower hybrid waves launched by slow waveguiding circuits. 353643
Fukushima, T.
Power supply for the bias of the screen grid of VHF power amplifier for the 1.3 GeV Electron Synchrotron. (INS-TH – 113) 379494
Fukushima, Yutaka
Container for a liquid metal cooled reactor. 368223
Fukuyama, Atsushi
Stochastic acceleration by an electrostatic wave near ion cyclotron harmonics. (IPPJ – 259) 353550
Fukuyama, Hidetoshi
Theory of upper critical field of superconducting alloys. 359208
Fukuyama, T.
Optical model and close-coupling analysis of He* (2^1S) + Ne differential elastic scattering. 358828
Fukuyama, Takaya
Comparison of regional myocardial perfusion determined by ionic ^{86}Rb to that determined by microsphere in ischemic dog hearts. 367568
Fukuzaki, Takaharu
Pressure adjusting apparatus in a reactor. 368054
Fukuzawa, Fumio
Excitation of nitrogen molecules by the impact of 80-160 keV protons. 377042
Fulde, P.
Line width of crystal-field excitations due to electrons and phonons. 378595
Line width of crystal-field excitations in metallic rare-earth systems. 355947
Fulfaro, R.
Design, construction and description of a triple axis neutron crystal spectrometer. (IEA – 477) 351352
Study of the interaction of slow neutrons with DNA molecules: hydration and moving freedom of hydrogen atoms. 354751
Thermal neutron spectra measurements in IEAR-1 Reactor, by using a crystal spectrometer. (IEA – 397) 354189
Fulford, P.J.
Effective operator selection for fossil fuel and nuclear power plants. (EPRI-SR – 28) 352985
Fullam, H.T.
Containment of strontium fluoride at 800°C: supplemental screening tests. (BNWL – 2259) 357882
Fuller, G.M.
Fusion reactor first wall/blanket systems analysis: tokamak concepts. (EPRI-ER – 582) 377406
Fuller, L.C.
Assessment of a small pressurized water reactor for industrial energy. (ORNL/TM – 5881) 374191
Technical and economic studies of small reactors for supply of electricity and steam. 371247
Fuller, R.C.
Reaction cross sections for $^{16}O + {}^{16}O$. 359500
Reaction cross sections for $^{16}O + {}^{16}O$. (CRN-PN – 77-4) 354221
Fullerton, G.D.
Physical aspects of electron-beam arc therapy. 363076
Fullwood, R.
VISA: a method for evaluating the performance of integrated safeguards systems at nuclear facilities. (NUREG – 0317(Vol.1)) 363725, 363726
Fullwood, R.R.
Applicability of the Reactor Safety Study (WASH-1400) to LMFBR risk assessments. (CONF-761001 – P2) 362909
Application of the Bayes equation to predicting reactor system reliability. 362924
Data and assessment of human factor impact on nuclear reactors. 352229
Preliminary accident radiological risk assessment of a large commercial MOX fuel fabrication plant. 352318
Preliminary risk analysis of the transportation of nuclear waste. 352319
Fulmer, C.B.
Characteristics of an intense neutron source based on the d+Be reaction. 355204
Fulrath, R.M.
Mechanical properties of porous PNZT polycrystalline ceramics.

(LBL – 6683) 373290
Fumelli, M.
Preliminary experiments on energy recovery on a neutral beam injector. (EUR-CEA-FC – 900) 353551
Funabashi, K.
Field-dependent electron mobility in methane-ethane liquid mixtures. 362278
Inverse isotope effect for electron transfer reactions in ethanol. 369806
Funabayashi, Toshiharu
Properties of a windowless gas-flow G-M counter for TSEE. 350322
Funada, T.
Structural analysis and evaluation for the design of pressure vessel. 350127
Funahashi, A.
Reduction of power loss due to heavy impurities in Diva. (INIS-mf – 3963) 372098
Funahashi, Akimasa
Diagnostic planning in JT-60 project. (JAERI-M – 7220) 366591
Evaluation of radiation cross sections of K x-rays and application to measurement of metal impurity densities in high-temperature plasma. (JAERI-M – 7196) 368971
FIR-interferometer for JT-60. (JAERI-M – 7121) 366563
An intrinsic germanium Ge(I) detector for measurements of soft x-ray spectra radiated from high temperature tokamak plasmas. 358972
JFT-2 tokamak neutral injector and preliminary results of additional heating experiment. (JAERI-M – 7043) 366634
The local counting efficiency of a Ceratron multiplier for plasma diagnoses on charge-exchanged fast atoms. 353642
Funakoshi, Takahisa
Oxidation or reduction of ferrous sulfate and other solid inorganic substances induced by γ-irradiation. 373069
Fung, P.C.W.
The equation of polarization transfer in an inhomogeneous magnetized plasma. II. 371857
Non-linear scattering probability of longitudinal plasma waves in a magnetoactive plasma system. 371856
Fung, W.K.
Fermi surface changes in dilute magnesium alloys: a pseudopotential band structure model. 362404
Funk, C.W.
Review of sodium removal processes using water. (CONF-760503 – P2) 352744
Funk, E.G.
Band structure in ^{147} ^{149} ^{151}Eu observed via (HI,xn) reactions. 351350
Funk, H.J.
Super currents through superconducting-normal-superconducting proximity layers. I. Analytic solutions. 356358
Funk, L.W.
Experimental measurements on a 25 MeV reflexotron. 363340
Funke, K.
Quasi-elastic neutron scattering on α-AgJ: discussion of new results of measurement. (AED-Conf – 77-163-006) 350725
Funke, L.
Evidence for rotational band structures in the N = 88 nulide ^{153}Tb. (ZfK – 336) 364834
Experimental investigation at the tandem accelerator EGP-10-1 of the Central Institute of Nuclear Research, Rossendorf. 357937
Investigation of high-spin states and decay of an 11/2$^-$ isomer in ^{151}Tb. (ZfK – 336) 364789
Investigation of isub(13/2) excitations in ^{197}Hg and ^{191}Pt. 372774
Investigation of the $i_{13/2}$ excitation in ^{197}Hg. (ZfK – 336) 364790
Proton-neutron excitations on the high-spin states of ^{95}Tc. 367013
Quasi-rotational bands in ^{80}Kr. (ZfK – 336) 364769
Rotational bands and a high-spin isomer in ^{178}Ta. (ZfK – 336) 364765
Funke, P.
Plutonium recycling in LWR reactors. 371255
Fuochi, P.G.
Radiation induced one-electron reduction of cobalt(II) and rhodium(I) complexes containing diphosphines in methanol. 359796
Fuoss, R.M.
The role of dielectric constant and viscosity in the theory of electrolytic solutions. (INIS-mf – 4127) 364015
Furber, B.N.
The design, development and commissioning of the AGR insulation. 352682
Furkert, Kh.-I.
Coating for a reactor pressure vessel. (Soviet patent document 489362/A/) 376482
Furlan, G.
Properties of O(4) x O(2) symmetric solutions of the Yang-Mills field equations. 368514
Furlan, P.
Unified models and unitary symmetry. (IC – 76-90) 361251
Furlinska, L.
Uranium determination in biological samples by means of solid state track detectors. 373609
Furman, K.S.
Radioisoisotope tracking level gage-regulator. (Soviet patent document 381064/A/) 355105
Furman, M.A.
Software structure for the IBR-2 measuring module. (JINR – 10-9060) 366212
Furman, V.I.
(n, α) reaction for deformed and transition nuclei. (INIS-mf – 3897) 354140
Effect of highest configurations of the alpha-particle internal wave function on alpha transtion probabilities in spherical nuclei. 377904
Strength functions of primary soft gamma transitions near the neutron binding energy. (INIS-mf – 3897) 354275
Furmanska, B.
Inclusive data in proton-nucleus collisions at 67, 200, and about 3000 GeV. (INP – 872/PH) 375063
Furnsinn, H.J.
The Tullnerfeld power station reactor protection system. 358182
Furr, A.K.
Determination of fluorine by neutron activation analysis. 364884
Furrer, A.
Crystal field effects in metals and alloys. 378583, 378587, 378591, 378592, 378595, 378596, 378601, 378602, 378605, 378611, 378622, 378625, 378632, 378634, 378635, 378636, 378637, 378642, 378644, 378645, 378654, 378656, 378668, 378671, 378672, 378674, 378678, 378689, 378696, 378697, 378703, 378713, 378720, 378721, 378726, 378728, 378744, 378752, 378760, 378771, 378793
Crystal field in liquid rare earth metals. 378689
Crystal field in metallic actinide compounds. 367245
Crystal-field splitting and relaxation effects in CeAs. 378637
Neutron crystal-field spectroscopy in $PrSn_3$. 378622
Neutron scattering investigations of the $LaNi_5$ hydrogen storage system. 367243
Furrer, H.
Concerning calculation and construction of the natural-draft cooling tower of the Goesgen-Daeniken nuclear power station. 367931
Furrer, J.
Ageing and poisoning of iodine sorption materials. (KFK – 2435) 357920
Development of exhaust air filters for reprocessing plants. (KFK – 2435) 357919
Fursdon, P.S.
Gonad dose in cineurethrocystography. 379335
Fursov, V.V.
The application of direct-charge detectors for power monitoring of PWR reactors. 379583
Some results of in core measurements. 368138
Furst, D.A.
Superconducting state as a magnifier for the study of phonon interactions. 373189
Furst, M.
Spacecraft-produced neutron fluxes on Skylab. 372244
Furubayashi, T.
The effect of the pellet-cladding mechanical interaction on a nuclear fuel quality assurance system. 376438
Furuhama, Shoichi
Abnormal wear of exhaust valve seat under use of lead-free gasoline. 373981
Furui, Sadataka
The effect of the two-body correlation on $^{13}C(\pi^+,\pi^0)^{13}N$ scattering. 359400
Furuichi, Susumu
Di-baryon resonances and a new scheme of di-nucleon Regge trajectories. 353807
Furukawa, K.
Air contamination effects on the compatibility of liquid lithium with molybdenum, TZM, niobium, stainless steels, nickel and Hastelloy N in stainless steel vessels at 600°C. 373217
Furukawa, Kazu
Feedwater control system for a nuclear power plant. 368076
Furukawa, Kazuo
Establishment of corresponding-state principle to molten fluoro-beryllates and silicates and its application. 359604
Self-diffusion coefficients of fluorine in molten LiF-BeF_2 mixture system. 359669
Self-diffusion of lithium in molten Li_2BeF_4. 367087
Furukawa, S.
Channeling studies of radiation damage in metal-silicides. 370167
Furukawa, Shigeko
Detection of abnormal value due to uncleanness in thermoluminescence dosimeter element for personal monitoring, (1). 379347
Furumi, Masatomo
Crossfield-current-driven electrostatic instabilities in an inhomogeneous magnetoplasma. 353657
Furuno, S.
Localization of electron current density and its effect on damage production in a molybdenum crystal. 365241
Furuse, Takeshi
Comparative study on radiosensitivities of cultured cell lines derived from several human tumors under hypoxic condition. 360222
Furuta, Junichiro
γ-ray irradiation effects in quartz, (3). 358873
The changes in resistivity of carbon-coated-film resistors by irradiation of cobalt-60 gamma-rays. 361096
Characteristics of Tm-170 for industrial radiography. 367886
Fitting function for the thermal neutron distribution in water due to a ^{252}Cf source. 355086
The large radiation dosimetry with Perspex, (3). 361038
Simplified water bath method for calibrating a ^{252}Cf source. 360576
Furuta, T.
A low-cost XRF system for on-stream analysis of slurries. 376691
Furuta, Toshishiro
Comparison of measured doses by film badge and other personnel dosimeters. 379342

Furuta, Y.
Neutron dosimetry by thermoluminescence dosimeter. 363565
Furutani, Y.
Nonlinear propagation of the ordinary mode in a hot magnetoplasma. (IPPJ – 265) 353573, 368965
Furuto, Y.
Flexible multifilamentary compound superconductor. 359884
Furuya, H.
Migration rate of lenticular voids in UO_2 under the influence of temperature gradient. 370112
Furuya, Hirotaka
Examination of compatibility between fuel and cladding. (PNCT – 831-76-01) 380126
Fracture strength of UO_2. (PNCT – 831-76-01) 379526
Fuel cladding mechanical interaction, (1). (PNCT – 831-77-01) 379577
Thermal densification of mixed oxide fuels. (PNCT – 831-77-01) 379574
Furuya, K.
Sum rules and superconvergence for the optical constants influencing optical activity, and for Faraday effect and Voight effect. 353164
Furuya, Keiichi
Comparison of surface sputtering characteristics by a low energy secondary ion mass analysis using a quadrupole type analyser with those by Auger electron spectrum analysis. 354311
Furuyama, Masayuki
Practical superconducting generators. 355128
Furzikov, N.P.
Isotope-selective dissociation of the OsO_4 molecule by two pulses of infrared radiation at different frequencies. 359582
Fuse, T.
Mock-up experiment and analysis for the primary shield of the N.S. MUTSU. 368262
Fushchich, V.I.
On the Galilean-invariant equations for particles with arbitrary spin. 353077
Fushchits, V.I.
Reduction of irreducible unitary representations of generalized Poincare groups by their subgroups. 348607
Fushe, R.
Comptetition of nuclear shapes in Hg, Au and Pt isotopes near A = 186. 377984
Fushimi, F.C.
Controllable unit approach to material control. 380135
Nuclear power: new technique for safeguarding special nuclear material. (MLM – 2474(OP)) 374508
Fuss, I.
Factorized distorted wave approximation for the (e,2e) reaction on atoms: coplanar symmetric. 353383
Ionisation of atomic hydrogen: angular correlations of the outgoing electrons. 361403
Fuss, W.
The development of a high-power iodine laser in plasma physics institute in Garshing, GFR. 361426
Fussa, A.D.
Method and equipment to harden coatings on sensitive carriers using electron irradiation. (German (F.R.) patent document 2542575/A/) 367893
Fussell, J.B.
Computer aided approach to qualitative and quantitative common cause failure analysis for complex systems. (CONF-770438 – 3) 352393
Quantitative evaluation of nuclear system reliability and safety characteristics. 357769
Fustec-Mathon, E.
Analysis and role of bitumens in acid sandy soils. 357658
Futamoto, M.
Field-emission and field-ion microscopy of lanthanum hexaboride. 351826
Futatsugi, Masao
Apparatus for mounting a neutron measurement monitor in a reactor. 368097
Futch, A.H.
Streaming-plasma measurements in the Baseball II-T mirror experiment. (UCRL – 52279) 356104
Futo, A.
Determination of the spectral characteristics of electron pulsations according to the Intercosmos-5 data. 367443
Inclusive spectra in anti pp interactions at 22.4 GeV/c. 353941
Polar coupling coefficients for cosmic ray multiple neutrons with energies up to 15 GeV. 367422
Futrell, J.H.
Reactions of $CH_3^+(CD_3^+)$ with C_3H_6O isomers. 364995
Futrell, R.C.
Results of the ALARA Program at the Oconee Nuclear Station. 357829
Fuyuki, M.
Microscopic study of band structure in "spherical" odd-A nuclei. (ZfK – 336) 364721
Fyk, N.
CAMAC interface module for paper tape punches type PL-150 and PL-80. 376678
Fynbo, P.B.
Magnetic properties of thulium. 350727
Ga, Eiichi
Method of detecting failed fuel in a reactor. 350152
Gabaglio, M.
Italian progress on light-water reactor fuel design, manufacturing, testing and management. 365873
Gabanets, I.
Investigation of the capture system without change in-injected electron energy. (JINR-R – 9-9139) 355185
Two-coil monitor for measuring parameters of an electron ring in an adgezator during compression. 363232
Gabathuler, E.
Observation of a baryon exchange dip and parton effects in backward photoproduction of ω. 372513
Physics with very high energy e^+e^- colliding beams. (CERN – 76-18) 375013
A 480-channel lead glass Cherenkov detector. 355498
Gabay, J.
Evaluation of the multielement content in aerosol samples and their sources in Israel's urban environs by radioisotope excited XRF analysis. (IA – 1338) 364849
Gabbe, D.
Magnetic, optical, and magneto-optical behavior of $LiTbF_4$ and KTb_3F_{10} crystals. (UCRL – 79725) 373346
Gabedava, A.A.
Investigation of GeTe homegeneity region. 367070
Gabelman, J.W.
Migration of uranium and thorium: exploration significance. 351926
Gabeskiriya, V.Ya
Some technical aspects of accounting for and control of nuclear material at nuclear fuel cycle facilities in the USSR. 371289
Gabitov, R.M.
Mine gamma spectrometer. 360143
Stabilization of spectrometers energy scale by gamma reference point in sampling radioactive ores. 360167
Gabler, M.J.
Vibration tests of a full scale water model of a Clinch River steam generator module. (TID – 27821) 374244
Gablin, K.A.
Design and construction of a Type B overpack container for the safe transportation of enriched uranium hexafluoride. 350017
Gabor, J.D.
Heat removal from molten fuel pools. (CONF-761001 – P4) 362856
Studies of the formation and cooling of particulate fuel debris beds in sodium. (CONF-761001 – P4) 363016
Gaboriaud, M.
Drop test of a hundred-tonne packaging for the shipment of irradiated fuel – Deformation calculated by a computer code and experimental verification. 350015
Gaboriaud, R.J.
Climb model of extended dislocations in f.c.c. metals. 357415
Gabovich, R.D.
Effect of methyl mercaptophos in different combinations with elevated atmospheric temperature and ultraviolet radiation. 349736
Gabrianovich, B.N.
Averaged characteristics of an air turbulent flow in the entrance region of a circular tube. (FEI – 599) 349981
Gabriehl', F.
Delay unit with adjustable limits and output cascade for pulse forming. (JINR-R – 13-10697) 371098
100 MHz measuring generator. (JINR – 13-9676) 379997
Gabriehlyan, S.G.
Corrosion of stainless steels during their polarization in nitric acid solutions with additions of sodium sulfite, hydroxylamine sulfate and hydrazine hydrate. 367183
Gabriel, A.
Creation of point defects in germanium by plastic deformation. 370124
Gabriel, D.W.
Induced conditional mutants for studying host/pathogen interactions. 373710
Gabriel, H.
Production of high circular polarization by ion surface scattering of ferromagnets. 355893
Gabriel, K.L.
Sweet cherries, apricots and prune-plums. 367670, 367671
Gabriel, T.A.
Neutronics and radiation damage calculations for fusion reactors. (CONF-771036 – 4) 371716
Sensitivity of primary knock-on atom spectra and displacement per atom cross sections to different secondary neutron energy and angular distributions and "in-group" weighting schemes. (ORNL/TM – 6108) 377839
Sensitivity of the first-wall radiation damage to fusion reactor blanket composition. (ORNL/TM – 6105) 377342
Gabriel, W.
Determination of the longitudinal and the transverse part in π^+-electroproduction. (DESY – 77/64) 366892
Elastic π^0 electroproduction above the resonance region. (DESY – 77/42) 364562
Electroproduction of neutral pions and test of the quark-parton model. 356394, 364561
Inclusive spectra of electroproduced K^+-mesons. (DESY – 77/49) 364578
Gabrielli, F.
Contamination prevention of superheaters and reheaters during initial startup and operation. 369817
Gabrielli, I.
Theoretical model of light-pulse propagation in pipes verified by single-photon technique. 379969
Gabrielse, G.
Coherent-state multipole moments: Source of important scattering information. 363888
Material-dependent variations of alignment in beam-foil excitation.

366323
Optical observations of the dissociation of fast molecules in thin foils. 366322
Orientation of fast ions excited in surface collisions. (CONF-770642 – 11) 355857
Gabrielyan, R.G.
On the theory of spin-lattice relaxation due to diffusion to impurities in solids and liquids. 371553
Gabrovsek, Z.
Experience with the construction of Yugoslavia's first nuclear power plant. 360914
The nuclear fuel cycle for research and power reactors. 369844
Gabuniya, L.L.
Study on angular characteristics and multiplicity of secondary particles in cosmic hadron interactions with nuclei at mean energy 400 GeV. 361871
Gachot, B.
State of the art and perspectives for French reliability studies in the nuclear field. 370536
Gad, W.
Surface protection made of synthetic resins in nuclear plants. 365082
Gadalov, V.N.
Low-temperature transformation in nichromes. 375893
On electric conductivity of precipitation hardening heat resistant alloy on the nickel-chromium base. 369948
Gadda, F.
The fretting corrosion problem in water cooled nuclear reactors. 359825
Gadeken, A.D.
FFTF training program. 358314
Gadermann, E.
Evidence for the F meson. 353947
Measurements of tau decay modes and a precise determination of the mass. 372505
On the origin of inclusive electron events in e^+e^- annihilation between 3.6 and 5.2 GeV. 353772
On the semileptonic decay of charmed hadrons. 356496
Gadhia, P.K.
Effect of total body sub-lethal dose of gamma-irradiation on ascorbic acid levels in pigeon tissues. 373521
Effects of sub-lethal doses of γ-irradiation on phosphatases and succinate dehydrogenase levels in liver, kidney and spleen pigeons. 373544
Gadioli Erba, E.
An exciton model approach to the analysis of α-particle-induced nuclear reactions. 362062
Pre-equilibrium emission. 356600
Gadioli, E.
An exciton model approach to the analysis of α-particle-induced nuclear reactions. 362062
Pre-equilibrium emission. 356600
Gadiyar, H.S.
Oxidation of zirconium alloys. 367238
Gado, J.
Moments of the Fourier-transformed neutron slowing-down kernel. (KFKI – 77-44) 356535
Gado, M.H.
Correlation between computerized transaxial tomography and radionuclide cisternography in dementia. 352098
Gadow, A. von
Studies on radioiodine concentrations in air, precipitation, grass, cows' and goats' milk after the Chinese nuclear bomb test on September 26th, 1976. (STH – 3/77) 354673
Gadowska, M.
Radioiodination of L 1210 cells. 373657
Gadre, S.R.
Electron momentum distributions from valence-bond wave functions. 363889
Gadzhaev, F.A.
Study of conditions of cadmium cementation from sulfuric acid solution of zinc. (INIS-mf – 4040) 377013
Gadzhialiev, M.M.
Ettingshausen effect in indium antimonide. 361444
Thermo-EMF of n-InSb in a longitudinal quantizing magnetic field. 374709
Gadzhiev, F.A.
Behaviour of cadmium during hydrometallurgical processing of zinc ore. 375611
Gadzhiev, G.I.
Some technical aspects of accounting for and control of nuclear material at nuclear fuel cycle facilities in the USSR. 371289
Gadzhiev, S.A.
On the problem of summing up ladder diagrams in quantum electrodynamics. 355759
Gadzhieva, R.M.
Phonon drag in cadmium-doped mercury telluride crystals. 348753
Gadzhieva, S.I.
A study of inelastic pion-nucleus interactions at 200 GeV/c in an emulsion. 356481
Study of 200 GeV/c proton diffractive dissociation using the parametrically invariant quantity g_1. 369339
Gadzhun, V.K.
Glycerin-acid complexes of titanium and zirconium in solutions. 359707
Gadzjieva, R.M.
Measurement of thermal conducitivity of Cdsub(0,28) Hgsub(0.72)Te at hydrostatic pressure. 366389
Gaede, J.
A numerical method for the modification of radioimmunoassay atandard curves in order to fix the mathematical functions that obey the reaction kinetic model. (INIS-mf – 4010) 362814
Gaeggeler, H.
Experiments to produce isotopes of superheavy elements with atomic numbers 114-116 in ^{48}Ca ion reactions. 372801
Gaehde, J.
Radioluminescence investigations with silane modified polyethylene-kaolin compounds. 353460
Gaemers, K.J.F.
Energy dependence of neutral and charged current cross-sections from asymptotic freedom. 361774
Rare decay modes of the tau. 356416
Simple parametrizations of parton distributions with Q^2 dependence given by asymptotic freedom. 372375
Gaertner, C.
Repair of radiation-induced DNA strand breaks in thymocytes. 349696
Gaertner, D.
Transient turbulent heat transfer in annuli. 360593
Gaertner, K.
Studies on space dependence of the spectral density functions of neutron flux noise in pressurized water reactors. 365792
Gaertner, M.
Design of an irradiation device for the determination of the in-pile creep behavior of zircaloy cladding tubes under internal and external over-pressure, in FRG-2. 360737
Gaetano, G. De
Effect of two non tricyclic antidepressant drugs on [^{14}C]5-hydroxytryptamine uptake by rat platelets. 357626
Gaeumann, T.
Kinetic isotope effect for the reaction of a hydrogen atom with cyclohexane-h_{12}, cyclohexane-d_{12}, cyclohexane-1,1,2,2,3,3-d_6 as studied by the radiolysis of water vapor-cyclohexane mixtures. 351635
Radiolysis of hydrocarbons: chloroform in liquid hexane. 359815
Gaffei Junior, J.D.
Trapped-electron mode driven unstable by energetic ion beam injection in tokamaks. 364198
Gaffet, B.
Pulsar theory of supernova light curves. I. Dynamical effect and thermalization of the pulsar strong waves. 359087
Pulsar theory of supernova light curves. II. The light curve and the continuous spectrum. 359086
Gaffey Junior, J.D.
Instabilities driven by energetic ion beam injection. 364209
The velocity distribution of alpha particles in fusion reactors. 364246
Weak magnetic field limit of electromagnetic and electrostatic waves. 364199
Gafni, G.
Preparation of lead-tin telluride Pbsub(1-x)Snsub(x)Te at low temperature. (IA – 1339) 354485
Gagarin, Yu.F.
Specific features of treatment and use of plastic track detectors. 376624
Study on interactions of cosmic-ray relativistic nuclei with emulsion nuclei at total decay of a target nucleus and in peripheral collisions. 362110
Gagarina, V.A.
Investigation into infrared spectra of crystal molybdates and tungstates of rare earths, yttrium and scandium (the Eh_6MO_{12} composition). 375455
Gage, L.D.
Spectroscopic study of the $Tc_2Cl_8^{3-}$ ion. 362231
Gagen-Torn, V.A.
On a possible mechanism of the optical variability of Seyfert galaxies nuclei. 374908
Gagen-Torn, V.K.
Measurement of beam losses and nonuniformity of electroconducting coating of an acceleration tube of an induction linear accelerator. 370739
Gager, L.D.
Silicon diode detectors used in radiological physics measurements. Part I: Development of an energy compensating shield. 374317
Gagern, Ch. von
Evidence for the F meson. 353947
Measurements of tau decay modes and a precise determination of the mass. 372505
On the origin of inclusive electron events in e^+e^- annihilation between 3.6 and 5.2 GeV. 353772
On the semileptonic decay of charmed hadrons. 356496
Gagneja, M.R.
Pau mutant Basmati 370 – a semi-dwarf high yielding and high quality rice variety. 367648
Gagner-Milchert, I.
Studies on the placental transfer in rats of ^{59}Fe- and ^{14}C-labelled iron-poly(sorbitol-gluconic acid) complex. 367586
Gagnon, W.
Pulsed power supplied for large laser systems. (UCRL – 80133) 377370
Gagnon, W.L.
Fast optical shutters for Nova, a high power fusion laser. (UCRL – 79699) 377358
25 megajoule energy storage and delivery system for the Shiva laser. (UCRL – 79700) 374819
Gahan, E.J.
Implementation of Egypt's first nuclear power plant. 352535
Gahr, S.
Hydrogen embrittlement of Nb. I. Macroscopic behavior at low temperatures. 357187

Gai, P.L.
High resolution electron microscopy of boric acid-Nb_2O_5 complexes and doped Ta_2O_5 systems. 373296
Gailar, O.H.
Comparison of one- and two-dimensional models of a control rod ejection accident in the HTGR. 352239
Gaillard, J.M.
The neutral kaon system. (IN2P3 – 77-01) 369283
Non-leptonic interactions. (IN2P3 – 77-01) 369282
Semi-leptonic interactions. (IN2P3 – 77-01) 369281
Gaillard, M.K.
Charmed particle production. 353808
Non-leptonic interactions. (IN2P3 – 77-01) 369282
The phenomenology of the next left-handed quarks. 372405
Physics with very high energy e^+e^- colliding beams. (CERN – 76-18) 375013
The price of natural flavour conservation in neutral weak interactions. 353783
Semi-leptonic interactions. (IN2P3 – 77-01) 369281
Weak interactions. (IN2P3 – 77-01) 369281, 369282, 369283, 369295, 369296, 369297, 369319, 369326
Gaillard, Y.R.
The giant resonance region of ^{90}Zr via elastic scattering of 57.5MeV polarized protons. (ISN – 77-28) 359514
Giant resonances as doorways states in ^{12}C. (ISN – 77-43) 369476
Gaille, F.
Experimental study of the double charge exchange reaction $\pi sup(+)+{}_2{}^4He \rightarrow \pi sup(-)+4p$ between 1.5 and 2.0GeV/c. 362063
Gailloud, M.
The reaction anti pp→anti ΛΛ between 1.5 and 2.0 GeV/c. 377808
The reaction antiproton-proton $\rightarrow 3\pi sup(-)\pi sup(+)$ between 1.09 and 1.44 GeV/c and the effect of ππ phase shifts. 369372
Gaily, T.D.
Merged electron-ion beam experiments. 366315
Gainer, H.
An approach to the study of intracellular proteins related to the excitability of the squid giant axon. 373698
Gaines, E.E.
Fine-scale spatial structure in the pitch angle distributions of energetic particles near the midnight trapping boundary. 370294
Gaines, J.R.
Anisotropic N.M.R. spectra and the crystalline state of solid H_2. 356056
Gais, P.
Real-time automatic evaluation of solid state nuclear track detectors with an on-line TV-device. 368264
Gaiser, J.F.
The importance of differences in intrinsic cellular radio-sensitivity for the effectiveness of neutron radiotherapy treatments. 378955
Gaisser, T.K.
As estimation of the primary proton spectrum between 10^{12} and 10^{14} eV. 351256
Gaitinov, A.Sh.
A study of inelastic pion-nucleus interactions at 200 GeV/c in an emulsion. 356481
Gaj, E.V.
Analysis of neutron cross-sections in the resonance range by means of the Pade approximation. (INIS-mf – 4043) 363739
Application of the Pade approximation to the expansion of functions into sum of exponents for neutron physics problems. (INIS-mf – 4043) 361916
Pade approximation and problem of anharmonic oscillator in quantum mechanics. (FEI – 583) 363753
Gaj, G.I.
Cryogenic source of polarized hydrogen and deuterium atoms. 370735
Gajaraj, A.
Curve stripping of the third phase of the renogram in essential hypertension. 373622
Gajchenko, L.N.
Study of LET radiation effect on radiolysis and chemical stability of polycarbonate. 369799
Gajda, R.P.
Three-dimensional Lagrangian formulation of the classical relativistic two-body problem. 353078
Gajdaj, Yu.A.
Optical studies of magnetostatic type precession in yttrium ferrite garnet. 374710
Gajdamaka, A.P.
Quadrupole interaction in strontium titanate. 377217
Gajdosik, A.
Behaviour of ^3H-VUL 111 in rat organism. 373669
Labelling of Candida albicans and its behaviour in the organism. 373696
Gajduk, M.I.
On the electronic excitation of laser materials with high concentration of rare earth activators. (INIS-mf – 3955) 361425
Peculiarities of spectroscopy of rare earth ions in yttrium, lanthanum, gadolinium, lutetium oxysulfides. (INIS-mf – 3955) 378265
Gajdukova, S.V.
Use of statistic classification method for lithologic separation of rocks from complex geophysical measurements. 378853
Gajdym, I.L.
Analysis of kinetic clate of thermal decomposition of dodecacarbonyltriosmium on metals of insert periods. 369587
Gajewski, A.K.
Chromosomal aberrations in lymphocytes of persons occupationally exposed to radiaton from ^{226}Ra and ^3H paints. 379079
Late effects of irradiation of newborn mice with gamma rays. Pt. 4. Summary of investigation and the effect of sex and dose of radiation on the extent of radiation-induced injury. 373522
Two types of development of lens opacities in mice depending on age at the time of irradiation. 367503
Types and rate of cataract development in mice irradiated at different ages. 365383
Gajewski, J.J.
Thermal bridgehead double inversion of the 6-methylene-and 6-ethylidene-2-methylbicyclo[3.1.0] hexanes and related materials. Rotational kinetic deuterium isotope effects and the mechanism of the thermal interconversion of cis- and trans-2,3-dimethylmethylenecyclopropanes via orthogonal and planar trimethylenemethane singlet biradicals. 362179
Gajewski, W.
A measurement of the electromagnetic size of the pion from direct elastic pion scattering data at 50 GeV/c. 353922
Gajgerova, L.S.
Peculiarities of migration process of electronic excitation energy on impure rare earth centers in glass. (INIS-mf – 3955) 378268
Gajlitis, M.K.
Strong-coupling method in electron-atom collision theory. 353244
Gajlyunas, A.I.
Complexing of sulfides and sulfoxides with $Mo(CO)_6$. 369650
Gajtinov, A.Sh.
Coherent production of particles by 200 GeV/c pions on nuclear emulsion. 375061
Leading pions in πsup(-p) interactions at 11 GeV. 349091
Gajvoronskij, P.E.
Mass-spectrometric investigation of tellurium hydride. 351481
Gakh, G.I.
Limitation on the constant of heavy lepton radiative decay according to data of the $e^+e^- \rightarrow \gamma + \gamma$ reactions. (KFTI – 76-27) 361798
Radiative decay of etasub(c) and $e^+ + e^- \rightarrow \gamma + \gamma$ reaction. (KFTI – 76-27) 372420
Gakhramanov, N.F.
Photoconductivity and photoluminescence of InS monocrystals. 349229
Gal, A.
Isovector correlations and pion single charge exchange reactions in light nuclei. 372686
Multistep contributions to $^{13}C(\pi^+, \pi^0)^{13}N$ within a modified eikonal formalism. 369437
Gal'chak, V.P.
Structure of the eutectic In-Sn-Sb alloy in a liquid state. 378309
Gal'per, A.M.
Investigation into γ-quanta with the energy (> =) 40 MeV in the upper layers of the earth atmosphere. 357530
Periodic gamma radiation from the Cygnus X-3 discrete source. 364323
Gal'perin, A.S.
Pion polarizability in the linear sigma-model. (JINR-R – 2-10849) 377728
Gal'perin, Yu.I.
Large-scale longitudinal intrusion of auroral electrons. 376053
Gala, A.
Test and development of heat exchanger alloys for nuclear steam gasification of coal. 360875
Galakhmatova, B.S.
Study on proton polarization in elastic scattering on ^{24}Mg, ^{26}Mg. ^{32}S nuclei in the proton energy range 5-6 MeV by the thick target method. 378053
Galakhov, A.V.
Fabrication of sheets of composite materials with brittle filament without destructing them during rolling. 357227
On determination of optimum reductions during sheet rolling of composite materials. 357237
On the effect of stressed state scheme on superplasticity. 359923
Galakhov, F.Ya.
More accurate definition of liquation dome in Na_2O-B_2O_3-SiO_2 system. 378195
Galakhova, G.S.
Effect of composition and thermal treatment conditions on photochromic glass properties. 354595
Galaktionov, A.D.
On structural role of niobium in glasses of the K_2O-Al_2O_3-P_2O_5-Nb_2O_5. 378397
Spectral-luminescent characteristics of YVO_4-Nd in disordered phosphate matrices. (INIS-mf – 3955) 378266
Galaktionov, I.V.
The use of nuclear reactors for centralized heat supply and district heating. 371216
Galaktionov, V.D.
On raising of the Curie temperature of the EuO magnetic semiconductor. 374685
Galaktionov, Yu.
Total cross-section measurement of neutron interaction with protons and nuclei in the energy range from 26 to 54 GeV. (ITEF – 10) 356690
Galaktionov, Yu.V.
Elastic backscattering of pions minus on protons at 25 and 38 GeV/c. 369349
Galan-Sanches, N.I.
Catalytic activity of oxides of chromium, manganese vanadium, tungsten and molybdenum during hydrogenation of ethylene. 369642
Galan, L. de
Optimization of the microwave-induced plasma as an element-selective detector for non-metals. 354286
Spatial distribution of the temperature and the number densities

of electrons and atomic and ionic species in an inductively coupled RF argon plasma, ch. 3. (INIS-mf – 4089) 364214
Galan, P.
Czechoslovak intercomparison of personnel neutrons dosimetry methods. 349917
Galan, Zh.
Investigation into hydrogen diffusion in the armco-iron in the 0-300 deg C temperature range and influence of extensive stresses. 370042
Galant, E.I.
Multiplicity of neodymium optical centres in quartz glasses. 378201
On the efficiency of cooperative luminescence in activated glass. (INIS-mf – 3955) 378267
Galasiewicz, Z.M.
Problem of the existence of the Bose-Einstein condesate in superfluid helium. (JINR-D – 17-10529) 374999
Galasko, C.S.B.
The mechanism of uptake of bone-seeking isotopes by skeletal metastases. 354839
Galasso, S.F.
Processing eutectics in space. Final report, Jun 1973 – Jan 1977. (N – 77-23134) 362396
Galatanu, V.
Photoactivation analysis of impurities in zirconium oxide. 375265
Galbiati, L.
Pressure bursts due to power channel explosion in a pressure tube reactor. 376551
Galbraith, K.P.
Mixing vane grid spacer. (US patent document 4,039,379/A/) 363407
Nuclear fuel reactor. (German (F.R.) patent document 2602487/A/) 350143
Galbraith, P.
Measurement of the excitation of the coupling resonance Q/sub h/ – Q/sub v/ = 0. 363174
Galde, D.O.
Cooling towers. A bibliography, March 1976 – May 1977. (TID – 3360-S1) 352464
Gale, G.M.
Low temperature vibrational relaxation of sup(n)H_2 gas, liquid and solid. 353222
Gale, J.
Management of radioactive wastes from nuclear fuels and power plants in Canada. (AECL – 5706) 361100, 368362
Gale, J.E.
The Canadian program for storage and disposal of spent fuel and high-level wastes. 358529
Gale, N.L.
Development of technical specifications for EBR-II: some considerations for application to commercial LMFBR's. (CONF-761001 – P2) 365599
Gale, R.J.
Molecular beam study of the $H_2 – D_2$ exchange reaction on stepped platinum crystal surfaces: Dependence on reactant angle of incidence. 368696
Galeev, A.A.
Relaxation of high-current electron beams and modulation instability. 368945
Some data about near-earth shock wave structure, obtained by measuring alpha-particles at "Prognoz" satellite. 349676
Tearing instability in plasma configurations. 368944
Galeev, A.M.
Effect of anisotropy of spin-hamiltonian parameters upon EPR spectra of Cr(5) and Mo(5) complexes. 361445
Galeriu, A.
Proton scattering on ^{238}U and the probable isobaric analogue resonances. 356579
Galeriu, D.
Potential barrier parameter systematics for the U, Pu, Am, Cm and Bk isotopes. 377976
Gales, S.
Deeply bound hole states and isobaric analog states in ^{89}Zr. 354191
Neutron-hole strengths and isobaric analog states in ^{95}Zr. 354190
Spectroscopic study of ^{55}Co via the $^{54}Fe(tau,d)^{55}Co$ and $^{54}Fe(tau,dp(tilde))^{54}Fe$ reactions. 354186
Galiana, R.
Reconstructed CERN 600 MeV synchro-cyclotron. 363131
Galibois, A.
Fe_2Nb precipitation and its effect on the aging characteristics of iron – 1 percent niobium alloy. 369977
Galic, H.
Comment on the renormalization of four-dimensional operators. 371376
Galik, G.
Electroproduction of phi mesons. 359337
Galimov, M.D.
Use of slimes formed in electrochemical treatment of nickel base alloys. 351705
Galin, J.
Evidence for a short lifetime and a long lifetime regime in the deep inelastic collisions between ^{40}Ca and ^{64}Ni at 182 MeV. 372694
Fusion and deep inelastic collisions studied on the Ar + Au system. Pt. 2. 356765
Galin, N.M.
Heat transfer in a turbulent flow in tubes with constant on length and variable on circumference heat flux on a wall. 370708
Heat transfer in ring cross-section tubes at constant heat-physic properties and boundary conditions of qsub(w) = const. 373991
Galinier, J.-L.
Nuclear charge dispersion studies in the light-mass region formed in the fission of ^{238}U by protons of energy 35-85 MeV. 362064
Galinier, J.L.
Preparation of carrier-free Kr by (p,xn) reactions on natural bromine. 365655
Galishev, V.S.
On the calculation of gamma spectra by the Ivon-Mertense method. 369396
On the nonstationary gamma transport theory in the small-angle scattering approximation. 377845
Galitski , V.Yu.
Scheme of hydrogen bonds in lanthanum perrhenate tetrahydrate $La(ReO_4)_3x4H_2O$. 359653
Galitskii, V.M.
The influence of a phase transition on the shock wave dynamics in nuclear matter. 377878
Galjaard, H.
Electron-microscopic autoradiography of tritiated testosterone in rat testis. 357636
Galkiewicz, R.K.
Saturated superfluid He^4 film flow: the behavior of Atkins oscillations and third sound in the presence of persistent currents. 372328
Galkin, A.A.
Nonlinear changes in energy gap and phonon frequencies of indium under pressure. 353422
Galkin, A.M.
Rational thermomechanical parameters of pressing granulated heat resistant alloy-EhP741. 349391
Galkin, B.D.
Phase composition of materials formed during vacuum heating of mixtures of the Al_2O_3-Ta system. 349569
Phase composition of the products from reaction of molten Al_2O_3 with solid Ta in vacuum. 369684
Galkin, B.Ya.
Release of volatile fission products from atomic power stations and fuel reprocessing facilities to the atmosphere and the outlook for their recovery. 367194
Requirements for extraction systems with regard to limiting radiation loads in reprocessing of fast reactor fuels. (IAEA-AG – 63-19) 362338
Galkin, L.N.
Metastable αsup(')-phase in system of vanadium-nitrogen. 351489
Galkin, N.P.
Investigation of fission products behaviour in application to fluoride method of oxide fuel regeneration. 378566
Galkin, V.M.
Device for drift tube alignment. (Soviet patent document 413649/A/) 355191
Galkin, V.S.
Chapman – Enskog generalized method. 366412
Galkin, V.Yu.
Hall effect and transversal magnetoresistance in invar iron-nickel alloy single crystals at low-temperatures. 378580
Galkin, Yu.A.
Conditions for producing tensile adhesion of reinforcing fibers to matrix in plasma semi-products of composite materials. 365127
Galkina, O.S.
Hall effect in rhenium single crystals at low temperatures and under hydrostatic pressure. 369976
Galkina, T.G.
Design of high-voltage and low-voltage power supplies for the DTRT(T-20) injector facility. (INIS-mf – 3954) 361536
Gall, H.
Off-shell T-matrix elements for singular nucleon-nucleon interactions. 353916
Gall, R.N.
Charged particle analyzer. (Soviet patent document 433435/A/) 355489
Gall', R.N.
Charged particle analyzer. (Soviet patent document 433435/A/) 355490
Gallagher-Daggitt, G.
A report on the Basque Superconducting Solenoid project. 360720
Gallagher, B.M.
Radiopharmaceuticals. XXVII. ^{18}F-labeled 2-deoxy-2-fluoro-D-glucose as a radiopharmaceutical for measuring regional myocardial glucose metabolism in vivo: tissue distribution and imaging studies in animals. 373600
Gallagher, G.L.
Preliminary evaluation of the uranium favorability in the area northeast of Gunnison, Colorado. (GJBX – 61(77)) 362569
Uranium favorability of the San Rafael Swell area, east-central Utah. (GJBX – 72(77)) 373412
Gallagher, J.G.
Engineer-constructor's approach to reliability engineering in nuclear power plants. 379246
Gallagher, J.M. Jr
414 integrated protection system prototype verification program. (WCAP – 9154) 363458
Gallagher, J.S.
Near-infrared spectrum of XX Ophiuchi. 361702
Gallagher, M.T.
Bone marrow transplantation immunology. 370372
Gallagher, R.J.
Configuration of road convoys: a simulation study. (SAND – 77-8625) 363728
Gallagher, T.F.
Collisional angular-momentum mixing of highly excited Na(n ^2D)

states by N_2 and CO. 350614
Collisional fine structure mixing in BaCl. 353230
Gallagher, T.J.
Reordering of amorphous layers of Si implanted with ^{31}P, ^{75}As, and ^{11}B ions. 360070
Gallagher, W.J.
Engineering design of buncher sections. 363235
Multi-cavity prebunching systems. 363234
Spin density of states of proximity effect superconducting sandwiches in high fields. 349046
Transient operation of electron linacs. 363233
Gallaher, R.B.
Annotated bibliography of safety-related occurrences in boiling-water nuclear power plants as reported in 1976. (ORNL/NUREG/NSIC – 137) 360478
Annotated bibliography of safety-related occurrences in pressurized-water nuclear power plants as reported in 1976. (ORNL/NUREG/NSIC – 138) 360479
Recent occurrences at nuclear reactors and their causes. 363012
Reportable occurrences at nuclear reactors and their causes. 379296
Review of safety-related occurrences in nuclear power plants as reported in 1976. 379295
Gallet, B.
In-service inspection and monitoring of LMFBR in France. (IWGFR – 10) 363495
In-service inspection of the main vessel of Super Phenix. (IWGFR – 10) 363508
Galli, M.
Stress wave emission: a bibliographical survey no. 1. (EUR – 5616) 360743
Gallien, C.L.
The use of ionizing radiations in the treatment of liquid and solid waste; biological and physico-chemical effects and industrial study. (INIS-mf – 4220) 379408
Galligan, J.M.
Magnetic field dependence of the flow stress in niobium. 362470
Solid solution hardening due to metal interstitials in the Pb – Ag system. 362405
Gallino, R.
Galactic ^4He and heavy elements enrichment by stellar nucleosynthesis. 372131
Gallmann, A.
Heavy ion reaction studies at medium-mass nuclei: I. Quasi-elastic processes. (LYCEN – 7702(pt.2)) 369500
The onset of friction in heavy ion transfer reactions. (CRN-PN – 77-16) 369499
The onset of friction in heavy-ion transfer reactions. 362084
Reaction cross sections for $^{16}O + ^{16}O$. 359500
Reaction cross sections for $^{16}O + ^{16}O$. (CRN-PN – 77-4) 354221
Galloway, S.M.
Ataxia telangiectasia: the effects of chemical mutagens and x-rays on sister chromatid exchanges in blood lymphocytes. 373479
Galloway, T.R.
Tritium handling in the Mirror Fusion Hybrid Reactor. (UCRL – 79740) 371858
Gallucci, R.H.V.
Neutron capture and transmission measurements on ^{95}Mo, ^{97}Mo, ^{133}Cs and ^{143}Nd. (BNL-NCS – 22500) 356785
Gallup, J.M.
System for histogram entry, retrieval, and plotting. (LA – 6920-M) 374514
Galluzzo, N.G.
Unsteady water injection models for analysis of sodium/water reactions in steam generators. 357770
Galonsky, A.I.
Excitation of giant resonance in ^{90}Zr by inelastic ^6Li scattering. 362085
Galper, A.
An acceleration evaluation of the performance of the Soviet-French wide-gap spark chamber for gamma-ray astronomy. 368266
Galstar, S.
Proposal for an experiment at SIN: dosimetry of the πE3 beam: determination of the beam components. (LA-tr – 77-70) 379479
Galster, W.
Spin assignments for $^{16}O + ^{12}C$ resonances at low energies. 378072
Galun, E.
Hyphal walls of isolated lichen fungi. 352060
Galun, M.
Hyphal walls of isolated lichen fungi. 352060
Galushchak, A.M.
Structure and properties of tein telluride-zinc telluride films. 375834
Galushchak, M.A.
Crystal structure and properties of tin telluride-lead selenide layers. 361443
Galushka, A.P.
CdS + Cu gamma radiation dosemeter with the enhanced radiation stability. 371099
Specific features of photoelectrical properties of CdS monocrystals, irradiated with fast neutrons from a reactor. 348784
Galushka, T.M.
Study of x-ray fluorescent Lsub(α)-spectrum of yttrium. 368634
Galushkina, R.A.
On theoretical basis of ion exchange sorption of trace amounts of vanadium, molybdenum and boron from extraction ortho-phosphoric acid and liquid phosphoric fertilizers. 349307
Galustashvili, M.V.
Slip anisotropy in LiF crystals with oriented defects. 351902
Galvao, C.A.P.
Geometrical models for short-range forces. (CBPF – A0022/76) 355815
Galvao, C.R.
Contribution to the study of compacting of UO_2 powders. (IEA – 437) 351827
Galvez, L.C.
Aquatic organism contamination by mercury residues in the Coatzacoalcos river estuary, Mexico. 380161
Galvin, T.M.
Apparatus to simulate nuclear heating in advanced fuels. (ANL-AFP – 22) 365994
Effect of pellet density and axial restraint on failure threshold. 352312
Experimental study of advanced fuel-pin failure phenomena. 379824
Galyardt, D.L.
Mark I 1/12-scale pressure suppression pool swell test program: Phase IV tests. (NEDO – 21492) 357771
Gamalij, E.G.
A stationary model of the 'corona' of spherical laser targets. 348868
Gamalya, I.A.
Taking account of the one-particle spectrum reconstruction in self-consistent calculations of nuclear deformation energy. 377879
Gamayunova, L.A.
Study of processes at helium ion bombardment of thin silver films. 370229
Gamba, D.
Strange particle production by antineutrinos. 356505
Gambacorta, A.
^{13}C-NMR assignments and biosynthetic data for the ether lipids of Calderiella. 363990
Gambashidze, N.N.
Glass formation and some physicochemical properties of glasses of the R_2O-MnO-B_2O_3 system. 378326
Gambhir, K.K.
Insulin radioreceptor assay for human erythrocytes. 362771
Gambini, D.
Tomography by compton scattering scintigraphy. (INIS-mf – 4010) 358335
Gambini, R.
Electromagnetism in terms of its two degrees of freedom. (IC – 76-84) 361266
Gamble, J.F.
Investigation of the unusual behavior of cesium-137 and other radionuclides in the Florida environment. Progress report, September 1, 1976 – November 31, 1977. (ORO – 4066-11) 365421
Gamboa Saravi, R.E.
Some comments about a static-localized solution for the massive Thirring model. 371371
Game, M.
Analysis of the $\omega\pi^-$ system produced in the reaction $\pi^-p \rightarrow \pi^-\pi^-\pi^+\pi^0p$ at 11.2 GeV/c. 353965
Gamelkin, B.S.
Mechanical and corrosion properties of titanium-molybdenum and titanium-tungsten alloys obtained from titanium foam alloyed in the process of reduction. (INIS-mf – 3839) 365083
Gamid-zade, G.A.
Extraction-photometric determination of some d-elements with polyphenols in the presence of aromatic amines. (INIS-mf – 4192) 375217
Gammage, R.B.
Current situation for exoelectron dosimeters of BeO ceramic in neutron dosimetry. (CONF-770726 – 1) 363566
Detection principles. (ORNL – 5171) 367755
Evaluation of different polymers for fast neutron personnel dosimetry using electrochemical etching. (CONF-770726 – 4) 374318
Meeting regulatory standards with BeO ceramic TLD. (CONF-780110 – 2) 379882
Reference bank of exoelectron dosimeters. (IAEA-SM – 222/46) 379883
Gammell, J.L.
A comment on a paper of Hamer applying Pade approximants to A1 + 1 dimensional lattice model of QCD. 363756
Gamp, A.
Heidelberg 3MV c-w heavy ion postaccelerator section using independently phased spiral resonators. 363266
Gamtsemlidze, G.A.
Temperature dependence of the density distribution of the Helium 2 superfluid component in pores. 356359
Gamurar', V.Ya.
Calculation of temperature broadening of the phononless A-line in the sup(4)Fsub(3/2)→sup(4)Isub(11/2) luminescence band of Nd^{3+} ion in yytrium-aluminium garnet. 368608
Ganago, L.I.
Proximate analysis of bicomponent systems of Ni-Cr, Ni-Zn, In-P, Ga-P. (INIS-mf – 4191) 375283
Rhodanide complexes of molybdenum tungsten and rhenium with crystalline violet and their using in analytical chemistry. (INIS-mf – 4191) 375467
Spectrophotometric study of various ligand complexes of lutetium with 1,10-phenanthroline and lutetium dyes of pyrogallol and bromo-pyrogallol red. (INIS-mf – 4191) 375403
Study of complexes of vanadium with pyrocatechol violet and 1,10-phenanthroline in organic phase. (INIS-mf – 4191) 375424
Ganapathy, R.
Trace elements in the Allende meteorite. 354656

Ganapol, B.D.
Generation of time-dependent neutron transport solutions in infinite media. 372558
Multi-field hydrodynamic disassembly calculations with space – time kinetics: FX2/VENUS-III. (CONF-761001 – P3) 365622
Performance calculations of fast reactor actinide recycle as a waste management alternative. 352878
Ganassi, E.E.
Chromosome damages induced by low radiation doses, protection and sensibilization. 354735
Ganassi, E.Eh.
Relationship between chemical protection and reparation of radiation – induced damages chromosomes. 378993
Ganatra, R.D.
Computers. A perspective on their usefulness in nuclear medicine. 355696
Gandhi, S.S.
Dissolved helium in lakes: uranium prospecting in the Precambrian terrain of central Labrador. 357451
Gandini, F.
New information about the kaon-nucleon-hyperon coupling constants g(anti KNΣ(1197)), g(anti KNΣ(1385)) and g(anti KNΛ(1405)). 356497
Gandolfi, A.
Information theory and multiplicity distributions at high energies. 356400
On a possible cluster size distribution. 353778
Ganelina, E.Sh.
Determination of vanadium oxides in tellurito-vanadium glasses. 356952
Ganenko, V.B.
Measurement of asymmetry of the γd→π deg d reaction cross section in the linearly polarized photon beam. 349092
Gangadharan, P.
Performance of silver metaphosphate glass as dosimeter at elevated temperatures. 376259
Gangadharan, S.
Measurement of annihilation radiation in activation analysis. 369542
Gangloff, W.C.
Reactor protection reliability: a problem in extrapolation. 360805
Gangrskaya, O.G.
Task package processing on the Minsk-32 computer. (JINR – 11-9323) 353021
Gangrskij, Yu.P.
Measurement of cross-sections of spontaneous fission isomer production in neutron reactions. (INIS-mf – 3896) 356766
Search of conversion electrons emitted in the spontaneously fissile isomer decay. 359456
Ganguli, A.
Mechanisms of vapor explosions. (CONF-761001 – P4) 362858
Orbit perturbation theory of beam-plasma instability. 366542
Simulation of boiling pools with internal heat sources by gas injection. (COO – 2554-6) 362976
Ganguli, N.C.
Effect of pH 5 enzyme from liver on the protein synthesis by mammary gland subcellular fractions in vitro. 352128
In vitro incorporation of ^{14}C-amino acids by abomasum. 352082
Radiotracer studies on the synthesis of prorennin and rennin using ^{14}C-amino acids. 354885
Ganguli, S.N.
A study of inclusive Ξ^- production from K$^-$p interactions at 4.2 GeV/c. 353964
Ganguly, A.K.
Bases for protection against radiation and conventional hazards. (INIS-mf – 4157) 376123
Bhabha Atomic Research Centre, Bombay. 361947
Change in TL sensitivity of quartz due to stress. 366016
Effect of heat treatments on thermoluminescence of pure Al_2O_3. 362526
Feedback from environmental monitoring to the chemical control in nuclear power plants operations. 379215
Local lattice instabilities in the A-15's. 359213
Measurement of thickness of surface layers of the labile component of thorium and uranium present on marine particle surface. 376032
Regulatory requirements for radioactivity management in India. 367806
Gangwer, T.
Photochemistry in nuclear fuel reprocessing. 351692
Waste management and proliferation: an assessment of technologies and policies relevant to nuclear power. Final report, June 1975 – March 1977. (BNL – 50694) 366069
Ganiev, I.N.
Plotting of Sr-Al-Si and Ba-Al-Si phase diagrams using simplex planning. 357339
Ganieva, Eh.M.
Extraction-photometric determination of some d-elements with polyphenols in the presence of aromatic amines. (INIS-mf – 4192) 375217
Ganin, G.V.
Optical absorption spectra of vanadium and chromium. Experiment and theory. 369949
Ganishev, G.I.
Optimal rate for measurement of pulsed 14 MeV neutron flux. 349637
Ganivet, M.
Checks based on neutron emission at fuel fabrication and reprocessing plants. 371282
Ganley, J.T.
Large-aperture discharges in E-beam sustained CO_2 amplifiers. (LA-UR – 77-2451) 371925
Ganna de Beaucoudrey, N.
A high resolution computed tomography for nuclear medicine using a multipinhole collimator. (INIS-mf – 4010) 363555
Gano, J.J.
Piggy-back power supplies for magnet systems. 363236
Gans, I.
Comparative measurement to determine the radionuclide concentration in waste water from nuclear power plants. (WaBoLu – 38-77) 376200
Environmental tritium. (WaBoLu – 19/74) 354989
Radiation exposure in 1975 by nuclear installations in the Federal Republic of Germany. (STH – 8/77) 370572
Radioactive effluents and present and future radiation exposure of the population from nuclear facilities in the Federal Republic of Germany. 367751
Ganske, H.
State and development tendencies of the German electric power industry. 376792
Ganssauge, E.
Inclusive spectra of electroproduced K$^+$-mesons. (DESY – 77/49) 364578
Gantayat, A.
Automated generation of spectrum-compatible artificial time histories. 373837
Gantchev, N.
Identification of submicro quantities of iodine ions. 375266
Ganurar', V.Ya.
Contribution of one- and two-phonon processes into temperature shift and level broadening of impurity rare earth ions. (INIS-mf – 3955) 377214
Ganyuk, L.N.
Study of ESR spectra in thin polysiloxane films prepared from gas phase in plasma of glow discharge. 375719
Ganza, E.A.
p-type high-resistance silicon detectors for β and X spectrometry. 379858
Small-size source of labelled alpha particles. 370682
Ganzerli-Valentini, M.T.
Some noble metals and copper content of Italian meteorites as determined by destructive neutron activation analysis. 372855
Ganzorig, Dz.
Negative pion capture by medium nuclei in the Z approximately 50 region. 354166
Negative pion capture in chemical compounds. (JINR-E – 15-9658) 349132
Gaponenko, N.I.
Multisection graphite calorimeter. 376625
Gaponova, I.S.
ESR study of trivalent iron salts effect on formation and transformation on free radicals during low-temperature γ-radiolysis of polymers. 365057
Gapontsev, V.P.
Investigation of mechanism of radiationless relaxation of excited states of Er^{3+}, Ho^{3+}, Tm^{3+}, Nd^{3+}, Yb^{3+} ions in glass of different composition. (INIS-mf – 3955) 378269
Peculiarities of migration process of electronic excitation energy on impure rare earth centers in glass. (INIS-mf – 3955) 378268
Spectroscopic and laser characteristics of ultraphosphate neodymium glass. (INIS-mf – 3955) 362144
Gaprindashvili, V.N.
Crystals-liquid and crystals-vapor equilibrium in the rare earth chloride-aluminium chloride systems. 375522
Garanina, T.A.
Charge asymmetry at large psub(T) in inelastic anti pp reactions at 22.4 GeV/c. 353943
Multiplicities and forward-backward correlations in anti pp interactions at 22.4 GeV/c. 366882
Garapov, Eh.F.
Technique for measuring the radioactivity of ^{239}U. (FEI – 501) 356767
Garaud, J.
Availability and safety of nuclear power stations. 355388
Garbaczewski, P.
Boson-fermion correspondence in quantum theory and quantization of spinor fields. 355760
Garber, H.J.
Studies of the permeation and diffusion of tritium and hydrogen in TFTR. (WFPS-TME – 012) 366543
Garber, R.I.
Ion microscopy investigation of the impurity trapped interstitials in tungsten. (KFTI – 74-47) 350710
Mathematical modeling of linear and surface defects. 355960
Mathematical modelling of a mixed dislocation core. (KFTI – 74-47) 353406
Garberini, C.
Creys-Malville power plant (Super Phenix): the main options of the reactor building ventilation system. 371044
Garbuz, N.A.
Metallic coating with diffusion yoining by centrifugal method. (INIS-mf – 4046) 369859
Garbuz, N.G.
Optical seal based on ceramics of lead zirconate-titanates doped with lanthanum. 370107
Garbuzov, V.V.
Application of neutron low energy sources for activation analysis for molybdenum and tungsten in sewage. 356955

Garchon, Bernard
Nuclear reactor assembly. 355462
Garcia Guelfi, A.
Scintigraphy of the cerebrospinal fluid. 354967
Garcia-Munoz, M.
Age of the galactic cosmic rays derived from the abundance of ^{10}Be. 369397
Garcia-Torano, E.
Alpha spectrometry of thick sources. I. Application to alpha emitters determination. (JEN – 384) 369392
Garcia, A.
Null strings and complex Einstein-Maxwell fields with cosmological constant. 363782
Garcia, C.
Crystal growth and phase studies in ternary rare earth (Ln) tellurides. 365121
Garcia, F.
Clinical assessment of angioscintigraphy and brain sequential scintigraphy with sup(99m)Tc-DTPA. (INIS-mf – 4010) 357674
Garcia, J.D.
L-shell x-ray cross sections for Cl-Ar and Ar-Ar collisions. 350665
Measurement of x-rays emitted from projectiles moving in solid targets. 371482
Garcia, N.
Diffraction intensities in helium scattering; topographic curves. 361446
Effect of the selective adsorption on the reactive scattering process of molecular beams from stepped surfaces. 366335
On the exact solution to the scattering of atoms from a hard corrugated surface: application to stepped surfaces. 368780
Threshold and Lennard-Jones resonances and elastic lifetimes in the scattering of atoms from crystalline surfaces. 377190
Garcia, R.D.M.
An approximate solution of the two-group critical problem for reflected slabs. (IEA – 478) 350737
Garcilazo, H.
Improved relativistic three-body model for pion-deuteron scattering. 354103
Garconnet, J.P.
Anomalous resistivity and subsequent fast particles in the plasma focus. (INIS-mf – 3963) 371752
Gard, G.A.
Ion beam studies. VI. 355074
Garde, A.M.
High-temperature deformation and rupture behavior of internally-pressurized Zircaloy-4 cladding in vacuum and steam enivronments. (CONF-770708 – 16) 365535
Uniaxial tensile properties of Zircaloy containing oxygen: summary report. (ANL – 77-30) 373190
Gardiner, R.B.
Angular dependence of orientation of Ar^+ ions induced by the beam-tilted foil interaction. 355911
Non-dependence on foil temperature of light intensity from a beam-foil source. 374711
The transfer of polarisation due to optical cascades in $^{40}Ar^+$ ions. 358726
Gardissat, J.L.
Frequency stabilization of argon lasers at 582.49 THz using saturated absorption in $^{127}I_2$. 353210
Gardner, L.D.
Experimental study of electron transfer in multiply charged iron-ion collisions with atomic hydrogen. 363890
Observation of resonances in the microwave-stimulated multiphoton excitation and ionization of highly excited hydrogen atoms. 350568
Gardner, M.
Theoretical determination of bound – free absorption cross sections in Ar^{2+}. 350469
Gardner, R.D.
Determination of nitrogen in boron carbide with the Leco UO-14 Nitrogen Determinator. (LA – 6978) 372856
Gardner, R.P.
Application of selected mathematical techniques to energy-dispersive X-ray fluorescence analysis. 359551
Short-lived radioactive tracer methods for the dynamic analysis and control of continuous comminution processes by the mechanistic approach. 365684
Gardner, W.L.
Development and testing of the ORNL/PLT neutral beam lines for the Princeton Large Torus. (CONF-771029 – 108) 371801
ORNL 150 keV neutral beam test facility. (CONF-771029 – 66) 371859
Gardy, E.M.
Effect of a magnetic field on the fluorescence produced in irradiated anthracene solutions. 362253
Spin trapping of radicals produced in benzene radiolysis. Evidence for the phenyl radical as an intermediate. 351656
Gareev, F.A.
Some mathematical aspects of the Sturm-Liouville expansion with special reference to the nucleon-nucleus potential. (JINR-E – 2-10624) 369403, 375100
Gareyte, J.
Acceleration and stacking of deuterons in the CERN PS and ISR. 363144
Effects of depolarizing resonances on a circulating beam of polarized protons during acceleration or storage in a synchrotron. 363187
Garfagnini, R.
(πsup(+), ^{4}He) inelastic interaction at 110 and 160 MeV. 356489
(πsup(+),^{4}He) inelastic interaction at 100 and 160 MeV. 353928
Diffusion of πsup(+-) mesons on D, ^{3}He, ^{4}He with a streamer self-shunted camera in a magnetic field. (CNEN-LNF – 75-41(R)) 363547
Elastic scattering of πsup(+-)mesons on ^{4}He in the energy interval (68/208)MeV. 369385
Garfield, G.F.
Introducing plasma enriched deposition. 368781
Garfinkel, A.F.
Evidence for the tau → γrhoπ decay mode. 372500
High-mass K* production in K$^+$d interactions at 9 GeV/c. 372509
Garg, A.N.
Precise simultaneous determination of zirconium and hafnium in silicate rocks, meteorites and lunar samples. 364887
Garg, B.S.
Solvent extraction and spectrophotometric determination of Ru(III), Rh(III) and Pd(II) using 1-(2'-pyridylazo)-2-phenanthrol. 349163
Garg, R.
Quadrupolar hyperfine anisotropy in potassium dithioferrate. 371599
Garg, R.K.
Nuclear industry – challenges in chemical engineering. (INIS-mf – 4166) 375789
Status of thorium technology. 365267
Garg, S.
Space- and angle-dependent steady-state thermal-neutron spectra inside finite prisms of graphite. 357413, 372559
Garg, S.B.
Criticality studies of fast assemblies with the new 27-group cross-section set. (BARC – 906) 376411
Nuclear theory based cross sections of ^{232}Th, ^{233}Th, and ^{233}U and their applications in reactor technology. 361908
Garg, S.P.
Studies on in vivo calibration of a plutonium lung monitor. 371137
Garg, V.K.
Quadrupolar hyperfine anisotropy in potassium dithioferrate. 371599
Gari, M.
Magnetic moments of light nuclei. 361994
Garibashvili, D.I.
KSANI complex system for automation of scientific researches. 358419
Garibdzhanyan, A.T.
UBV-photometry of flare stars in pleiades. 374889
Garibov, A.A.
Investigation into effect of preliminary gamma radiation on specific electric conductivity of NaY type zeolite. 370195
Garibov, G.S.
Rational thermomechanical parameters of pressing granulated heat resistant alloy-EhP741. 349391
Garibov, M.A.
Device for pulse registration. 365249
Garifullin, I.A.
Electron paramagnetic resonance for localized magnetic states in the superconducting La-Er system. 374993
Garito, A.F.
Elastic neutron-scattering study of the three low-temperature transitions in tetrathiafulvalenium-tetracyanoquinodimethanide. 365219
Garkun, A.I.
Determination of vanadium oxides in tellurito-vanadium glasses. 356952
Garland, C.P.
The effects of high energy radiation on the pulping properties of Pinus radiation and Eucalyptus regnans. 357570
Garland, J.A.
The deposition of sulphur dioxide to pine forest assessed by radioactive tracer method. 357531
Garland, J.W.
Multishell method: Exact treatment of a cluster in an effective medium. 358877
Garland, T.R.
Gastrointestinal absorption of alfalfa-bound plutonium-238 by rats and guinea pigs. (BNWL – 2100(Pt.1)) 360356
Relationship of microbial processes to the fate and behavior of transuranic elements in soils, plants, and animals. (PNL – 2416) 378887
Garmestani, K.
Comparison between neutron activation analysis and graphite furnace atomic absorption spectrometry for trace aluminum determination in biological materials. 372857
Garmire, G.P.
X-ray astronomy at CIT. (CONF-7510169 –) 364324
Garmong, G.
Effect of high pressure hydrogen gas on the mechanical properties of three Ni based eutectic composites. 357274
Garneau, D.M.
Selected bibliography on the geology of Canadian deposits and occurrences of uranium and thorium. (GSCan-P – 75-45) 360144
Garner, C.K.
Material balance in coal. 2. Oxygen determination and stoichiometry of 33 coals. (COO – 2898-10) 378178
Garner, D.M.
Homogeneous catalysis of deuterium transfer by potassium hydroxide and potassium methoxide D_2-H_2O and D_2-CH_3OH exchange. 362215
Muonium chemistry in the gas phase. 358741
Garner, F.A.
Review of neutron and charged particle intercorrelation programs. (HEDL-SA – 1252) 377407

Simulation of high fluence swelling behavior in technological materials. (HEDL-SA – 1163) 378799
Stress-affected microstructural development and creep-swelling interrelationship. (HEDL-SA – 1167) 365969
Garner, P.L.
First-generation model to predict particle-size distributions for condensed UO_2 vapor. 352253
Importance of the solification of fuel condensate. 352230
Nonequilibrium evaporation and condensation in liquid-metal fast breeder reactor fuel expansion. 362999
Garner, W.L.
Sandia technology. (SAND – 77-0701(Vol.3)(No.1)) 362120, 363118, 363629, 363682
Garnett, E.S.
Lung density: clinical method for quantitation of pulmonary congestion and edema. 357687
Garnett, J.L.
Acid effects in the styrene comonomer technique for radiation grafting to wool. 378513
A radiation grafting technique for the immobilization of enzymes and the heterogenizing of catalytically active homogeneous metal complexes. 369775
Garnier, A.
Electronic structure, optical aspects and hyperfine interactions in ruthenium complex. 364025
Garnir, H.P.
Statistical models for charge state distributions of heavy ions in carbon foils and gases. 355856
Garno, J.P.
Oxidation of lead tunnel barriers in a humidity-controlled oxygen-regulated atmosphere. 367917
Garnyk, D.V.
Industrial installation with an electron accelerator for sterilization in medicine. (INIS-mf – 4194) 376387
Garo Balian, H.
Figure-of-merit (FOM), an improved criterion over the normalized chi-squared test for assessing goodness-of-fit of gamma-ray spectral peaks. 355529
Garpman, S.
Break-up densities of nuclear fireballs. 361963
Garrard, L.A.
Evidence for root Fe nutrition in Hydrilla verticillata Royle. 357657
Garrattini, S.
Effect of two non tricyclic antidepressant drugs on [^{14}C]5-hydroxytryptamine uptake by rat platelets. 357626
Garren, A.
Comparison of insertion configurations. (BNL – 50611) 357958
Study of SPEAR as dedicated source of synchrotron radiation. 363183
Garrett, A.
Small-angle X-ray titration study on the complex formation between 5-S RNA and the L18 protein of the Escherichia coli 50-S ribosome particle. 357557
Garrett, B.C.
Semiclassical methods for nonseparable systems. (LBL – 6662) 371483
Garrett, M.
Instability of Sn(II) reagents to oxidation and hydrolysis: stabilization with ascorbic and erythrobic acid. (INIS-mf – 4010) 369726
Garrett, P.M.
Overview of low-level radwaste management. 380044
Garrett, W.R.
Microdosimetry, biological modeling, and theoretical biophysics. (ORNL – 5171) 366918
Garribba, S.
DICOMICS-TWIN: self-adaptive algorithm for minimal cut sets determination from fault trees. 352231
Garrick, B.J.
Reliability technology and nuclear power. 357772
Where do we go from here in improving power plant reliability. 363687
Garrison, J.C.
Dynamic Stark splitting by coupled one- and two-photon resonances. 350695
Garrison, J.D.
Statistical analysis of the resonance neutron fission cross sections of ^{233}U, ^{235}U, and ^{241}Pu. 351281
Garron, J.P.
Structure in the energy spectra from inelastic heavy-ion reactions. 366976
Garsed, S.G.
Sulphur dioxide metabolism in soy-bean, Glycine max var. biloxi. 379094
Garten, C.T. Jr.
Comparative distribution of plutonium in contaminated ecosystems at Oak Ridge, Tennessee and Los Alamos, New Mexico. (CONF-770429 – 2) 349799
Multivariate analysis of factors affecting radiocesium uptake by Sagittaria latifolia in coastal plain environments. 365422
Gartling, D.K.
Computational and experimental methods for enclosed natural convection. (SAND – 77-0645) 379531
NACHOS: a finite element computer program for incompressible flow problems. Part II. User's manual. (SAND – 77-1334) 379429
Problems of heat transfer within the containing vessel of high performance LMFBR spent fuel shipping casks. 350029
Gartmanov, V.N.
Method of multilayer targets for study on composition and energy spectra of corpuscular beams. 358362
Gartner, K.
Calculation of the cross section for elastic scattering of ions on atoms. (INIS-mf – 3996) 363891
Theoretical description of dechanneling in imperfect crystals. (INIS-mf – 3996) 364010
Gartner, L.P.
Palatal shelf epithelium: a morphologic and histochemical study in X-irradiated and normal mice. 367493
Gartner, M.L.
Decay studies of Ag, Cd, and In fission products with new in-beam ion source. (BNL-NCS – 22500) 356783
Gartseva, L.E.
New scanning method for the visualization of X-ray topographic pictures. 352840
Garvey, G.T.
Present status of weak magnetism and second-class currents in nuclear beta decay. 377880
Spin-parity of the 14.08 MeV level in ^{12}C. 351390
Garvey, J.
f^0(1270) production in the reaction $\pi^-p \rightarrow \pi^+\pi^-n$ at 12 and 15 GeV/c. 372501
New data on the $\pi^+\pi^-$ angular distribution in the mass range 0.82-2.2 GeV/c^2. (RL – 77-074/A) 375070
A partial wave analysis of the neutral (3π) – system produced in the reaction $\pi^-p \rightarrow (\pi^-\pi^0)$ n at 12 and 15 GeV/c. (RL – 77-139-A) 364485
Production of A_2^0 and ω^* (1675) in the reaction $\pi^-p \rightarrow \pi^+\pi^-\pi^0n$ at 12 and 15 GeV/c. (RL – 77-097/A) 356499
Garvey, R.H.
Relativistic yield spectra for H_2. 358743
Yield spectra and the continuous-slowing-down approximation. 350632
Garvin, T.G.
Models: their use and effectiveness. 358126
Garwin, E.L.
LEED probe for surface spin systems. (SLAC-PUB – 1934) 377014
Reactive sputter-thinning of large diamonds while preserving excellent crystalline perfection. 370158
Gary, S.
Researches with the tandem and the synchrotron. Chapter 1. (CEA-N – 1959) 354169
Gary, S.P.
The electromagnetic ion beam instability and energy loss of fast alpha particles. 371860
Garzarolli, F.
The influence of thermal feedback on the ramping behaviour of LWR fuel rods. 370899
Gasanov, G.Sh.
The determination of the thermal expansion coefficient of the solid solutions GaSesub(x)Tesub(1-x) by the x-ray diffraction technique. 349546
Investigation of In_2Se_3 by the x-ray diffraction and thermographic methods. 359924
Gasanov, Z.M.
Radioactive effects in quartz. 371695
Gasch, A.
Decommissioning of light-water reactor nuclear power plants. 374195
Gashenko, V.A.
Investigation into protective ability of oxide films on pearlite steel. 349505
Gashin, P.A.
Investigation of luminescence in ZnSe-CdTe and ZnSe-ZnTe heterojunctions. 371600
Gashin, V.M.
A new highly efficient adsorbent for ultrahigh vacuum cryopumps. (KFTI – 76-21) 357393
On the adsorptive capacity of birch activated carbon. (KFTI – 75-10) 352379
On the problem of low-temperature air adsorption studies by the volume method. (KFTI – 75-10) 352383
Gasik, W.
Timing scintillation counter type 1052 CAMAC. 376615
Gaskell, C.M.
QSO group in a cluster: The gravitational lens effect. 351014
Gaspar, E.
Determination of aquifer interconnections by use of tritium in the Turt-Bai region. 379419
Gaspar, P.P.
Reaction studies of hot silicon and germanium radicals. Progress report, September 1, 1976 – August 31, 1977. (COO – 1713-74) 362234
Gaspar, S.
Use of radioactive methods in surface and ground hydrology. 378897
Gaspard, C.
Fe-13Cr-Ti-Mo ferritic alloy as material for a fast reactor. 369950
Gasparian, A.O.
Arrangement for study of π^0-photoproduction on ^{4}He nuclei. 379852
Gasparini, F.M.
Surface tension and surface entropy of superfluid ^{4}He. 359194
Gasparyan, A.O.
On the possibility of identification of particles with various charges in photonuclear reactions. (EFI – 208(54)-76) 376602
Gasparyan, A.P.
Topological cross sections of np-interactions in the monochromatic neutron pulse range from 1 to 5 GeV/c. (JINR – 1-8565) 356475

Gasper, J.K.
Operation of Fort Calhoun Station with a reduced complement of in-core detectors. 358217
Theory, capabilities, and use of the three-dimensional reactor operation and control simulator (ROCS). 374130
Gasperi, G.
Mortality and sterility induced in Piophila casei by x-ray and neutron irradiation. 357668
Gasselt, M.L.G.van
Dynamic instabilities in tubes of a large capacity, straight-tube, once-through sodium heated steam generator. 368239
Gasser, R.D.
Dynamics of solidification of flowing fluids with applications to LMFBR post-accident fuel relocation. (CONF-761001 – P4) 362889
Post-accident fuel relocation and heat removal in the LMFBR. (BNL-NUREG – 50603) 365568
Study of post-accident molten fuel downward streaming through the axial shield structure in the liquid-metal fast breeder reactor. 362925
Gasser, R.P.H.
The adsorption and decomposition of formaldehyde by tungsten. 354510
Gasset, G.
Effective carrier lifetime in polycrystalline silicon of large grain size. 370136
Gast, K.
Safety device in a nuclear reactor fuel rod with a closed fission gas plenum. (German (F.R.) patent document 2023250/C/) 352745
Gastebois, J.
Researches with the tandem and the synchrotron. Chapter 1. (CEA-N – 1959) 354137
Gastev, V.V.
Magnetoresistance in n-type InSb semiconductor samples of finite sizes at 77degK. 354562
Gastmans, R.
On the induced cosmological term in quantum gravity. 353170
Gasumov, G.M.
Effect of conduction switching in germanium irradiated with 2,5 MeV electrons. 368724
Effect of short-time "memory" in germanium samples irradiated with accelerated electrons. 368782
Gat, U.
Vented fuel experiment for gas-cooled fast reactor application. 379780
Gatal'skij, G.V.
Temperature effect on the accumulation and properties of radiation damages in gallium arsenide under electron irradiation. 375955
Gataullin, N.G.
Detection of liquid metal coolant boiling-up. 376450
Gates, H.A.
Six-frame picosecond radiation camera based on hydrated electron photoabsorption phenomena. (UCRL – 76191) 352831
Gates, S.J. Jr.
Spinor Yang-Mills superfields. 371377
Gatev, S.
Increase of nonspecific radioresistance in rats by means of magnet-active water. 367509
Gatez, J.M.
A thermodynamic study of the complex formation of trivalent lanthanides with hydroxyethylethylenedieminetriacetic acid and other amoniacetic acids. 364946
Gathers, G.R.
Determination of sound velocity in liquid metals at temperatures above 4000 K. (UCRL – 79322(Rev.1)) 351746
Thermophysical and transport properties of metals at high pressure and very high temperature. (UCRL – 79586) 351806
Thermophysical measurements on liquid metals above 4000 K. (UCRL – 78782) 359984
Thermophysical properties of liquid tantalum and molybdenum. 370046
Gatignol, P.
Two-timing procedure for higher-order modulations of near-linear dispersive wave trains with an application to plasma waves. 368946
Gatland, I.R.
Cs^+-Kr and Cs^+-Xe interaction potentials. 377015
Gatley, J.A.
UK strategy and programmes for advanced LMFBR fuels. 379734
Gatschke, W.
Measuring system for fast neutron activation analysis at the BER-II reactor. (HMI-B – 188) 367024
Gatti, R.C.
Automated elemental analysis using energy dispersive x-ray fluorescence analysis. (LBL – 7211) 379257
Gatti, S.
Experience on the application of safeguards systems to Italian nuclear power plants. 371288
Italian progress on light-water reactor fuel design, manufacturing, testing and management. 365873
Gatto, R.
Charge asymmetry in e^+e^- annihilation. A theorem following from cancellation of anomalies. 361799
Gatty, B.
Evidence for a short lifetime and a long lifetime regime in the deep inelastic collisions between ^{40}Ca and ^{64}Ni at 182 MeV. 372694
Fusion and deep inelastic collisions studied on the Ar + Au system. Pt. 2. 356765
Gau, J.N.
Excitation of lithiumlike ions by electron impact. 358744
Gaube, M.
The creep strain limit experiment. 360840
Gaucher, G.M.
Radical inactivation of a biological sulphydryl molecule. 357161
Gaucherel, P.
Measurements of rates of charge exchange and dissociative recombination reactions in $Ar-N_2$, $Ar-H_2$ and $Ar-O_2$ mixtures. 353245
Gaudreau, M.
High-density discharges in the Alcator tokamak. 368947
Gaudry, A.
Application of neutron activation analysis to the study of the variations of the concentration of trace elements in various organs of rats as a function of age. 375311
Gauglitz, G.
Kinetic investigation of the photolysis of 2-oxo-2,5-dihydro-1,3,4-oxadiazoles. 351989
Gaukler, M.O.
Skill training program development. 358131
Gaulden, M.E.
Linear dose-response of acentric chromosome fragments down to 1 R of x-rays in grasshopper neuroblasts, a potential mutagen-test system. 373523
Gault, F.D.
A bibliography of high energy two-body and inclusive scattering data. (RL – 77-105/C) 356417
Vector dominance q^2 dependence and radial excitations. 353771
Gault, F.G.
Mechanism of cyclopropane hydrogenolysis on metal catalysts. III. Deuteroloysis, isomerization, and cracking of gemdialkylcyclopropanes. 369611, 369612, 369613
Gaume, F.
Ligand field parameters for europium(III) in gadolinium, yttrium, and lutetium orthovanadates. 355880
Gausden, R.
Criteria for guidance in the safety assessment of nuclear installations in the United Kingdom. 370554
Gauslow, R.W.
HI-CAP high-capacity fuel rack design. 352466
Gaussot, D.
Inception of the light-water reactor system in France and its fuel cycle. 366226
Gauster, W.B
Study of radiation damage in metals by positron annihilation. (CONF-771110 – 5) 373344
Gauster, W.B.
Measurement of the depolarization rate of positive muons in copper and aluminium. 358874
Positron annihilation studies of quenched aluminium. 368901
Gautam, V.P.
Charge-symmetric potentials and the hypertriton. 375047
Faddeev-Yakubovsky equations for two distinct pairs of identical particles. 351308
Gautherin, G.
Improved ion beam sputtering technique and its application. 368783
Gauthier, A.
Experimental evidence of ion heating by transit time magnetic pumping. 353516
Tokamak discharges in Petula with alumina chamber. (INIS-mf – 3963) 371737
Gauthier, D.
Contribution to the study of the dispersive power of coastal breezes. 360188
Gauthier, J.
Electronic and rotational energy relaxation in molecular helium: Observation of reactive collisions by isotope-selective laser excitation. 368622
Gautier, D.
The Voyager infrared spectroscopy and radiometry investigation. 374914
Gautier, D.M.
Air cooling system. 355274
Gauvenet, A.
Radiation protection and handling of wastes arising from normal plant and laboratory operations. 352849
Gauvin, H.
New osmium and iridium isotopes produced through ^{63}Cu induced reactions. 364754
Gauwerky, F.
Short time afterloading curietherapy of gynaecological carcinomas: technique and problems. 376252
Gavaler, J.R.
Search for better superconductors. 359925
Gaven, J.C.
Comparative toxicity in rats vs hamsters of inhaled radon daughters with and without uranium ore dust. (BNWL – 2100(Pt.1)) 360315
Gavigan, F.X.
Reliability and safety analysis methodology in the nuclear programs of ERDA. 357777
Gavillet, Ph.
A study of inclusive Ξ^- production from K^-p interactions at 4.2 GeV/c. 353964
Gavin, A.P.
Stability of lithium niobate on irradiation at elevated temperature. 367342

Gavin, B.F.
Search for superheavy elements in the bombardment of ^{248}Cm with ^{48}Ca. 351372
Gavin, E.
Experimental study of extensive air showers with particle number from 10^5 to 10^6. 362622
Gavin, P.H.
At-power measurements of power coefficients and isothermal temperature coefficients. 358234
Gavlovskij, A.A.
Development of the process of radiation vulcanization of calendered rubber products using the "Electron-3" accelerator. (INIS-mf – 4194) 376284
Gavra, Z.
Potentiometric determination of the tungsten content of tantalum-tungsten alloys with chromium II. (NRCN – 436) 372858
Gavril'ev, A.I.
Study on the long-period variations of galactic cosmic ray distribution in the interplanetary magnetic field. 357538
Gavrila, M.
The ratio between Ksup(h)sub(α) and Ksub(αα) intensities in heavy-ion atom collision experiments. 377029
Gavrila, Mihai
The ratio between Ksub(α)sup(ħ) and Ksub(αα) intensities in heavy-ion atom collision experiments. 358753
Gavrilenko, N.V.
Conductivity and impurity center parameters in compensated CdTe monocrystals. 369895
Specific features of photoconduction kinetics of CdTe γ-irradiated monocrystals. 348755
Synthesis and physicochemical properties of alloys of BiTeI-SbTeI section. 369592
Gavrilenko, V.A.
Kinetics and mechanism of olefine epoxidation with hydroperoxides in the presence of molybdenum compounds. 378270, 378271
Gavrilenko, V.I.
The space charge capacity at the indium antimonide surface when the electron gas is degenerate. 354506
Gavrilin, V.M.
Calculation of non-stationary operating conditions of extraction cascade. 357041
Gavrilov, F.F.
Generation cross-sections of characteristic x radiation of atoms while bombarding by nitrogen ions. (INIS-mf – 3915) 348676
Spectrum of Eu^{3+} ion in vanadic garnet. (INIS-mf – 3955) 378303
Gavrilov, K.A.
Experiments to produce isotopes of superheavy elements with atomic numbers 114-116 in ^{48}Ca ion reactions. 372801
Gavrilov, O.I.
Efficiency of nuclear-geophysical methods application when prospecting for rare earth phosphorites, fluorospar manifestations. 376000
Gavrilov, P.A.
The safety problems of nuclear power plants with channel-type, graphite, boiling-water reactors. 370875
Gavrilov, V.B.
Estimate of "young" pion interaction. (ITEP – 28) 359251
Generation of πsup(-) mesons on nuclei by 3.95-9.7 GeV/c protons. 349089
Gavrilov, V.V.
Processes of generation and destruction of f centers in a KCl crystal at pulsed irradiation. 377152
Study of the acceleration of thin metal foils acted on by high-power laser emission. (IAEA – 200) 353518
Gavrilov, Yu.K.
Negative pion capture by medium nuclei in the Z approximately 50 region. 354166
Negative pion capture in chemical compounds. (JINR-E – 15-9658) 349132
Probability of fission of ^{232}Th induced by μ mesons. 349136
Gavrilova, A.V.
Character of spatial distribution of precipitates in a stress aged nickel-beryllium alloy. 378748
Structure and properties of beryllium bronze after stress aging. 378623
Gavrilova, Eh.F.
Investigation into stability of certain rare earth complexes with diantipyrilmethane by the metal-indicator method. 375542
Gavrilova, I.D.
The radiometric enrichment of poor uranium ores. 365115
Gavrilova, L.A
On diborhydrides of alkali and alkaline earth metals. 365002
Gavrilova, L.I.
Determination of the water insoluble residuum in potassium salts using gamma logging. 376003
On possibility of search for potassium deposits from secondary halos using gamma spectrometry in Carpathian fields. 365274
Gavrilova, N.F.
Pyridineazo compounds as reagents for zirconium. 372864
Study of heterocyclic azo compounds in analytical chemistry of zirconium. (INIS-mf – 4191) 375464
Gavrilyuk, D.N.
Gastroenteric tract function of rats during the primary radiation reaction. 360257
Gavrilyuk, M.I.
Carbon influence on tungsten strength at high temperatures. 375875
Gavrin, P.P.
New high-current relativistic electron beam accelerators at the I.V. Kurchatov Institute of Atomic Energy. (IAEA – 200) 364164
Gavrin, V.N.
Possibility of nuclear-component depth-distribution measurement from muon interaction by radiochemical method. 363551
Gavrish, A.M.
Subsolidus structure of HfO_2-ZrO_2-CaO system. 357358
X-ray investigation of zircon stability in the presence of small oxide additions. 354593
Gavrish, I.G.
Cooling of superconducting magnetic systems. (KFTI – 75-33) 352918
Thermostatic regulation of an object in the magnetic field of a superconducting solenoid. (KFTI – 75-33) 355127
Gavron
Evaporation residues from the (^7Li,α) reaction on ^{197}Au and ^{232}Th. (BNL-NCS – 22500) 356727
Simulation of (n,p) cross sections using charged particle reactions. (BNL-NCS – 22500) 356726
Gavryushenko, B.S.
Technique for optically dense plasma diagnostics. (Soviet patent document 438920/A/) 356108
Gavryushin, V.I.
On spectra of two-photon absorption in Znsub(0.1)Cdsub(0.9)S mixed monocrystals. 371558
Gaw, J.C.
Chromatographic determination of the relative retention of isotopic species of oxygen in methanol and methan-d^3-ol. 357048
Gawin, J.
Fluctuations of the muon to electron ratio in extensive air showers. 356222
The lateral distribution of electrons in EAS at mountain altitude. 374887
Gawlik, D.
Measuring system for fast neutron activation analysis at the BER-II reactor. (HMI-B – 188) 367024
On the distribution of trace elements in human skeletons. 369529
Gawlowska, W.
Continuous extraction and stripping of uranyl nitrate. (INR – 1552/22/C/B) 375744
Gawlowski, J.
The effect of reactant purity on the radiolysis of gaseous ethane and propane. 357149
Gay, J.B.
The reaction antiproton-proton →3πsup(-)πsup(+) between 1.09 and 1.44 GeV/c and the effect of ππ phase shifts. 369372
Gay, J.C.
Probing Na-Na* resonant collisions mechanisms with strong magnetic fields. 353246, 353247
Gay, T.
Material-dependent variations of alignment in beam-foil excitation. 366323
Gayer, A.
Direct measurement of prompt neutrons emitted in fission of ^{226}Ra by 12 MeV protons. 364770
Prompt γ rays emitted in fission of ^{226}Ra by 12 MeV protons. 364771
Gayer, K.H.
Some thermodynamic and photovoltaic studies of the uranyl-uranium(IV) system. 354398
Gayet, R.
Depolarization of the 5p ^{2}Psub(1/2) state of rubidium induced by collision with helium or xenon: a test of the molecular potential A^2Plsub(1/2). 353201, 376980
Electron capture in hydrogen atoms by protons at intermediate energies 25-200 keV. 355874
Model potential calculations of akali rare-gas interaction. 353376
Model potential calculations of alkali rare-gas interaction. 377138
Gayley, R.I.
Observability of Josephson pair-quasiparticle interference in measurements of flux entry into a superconducting interferometer. 364443
Gayther, D.B.
A measurement of the ^6Li(n,α) cross-section. 366977
Gazarik, S.D.
A negative ion sputter source for operation in a Van de Graaff terminal. 367955
Gazda, E.
Performance of channel multiplier made of oxide glass. 379884
Gazda, H.O.E.
The HAGA radial-separating-nozzle centrifuge process for uranium enrichment. 376232
Gazeev, V.Kh.
A review of the state and the ways of enhancing the radiometric technique efficiency when investigating the exploration boreholes in Western Siberia. 378854
Gazi, S.
Josephson effects in long superconducting bridges with variable thickness. 359193
Gaziev, A.I.
DNA repair changes in DNA polymerase and DNA ligase activity in the regenerating liver of γ-irradiated rats. 362692
Ultrafast repair of single-strand DNA breaks in γ-irradiated Chinese hamster cells. 349710
Gazieva, M.T.
Elimination of effect of rock composition on spectral determination of niobium and tantalum. 372915
Gazit, Y.
Momentum measurements of laser produced plasma. 366660
Gazizov, A.Z.
Cosmic neutrinos and search possibility of W-bosons with mass in

the range from 30 to 100 GeV in underwater experiments. 361874
Gazizov, R.K.
Study of the behaviour of high-active wastes from reprocessing of fast reactor fuel elements by the fluoride volatility method. (IAEA-AG – 63-23) 363646
Gazizova, G.A.
Attenuation of ultrasound in doped crystals of alumo-yttrium garnet and alumo-magnesium spinel. 355932
Gazley, C.
Transient thermal-hydraulic analysis for reactor cores. 355324
Gazuko, I.V.
Destruction and thermal dissociation of transition metal carbides induced by laser radiation beam. 367291
Geacobino, E.
Relaxation of sodium atoms in the 4D level by collision with noble gases: preliminary results. 376975
Geard, C.R.
Microdosimetry and chromosome aberrations: effects of 230 keV neutrons on Vicia faba chromosomes. 354760
Gearhart, C.A. Jr.
Differential osmotic pressure measurements of the concentration susceptibility of liquid $^3He/^4He$ mixtures near the lambda curve and tricritical point. (COO – 1569-140) 371378
Measurements of the osmotic pressure in liquid mixtures of ^3He and ^4He near the lambda line and tricritical point. (TID – 27646) 376907
Geballe, T.H.
EXAFS measurements on Nb_3Ge thin films. 351734
Superconducting materials. 372329
Gebauer, H.
Magnetic-dipole hyperfine structure in 4d- and 5d-shell atoms. 358716
Gebauer, H.-J.
Charged particle multiplicity distributions in pp collisions at ISR energies. 356525
Gebauer, R.
On Stark effects of the helium triplet principal series at high field strengths. 355875
Solidification of high-level fission products by a thermite reaction. Pt. 2. (KFK – 2427) 355641
Gebbie, D.W.
Recoil-distance lifetime measurements of the ground-state band in ^{164}Dy, ^{170}Er and ^{174}Yb. 356880, 362105
Gebert, E.
The crystal structure of lithium uranate. 368784
Some ternary oxides of neptunium and plutonium with the alkali metals. 369741
Gebhardt, E.
The high temperature modifications of the compounds $PrAg_2$ and $NdAg_2$. 378695
Gebicki, J.L.
A variable temperature cell housing for pulse radiolysis measurements. 358434
Gebureck, P.
Experimental and theoretical analysis of power noise in BWR reactors. 370878
Gedalin, Eh.V.
Inclusive production cross-sections of particles with large transverse momenta on nuclei. 364499
Geddes, J.
Collisional de-excitation of 5-26keV metastable hydrogen atoms. 353248
Reactive scattering of atomic oxygen. 376992
Gedeonov, L.I.
Environmental aspects of fast reactor fuel reprocessing. (IAEA-AG – 63-24) 362926
Installation complexes for sampling and measuring tritium in environment. 375267
On the necessity for evaluation of the limits of radioactive waste disposal into water systems of international importance. 368394
Release of volatile fission products from atomic power stations and fuel reprocessing facilities to the atmosphere and the outlook for their recovery. 367194
Gedevanishvili, L.D.
Study on the characteristics of the cascade showers produced by muons in iron in the energy range from 0.3 to 3 TeV. 361656
Gedrovits, Ya.Ya.
Use of fast neutron activation analysis for determination of elemental composition of titanium and vanadium phosphates. (INIS-mf – 4188) 375378
Gedvillo, Eh.T.
Data reading system from wire spark chambers with ferrite rings. (ITEF – 53) 366060
Gee, D.M.
Measurements of cross sections for the formation of Mg^{2+} ions by collisions between protons and Mg^+. 348722
Gee, G.W.
Underestimation of radiation exposure from Am-Be neutron probes by film badges. 365636
Geel, J. van
Solidification of high-level liquid wastes to phosphate glass-metal matrix blocks. 358482
Geer, L.-E. de
Debris in Sweden from the low-yield nuclear tests performed by the Peoples Republic of China on November 18, 1971 and January 7, 1972. (FOA-C – 40068) 376045
Geesaman, D.F.
Fusion cross section behavior for light systems. (CONF-770968 – 7) 372784
Fusion of ^{16}O + ^{40}Ca. (ANL – 77-60) 377995
Systematics of O + Mg fusion. (ANL – 77-60) 378066
Geest, G. de
Autoradiographic study of tumor traceraccumulation in experimental infectious lesions. (INIS-mf – 4010) 370408
Geetha, L.
Effect of irradiated medium on growth and synthesis of macromolecules in germinating spores of B. Subtilis. 367461
Gefter, A.M.
On thermodynamics of the first step in the dehydration reaction of isopropanol on gamma-Al_2O_3. 354372
Gefter, P.L.
Application of radioisotope static electricity neutralizers in synthetic rubber production. 349964
Method of indicating linear travel of electrified material. (Soviet patent document 480963/A/) 376272
Gegele, P.P.
Magnet with a radial field for flowing liquid polarization. 371161
Gegusch, M.
Computer programs KEMAKO. (SAAS – 223) 355687
Geguzin, I.I.
Emission bands of phosphorus and calculation of band structure of rare earth phosphides. 374652
Geguzin, Ya.E.
Peculiarities of void formation during mutual diffusion in "closed" shape samples. 378624
Geheniau, J.
Einstein-Dirac equations in suited tetrads. 353079
Gehl, S.M.
Release of fission gas from high-burnup fuel during transient heating. 352639
Gehlen, G.
High energy behaviour of the scattering amplitude in the presence of confined channels. (BONN-HE – 77-28) 364500
Gehlen, G. von
High energy behaviour of the scattering amplitude in the presence of confined channels. 361800
Gehlen, P.C.
Critical experiments, measurements, and analyses to establish a crack arrest methodology for nuclear pressure vessel steels. Quarterly report no. 9, Oct – Dec 1976. (PB – 269339) 365551
Gehre, O.
Lower hybrid heating in a mirror plasma. (INIS-mf – 3963) 371813
Gehrhardt, H.J.
Nonunique first-forbidden β-decay and structure in ^{42}K, ^{142}Pr and ^{170}Tm. (KFK – 2471) 354192
Gehring, W.
KWU puts the emphasis on planning and control. 352649
Gehringer, C.
Perturbed angular distributions in ^{36}Cl and ^{40}K. 356721
Gehringer, P.
Compounds made of aluminium and irradiation grafted polypropylene. (SGAE – 2723) 354423
Dose rate and dose distribution in the gammacell 220 of the department of chemistry. (SGAE – 2729) 373566
Gehrke, R.J.
Absolute γ-ray branching and half-life of ^{250}Bk. (BNL-NCS – 22500) 356768
High-counting rate 4πβ-γ coincidence system. (BNL-NCS – 22500) 358372
Precise relative γ-ray intensities for calibration of Ge semiconductor detectors. 368292
Reports to the ERDA Nuclear Data Committee. (BNL-NCS – 22500) 356685
Gehrz, R.D.
Copernicus spectra and infrared photometry of 42 Orionis. 361704
Geich-Gimbel, C.
Investigation of diffraction dissociation in single pion production reactions in nucleon-nucleon collisions at 12 GeV/c. (BONN-HE – 75-1) 366881
Total cross sections for charged-current neutrino and antineutrino interactions in BEBC in the energy range 20-200 GeV. 353945
Geiger, F.
Use of refractory metals with additives in oxygen stabilizing elements as wall materials for heater tubes. 354530
Geiger, J.S.
Beta-delayed proton emission: a new series of precursors and the measurement of 10^{-16} s nuclear lifetimes. (AECL – 5560) 375180
Electromagnetic properties of the ground state rotational band in ^{169}Tm. 356900
Tsub(z) = 1/2 β-delayed proton precursors. I. 354232
Geiger, K.H.
The thermochemical properties of solid and liquid iron-vanadium alloys. 365163
Geiger, W.
State of knowledge on the possible external pressure load on nuclear power plants due to gas explosions. 370555
Geipel, G.
Investigation of the electrochemical determination of uranium and neptunium. 372911
Geiseler, H.
Reflections on the assumption of pipe breaks in order to improve safety in nuclear power plants. 365804
Geisendorfer, R.F.
Weldability of hot isostatically pressed prealloyed titanium 6Al – 4V powder. 362411
Geisherik, V.S.
Ion microscopy investigation of the impurity trapped interstitials in tungsten. (KFTI – 74-47) 350710

Geisler, G.
On the value of sequential scintigraphy for the investigation of the transplanted liver. (INIS-mf – 4010) 367707
Geisler, M.
Determination of main and trace elements in Luna-16- and Luna-20-material. 354288
Geiss, G.
Development of process computer programs for the early detection of operation disturbances. (BMFT-FB-K – 77-15) 376462
Geisselmann, H.
Method of quick point-measurement of gas temperatures. (German (F.R.) patent document 2544544/A/) 371162
Geist, V.
Investigation of lattice deformation in proton bombarded GaP and $ZnSiP_2$ by means of the proton-induced Kossel effect. 374712
Geistler, H.
Repair work at a critical point of the fuel cycle in the AVR reactor. 370643
Geithoff, D.
The irradiation behaviour of a carbide fuel rod cluster with sodium bond. 371022
Gejdel'man, A.M.
Half-life of sup(242)Pu. 377983
Gejderikh, V.A.
Thermodynamic properties of indium-copper alloys. 365008
Gejfman, I.N.
Effect of external electric fields on Gd^{3+} EPR in $KTaO_3$. 374713
Gekelman, W.
Particle and wave dynamics in a magnetized plasma subject to high rf pressure. 350849
Gekhman, A.E.
Oxidation of 1,3-dicarbonyl compounds by hydrogen peroxide in solutions of molybdenum (6) and tungsten (6) complexes. 378345
Gekov, A.F.
Microstructure and phase composition of the niobium-zirconium-carbon alloy system. (INIS-mf – 3839) 367260
Gel'chinskij, B.R.
Using molecular dynamics method for the evaluation of Fe-Ni and Al-Zn melts structure properties. 349516
Gel'd, P.V.
Anisotropy of the transport properties of some transition metals at high temperatures. 354511
Fine structure effect on hydrogen permeation through iron. 375906
Formation of rolling and recrystallization textures in titanium and zirconium. 375810
Heat capacities, standard enthalpies, entropies of germanides Me_5Ge_3(Me = V, Cr, Mn, Fe, Co and Ni). 375817
Hydrogen permeability of ironvanadium alloys. 375915
Investigation of the hydrogen solubility in the Fe-Co-Ni liquid alloys. 357315
Moessbauer studies of the distribution and charge of the vacancies in α-leboite crystal lattice. 366467
On raising of the Curie temperature of the EuO magnetic semiconductor. 374685
Gel'fand, M.E.
Radioisotope method of material testing. (Soviet patent document 448413/A/) 360580
Gel'man, A.S.
On welding strains in a large-sized ring of austenite steel. 375790
Structure and strength of the steel plated with nickel alloy using explosion welding. 359926
Gelato, G.
Better dynamic closed loop control of the PSB rf accelerating system. 363237
Gelb, A.
Classical trajectory study of rotational excitation of HD by collisions with He. 371484
Gelbard, E.M.
Calculations of void streaming in the Argonne gas-cooled fast reactor critical experiments. 374275
New areas for benchmark computation. 363380
Gelbke, C.K.
Influence of intrinsic nucleon motion on energy spectra and angular distributions for ^{16}O-induced reactions at 20 MeV/A. 356769
Isotope and element distributions of the evaporation residues from fusion of 160 MeV ^{32}S with ^{24} ^{25} ^{26}Mg and ^{27}Al. 364818
Particle-particle angular correlations in peripheral heavy-ion reactions. 362065
Gelbke, H.P.
Influence of rifampicin treatment on the metabolic fate of [4-^{14}C] Mestranol in women. 376152
Gelbov, L.A.
On formation of protective barrier layer during high temperature oxidation of Cr-0,5La alloy. 349305
Geldiay, R.
Accumulation and distribution of trace metals and radionuclides in marine organisms (particularly Tapes decussatus L.) in the Izmir bay area, Turkey. 379172
Uptake, accumulation and distribution of trace metals and radioisotopes by marine organisms in the Izmir area. Part of a coordinated programme on the fate and significance of foreign substances in the agricultural environment. (IAEA-R – 1061-F) 357609
Gelee, M.
Developments on uranium enrichment processes in France. 367846
Evolution of uranium isotope separation methods in France. (ERDA-tr – 293) 357853, 363059
Gelev, M.G.
Some parameters of a personal film dosemeter based on the type K emulsion. 379885
Study on some albedo characteristics of personnel dosimeter based on the K-type emulsion on irradiation by thermal and intermediate neutrons. (JINR-R – 16-9749) 363567
Gelfand, E.
Search for charmed particles in 14.75 GeV/c pp interactions. 375069
Gelhaus, F.
Reactor fuel reliability constraints on power shape control. 368098
Gelin, R.
Leaching from irradiated nuclear fuel by direct disposal. (KBS-TR – 13) 362927
Gell, G.
Optimized cross-section determination for treatment planning in radiation therapy. 357878
Gell, Y.
Drift solitons and their two-dimensional stability. 350850
The effects of an ion beam on the motion of solitons in an ion beam-plasma system. 348915
Geller, R.
A multicharged ion source for metallic vapours. 379375
Geller, S.
High temperature Raman spectroscopy of silver tetratungstate, $Ag_8W_4O_{16}$. 365212
Geltman, S.
Stimulated radiative Penning ionization in alkali vapors. 353249
Gemell, D.S.
The interactions of fast molecular-ion beams with matter. (INIS-mf – 3995) 377191
Gemenetzis, E.
Removal of plutonium from rats by prolonged administration of chelating agents. 354877
Gemesh, T.
Study on coherent interaction of πsup(-) mesons with carbon nuclei at 40 GeV/c. 349086
Gemmeke, H.
Angular correlations from ^6Li break-up near the Coulomb barrier of ^{118}Sn and ^{208}Pb. 354259
Gemmell, D.S.
Channeling of positive and negative pions in a silicon crystal. (CONF-770931 – 5) 375092
Gemmill, W.J. Sr.
Portable equipment for delivery of solutions containing technetium 99m. (German (F.R.) patent document 2626812/A/) 355068
Genaeva, L.I.
Energy spectrum of iron-group nuclei in solar radiation according to track studies of lunar grounds delivered by the Luna-16 and Luna-20 automatic stations. 356265
Genchev, V.L.
The coherent Ksub(L)sup(OC) → Ksub(S)sup(OC) regeneration at high energies. (JINR-D – 1,2-9342) 356480
Gendreau, G.
Computer study of errors in the magnetic structure of the SSC's at GANIL. Determination of tolerances. (ORNL-tr – 4398) 374050
Examination of the phi/sub HF/(N) and r(N) curves for different magnetic defects taken into account in calculating tolerances on the field of GANIL sectors. (ORNL-tr – 4469) 374049
Summary table of magnetic tolerances for the CSS at GANIL. (ORNL-tr – 4393) 374052
Theoretical and numerical study of the acceleration of particles in the separated sector cyclotrons (SSC's) at the large national heavy ion accelerator (GANIL). (ORNL-tr – 4395) 374053
Theoretical study of the errors in the magnetic structure in the SSC's at GANIL. Determination of tolerances. (ORNL-tr – 4396) 374051
Generalova, V.V.
Calibrating film dosemeters in intense electron radiation fields. 360528
Generson, I.G.
Liquation of gases in the process of high chromium steel ingots crystallization and their distribution in the final products. 357239
Genest, J.
Measurement of plasma renin activity by radioimmunoassay. 357690
Genest, L.
Long term evolution of the immune response in the rat irradiated at mean and high doses. 354782
Study of erythrocyte recovery by means of cellular spectra and reticulocytes remodeling after whole-body irradiation. 354781
Genet, F.
Growth of tellurium monocrystals by hydrothermal process. 357210
Genet, M.
Absorption and emission spectra of U^{4+} diluted in $ThBr_4$ single crystals. 351859
Genevey, P.
Experimental measurement of the power increase at a current close to the critical current. 359927
Gengenbach, D.R.
Luteolytic interaction between estradiol and prostaglandin F_2 α in hysterectomized ewes. 367494
Genin, J.M.
Magnetic and ^{57}Fe Moessbauer study of Y(Fesub(1-c) Alsub(c))$_2$ alloys: local environment effects. 368740
Genina, L.A.
Arrangement for study of π^0-photoproduction on ^4He nuclei. 379852

Genka, Tsuguo
Production of ^{198}Au grain for radiotherapy. (JAERI-M – 7209) 379369
Genkin, L.I.
Device for preventing spontaneous repositioning of a control element of a nuclear reactor. (German (F.R.) patent document 2219951/B/) 355351
Gennari, C.
Study of the intestinal radiocalcium absorption by external counting in man. (INIS-mf – 4010) 370438
Gennaro, S. de
Magnetic susceptibility of the singlet ground-state system $(LaPr)Sn_3$. 367233
Genoni, T.C.
Collective ion acceleration in a traveling virtual cathode. 363302
Genoud, J.P.
Determination of the 'transit' time between two cores by a noise analysis method. 365793
Genoves, J.L.
Evaluation of sialograms obtained in the functional and morphological study of salivary glands. (INIS-mf – 4010) 367558
Genoway, R.G.
Effects of thermal discharges on aquatic biota. Combined effects of waste heat and environmental factors acting in concert. (BNWL – 2100(Pt.2)) 362594
Effects of water quality alterations on fish behavior. (BNWL – 2100(Pt.2)) 362936
Gensch, U.
Inclusive production of charged pions in K$^-$p interactions at 32 GeV/c. 353960
Gensini, P.
Optimal techniques for the extrapolation of SU_2 violating πnucleon amplitudes. 353080
Gentile, E.F.
Contribution to the study of compacting of UO_2 powders. (IEA – 437) 351827
Gentile, T.
Experimental study of nuclear shadowing in photoproduction. 359342
Gentner, N.E.
Evidence for a second 'Prereplicative G2' repair mechanism, specific for γ-induced damage, in wild-type schizosaccharomyces pombe. 352013
Slow UV-recovery and fast γ-recovery in wild-type schizosaccharomyces pombe. 352012
Gentner, W.
Neutron activation analysis on ancient Greek silver coins and related materials. 372923
Scientific methods of research in archaeology, prehistory, and ancient history. 375268
Gentry, D.W.
Evaluation of excavation experience: Pierre shale. Final report. (ORNL/SUB – 75/70347) 374421
Gentry, W.R.
Dynamics of the reaction $D^+_2 + O(^3P) \rightarrow OD^+ + D$, and the influence of the atomic quadrupole moment on the cross section at very low kinetic energies. 350652
Dynamics of the reaction $H^+_2 + H_2 \rightarrow H^+_3 + H$, with isotopic variations. 368625
Long-range interactions of ions with atoms having partially filled p subshells. 350615
Resolved single-quantum rotational excitation in HD + He collisions: First results from a unique pulsed molecular beam apparatus. 368635
State-resolved rotational excitation in HD + HD collisions. 368636
Genuario, R.D.
Relativistic electron-beam-focusing experiments employing axial loads. 366544
Genz, H.
Analysis of x-ray spectra excited by x rays, electrons, and protons in monazite. 351322
Decays of the rho'(1275) vector-meson nonet. 361885
Geobel, H.
A TDPAC high-pressure study of the electric-field gradients at tantalum in ω-zirconium. 375821
Geoffrey, J.R.
Statistical tests for locating power in a Fourier line spectrum. (RFP – 2482) 367930
Geoffroy, J.
Synthesis of the mineralogic and petrographic studies of the ore minerals from Oklo, their gangues and the surrounding rocks. (ORNL-tr – 4337) 349660
Geoffroy, K.
Detailed studies of the reaction mechanisms of 120-MeV ^{20}Ne with ^{27}Al. (ORO – 3924-29) 366997
Georg, F.
Method for the preparation of semiconductor monocrystals with adjustable doping material concentration. (German (F.R.) patent document 2542867/A/) 367313
Georgantopoulos, G.A.
Hydromagnetic flow near an oscillating porous limiting surface. 366738
George, A.C.
Passive environmental radon monitor. (HASL – 325) 378913
Size distribution of radon daughter particles in uranium mine atmospheres. (HASL – 326) 363049
George, D.K.
Spacer for nuclear reactor fuel rods. (German (F.R.) patent document 2609120/A/) 355262
George, J.
Isospin splitting of giant resonances in ^{13}C and ^{17}O. 359368
George, J.A.
Air box shock absorber for a nuclear reactor. (US patent document 4,053,357/A/) 368155
Pump tank divider plate for sump suction sodium pumps. (US patent document 4,029,123/A/) 374245
George, N.T.
New method for determining particle size of tungsten powder. 362442
George, T.F.
Numerical test of the semiclassical approximation to the multicurve-crossing problem: Three-state model for $He^+ + Ne$ collisions. 358770
Quantum mechanical theory of a structured atom – diatom collision system: $A + BC(^1\Sigma)$. 350601
George, T.J.
Secondary deuterium isotope effects in the thia-allylic rearrangement. 362190
George, T.L.
Eulerian computation method for fluid flows with large density gradients at all speeds. 363019
Georgescu, I.
Study on the distribution and chemism of medium- and long-lived radionuclides in relation to corresponding microelements in the marine environment, algae and sediment on the Romanian cost. Part of a coordinated programme on marine radioactivity studies. (IAEA-R – 1077-F) 357512
Georgescu, S.
EPR of a U^{5+} center in KF. 356011
EPR of U^{5+} in alkali fluorides with a new charge compensation mechanism. 371639
Georgi, D.
Collisional configuration rearrangement in fast Ne projectiles. (INIS-mf – 3996) 364111
Georgi, H.
Kinematical scaling violation at fixed energy. 364488
Simple quantum-chromodynamics prediction of jet structure in e^+e^- annihilation. 369284
Georgi, P.
Radiocardiography during first cardiac passage. (INIS-mf – 4010) 362822
Georgiev, G.M.
Nonlinear-susceptibility dispersion of lithium iodate crystal. 361411
Georgiev, M.N.
Connection between plastic deformation in fractures and rupture characteristics. 373191
Georgieva, E.
Radioactivity studies on Danube water and fish in the Bulgarian section of the Danube from 1964 to 1974. 357517
Georgieva, I.
Chromosomal aberrations in human lymphocytes in vitro chronically irradiated with different doses of gamma-rays. 367455
Georgieva, N.E.
Temperature dependence of copper sputtering coefficient. 374786
Georgievskaya, B.V.
Hardening ability and phase composition of nitrocementated steels. 375916
Georgievskij, A.V.
Magnetic field configuration in a tokamak with a poloidal divertor. (INIS-mf – 3954) 361510
Magnetic field of the single-cut toroidal torsatron. (KFTI – 74-36) 350797
Tokamak with an intense (higher 100kOe) magnetic field. (INIS-mf – 3954) 361487
Torsatron divertor and it's effect on impurities transport and accumulation. (INIS-mf – 3954) 361497
Torsatron. (Soviet patent document 433908/A/) 377408
The Uragan-2 experimental thermonuclear device of stellarator type. 350798
Georgiou, A.
A virial theorem for relativistic plasmas. 353552
Georgopulos, P.D.
The 98 deg differential cross sections for the reactions $^{13}C(\gamma,n_0)^{12}C$ and $^{13}C(\gamma,n_1)^{12}C$. 359540
Geosling, C.E.
Deuterium isotope enrichment in methane-hydrogen mixtures subjected to a low-temperature glow discharge. 359650
Geppert, L.M.
Investigation of the effects of rf fields on superconducting Pb films with quantized resistances. 359928
Gera, F.
Considerations on nuclear transmutation for the elimination of actinides. 358470
Disposal of long-lived radioactive wastes in Italy. 358516
OECD countries pursue geological disposal. 376765
Radioactive waste disposal in geological formations. 368395
Geraci, J.P.
Acute and late damage in the mouse small intestine following multiple fractionations of neutrons or x-rays. 367495
Mouse testes as a biological test system for intercomparison of fast neutron therapy beams. 365384
Geral, J.P.
Comparative study of ^{99}Tcsup(m)-pertechnetate and ^{131}I-iodoantipyrine in the determination of bone blood flow. 373690
Geramb, H.V.
Giant resonances as doorways states in ^{12}C. (ISN – 77-43) 369476
Strength estimate of inelastic hadron scattering to giant resonances in ^{16}O. 354031

Gerard, A.
$^{12}C(\pi^-,p)^{11}Be$ reaction induced by pions at rest. (LYCEN – 7702(pt.1)) 369473
Parametrization of π^+p phase shifts between 0 and 310 MeV. (LYCEN – 7702(pt.1)) 369477
Gerard, P.
Color in "tungsten trioxide" thin films. 360013
Gerasimenko, G.I.
High sensitive luminescent determination of trace amounts of terbium with use of diantipyryl methane and salicylic acid. (INIS-mf – 4191) 375332
Gerasimenko, N.N.
Annealing of vacancy clusters in silicon. 370133
Changes in the optical properties of silicon nitride,-oxynitride and oxide films following ion irradiation. 370160
Inhomogeneity of amorphous layer produced by ion bombardment of a semiconductor. 371601
Monocrystal-amorphous radiation-induced transitions. 370159
Study on the defect profiles in ion-irradiated silicon after annealing by means of ESR of conduction electrons. 357414
Gerasimov, A.B.
Investigations for development of power high-voltage storages of nanosecond range for power electron beam production. (INIS-mf – 3954) 361538
Gerasimov, A.S.
Numerical scheme for optimization of xenon transient processes in a reactor. Problem on fast response without a limitation for phase variables. (ITEF – 64) 376463
Optimization of xenon transient processes in a reactor. Problem on maximum energy release. (ITEF – 21) 376464
Optimization of xenon transients in a reactor. (ITEF – 90) 350173
Optimum modes of power control in a power plant reactor. 374188
Gerasimov, G.Ya.
Rotational relaxation and transport phenomena in a diatomic gas. 348677
Gerasimov, S.N.
Design and physical principles of the finger-ring T-12 Tokamak with two axisymmetrical diverters. (ORNL-tr – 4530) 377355
Vertical plasma stability in the T-12 finger-ring tokamak with two poloidal divertors. (INIS-mf – 3963) 371761
Gerasimov, V.P.
Telemechanic systems for T-10M thermonuclear facility injector. (INIS-mf – 3954) 361539
Gerasimov, V.S.
Small-angle x-ray camera with the use of synchrotron radiation. 376695
Gerasimov, V.V.
Behaviour of corrosion products of reactor materials. 375393, 375725, 375726, 375727
Behaviour of perlite steels in nonagressive media at room temperature. 354464
Gerasimov, Ya.I.
Thermodynamic properties of niobium oxides in the region of compositions NbOsub(1,997)-NbOsub(2,024) at high temperature. 359710
Gerasimov, Yu.V.
Extra-furnace decarbonization of metal for vacuum induction smelting. 375764
Production of iron-nickel 03Ka28MDT alloy. 349392
Gerasimova, L.P.
Plastic deformation and fracture behaviour of high-strength steels under tensile stresses. 375836
Gerasimova, P.S.
To mechanism of borates solution. 369637
Gerassimenko, M.
Comparison of solar wind streams and coronal structure near solar minimum. 351058
Do changes in coronal emission structure imply magnetic reconnection. 372228
The gross energy balance of solar active regions. 372160
Gerber, E.W.
Microstructure characterizaton of advanced oxide fuel. (HEDL-SA – 1171-FP) 371046
Gerber, F.H.
Efficacy of preoperative and postoperative bone scanning in the management of breast carcinoma. 362772
Oblique views in lung perfusion scanning: clinical utility and limitations. 373678
Gerber, G.B.
The radiosensitivity of chromosomes of rabbit lymphocytes. 354743
Gerber, H.J.
A new upper limit for the decay $\mu^+ \rightarrow e^+\gamma$. 369383
Gerber, J.A.
Magnetoresistance of UIr_3 and UGe_3 to 220 kG. 369951
Superconducting germanium telluride in the tellurium – germanium – arsenic system. 351747
Gerber, R.B.
Deconvolution of differential cross sections obtained from molecular beam experiments. 366369
Gerber, S.B.
Void ordering in ion-irradiated Nb and Nb-1%Zr. 370183
Gerbshtejn, Yu.M.
Light absorption by "droplets" of metal phase near the semiconductor-metal phase transformation point in VO_2. 368785
Gerchikov, F.L.
Controlled nanosecond delay circuit with small null and dead times. 376696
Gerchman, L.L.
Proposed outline of safety analysis report for facilities for geologic isolation of radioactive wastes. (Y/OWI/SUB – 77/22320) 358539
Gerdin, G.
Advanced-fuel fusion systems. The D-^{3}He satellite approach (the ILB reactors). (EPRI-ER – 536-SR) 371948
Optimization of magnet coil radius for a tokamak reactor. (COO – 2218-75) 350851
Gerdin, G.A.
Advanced fuel bumpy tori. (EPRI-ER – 536-SR) 371861
Fusion reactor materials testing (DT fuel). (COO – 2218-82) 361540
Start-up of advanced fuel tokamaks. (EPRI-ER – 536-SR) 371862
Gerdt, V.P.
Some regularities of neutron spectra formation beyond proton accelerator shielding. 379476
Gerdyukov, L.N.
Associated multiplicities in $K^+p \rightarrow K^0X$, $K^+p \rightarrow \pi^-X$ reactions at 32 GeV/c. 369346
Gerent'ev, B.M.
Present state and long-term prospects of the radiation technique for sterilizing products used in medicine. 349825
Geretschlaeger, M.
Determination of two parameters of a distribution of foreign atoms in bulk material by proton induced X rays. 369524
Energy dependence of the X-ray production cross section of Cu and Ag for 150 to 800 keV proton and He^+ bombardment. 374599
Relative K-shell X-ray production cross sections for Cu and Ag for 150 to 800 keV proton and He^+ bombardment. 377016
Gerevini, T.
Italian progress on light-water reactor fuel design, manufacturing, testing and management. 365873
Gergans, G.A.
Pulmonary ventilation imaging and function studies with krypton-81m. 354938
Gergely, G.
On the temperature dependence of decomposition of very thin SiO_2 films under electron bombardment. 369796
Gergely, T.E.
Determination of the decameter wavelength spectrum of the quiet sun. 356225
Observations of the quiet Sun at meter and decameter wavelengths. 353692
The spectrum and position of solar noise storms at decameter wavelengths. 372202
Gerischer, K.
Gamma-ray testing of welds between tube and tube-plate in multipass heat exchangers. 358012
Gerke, C.
Measurement of the branching ratios for the decays J/PSI (3.1) → fω and J/PSI (3.1) → Bπ. (DESY – 77/50) 364568
Gerke, Ch.
Evidence for the tau → γrhoπ decay mode. 372500
Measurement of the branching ratios for the decays J/psi(3.1) → fω and J/psi(3.1) → Bπ. 372506
Measurement of the J/psi radiative decay into f⁰(1270)γ. 377779
Gerke, H.
High-frequency configurations to raise the particle energy in PETRA. (SLAC-Trans – 178) 374044
Gerking, E.
The influence of method of cooling tower operation on plume length. 365805
Gerl, M.
A tight-binding model of the ZnS F-centre. 370204
Gerlach-Meyer, U.
Scattering experiments of Li-ions from single crystal metal surfaces at energies from 10 to 50 eV and their computer simulation. 368786
Gerlach, U.
Coordination chemistry of rhenium(VII). 6. 364947
Coordination chemistry of rhenium(VII). 7. 364948
Gerlach, U.H.
Effect of zero point fluctuations on the formation of a black hole. 356234
Gerlic, E.
The ^{116}Sn (d,t)^{115}Sn reaction at 23 MeV. 354150
Gerling, Eh.K.
Is the rate of radioactive decay constant. 357463
Germain, P.
Ionization effect on the kinetics of crystallization in amorphous germanium. 370161
German, R.M.
Systematic trends in the chemically activated sintering of tungsten. 378569
Gerner, C.P.
The electron capture decay of ^{131}Ba. 378040
The electron capture decay of sup(106m)Ag. 377996
Gerner, E.W.
DNA replication kinetics in x-irradiated Chinese hamster ovary cells. 365347
Gernhardt, J.
Influence of a resonant helical octopole field on the Pulsator tokamak plasma. (INIS-mf – 3963) 371910
Internal modes and disruptions with increasing electron density in the Pulsator tokamak. (INIS-mf – 3963) 372020
Gersch, U.
Experimental investigation at the tandem accelerator EGP-10-1 of the Central Institute of Nuclear Research, Rossendorf. 357937
Gershberg, R.E.
On the nature of T Tauri-type variables and of FU Ori-type flares. 364325
On the spottedness and magnetic field of T tau-type stars. 369078

Gershenzon, S.M.
The problem of selection of plasma spraying conditions. 349423
Gershinskij, A.E.
Kinetics of phase growth in the thin-film Mo-Al system. 349463
Gershtein, S.S.
Observation of possible production and decay of short-living heavy neutral particles in the SKAT neutrino experiment. 353930
On some effective mechanism for charmed particle production in neutrino and antineutrino beam. (IFVE-STF – 75-11) 366819
Gersimenko, G.I.
Quantum luminescence yield of europium and terbium ions in heteroligand complexes. 351546
Gersl, V.
Effect of lanatoside C in experimentally induced in vivo heart failure during radiation disease. 373524
Gerstein, B.C.
NMR probe for combined homonuclear multiple pulse decoupling and magic angle spinning. 361082
Gerstein, N.J.
Gas turbine HTGR. 379675
Gerstein, S.S.
μ^- meson catalysis of nuclear fusion in a mixture of deuterium and tritium. 372522
Gersten, A.
Coupling constant singularities of the nucleon-nucleon interaction. II. 369430
Electromagnetic contribution to the nucleon-nucleon interaction. (IPNO-TH – 77-35) 359252
Electromagnetic contributions to the nucleon-nucleon interaction. 361978
The influence of electromagnetic interaction on proton-proton elastic scattering. 354051
Isospin nonconservation in the N-N interaction. (IPNO-TH – 77-34) 369285
Gersten, J.I.
Deflection of laser-excited atoms by an electric field. 351531
Gerstl, S.A.W.
Cross-section sensitivity analyses for a Tokamak Experimental Power Reactor. (LA – 6942-MS) 366625
Nuclear design sensitivity analysis for a fusion reactor. 364250
Gert, L.M.
Peculiarities of limited texture formation in layers deposited by oblique molecular beams. 349464
Some peculiarities of limited growth texture formation in vapor deposited layers of molybdenum. 349465
Texture formation in layers formed by oblique molecular beams. 369952
Gerth, H.L.
Mechanical deflection analysis of diamond-turned reflective optics. (Y – 2108) 377548
Gertsenshtejn, M.E.
To the problem of singularities in the general relativity theory. 350505
Gervais, F.
Observation of nonlinear Landau damping of a broad-band spectrum of electron plasma waves. 350852
Gervais, J.L.
Solitons and instantons in quantum field theory. 355761
Gervids, V.I.
On the basic factors determining the behaviour of impurities in Tokamak's plasma. 348916
Vacuum-physical conditions effecting on selection of a material for a first wall and diaphagm of the T-20 demonstration thermonuclear reactor-tokamak. (IAE – 2545) 356111
Gerward, L.
Implantation-induced strains in silicon studied by X-ray interferometry and topography. 378800
White beam, X-ray, energy-dispersive diffractometry using synchrotron radiation. (INIS-mf – 4032) 353409
X-ray attenuation in silicon and germanium in the energy range 25 to 50 keV. 350728
X-ray energy-dispersive diffractometry using synchrotron radiation. 353408, 361429
Gerweck, L.E.
Radiation sensitivity of cultured human glioblastoma cells. 362626
Gerwin, R.
Nuclear physicists on the tracks of Herodot. 367364
Nuclear physics in the track of Herodotus. 378111
Gerwin, R.A.
Fast liner proposal. (LA – 6707-P) 361625
Lower hybrid drift instability at low drift velocities. 350844
Gerzanich, E.I.
T-p-x phase diagram of SbSIsub(x)Brsub(1-x) solid solutions. 350715
Geschonke, G.
Munich heavy ion post accelerator. 363308
Gesell, T.F.
Measurements of ^{222}Rn in water and indoor airborne ^{222}Rn originating in water. (HASL – 325) 378892
Rapid measurements of ^{222}Rn concentrations in water with a commercial liquid scintillation counter. 369568
Gesewsky, P.
Studies on radioiodine concentrations in air, precipitation, grass, cows' and goats' milk after the Chinese nuclear bomb test on September 26th, 1976. (STH – 3/77) 354673
Geshkenbein, B.V.
On spectral representations for the functions Wsub(i)(v,q^2) (i = 1,2) describing electroproduction process. 361801
Geshkenbejn, B.V.
Microcausality in neutrino scattering on a nucleon. 348586
Geshko, E.I.
On the anomalous temperature dependence of X-ray interference intensity of V_3Si. 364016
Gesi, E.
Primary circuit thermal hydraulic analysis of Super Phenix 1 Reactor; sodium and structures temperatures calculations; salt water tests – hot water tests. 371033
Gesicki, A.
Magnetic susceptibility of the rare earth tungsten oxide bronzes of the defected perovskite-type structure (Rsub(x)WO_3). 364017
Geske, G.
Development and design of an antropomorphic model for electron dosimetric purposes. 357845
Geske, J.
Development and design of an antropomorphic model for electron dosimetric purposes. 357845
Gessaroli, R.
Analysis of the $\omega\pi^-$ system produced in the reaction $\pi^-p \rightarrow \pi^-\pi^-\pi^+\pi^0p$ at 11.2 GeV/c. 353965
Application of the Hanbury-Brown and Twiss interferometry to the production of like pions in πsup(-)p collisions at 11.2 GeV/c. 353777
Cross-sections and multiplicity distributions for π sup(-)p interactions at 11.2 GeV/c. 369278
Search for 'charm' in nuclear emulsion. 353946
Search for short-lived particles produced by 300 and 400 GeV/c protons in nuclear emulsions. 364564
Study of $A_2^- \rightarrow$etaπsup(-) in the reaction πsup(-)p→πsup(-)πsup(-)πsup(+)πdegp at 11.2 GeV/c. 369279
Gessel, G.R.
Effect of solute additions on the swelling of an Fe – 7.5 Cr – 20 Ni alloy. (CONF-770641 – 5) 351890
Gessner, K.
Structure determination of organic compounds by 'electron pyrolysis'. Pt. 6. 367030
Gesso, H.
Sector experiment of theta-pinch plasma in modified bumpy torus. (INIS-mf – 3963) 371977
Gestermann, F.
SNR-300 plant behavior at complete failure of the afterheat removal system. 358306
Gestryina, G.M.
Kinetic theory of a resonance radiation of a magnetic plasma from an open periodic waveguide. 350853
Get'man, V.V.
Acoustic emission in tungsten and copper affected by a single pulsed electric discharge. 359929
Gethmann, U.
Influence of rifampicin treatment on the metabolic fate of [4-^{14}C] Mestranol in women. 376152
Getmanov, B.S.
Study of the longitudinal instability of the relativistic electron rings. (JINR-R – 9-9245) 355186
Getoff, N.
Variation of the enole-keto-ratio of acetic estor by ^{60}Co-gamma-radiation. 365058
Getsov, L.B.
Thermal stability of heat resisting alloys used for the production of hydrolic-turbine blades. 349466
Gettner, M.
201-GeV/c proton-proton elastic scattering at large momentum transfer. 366888
Getty, W.D.
Plasma-wave coupling and propagation using phased waveguide arrays. 348885
Gettys, J.
Photometric peculiarity index in the Ap stars. 372170
Geurts, A.
Elucidation of non-radical processes in radiation chemistry. 369788
Gevaudan, P.P.
Sewage sludges disinfection. (INIS-mf – 4220) 379407
Gevorkyan, Eh.A.
On radiation of a charged particle moving along a waveguide with non-stationary nonuniform loading. 366244
Gevorkyan, G.G.
Protection from electromagnetic disturbances during operation of power generators of pulse radiations. 363627
Gevorkyan, S.R.
To the problem of determination of values of total cross sections of multiparticle-states interaction with nucleons from experiments on nuclei. 349062
Geweniger, C.
Is there a high-y anomaly in antineutrino interactions. 351222
Like-sign dimuon events produced in narrow-band neutrino and antineutrino beams. 356512
Measurement of the neutral to charged current cross section ratio in neutrino and antineutrino interactions. 361888
Observation of a neutrino event with four energetic muons. 372525
Observation of trimuon events produced in neutrino and antineutrino interactions. 356511
Study of inclusive neutral current interactions of neutrinos and antineutrinos. 369377
Geweniger, G.
A detector for high-energy neutrino interactions. 379899
Gey, W.
Dependence of the critical current density of superconductors on the past history of the magnetic field and the temperature. 356363
Geyer, E.H.
A polarimetric investigation of the eclipsing binary XY Ursae

Majoris. 372171
Geyer, R.
Kinetics of adsorption of $^{22}Na^+$, $^{42}K^+$ and $^{86}Rb^+$ tracers from mixed solvents on activated carbon. 354413
Gfirtner, H.
Computer tomography in therapy planning. 376255
Ghadi, S.V.
Enhancement of refrigerated storage of Elasmobranchs by gamma irradiation. 349826
Ghander, A.M.
Ion beam analysis from the saddle field ion source. 370677
Ghandour, G.
Stability and supersymmetry: general formalism and explicit two-loop applications. 358653
Ghanem, A.E.M.
Flow of gases under high vacuum and high voltage in presence of ion beams. 370743
Ghassib, H.B.
Bound state for ^{3}He quasiparticles in dilute ^{3}He-He II mixtures. 366794
Low-energy He-He interactions with phenomenological potentials. 350576
Ghazanfari, A.
Instationary heat transfer in a droplet flow after exceeding of the wetting temperature. 370709
Gheorghe, A.
On the structure of the groundstate bands in terms of coherent states. 354100
Gheorghe, V.
Ion-storage in radiofrequency electric quadrupole field. 377017
Gheorghies, C.
Continuous measurement of blast-furnace coke moisture . 349956
Ghersini, F.
The III German Symposium on nuclear law held in Goettingen. 350417
Ghesquiere, C.
Observation of jet structure in high psub(T) events at the ISR and the importance of parton transverse momentum. 353956
Ghete, P.
Automatic installation of separating $^{13}CH_4$ from natural CH_4, representing a profiled cascade, achieved on the basis of the thermodiffusion column study. (INIS-mf – 4155) 379368
Ghidini, B.
Evidence for a narrow width boson of mass 2.95 GeV. 372519
Inclusive anti K^{*0} (890) production in π^-p interactions at 16 GeV/c. 356507
Observation of the reactions $\pi^-p \rightarrow$anti pd at 10 and 16 GeV/c. 372520
Peripheral anti pn production and decay angular distributions in the reaction $\pi^-p \rightarrow$ (anti pn)p at 12 GeV/c incident momentum. (BONN-HE – 77-14) 366886
Production of phi and f' in 10 GeV/c K^-p interactions. 353959
The slow proton trigger for the CERN OMEGA spectrometer. 368293
Ghigo, F.D.
Identification of radio sources using accurate radio and optical positions. 351015
Ghika, G.
Renormalization group equations with multiple coupling constants. 361267
Ghilardi Netto, T.
Piezoelectricity and absorption of water in biomaterials: bone and tendon. (INIS-mf – 4109) 365348
Ghildiyal, M.C.
Physiological analysis of heterosis in Zea mays L. : Part II – respiration and acetate-2-^{14}C metabolism in the developing grains. 367626
Physiological analysis of heterosis in zea mays L. : Part III – sucrose uptake and utilization by developing grains. 367627
Ghildyal, B.P.
Root proliferation and grain yield of wheat triticale under irrigated conditions. 349819
Ghiorso, A.
Possible mechanisms for ^{256}Fm and ^{256}Md production in the compound system ^{264}104. (LBL – 5075) 356891
Search for superheavy elements in the bombardment of ^{248}Cm with ^{48}Ca. 351372
Gholipour-Khalili, K.
Dosimetry of fast neutrons from T(d, n) reaction neutron generator. 374319
Effect of oxygen on cultured mammalian cells exposed to pulsed radiations. 360217
Ghoneim, M.A.
Comparative study of two preoperative radiation regimens with cystectomy for bladder cancer. 373579
Ghosal, S.K.
Estimation of pre-meiotic DNA synthesis period in the dog spermatozoa. 357637
Ghose, A.M.
Geometric factors in radiation physics measurements. 361923
New method for the measurement of differential elastic scattering cross sections of fast neutrons. 364611
Optical model analysis of nonelastic interaction of 14.2 MeV neutrons. 361913
Semiempirical formulation of coherent scattering of gamma rays. 361941
Ghose, D.
Sputtering of iron under molecular ion bombardment. 371602
Ghose, P.
First-order formalism for scalar fields and the MIT bag model. 371379
Ghose, S.
Effect of ultra-violet radiation on the liposomal membrane. 376064
Ghosh Mazumdar, A.S.
Separation and recovery of long-lived fission products on inorganic exchangers. Part II : separation of cesium on ferrocyanide molybdate. (BARC – 888) 375750
Ghosh, A.K.
Cation exchange sorption of some metal ions from aqueous ammonium acetate medium : separation of Ce(IV) from Ce(III), La(III) and other metal ions. 367081
Measurements of gap anisotropy in A15 Nb_3Sn. 367247
Ghosh, B.
Electrical conductivity of γ-irradiated ADP and KDP crystals. 366460
Ghosh, D.C.
Test for Psub(T) distribution at different laboratory energies in hadronic collision events. 356501
Ghosh, G.
The coherent state approach to the Vlasov equation. 366545
Ghosh, Malathi
Electrical conductivity of γ-irradiated ADP and KDP crystals. 366460
Ghosh, Maya
Effect of a copper intrauterine contraceptive device of estrogen and progesterone uptake by the Rabbit uterus and cervix. 352099
Ghosh, N.C.
A note on disturbances in a semi-infinite piezoelectric medium. 376908
Ghosh, N.N.
Studies on isoxazolones. Part IV : Formation constants of Cu(II) and UO_2(II) complexes of 3-phenyl-5-isoxazolone. 367083
Ghosh, P.
Accretion by rotating magnetic neutron stars. I. Flow of matter inside the magnetosphere and its implications for spin-up and spin-down of the star. 372172
Improvement of some vegetatively propagated ornamentals by gamma radiation. 352139
Ghosh, P.C.
Uranium and thorium resources and development of techniques and equipment for their prospection. 365300
Ghosh, Sabita
Propagation of magnetohydrodynamic Cauchy-Poisson waves. 348785
Ghumman, B.S.
Inelastic scattering of 280 keV photons by K-shell electrons of lead, tungsten and tin. 372757
Giacchetti, G.
Study of uranium-plutonium carbide-based fuel simulating high burnup. 378458
Giachetti, R.
The structure of coronal magnetic loops. I. 356202
The structure of coronal magnetic loops. II. 372173
Giacobbe, P.
Search for spin dependence of the neutron strength function in ^{165}Ho. 372732
Giacobino, E.
Relaxation of sodium atoms in the 4D level by collision with noble gases: preliminary result. 353194
Giacomelli, G.
K^0sub(L)p interactions in the c.m. energy range 1.54-1.71 GeV. 372508
Search for 'charm' in nuclear emulsion. 353946
Search for short-lived particles produced by 300 and 400 GeV/c protons in nuclear emulsions. 364564
Giacomich, R.
Theoretical model of light-pulse propagation in pipes verified by single-photon technique. 379969
Giacomini, S.V. de
Correlation between the estimated molecular weight and the immunological properties of ^{125}I-TSH. 373760
Giacomo, N.J. di
Neutron pickup from ^{194}Pt, ^{196}Pt and ^{198}Pt. 356888
Giambiagi, J.J.
On the gauge field of magnetic monopoles. (PUC-TN – 16/76) 350478
Regular N-instanton fields and singular gauge transformations. 355762
Giambiagi, M.
Occupation number dependence of molecular energy levels. (CBPF – A0032/77) 363892
Giambiagi, M.S. de
Occupation number dependence of molecular energy levels. (CBPF – A0032/77) 363892
Giambusso, A.
Planning for nuclear power. 352542
Regional and global planning: the nuclear fuel cycle. 361159
Giammanco, F.
Shock waves from laser-produced breakdown experimental study of their reflection in an acoustic cavity. 364184
Gianese, P.
Design and tests of liquid helium rotating cryostat. 360606
Giannini, M.M.
Non-local optical potential: theoretical and phenomenological aspects. 356601
Giannini, R.
Reconstructed CERN 600 MeV synchro-cyclotron. 363131
Gianola, D.
Effectiveness of ancestral irradiation on the direct and correlated

responses to selection for body weight in rats. 362666
Effects of ancestral x irradiation followed by random mating on body weight of rats. 367496
Estimates of genetic parameters of body weight in descendants of x-irradiated rat spermatogonia. 367497
Giansiracusa, G.
A complete Lagrangian formulation of superconductivity. 353725
Gianturco, F.A.
Collisional excitation of vibrations in H_2+H,D encounters using rotational averaging. 355876
Quantum calculations of the rotational excitation of H_2 by proton impact at low energies. 350616
Giaquinta, G.
On the formvar vibrational spectrum by electron tunneling. 363972
Giaquinta, P.V.
Charge fluctuation spectra at very long wave-length in ionic fluids. 364018
Giaquinta, R.
$^{14}C_2H_4$: distribution of ^{14}C-labeled tissue metabolites in pea seedlings. 349838
Giardini Guidoni, A.
Absolute (e, 2e) differential cross section measured in coplanar conditions: He. 371534
An investigation on the interaction mechanism in (e,2e) experiments. 353250
Mapping of molecular orbitals in CO_2 and SF_6 obtained by (e,2e) technique. 353365
Validity of the (e,2e) reactions as a probe of the atomic and molecular structure. 371485
Giarratano, P.J.
A correlation for heat transfer to superphysical helium in turbulent flow in small channels. 349985
Giazotto, A.
A new fast and programmable trigger logic. 371097
Gibala, R.
Effect of purity, prestrain, and cooling rate on hydrogen strengthening in niobium single crystals. (COO – 1676-45) 373138
Surface oxide softening of niobium single crystals. 362453
Gibb, A.
An observation of optical transition radiation from 29MeV protons crossing a vacuum-to-metal interface. 353423
Gibbons, C.B.
Process for nondestructively testing with radioactive gas using a chill set sealant. 358013
Gibbons, G.W.
Black holes and thermal Green functions. 369079
Quantum processes near black holes. 356235
Gibbs, A.G.
Neutron transport in plane geometry with general anisotropic, energy-dependent scattering. 351246
Gibbs, G.B.
Influence of metal lattice vacancies on the oxidation of high temperature materials. 351661
Gibbs, H.
Device for ultrasonic inspection of welds. (German (F.R.) patent document 1648637/C/) 376393
Gibbs, H.F.
Mixed valence europium perovskites in the system Eu – Ta – O. 357359
Gibbs, W.R.
Physics of low energy pion production. (LA-UR – 77-1766) 361802
Threshold charged-pion photoproduction and radiative pion capture. I. The Nucleon. 351159, 351160
Gibby, R.L.
In-reactor behavior of materials used to control fuel-cladding chemical interaction. (HEDL-SA – 1268) 368242
Giber, J.
Application of SIMS analysis with reactive sputtering and conclusion to the mechanism of the secondary ionization. 368787
Giberti, G.
E2 transitions within the ground-state band of deformed even-even nuclei. 356588
A note on the analysis of the transition probabilities within the ground-state band of deformed even-even nuclei. 366928
Giboni, K.
Charged particle multiplicity distributions in pp collisions at ISR energies. 356525
Charged particle multiplicity distributions in pp-collisions at ISR energies. 353996
Gibson, A.
Impurity control by means of a cool plasma blanket. (INIS-mf – 3963) 371863
The JET project. 364200
Solvent dependence of kinetic hydrogen isotope effects for simple proton transfer. 357005
Tissue variability and some properties of the accumulation of [^{3}H]-corticosterone by isolated organs. 357566
Gibson, A.A.V.
Pressure dependence of the melting and α-β phase transition temperatures of carbon monoxide. 351858
Gibson, A.G.
N-body quantum scattering theory in two Hilbert spaces. I. The basic equations. 366832
Gibson, B.F.
Separable-potential fits to resonance parameters. 364699
Threshold charged-pion photoproduction and radiative pion capture. I. The Nucleon. 351159, 351160
Gibson, C.I.
Biological availability of energy related effluent material in the coastal ecosystem. (BNWL – 2100(Pt.2)) 362931
Power plant heat and chemical effluent effects on selected marine and estuarine communities. (BNWL – 2100(Pt.2)) 362597
Gibson, E.D.
Arc-melting preparation of single crystal LaB_6 cathodes. (US patent document 4,030,963/A/) 373297
A device for precise alignment of electron beam and sample in the scanning electron microscope. 350357
Fabrication of superconducting wire composites by directional solidification. Yearend report on project. (IS – 4280) 378575
Gibson, E.K. Jr.
The origin and relative abundances of C, N and the noble gases on the terrestrial planets and in meteorites. 369036
Gibson, G.
TFTR nuclear radiation analyses. (WFPS-TME – 022) 371837
Gibson, T.L.
Comparative capabilities of 1-phenylpropane-1-^{13}C and 1-phenylbutane-1-^{13}C toward the alkylbenzene automerization. 372994
Gibson, W.
Observation of channeling of negative pions of 4GeV/c momentum. 355934
Gibson, W.M.
Irradiation damage effects in silicon containing stacking faults. 370186
Measurement of differential cross sections for elastic K^+p scattering in the momentum range 0.7 to 1.9 GeV/c. 372511
Gibson, W.R.
Antiproton-proton total elastic cross sections in the T and U regions (0.69 – 2.43 GeV/c). (RL – 77-098/A) 349058, 361880
Measurement of the polarization parameter for antiproton-proton annihilation into charged pion and kaon pairs between 1.0 and 2.2 GeV/c. 353949
Gichner, T.
Change of chromatid- to chromosome-type aberrations by prolonging the G_1 cell phase after treatment with diethyl sulphate. 354761
Gick, H.
Shell correlations for highly asymmetric systems. 351282
Gidalevich, E.Ya.
Cosmic ray diffusion in the low-latitude solar wind. 356236
Gidefeldt, L.
Gamma-gamma angular correlation studies in ^{97}Tc. 351333
On the decay of ^{123}Sn. (USIP – 77-22) 354151
Gido, R.G.
Liner-concrete heat transfer study for nuclear power plant containments. (LA – 7089-MS) 379628
Gielen, H.
Dynamic behaviour of the KNK-II core on operation. 371023
Gielen, K.
Plant behaviour during operational transients. 376573
Gien, T.T.
Elastic electron-hydrogen scattering in a modified Glauber method with the inclusion of Glauber exchange. 350617
Glauber exchange effect in the excitation of hydrogen by electron impact. 371486
A modified Glauber method for electron-atom scattering: e^--H elastic scattering with the consideration of Glauber exchange. 353251
Scattering of positrons bt hydrogen in a modified Glauber method. 363893
Giera, H.D.
Noise analysis system for early detection of malfunctions in pressurized water reactor nuclear power plants. 350168
Gierasch, P.
The Voyager infrared spectroscopy and radiometry investigation. 374914
Gierszal, H.
Investigation of molecular motions dynamics by NQR and quadrupole relaxation methods – application of high pressure technique. 377238
Gierula, J.
Inclusive data in proton-nucleus collisions at 67, 200, and about 3000 GeV. (INP – 872/PH) 375063
Gies, M.
Photoproduction of pions on polarized protons and neutrons in the second resonance region. (BONN-HE – 77-11) 369342, 372502
Gies, R.A.
Early disposition of inhaled uranyl nitrate (^{232}U and ^{233}U) in rats. (BNWL – 2100(Pt.1)) 360302
Early fate of inhaled crystalline $^{239}Pu(NO_3)_4$ in rats. (BNWL – 2100(Pt.1)) 360301
Long-term effects of inhaled uranyl nitrate in rats. (BNWL – 2100(Pt.1)) 360303
Giese, C.F.
Long-range interactions of ions with atoms having partially filled p subshells. 350615
Resolved single-quantum rotational excitation in HD+He collisions: First results from a unique pulsed molecular beam apparatus. 368635
State-resolved rotational excitation in HD + HD collisions. 368636
Giesecke, R.
Costal osteoradionecrosis as rare complication in conventional deep therapy of mamma carcinoma. 354820
Gieseke, J.A.
Characteristics of agglomerates of sodium oxide aerosol particles: Task 7, topical report. (BMI-NUREG – 1977) 358285
Charging of radioactive aerosols. 365031
Gieske, F.
Economic growth and energy consumption. (AED-Conf – 77-193-002)

371227
Giesser, W.
Calculation of effective few-group cross sections in high-temperature reactors with spherical fuel elements. 370791
Gietka, J.
The effect of intra-articular hydrocortisone injections on healthy rat joints. Pt. 1. Incorporation of ^{35}S sulphates into glucosaminoglycans of articular connective tissue. 373601
Giffon, M.
Exchange corrections for partial capture rates of muons in nuclei. (LYCEN – 7702(pt.1)) 369479
Muon capture in ^{16}O. (LYCEN – 7702(pt.1)) 369478
Giganti, J.J.
Lunar surface gravimeter experiment. Final report. (N – 77 – 18981) 351016
Gigineishvili, K.A.
Dependence of radioprotector action of cysteine and β-mercaptoethylamine on accumulation of sulphydryl groups in meristematic tissues of pea sprouts. 354902
Gignoux, D.
Magnetization reorientation in $HoCo_2$. 365134
Spin reorientations in the rare earth – cobalt Laves phases. 378625
Giguere, P.T.
Radio observations of fragmentation and localized multiple velocity components in a group of dust clouds in taurus. 350991
Gijbels, R.H.
Activation analysis of ores and minerals. 356941
Gijsen, M.
General features of anti pp interactions at 32 GeV/c. 353973
Gijsman, H.M.
A ^3He circulating dilution refrigerator with more than one mixing chamber. 360612
Gil, D.L.
Incubation of ^{14}C-trichloroethylene vapor with rat liver microsomes: uptake of radioactivity and covalent protein binding of metabolites. 352155
Gil'bert, Eh.N.
Extraction of platinum metals by alkyl anilines from solutions of chlorination of industrial copper-nickel half-finished products. 362180
Neutron activation determination of iridium in rocks, ores, and ore concentrates. 375980
Gil'debrandt, Eh.M.
Thermal conductivity of binary salt systems. (INIS-mf – 4193) 375456
Gil'manov, A.N.
Nuclear magnetic relaxation in the Ti-Nb-H system. 375837
Gilai, D.
Advances in light water hybrid reactors (LWHR). (INIS-mf – 4052) 374246
Development of shield optimization methods. (IA – 1338) 364604
An extension of the maximum principle to multidimensional systems and its application in nuclear engineering problems. (IA – 1338) 364603
Natural-uranium light-water hybrid breeding reactors. (IA – 1338) 365794
Gilar, O.
Calibration light sources for scintillation techniques. 371123
Gilat, J.
Fission and neutron emission in the actinides at excitation energies of 10 – 35 MeV. 359482
Gilath, C.
Concentration dynamics of soluble matter in a large water supply system and its implication as regards the propagation of accidental pollution in the system, using isotope techniques. (IAEA-R – 1381-F) 357513
Ventilation and air pollution studies using radioactive tracers. 365685
Gilath, Ch.
Study for the air flow pattern in large fresh fruit storage rooms. (IA – 1338) 365482
Gilath, I.
Cyanides: decomposition and determination. (IA – 1340) 367084
Gilbert, B.
The standard oxidation potentials of the (II-III) and (III-IV) redox systems of the lanthanides and the actinides in non-aqueous solvents. 357010
Gilbert, C.W.
Pulse irradiation of aqueous solutions containing ferrous and chloride ions: reaction between Cl_2^- and HO_2. 359776
Gilbert, D.
Strange-particle cross sections from π^+p interactions at 10.3 GeV/c. 351219
Gilbert, E.
Neutron activation determination of noble metals for the analysis of technological and natural materials. 378112
Gilbert, E.N.
Neutron activation analysis of high purity noble metals (palladium, platinum, rhodium, gold and silver). 375269
Gilbert, E.R.
Dependence of irradiation creep on temperature and atom displacements in 20% cold worked type 316 stainless steel. 360081
Irradiation creep data in support of LMFBR core design. 360082
Stress-affected microstructural development and creep-swelling interrelationship. (HEDL-SA – 1167) 365969
Temperature dependence of in-reactor creep of 20% cold worked 316 stainless steel. (HEDL-SA – 1187) 362532
Gilbert, Eh.N.
Neutron activation determination of gold in rocks, ores, and minerals using extraction with organic sulfides. 375981
Gilbert, G.
Spectral development of Nova Cygni 1975. 351086
Gilbert, J.F.
Summary report on salt dissolution review meeting, March 29 – 30, 1977. (Y/OWI/TM – 31) 363669
Gilbert, J.S.
CHAP: a composite nuclear plant simulation program applied to the 3000 MW(t) HTGR. (LA-UR – 77-1757) 358264
Gilbert, K.E.
Effect of internal nucleon motion and nuclear binding on elastic pion – nucleus scattering. 364687
Gilbert, K.J.
Data and assessment of human factor impact on nuclear reactors. 352229
Gilbert, R.O.
Analysis of natural systems. Quantitative ecology of impact evaluation. (BNWL – 2100(Pt.2)) 362568
Estimated inventory of plutonium and uranium radionuclides for vegetation in aged fallout areas. (NVO – 171) 379139
Initial synthesis of area 13 ^{239}Pu data and other statistical analyses. (NVO – 171) 378855
Some design aspects of transuranic field studies. (BNWL-SA – 5974(Rev.)) 351927
Statistical analysis and design of environmental studies for plutonium and other transuranics at NAEG "Safety-Shot" sites. 349625
sup(239,240)Pu and ^{241}Am contamination of vegetation in aged fallout areas. 349652
Gilbertson, J.
Human survival depends on nuclear power. 352543
Gilbody, H.B.
Collisional de-excitation of 5-26keV metastable hydrogen atoms. 353248
Electron capture and $He^+(2s)$ formation in fast He^{2+}-H and He^+-H collisions. 368699
Electron loss by 35-1000 keV He^+ ions in collisions with atomic and molecular hydrogen. 366367
Ionisation and charge transfer in fast H^+-He^+ collisions: further measurements of improved accuracy. 374598
Gilchrist, A.R.
Accident trees: a framework for accident evaluation. (CONF-761001 – P2) 362874
Gilchrist, J.
Influence of direct current on performance of niobium conductor for miniature coaxial line. 349992
Gilchrist, K.E.
Physical properties of europium sesquioxide. 370110
Gilcrest, J.D.
Spent fuel storage basis for new nuclear power plants. 352407
Gildenberg, P.L.
Method of measuring blood flow by radiation. (US patent document 4,037,585/A/) 352100
Gildener, E.
Effect of fermions upon tunneling in a one-dimensional system. 371380
Pseudoparticle contributions to the energy spectrum of a one-dimensional system. 358657
Gileadi, A.E.
Monte Carlo simulated dose to the human body due to neutrons emitted in laser-fusion. 360535
Giler, M.
Propagation of cosmic rays of energy 1-100 GeV in the galaxy. 369081
Spectral shape of cosmic rays over the galaxy. 369080
Giles, A.B.
Infrared light curves of AM Herculis. 369115
Giles, G.E.
HEXERE12: computer program for the transient thermal-hydraulic analysis of high temperature gas-cooled reactors. (K/CSD/TM – 3) 357773
Giles, I.S.
Recent developments in the analytical application of prompt spectrometry. 356942
Giles, M.
Generation of whistler-mode radiation by parametric decay of Bernstein waves. 350808
Giles, R.
Lattice approach to string theory. 359253
Giles, R.C.
Application of the quark-confining string to the psi spectroscopy. 364501
Vibrational states in a heavy quark bound system. 372421
Gilev, V.I.
Linear spectrometric amplifiers on the base of transistors and the 1UT401B type integrated circuits. (JINR – 13-9135) 358420
Gilkinsky, V.
Plutonium, proliferation, and policy. 369836
Gill, D.H.
Use of non-quarter-wave designs to increase the damage resistance of reflectors at 532 and 1064 nanometers. (LA-UR – 77-2529) 371864
Gill, J.K.
Rectal damage following radiotherapy in cases of carcinoma cervix and correlation of rectal damage with rectal dose. 349761
Gill, J.S.
Studies of crystalline zirconium phosphate-IV self-diffusion of La(III) and Ce(III) ions. 369618
Gill, R.D.
Electron and ion heating by neutral injection in DITE tokamak.

(INIS-mf – 3963) 353553
Gill, R.L.
Decay studies of Ag, Cd, and In fission products with new in-beam ion source. (BNL-NCS – 22500) 356783
Heated uranium tetrafluoride target system to release non-rare gas fission products for the TRISTAN isotope separator. (IS-T – 773) 372960
Gillam, J.D.
Respiratory disease mortality among uranium miners as related to height, radiation, smoking, and latent period. (HRP – 0006691) 379321
Gilles, L.
Electron in cold alcohols: a pulse radiolysis study in ethanol. 359777
Gillespie, A.R.
Observations of the NGC 7331/Stephan's quintet at 1421 MHz. 356237
Gillespie, E.S.
Positronium formation in neon and argon. 358745
Gillespie, G.H.
Anharmonic oscillators with factorizable Hamiltonians. 353081
High-energy cross sections for H^- ions incident on intermediate and high-Z atoms. 358746
Pade approximants from Born asymptotic cross-section expansions. 363894
Gillespie, L.K.
Machinability of metals as related to miniature precision components. (BDX – 613-1723(Rev.)) 373139
Gillespie, R.
Fluvially transported charcoal erroneous ^{14}C ages for recent deposits. 375226
Gillespie, W.A.
An experimental and theoretical study of the low-lying states of ^{15}N. 366915
Gillet, C.
Structure elucidation of S-oxidized metabolites of 1-(4-isopropylthiophenyl)-2-N, octylaminopropanol (Suloctidil*) by means of deuterium labeling and mass spectrometry. 357651
Gillet, E.
Chemisorption of carbon monoxide on the (110) face of molybdenum. I. 354512, 357275, 359930
Gillet, M.
Chemisorption of carbon monoxide on the (110) face of molybdenum. I. 354512, 359930
Gillett, M.
Chemisorption of carbon monoxide on the (110) face of molybdenum. II. 357275
Gillette, J.L.
Experimental study of whole core thermal-hydraulic phenomena in EBR-II. 355484
Gilli, P.V.
Steam generator plant heated by a fluid, especially coolant circuit of a gas-cooled heat source. (German (F.R.) patent document 2549613/A/) 358053
Gilliam, D.
Absolute fission rates measurements in Mol-ΣΣ. (HEDL-TME – 75-130) 351347
Gilliam, D.M
Californium-252 fission spectrum irradiation facility for neutron reaction rate measurements. (BNL-NCS – 22500) 356775
Gilliam, D.M.
Fast reactor fission yields. (BNL-NCS – 22500) 356770
Fission/milligram of ^{235}U in BIG-10 Tests A, C, E, and B. (HEDL-TME – 75-130) 351354
Review of microscopic integral cross section data in fundamental reactor dosimetry benchmark neutron fields. (HEDL-SA – 1148(Rev.1)) 377990
Spectral indices for BIG-10: spectrum-averaged fission cross section ratios for ^{235}U, ^{238}U, ^{239}Pu, ^{237}Np. (HEDL-TME – 75-130) 351353
Gilliam, T.M.
Krypton absorption in liquid CO_2 (KALC): Campaign III in the Experimental Engineering Section Off-Gas Decontamination Facility. (ORNL/TM – 5655) 368368
Gillies, G.T.
Dynamic measurement of matter creation. 369192
Gilligan, J.G.
Multigroup calculations of low energy neutral transport in tokamak plasmas. (PPPL – 1384) 371865
Multigroup calculations of low-energy neutral transport in tokamak plasmas. 371866
Gillin, M.T.
Solitary autonomous thyroid nodules: comparison of fluorescent and pertechnetate imaging. 373695
Gillins, R.L.
Experiment data report for Semiscale Mod-1 test S-28-3 (steam generator tube rupture test). (TREE-NUREG – 1150) 373820
Gilliom, J.R.
FEA studies: what did they yield. 363688
Gillis, H.A.
Free radical oxidation of organic sulphur compounds. 357131
Optical study of electrons and positive ions in pulse-irradiated liquid 3-methyloctane at low temperatures. 362260
Gillman, A.R.
Measurement of differential cross sections for elastic K^+p scattering in the momentum range 0.7 to 1.9 GeV/c. 372511
Gills, T.
Homogeneously doped silica matrices for trace element standards in neutron activation analysis. 372902
Gills, T.E.
Role of neutron activation analysis in the evaluation of sampling, storage, and analysis of samples for the national environmental banking system. 372859
Gilman, F.J.
Leptons as a probe of hadronic structure. (SLAC-PUB – 1732) 377729
New particle spectroscopy and decays. 361803
Production of new particles in electron-positron annihilation. (SLAC-PUB – 1888) 377803
Gilman, F.M.
Simple, pulsed, electron beam gun. 350583
Gilman, J.D.
Assessment of reactor internals vibration in BWR/4 and BWR/5 plants. (NEDO – 24057) 379629
Gilmore, G.R.
Analysis of ancient copper alloys using epithermal activation techniques. 372860
Gilmore, R.S.
Measurement of differential cross sections for elastic K^+p scattering in the momentum range 0.7 to 1.9 GeV/c. 372511
Gilmore, T.A.
Exchange with deuterium and isomerization of alkenes catalysed by gallium oxide. 367074
Gilmore, W.R.
Radioactive waste disposal: low and high level. 380012
Gilmour, R.F.
Myocardial uptake of /sup 99m/Tc skeletal agents in the rat after experimental induction of microscopic foci of injury. 373673
Gilpatrick, L.O.
The hydrogen reduction of uranium tetrafluoride in molten fluoride solutions. 357096
Gils, H.J.
Experimental studies of hexadecapole motion in spherical nuclei. 375090
Gimadeeva, E.N.
Processes on metal surface during its electropolishing. 349291
Gimmelstejn, Ya.E.
Investigation of the transient operation of an experimental plant with the N_2O_4 coolant and with a flash heater. 355275
Gimmy, K.L.
Use of digital computers in the protection system for Savannah River reactors. (DPSPU – 77-30-3) 352802
Gimzewski, J.K.
X-ray photoelectron studies of scandium and its hydride and oxide. 355983
Gindin, A.Sh.
Fabrication of cold-rolled bands of the alloy-ehi 702 in rolls. 373158
Gindin, I.A.
On the influence of high energy (250MeV) electron irradiation on the structure and properties of aluminium. (KFTI – 74-47) 366413
Gindin, L.M.
Extraction of platinum metals by alkyl anilines from solutions of chlorination of industrial copper-nickel half-finished products. 362180
Gindler, J.E.
Fission product yields in monoenergetic neutron fission of ^{238}U. (BNL-NCS – 22500) 356774
Non-linear behavior of gas targets for isotope production. 357864
Pulmonary ventilation imaging and function studies with krypton-81m. 354938
Gindner, F.
Dependence of the calcium isotope effects of the electrolyte concentration in the ion exchange chromatography. 364957
Gindoyan, S.G.
Energy resolution of a scintillation counter with a large NaJ(Tl) crystal. 358337
Gingerich, M.E.
Effect of ionizing radiation on the optical attenuation in polymer-clad silica fiber-optic waveguides. 370156
Ginglod, J.E.
Assessment of the United States uranium supply outlook, short and intermediate term (1977 – 1996). (PB – 266647) 362575
Gingold, R.A.
Smoothed particle hydrodynamics, theory and application to non-spherical stars. 374909
Gingrich, J.E.
A stream sediment orientation programme for Uranium in the Alligator River Province, Northern Territory, Australia. 373399
Giniatullin, N.G.
Interaction between sodium borohydrides and tin(4) thiosalt in aqueous media. 349220
Giniger, R.
Parametric study of the Cl + HI chemical laser. (IA – 1338) 364156
Ginley, D.S.
Pressure dependence of crystal field splitting in Pr pnictides and chalcogenides. (SAND – 77-2012C) 373326
Ginobbi, P.
Automatic device for measurements of heavy ion tracks in plastics. 368284
Ginoux, J.J.
Hot spots in active packed beds. 365908
Ginoza, M.
The third sum rule and the 'local mean-field theory' in a two-component quantum plasma. 355763
Ginsberg, T.
Dynamics of solidification of flowing fluids with applications to

LMFBR post-accident fuel relocation. (CONF-761001 – P4) 362889
Effect of humidity on the burning rate of sodium droplets. 352300
Role of condensation on dispersion of closed boiling UO_2 systems. 352232
Gintoft, R.I.
Two-photon excitation of luminescence in crystals of $CaF_2:Eu^{3+}$ and $CaF_2:Sm^{3+}$. 351569
Ginturi, Eh.N.
Activation analysis of ribonucleic acides isolated from normal and tumoured tissues. (INIS-mf – 3994) 378087
Ginzburg, A.I.
Device for feeding reference light signals to scintillation detector blocks to stabilize the amplification circuit of a two-channel spectrometer. (Soviet patent document 431478/A/) 376630
Ginzburg, S.K.
Heating of thin samples of maraging steels during short-time aging. 369953
Ginzburg, V.L.
On the origin of cosmic rays. 356238
Possibility of small mass black hole existence and a fundamental length. 364326
Transition radiation and transition scattering. 348587
Giordano, M.
Comparison betwen some Hα and X-ray flares. 356227
Giorgadze, L.P.
A technical test facility for the production of the isotope ^{18}O. (KFK-tr – 542) 376233
Giorgi, M.
A new fast and programmable trigger logic. 371097
Reconstruction of the momentum of a particle moving in an axially symmetric magnetic field. 358344
Giorgi, M. de
The CYCL-OP, a new low cost approach to analog signal fast aquisition for large particle detectors. 371276
Giorgi, T.A.
Use of neutron radiography for quantitative measurements of sorbed hydrogen in getters and quality control of nuclear fuel pins. 376431
Giorni, A.
'Like-backbending' effect in the ^{66}Zn nucleus. (ISN – 77-21) 369471
Core-plus-particle coupling description of the ^{63}Zn high-spin levels. (ISN – 77-41) 359466, 364752
High spin levels in ^{50}V observed in the $^{48}Ti(\alpha,p n\gamma)$ reaction. (ISN – 77-39) 359483
High spin states in ^{62}Cu. (ISN – 77-24) 359536
High spin states in $_{23}{}^{50}V_{27}$. (ISN – 77-22) 369480
High spin states of ^{50}V observed via the $^{48}Ti(\alpha,p n\gamma)$ reaction. 372758
High spin states of ^{62}Cu. 372822
Positive parity high spin states in ^{63}Cu. (ISN – 77-23) 369512
Yrast states in ^{62}Cu. 356731
Giovannelli, F.
Short time transient periodicities from Cyg X-1. (CONF-7510169 –) 364272
Giovannini, A.
Application of the Hanbury-Brown and Twiss interferometry to the production of like pions in πsup(-)p collisions at 11.2 GeV/c. 353777
The Bose-Einstein effect and the jet structure of hadronic final states. 366839
Giovannini, N.
Covariance principle and covariance group in presence of external E.M. fields. 353082
Gippius, A.A.
The nature of luminescence centres in silicon irradiated by fast neutrons. 370176
Gippner, P.
Emission of X ray continua by bombardment of thick Si targets with protons and ^{14}N ions. (INIS-mf – 3996) 363954
Experimental investigation at the tandem accelerator EGP-10-1 of the Central Institute of Nuclear Research, Rossendorf. 357937
Giraev, M.A.
Ettingshausen effect in indium antimonide. 361444
Girard, J.
Evidence for a short lifetime and a long lifetime regime in the deep inelastic collisions between ^{40}Ca and ^{64}Ni at 182 MeV. 372694
Fusion and deep inelastic collisions studied on the Ar + Au system. Pt. 2. 356765
Girard, J.P.
Conformational study of cyclic 2-amino and 2-dimethylamino alcohols with six-membered ring by ^1H-NMR spectroscopy. 367032
Girardi, F.
Application of neutron activation analysis to metallobiochemistry. 369543
Comparison of various analytical techniques for homogeneity test of candidate standard reference materials. 372865
Long-term risk assessment of radioactive waste disposal in geological formations. 352320
Giraud, A.
The nuclear fuel cycle. Light and darkness. 366160
Giraud, B.
Management of high-activity nuclear waste (fission products). (BNWL-tr – 263) 368382
Management of high-level radioactive waste (fission products). 368361
Giraud, B.G.
Control of repulsive core regularization. 351283
New variational principles in nuclear physics. (LYCEN – 7702(pt.2)) 369425
Simple cure to the breakdown of constrained Hartree-Fock. 359401
Girgis, K.
Concentration and pressure dependence of the superconducting transition temperature in Vsub(3-x)Msub(x)Ga (M = Cr,Mn,Fe and Co). 377686
Coordination polyhedra and structure of alloys: binary alloys of vanadium with group IIIB and IVB elements. 357248
Moessbauer studies of the alloys Vsub(75-x)Fesub(x)Ga_{25}. 354513
Girichev, G.V.
Structure, vector field and coriolis constants of molecules of tetrabromides and tetraiodides of titanium, zirconium and hafnium. 357016
Giricheva, N.I.
Structure, vector field and coriolis constants of molecules of tetrabromides and tetraiodides of titanium, zirconium and hafnium. 357016
Girija Shankar, P.V.
Simulation model of a nuclear reactor turbine. 355369
Girina, E.L.
Pulse radiolysis study of electron tunneling in polar systems at low temperatures. 349348
Girish Chandra
^{57}Fe Moessbauer study of single crystal Nisub(0.83)Fesub(0.17). 366457
Temperature dependence of Moessbauer lineshape in disordered (NiFe)sub(1-x)Crsub(x) alloys. 366390
Girish Kumar Sharma
Experimental study on heat transfer from a vertical surface to carbonic anhydride in natural convection in supercritical range of state parameters. 370713
Girlea, I.
Intercomparison of fundamental fission rates and ratios in the intermediate-energy standard neutron fields at the ITN-ΣΣ and Mol-ΣΣ facilities. (BLG – 512) 368001
Giromini, P.
Experimental confirmation of the 1100 MeV structure and first observation of the leptonic decay of the rho' (1250). (DESY – 77/59) 356491
Measurement of the photoproduction phases of the rho, ω, and phi mesons. (DESY – 77/56) 353934
Measurement of the real part of the virtual compton amplitude and of the invariant mass yield of the photoproduced e^+e^- pairs in the mass range $1,500 < m < 2,000$ MeV. (DESY – 77/60) 356492
Girotti, H.O.
Some comments about a static-localized solution for the massive Thirring model. 371371
Girshberg, Ya.G.
Measurement of lattice dielectric permeability of PbTe by the magnetoplasma wave method at 77 K. 374668
Gisclon, J.L.
Fundamental analysis of defects induced by energetic ions implantation in AgCl. 358875
Gislason, E.A.
Differential cross sections from classical perturbation scattering theory. I. 353252
Expansion of differential cross sections determined from classical trajectory studies in a series of Legendre polynomials. 368637
Gitarskij, L.S.
Heat treatment effect on the properties and structure of welded joints of Al-30Be-5Mg alloy. 369975
Gitgarts, M.I.
Effect of elastic interphase strains on extinction in aging nimonic type alloys. 369954
On essence of combined aging of nimonic-type alloys. Colloid effect and its suppression. 373192
Gitman, D.M.
Effect of a strong electromagnetic wave on radiation of weakly excited electrons moving in a magnetic field. 348573
Processes of arbitrary order in quantum electrodynamics with a pair-creating external field. 355764
Quantum processes in an intense electromagnetic field. 350506, 350507
Some properties of correct solutions in the problem of an electron in a quantized plane-wave field. 368519
Gitomer, S.J.
Polarization of X-rays from laser produced plasmas. (INIS-mf – 3963) 353631
Gitowati, Iswani
The beta radiometric analysis of uranium in solution. (PPGM – L119-76) 364915
Comparison between n paraffin and kerosene as TBP diluent in uranium extraction. (PPGM – L112-76) 365027
Gitt, W.
Digital simulation of continuous systems with and without parameter optimization. (PTB-ATWD – 10) 368485
Gittus, J.H.
Theory of superplastic flow in two-phase materials: roles of interphase-boundary dislocations, ledges, and diffusion. 371603
Giuliani, Arlette
Extracted-beam-detection system around synchrotron saturne. (CEA-R – 4857) 355166
Giuliani, C.
Experiments carried out in the RB-2 reactor by null reactivity oscillator method on HTR lattices. 360793
Giuliani, S.
Finite element solution of transient fluid-structure problems in Lagrangian coordinates. (CONF-761001 – P3) 365542

Giulietti, A.
Shock waves from laser-produced breakdown experimental study of their reflection in an acoustic cavity. 364184
Giuntini, C.
Imaging of pulmonary ventilation in asthma assessed with continuous inhalation of krypton-81m. 354931
Giusti, P.
Search for fractionally charged particles produced in proton-proton collisions at the highest ISR energy. 361873
Given, R.M.
Homogeneous catalysis of deuterium transfer by potassium hydroxide and potassium methoxide D_2-H_2O and D_2-CH_3OH exchange. 362215
Givens, F.L.
Thermal expansion of $NbSe_2$ and TaS_2. 365150
Givernaud, A.
Inclusive production of charged pions in K⁻p interactions at 32 GeV/c. 353960
Givoletti, M.
A new fast and programmable trigger logic. 371097
Givord, D.
A canted magnetic structure in an S-ion compound: GdMg. 378692
Givord, F.
Magnetization reorientation in $HoCo_2$. 365134
Spin reorientations in the rare earth – cobalt Laves phases. 378625
Gizhevskij, B.A.
Ferromagnetic resonance and dielectric losses in EuO. 361474
Gizon, A.
gsub(9/2) proton-hole and hsub(11/2) proton-particle in odd-A Cs nuclei. (ISN – 77-29) 369515
High-spin states and triaxial shape in neutron-deficient odd-A Ba nuclei. (ISN – 77-40) 359484, 369481
The hsub(11/2) and gsub(7/2) band structures in ^{131}Ce and ^{129}Ce. 356771
Shape change in the odd-A neodymium isotopes. (ISN – 77-30) 369482
Gizon, J.
gsub(9/2) proton-hole and hsub(11/2) proton-particle in odd-A Cs nuclei. (ISN – 77-29) 369515
High-spin states and triaxial shape in neutron-deficient odd-A Ba nuclei. (ISN – 77-40) 359484, 369481
The hsub(11/2) and gsub(7/2) band structures in ^{131}Ce and ^{129}Ce. 356771
Shape change in the odd-A neodymium isotopes. (ISN – 77-30) 369482
Gjoerup, H.L.
Global collective dose commitments from release of long-lived radionuclides. Differential cost-benefit considerations. 367825
Gjoes, N.
Analysis of organochlorine compounds in effluents from bleacheries by neutron activation analysis and gas chromatography/mass spectrometry. 367021
Gladchenko, A.N.
Microyield and nature of physical fatigue strength of b.c.c. metals. 349531
Gladd, N.T.
Influence of strong inhomogeneities and magnetic shear on microstability properties of the Tormac sheath. 364201
Influence of strong inhomogeneities on high-frequency mirror-drift-cone and convective-loss-cone instabilities. 350821
Gladishevskij, Ye.I.
The x-ray diffraction study on Nb-Ge-B and Ta-Ge-B systems. 375859
Gladkaya, I.S.
Compressive strength and thermal resistance of polycrystalline cubic BN. 378779
Gladkij, Ya.N.
Fractographic studies of fatigue crack propagation in low-tempered steels. 351801
Gladkikh, A.N.
The influence of the temperature and strain rate on terbium, erbium and holmium strength and plasticity. 359931
Gladkikh, I.
A spectrometer for the investigation of small angle neutron scattering by the time-of-flight method (theory). (RL – 77-137-B) 366049
Gladkikh, I.A.
KORAN spectrometer on the IBR-30 reactor. (JINR – 14-9486) 355530
Gladkov, Yu.V.
Correlation between fragment kinetik energy and prompt neutrons in spontaneous fission of ^{252}Cf nuclei. (INIS-mf – 3896) 356575
Gladkovskij, I.P.
Using the VEU-6 channel multiplier for detection of narrow intensive ion beams. 363568
Gladkovsky, I.P.
Fast ion production in a tokamak plasma in the lower hybrid heating experiments. (INIS-mf – 3963) 371867
Gladun, A.
Investigation of the heat conductivity of niobium in the temperature range 0.05 – 23K. 351748
Gladun, C.
Investigation of the heat conductivity of niobium in the temperature range 0.05 – 23K. 351748
Gladysev, G.P.
Methods for safety assessment of the power plant units of the NORDEL group. 376483
Gladyshev, E.N.
Reaction of sterically hindered o-quinones with alkyl derivatives of the third group elements. 372993
Reactions between dicyclopentadienyl vanadium and RHgCl. 351552
Gladyshev, G.E.
Decomposition of supersaturated solution of KCl-$SnCl_2$ in ionizing radiation field. 369783
Gladyshev, M.V.
Basic problems in reprocessing spent fuel elements of nuclear power plants. 366159
Gladyshev, S.N.
Phase composition and structures of alloys of RCo_5 type with alloying elements. 349558
Gladyshev, V.P.
Physicochemical methods for determination of anions of p-elements in aqueous solutions. (INIS-mf – 4188) 375270
Spectrophotometric determination of anions of polyselenides and polytellurides. (INIS-mf – 4191) 375254
Glaesel, H.
On the deposition of cobalt ions on surfaces of austenitic steels in the presence of some anions. 372951
Glaeser, E.
Chemical process measurements in PWR-type nuclear power plants. 364868
Determination of octadecylamine in cooling circuits of power plants by atomic absorption spectrophotometry. 375271
Glaeser, H.J.
Sputtering plant for the deposition of Au, Ag and Cu films on glass sheets up to 3,00 by 4,00 meters. 368788
Glaeser, M.
Correction of the counting rate of halogen counters. 350300
Glaessel, P.
Transitional features observed in the charge and angular distributions of deeply inelastic fragments produced in the reactions ^{181}Ta + 620 MeV ^{86}Kr. 372722
Glagola, D.D.
The ways of determining the effective thickness in complex anisotropic series of the Lower Sarmate. 357459
Glagolev, V.V.
Asymmetry in the angular distributions of spectator-nucleons. (JINR-E – 1-9814) 377778
Narrow signals in the two-bary on effective mass spectrum and spin effects in the pn → np charge exchange process. (JINR-D – 1,2-9342) 356478
On the two-nucleon enhancement associated with high momentum tail of the spectator in the deuteron break up. (JINR-D – 1,2-9342) 356479
Glagoleva, N.S.
Four-electrode streamer chamber. (JINR-R – 13-10380) 358398
Glahe, E.
Absorber rod with outer thread of different pitch. (German (F.R.) patent document 2158178/B/) 355346
Absorber rod with outside screw thread of different pitch. (German (F.R.) patent document 2158178/C/) 355347
Glancy, J.
VISA: a method for evaluating the performance of integrated safeguards systems at nuclear facilities. (NUREG – 0317(Vol.1)) 363725, 363726
Glang, R.
Integrated semiconductor configuration and method for its production. (German (F.R.) patent document 2639465/A/) 365220
Glanzmann, C.
^{123}I, ^{131}I and sup(99m)Tc-pertechnetate for the evaluation of thyroid function. (INIS-mf – 4010) 370432
Coronary artery disease: non-invasive nuclear medicine techniques as the most reliable and sensitive ones. (INIS-mf – 4010) 367703
Results of the use of a sup(99m)Tc labelled pharmaceutical for bile duct scintigraphy. (INIS-mf – 4010) 370505
When should ^{125}I be used for therapy of hyperthyroidism. (INIS-mf – 4010) 373602
Glaros, S.S.
Energy balance measurements for Shiva. (UCRL – 79801) 377409
Experimental laser fusion devices and related vacuum problems. (UCRL – 79176) 358991, 368980
Sub-keV, subnanosecond measurements of x-ray spectra from laser-produced plasmas. (UCRL – 79782) 377458
Glas, D.
Shell correlations for highly asymmetric systems. 351282
Glasby, G.P.
Disposal of high-level radioactive waste. 368396
Fossil manganese nodules from Timor: geochemical and radiochemical evidence for deep-sea origin. 373410
Glascock, M.D.
The lifetime of the 376.7-keV level and shape coexistence in ^{111}Ag. 356772
Glaser, C.L.
Velocity dependence of fine structure changing cross sections. 353329, 377099
Glaser, E.
Evidence of various defect types from dechanneling measurements. (INIS-mf – 3996) 364019
Glasgow
Elastic and inelastic scattering of neutrons by isotopes of molybdenum and zirconium. (BNL-NCS – 22500) 356833
Sample size corrections and comparisons of (n,n') cross sections from n and γ-ray detection. (BNL-NCS – 22500) 356773
Glasgow, W.
Bone mass measurement using a xenon-filled multiwire proportional counter as detector. 360394
Glashow, S.L.
How to compute the Cabibbo angle with six quarks. 361804

Quarks with color and flavor. 366840
Glass-Maujean, M.
Dissociative excitation of H_2 by electron impact. 355877
High-resolution photodissociation study in H_2 from 850 A to 750 A. 377018
High-resolution photodissociation study in H_2 from 850A to 750A. 353253
Glass, A.J.
Beam transport optics for laser fusion. (UCRL – 80170) 371868
Material limitations in fusion lasers. 373319
Glass, G.
nD scattering at 180° for neutron energies from 200 to 800 MeV. (LA-UR – 77-1938) 361876, 369358
Glass, I.I.
Effects of hydrogen impurities on shock structure and stability in ionizing monatomic gases. 363895
Glass, I.S.
An infrared search for OH/IR stars. 374910
J, H, K photometry in the globular cluster Omega Centauri and the spread of the giant branch. 356239
Glass, R.W.
β-scintillation monitor for krypton-85 at high pressures. 363577
Glass, S.J.
One-photon emission in periodic magnetic fields. 355765
Glasser, A.H.
Ballooning modes in tokamaks with finite shear. (INIS-mf – 3963) 371876
Theory of ballooning modes in tokamaks with finite shear. 366527
Glasser, D.
Kinetics of dissolution of β-uranium trioxide in acid and carbonate solutions. 357115
Glasser, F.
'Like-backbending' effect in the ^{66}Zn nucleus. (ISN – 77-21) 369471
Core-plus-particle coupling description of the ^{63}Zn high-spin levels. (ISN – 77-41) 359466, 364752
High spin levels in ^{50}V observed in the ^{48}Ti(α,pnγ) reaction. (ISN – 77-39) 359483
High spin states in ^{62}Cu. (ISN – 77-24) 359536
High spin states in $_{23}{}^{50}V_{27}$. (ISN – 77-22) 369480
High spin states of ^{50}V observed via the ^{48}Ti(α,pnγ) reaction. 372758
High spin states of ^{62}Cu. 372822
Positive parity high spin states in ^{63}Cu. (ISN – 77-23) 369512
Yrast states in ^{62}Cu. 356731
Glasser, F.P.
High temperature chemistry of inorganic and ceramic materials, Keele University, September 1976. The proceedings of a conference organized jointly by the Inorganic Chemicals Group of the Industrial Division of the Chemical Society and the Basic Science Section of the British Ceramic Society. 375731, 375918, 375924
Glassock, R.F.
Absorption of ^{14}C-stearic acid and ^{3}H-palmitic acid from the intestines of a re-entrant cannulated sheep. 352135
Glasson, V.V.
Way of investigation into rocks. (Soviet patent document 481009/A/) 362564
Glatter, O.
Data evaluation in small angle scattering: calculation of the radial electron density distribution by means of indirect Fourier transformation. 355878
Glattli, H.
A cryogenic neutron polarization filter. 361084
Glatzle, A.
Influence of macrobicycle 'Kryptofix 222' on calcium- and strontium-uptake of bush bean seedlings. 352062
Glauberman, H.
Technical and economic aspects of nuclear power plant decommissioning. 368417
Glaubitt, D.M.H.
Cisternography and computed tomography in the assessment of impaired cerebrospinal fluid circulation. (INIS-mf – 4010) 357688
Diagnostic efficiency of radioallergosorbent tests in children with respiratory diseases and simultaneous multiple pollen allergy. (INIS-mf – 4010) 370487
Radioimmunoassay of pituitary hormones during stimulation tests to estimate the efficiency of replacement the therapy in hypothyroidism. (INIS-mf – 4010) 370504
Glaudemans, P.W.M.
Allowed beta decay, ch. 12. 364665
Allowed beta decay, ch. 13. 364666
Applications of Wck's theorem, ch. 17. 364670
Determination of empirical effective interactions, ch. 7. 364660
Effective interactions, ch. 6. 364659
Electric and magnetic multipole moments, ch. 11. 364664
Electromagnetic transition operators, ch. 9. 364662
Electromagnetic transition rates, ch. 10. 364663
Further applications of second quantization, ch. 15. 364668
Interacting particles in one orbit, ch. 4. 364657
Matrix elements in second quantization, ch. 14. 364667
Miscellaneous subjects, ch. 18. 369411
One- and two-nucleon transfer reactions, ch. 8. 364661
One- and two-particle systems, ch. 2. 364655
Particles in two active orbits, ch. 5. 364658
Perturbation theory and configuration mixing, ch. 3. 364656
Realistic and effective operators, ch. 16. 364669
Shell-model calculations on Fe isotopes. (INIS-mf – 4267) 377884
Shell-model calculations on nuclei around A = 56. (INIS-mf – 4267) 377881
Glauser, E.
Nuclear power stations as a safety problem. 379214
Glavish, H.F.
Status report on Stanford's superconducting heavy ion linac project. 363347
Glazar, J.M.
Shut-down system for nuclear reactors. (German (F.R.) patent document 2608929/A/) 355348
Glaze, F.J.
A method for predicting the behaviour of materials in high temperature reactor (HTR) environments using a computerised thermodynamic approach. (KFA-IRW-IB – 21/75) 355425
The thermodynamics of high temperature reactor (HTR) helium. 355121
Glaze, J.A.
Geometrical theory of nonlinear phase distortion of intense laser beams. (UCRL – 76834) 350854
Optical engineering problems associated with construction of the Shiva Laser Fusion Facility. (UCRL – 80004) 361546
SHIVA laser: nearing completion. (UCRL – 79285) 361541
Shiva target irradiation facility. (UCRL – 79784) 377476
Glazkov, A.A.
Specificities for the construction of electron linear accelerators with wide-range characteristics for application in national economy. (INIS-mf – 4194) 379495
Glazkov, A.S.
The radiometric enrichment of poor uranium ores. 365115
Glazkov, Yu.Yu.
Inelastic scattering of slow neutrons by beryllium. (INIS-mf – 3895) 355276
Study on the scattering of slow neutrons by reactor materials. (INIS-mf – 3895) 355296
Glazman, V.B.
Study on the defect profiles in ion-irradiated silicon after annealing by means of ESR of conduction electrons. 357414
Glazov, V.M.
Calculation of dissociation degree using liquidus curvature of congruently-fusing compounds by approximating the theory of regular solutions. 359605
Estimate of the self-diffusion coefficients for selenium and tellurium using viscosity data. 349468
Evaluation of dissociation degree of congruently melting compounds on the base of the theory of regular solutions considering concentration-temperature dependence of mixing energy. 364949
Evaluation of positional component of entropy of fusion of semiconductor compounds considering their dissociation at fusion point. 349427
Investigation into electrophysical properties of $GaSnTe_2$, Ga_2SnTe_3, $Ga_3Sn_7Te_{10}$ in solid and liquid states. 354331
Investigation of temperature dependence of sound velocity in the melts of aluminium, gallium and indium antimonides. 349467
On the diffusionless crystallization in Ge – A^3B^5 systems. 359606
Glazov, V.N.
Method, equipment and main results of the measurement of the Venusian rock density on 'Venera-10'. 373965
Glazunov, G.P.
On diagnostic techniques for optically non-transparent superdense plasma. (KFTI – 75-19) 377410
Glazunov, N.E.
Dosemeter. (Soviet patent document 485396/A/) 376610
Glazunov, P.Ya.
Ionizing radiation effect on phase transformations in polymers. 373345
Gleadow, A.J.W.
Geometry factor for external detectors in fission track dating. 352811
Gleason, M.
Retention and distribution of ^{239}Pu in beagles injected at 3 months of age. (COO – 119-252) 373628
Gleave, C.
The oxidation of mild steel in high pressure CO_2. Paper presented to the Nuclear Engineering Society on Tuesday, 15 November 1977. (INIS-mf – 4179) 369818
Gleaves, G.H.
The effects of ion-implanted impurities on the anodic oxidation of titanium. 351017
Glebocki, R.
Chromosphere of F, G, K type stars. Pt. 1. One-component models. 372174
Glebov, D.V.
Effect of non-stationary state of γ approximately Al_2O_3 surface on radiation-catalytic decomposition kinetics of N_2O. 373047
Effect of non-steady state of γ-Al_2O_3 surface on kinetics of radiation-catalytic decomposition of N_2O. 369784
Glebov, I.A.
Problems of development and application of power supplies based on electromachine electric generators with inertial storages. (INIS-mf – 3954) 361542
Glebov, V. Yu.
Drift chamber with multiwire signal element and long drift distance. 358349
Glebov, V.A.
NMR investigations of NpO_2^+ aqueous solutions. 359731
Glebov, V.I.
Shower spectrometer with a combined radiator. 361015
Glebov, V.N.
Transport-overcharge container for radioactive sources. (Soviet patent document 473465/A/) 379461

Gledenov, Yu.M.
(n, α) reaction for deformed and transition nuclei. (INIS-mf – 3897) 354140
Gledhill, M.H.
Measurement of differential cross sections for elastic K⁺p scattering in the momentum range 0.7 to 1.9 GeV/c. 372511
Gleeson, A.M.
Hot hadronic matter in the early universe. (ORO – 3992-303) 361671
Glehshou, Sh.Z.
Quarks with colour and flavor. 364502
Gleich, G.J.
Measurement of IgD by a double antibody radioimmunoassay: demonstration of an apparent trimodal distribution of IgD levels in normal human sera. 373652
Glej, V.A.
Advanced method for determining the activation energy of relaxation processes in a solid body. 373232
Glejbman, Eh.M.
Heat-current stability system for hydrogen generators in thyratrons of the "SILUND" accelerator with the use of the TPA-i small computer. (JINR-R – 9-9604) 367965
Glemba, P.Ya.
Device for study on central part of extensive air shower by means of a scintillation detector with area of 200 m². 363546
Glembocki, O.
Angular distribution in proton-hydrogen charge-transfer collisions. 358747
Glembotskij, I.I.
Multielectron excitations at argon ion-atom collisions. 377111
Glendenin, L.E.
Fission product yields in monoenergetic neutron fission of ^{238}U. (BNL-NCS – 22500) 356774
Glendenning, N.K.
Long range imaginary optical potential in elastic scattering. (LBL – 6588) 372358
Nuclear collisions at very high energy. (LBL – 6597) 377730
Polarizability of nuclear wave functions in heavy ion reactions. (LBL – 6592) 366927
Polarization of the nuclear wave functions in $^{40}Ca(^{16}O, ^{15}N)^{41}Sc$ and $^{208}Pb(^{12}C, ^{11}B)^{209}Bi$. (IKDA – 77/16) 364672
Polarization of the nuclear wave functions in $^{40}Ca(^{16}O,^{15}N)^{41}Sc$ and $^{208}Pb(^{12}C,^{11}B)^{209}Bi$. 375165
Glenn, H.D.
Containment analysis for the simultaneous detonation of two nuclear explosives. (UCRL – 52268) 363120
Glenn, R.D.
Guide to good practices at plutonium facilities. (BNWL – 2086) 362604
Hanford critical radiation dosimeter. (PNL – 2276) 379886
Glenn, R.L.
Theoretical study of the magnetic heat capacity of praseodymium metal. 373193
Gless, K.H.
Influence of D-thyroxine on plasma thyroid hormone levels and TSH secretion. 352156
Gleyvod, R.
1 MV accelerator structure for cluster injector. 363238
Glibert, R.
Treatment and control of gaseous effluents from light water reactors and reprocessing plants. 358473
Glickman, B.W.
The genetic characterization of lexB32, lexB33 and lexB35 mutations of Escherichia coli: location and complementation pattern for UV resistance. 376077
Gliddon, B.J.
Impurity crystallization in liquid sodium systems. (CONF-760503 – P2) 352754
Gliese, W.
Bibliography on galactic structure in the direction of polar caps. 369083
M dwarfs at lower z distances. 369082
Glikina, F.B.
Effect of inhibitors on corrosion behaviour of stressed steel-20 in hydrochloric-acid and citric-acid solutions. 351659
Glikman, L.G.
Electric prism. (Soviet patent document 441610/A/) 355608
Glimm, J.
Instantons in a U(1) lattice gauge theory: A Coulomb dipole gas. 374561
Glinchuk, K.D.
On vibrational properties of 1.0, 1.2 and 1.3 eV emitting centers in GaAs. 374792
Glinchuk, M.D.
Effect of external electric fields on Gd^{3+} EPR in $KTaO_3$. 374713
Gllaher, J.B.
Development of an automated encapsulation system. Final report. (BDX – 613-1493(Rev.)) 357921
Gloaguen, A.
What is done in France with respect to the design, manufacture, management and development of nuclear fuel. 365880
Globa, L.V.
Cobalt content and welding conditions effect on diffusion interaction of the VK hard alloys tungsten. 349500
Globenko, Yu.G.
Effective increase in the longitudinal beam emittance in case of transition energy crossing. (ITEF – 37) 357936
Glock, J.
Method for reception of radioactive wastes in embedding materials. (Austrian patent document 325165/A/) 374412
Gloebel, B.
The effect of orally administered contrast media for cholangiography on T_4-T_3 conversion. (INIS-mf – 4010) 370484
Influence of iodinated cholegraphica on T_4/T_3-conversion. 360380
Studies on the radiation burden using ^{125}I for radioimmunoassays. 376222
Gloeckler, G.
The Low-Energy Charged Particle (LECP) experiment on the Voyager Spacecraft. 374927
A versatile detector system to measure the charge states, mass compositions and energy spectra of interplanetary and magnetosphere ions. (N – 77-22022) 366699
Glonti, L.N.
Measurement of the polarization correlation coefficient in elastic pp scattering at 610 MeV. 369360
Glonti, N.Ya.
Evaluation of real errors in cosmic ray data automation of the data acquisition and primary computer processing. 357524
Glosik, J.
Electron distribution function measurement in irregular ionization waves. 377411
Gloskovskaya, N.K.
Effect of some factors on luminescent properties of cadmium iodide crystals. 348818
Glotov, A.
Emission characteristics of hydrogen negative ion source as an injector of the FEhI EhGP-10M charge-exchange electrostatic accelerator. (FEI – 544) 376364
Glotov, A.I.
Distribution of hydrogen negative ions concentration in a duoplasmatron. (FEI – 545) 376352
Nanosecond ion pulse production at the FEI EGP-10M charge-exchange electrostatic accelerator. (FEI – 680) 376365
Glover, G.M.
Ultrasonic method for the measurement of oxygen in sodium. (CONF-760503 – P2) 352746
Glover, P.A.
Plutonium and americium behavior in the soil/water environment. I. Sorption of plutonium and americium by soils. (BNWL – 2117) 370258
Glowiak, B.
Investigations on the discrimination coefficients Sr-90 and Cs-137 in the system atmospheric precipitation-soil. 365324
Radioactive contamination of some arable soils in the Lower Silesia in 1972. 354651
Glowiak, B.J.
Strontium-90 and caesium-137 contents in human teeth. 365423
Gloyna, E.F.
Summary of geologic review group meetings, July 21 – 22, 1977. (Y/OWI/TM – 18/3) 374430
Gluckstern, R.L.
Longitudinal coupling impedances in a periodically loaded guide above cut off. (BNL – 50611) 357959
Glueck, M.
Charm effects in deep inelastic muon-proton scattering. 377731
Dynamical determination of parton and gluon distributions in quantum chromodynamics. 366841
Glueckauf, E.
Robert Spence, 7 October 1905 – 10 March 1976. 371319
Gluekler, E.L.
Considerations of the third line of assurance: post-accident heat removal and core retention in containment. (CONF-761001 – P4) 362932
Post-accident heat removal in LMFBRs. (GEFR-SP – 023) 373821
Glukhikh, V.A.
"Angara-5" thermonuclear device. (INIS-mf – 3954) 361644
"Aurora-2", "Aurora", "Electron-4" high-voltage accelerators. (INIS-mf – 4194) 376348
Development of a superconducting current element for the "T-10M" facility. (INIS-mf – 3954) 361544
Electron linear waveguide accelerators for applied purposes. (INIS-mf – 4194) 376273
High-current accelerators for thermonuclear researches. (INIS-mf – 3954) 363239
Power electron accelerator for industrial radiation chemistry installations (project). (INIS-mf – 4194) 376349
Present state and prospects of the development of high-voltage electron accelerators. (INIS-mf – 4194) 376366
Prospects for the development of high-voltage electron accelerators for power industry. (INIS-mf – 4194) 376822
Pulse power supplies based on induction storages. (INIS-mf – 3954) 361545
Superconducting magnets for shaping beams of particles with a small life-time. (ITEF – 93(1975)) 374095
Technological problems of the Tokamak-10 reconstruction. (INIS-mf – 3954) 361543
Glukhov, A.V.
Vacuum conditions at Tokamak-10. 368948
Glukhov, G.G.
Development of nuclear-physics methods of elemental analysis of semiconductor materials and articles from them. (INIS-mf – 3994) 378099
Neutron activation determination of gold in rocks, ores, and minerals using extraction with organic sulfides. 375981
Neutron activation determination of iridium in rocks, ores, and ore concentrates. 375980
Glukhova, G.V.
Neutron activation determination of gold in rocks, ores, and minerals using extraction with organic sulfides. 375981

Glumov, A.V.
Reorientation of M^{2+}-vacancy complexes in potassium-and rubidium chlorides. 361464
Glushchenko, N.I.
Electric explosion producing ohmic contacts on wide-zone semiconductors of A^2B^6 group. 364950
Glushchenko, V.G.
Protection of the synchrophasatron electromagnet excitation coil against the contact between turns. (JINR – 9-9031) 357960
Glushko, P.I.
Structure of scale on molybdenum disilicide. 351662
Glushkov, A.V.
Measurements of energy spectrum of primary cosmic rays in the energy range above 10^{17} eV. 361697
Glushkov, E.S.
Structure of the nuclear power industry with allowance for energy production other than electricity. 366115
Glushkov, I.S.
Modeling of an inertial system with gas-kinetic confinement of magnetized plasma. (INIS-mf – 3963) 371715
Glushkova, V.B.
Preparation of solid solutions based on ZrO_2 and HfO_2 and study of the process of their crystallization. 369701
Gluskoter, H.J.
Survey of trace elements in coals and coal-related materials by neutron activation analysis. 372922
Glyde, H.R.
Elementary excitations in normal liquid ^{3}He. 361447
Gmelin, E.
Induced acceptor levels and free-carrier mobility due to c⁻-screw dislocations in tellurium. 370155
Gmitro, M.
Supernova explosion and neutral currents of weak interactions. 366842
Towards a better understanding of ^{16}O nuclear structure: muon capture and radiative pion capture reactions. 361974
Gnadt, P.A.
Dynamic boiling tests in a 19-pin simulated LMFBR fuel assembly. (CONF-771109 – 77) 379822
Edge blockage in a 19-pin sodium-cooled bundle. (CONF-771120 – 8) 373823
Thermal-hydraulic correlations of a six-channel blockage in a sodium-cooled simulated LMFBR fuel assembly. (CONF-761001 – P4) 362943
Gnat, Y.
$f^0(1270)$ production in the reaction $\pi^-p \rightarrow \pi^+\pi^-n$ at 12 and 15 GeV/c. 372501
Gnatchenko, S.L.
Magnetic field induced equivalent noncollinear structures in the cubic ferrimagnetic Gadolinium ferrite garnets. 355984
Magnetic intermediate state in dysprosium orthoferrite. 361451
Gnatovich, V.
System of computer programs for gamma and beta spectra processing. (JINR – 10-8928) 351355
Verification of the sup(83m)Se(Tsub(1/2 = 69.2 s) decay scheme. 378026
Gnedin, Yu.N.
Polarization of X radiation from magnetized accretion disk. 369084
Gnedov, Yu.A.
Analysis of neutrino-lepton elastic scatterings on the basis of some models with lepton neutral currents. 351162
Energy spectra of charged fermions in some processes with photons and neutrinos (antineutrinos). 375046
Polarization of a final lepton in elastic scattering of a charged lepton on a proton. 351161
Gnedova, S.V.
Diffusion interaction of TK hard alloys with tungsten. 349501
Gnirk, P.F.
Analysis of the custom design/fabrication/testing requirements for a large-hole drilling machine for use in an underground radioactive waste repository. (Y/OWI/SUB – 4269/22) 352874
Factor-of-safety formulations for linear and parabolic failure envelopes for rock. Technical memorandum report RSI-0038. (ORNL/SUB – 4269/16) 361120
Gnyp, I.P.
On the method for ring fatigue crack formation in cylindrical samples. 369955
Goans, R.E.
Preliminary considerations in the use of large planar intrinsic germanium detectors for detection of internally deposited actinides. (ORNL – 5171) 367552
Ultrasonic pulse-echo determination of burn depth in partial-thickness burns. (ORNL – 5171) 367628
Gobbi, B.
Electron-muon and electron-hadron production in e^+e^- collisions. 366879
A search for neutral heavy leptons. 356514
Goblirsch, R.
Search for magnetic order in selected pseudobinary systems down to millikelvin temperatures. 371604
Gobuty, A.H.
A rapid one-step kit for the routine preparation of basic sup(99m)Tc penicillamine. 375656
Gochalieva, E.P.
Anodic behaviour of niobium-nickel and tantalum-nickel alloys in acidic solutions. 369714
Gockley, D.
Observation of channeling of negative pions of 4GeV/c momentum. 355934
Godart, J.
In beam collection of ^{123}Xe for carrier-free ^{123}I production. 376236
Godbee, H.W.
Source terms for radioactive gaseous effluents from a model high-level waste solidification facility. (ORNL/NUREG/TM – 67) 380046
Godbole, R.
One-, two-, and three-particle distributions in pp collisions at 205 GeV/c. 372529
Godbole, R.M.
Weak correction to the muon magnetic moment in SU(2)sub(L)XSU(2)sub(R)XU(1) gauge models. 366843
Godbout, P.J.
The challenge of nuclear energy to Quebec industry. 363069, 363070, 363478, 363482, 365960
Goddard, A.J.H.
Atmospheric dispersal of radioactive pollutants over long distances and the calculation of collective dose. 370288
Goddard, M.C.
Strange-particle cross sections from π^+p interactions at 10.3 GeV/c. 351219
Goddard, P.
Baecklund transformations and the construction of the Atiyah-Ward ansatze for self-dual SU(2) gauge fields. 376901
Goddard, R.P.
Deuteron optical model calculations including a Tsup(p) tensor interaction. 361979
Goddard, W.A. III
Photodetachment cross section of the negative hydrogen ion. 363910
Goddet, J.
Operating experience with the Phenix nuclear power station from the point of view of safety. (CONF-761001 – P1) 362933
Phenix construction and operating experience. 379786
Phenix LMFBR power plant: Radioactive effluent releases and operating team irradiation results after two years of industrial operation. 367778
Goddet, J.L.
Three years of Phenix operation. 358295
Godeau, A.
Neutron logging of petroleum wells by spectrometric analysis of the prompt emission of inelastic scattering and capture gamma rays. 375966
Godeeva, E.N.
Development of rapid high-efficiency photoactivation method for determination of gold in ore powder samples. 354646
Godet, M.
Skew scattering in $CeAl_2$: evidence of crystal field effect. 353414
Godfrey, A.
Spherical containment system has many advantages. 365885
Godfrey, B.B.
Relativistic electron beam cyclotron wave growth in helical slow wave structures. (LA-UR – 77-2205) 374061
Godfrey, P.D.
Detection of interstellar DNC: difficulties of chemical equilibrium hypothesis for enrichment. 348995
Observation of $J = 1 \rightarrow 0$ emission from $H^{15}NC$. 348985
Godik, Eh.Eh.
Photoelectric properties of silicon alloyed with indium. 368789
Godin, P.
Industrial method of hydrogen production. 357040
Godio, G.P.
GOSPEG-1 a program for routine analysis of γ-ray spectra by an in line IBM S/7 computer. (CNEN-RT/CHI – 77-4) 363736
Godshall, M.M.
Eddy current materials testing device. (German (F.R.) patent document 1648373/C/) 360738
Godwal, B.K.
Stochastic method of calculations for fast systems. 363381
Godwin, J.G.
Studies of rich clusters of galaxies – 4. Photometry of the Coma Cluster. 356240
Godwin, R.O.
Optical engineering problems associated with construction of the Shiva Laser Fusion Facility. (UCRL – 80004) 361546
SHIVA laser: nearing completion. (UCRL – 79285) 361541
Godwin, R.P.
Angle-dependent reflectance of laser-produced plasmas. 371869
Polarization of X-rays from laser produced plasmas. (INIS-mf – 3963) 353631
Reflection losses from laser-produced plasmas. 374820
Godzhaev, Eh.M.
Electrophysical properties of $EuA_2^5X_4^6$ type compounds. 369624
Synthesis and investigation into $CuLnTe_2$ compounds. 359932
Godzinska, E.
Synthesis of serum proteins in parabiotic mice after thymectomy and sublethal X-irradiation. 373525
Goebbels, J.
On microwave absorption of amorphous superconductors. (INIS-mf – 4034) 366795
Goebel, C.J.
Barrier-top resonances and heavy ion reactions. 351279
Goebel, R.
In vitro determined thyroid hormones and TSH levels in patients with an autonomous thyroid. (INIS-mf – 4010) 370509
Goebel, U.
Investigation of ^{139}La NMR in Lasub(1-x)Gdsub(x)Zn and Lasub(1-x)Gdsub(x)Ag. 362406
Goedbloed, J.P.
High-beta tokamaks surrounded by force-free fields. (INIS-mf –

3963) 371800
Goeddel, W.V.
Low-enrichment and denatured (thorium) fuels for the HTGR: a status report. (GA-A – 14606) 363468
Goede, A.
Particle balance in a picket fence ion source. (INIS-mf – 3963) 371487
Goedicke, K.
Comparison between electron beam evaporation and high-rate sputtering with the plasmatron. 377283
Goedken, M.P.
The complexation of lanthanides by aminocarboxylate ligands. 364936, 364952
Goedkoop, J.A.
Processing of radioactive wastes. 376754
Goeij, J.J.M. de
Extended automated separation techniques in destructive neutron activation analysis. 372935
Goel, A.
The Moessbauer effect on ^{119}Sn and ^{197}Au nuclei in gold, palladium and platinum matrices. 353424
Goel, B.
Importance and status of (n,α)-cross sections for a reliable prediction of radiation damage in stainless steel. (KFK – 2473) 354193
Goel, D.P.
Positron annihilation and ferroelectricity in triglycine sulphate. 364043
Positron annihilation in triglycine sulphate. 366427
Goel, V.K.
Effect of metabolic inhibitors on ^{3}H-lysine incorporation in the stilbestrol stimulated chick oviduct. 354890
Goeldner, U.
Method and device for the dry preparation of ceramic uranium dioxide nuclear fuel wastes. (German (F.R.) patent document 1667851/B/) 354477
Goeller, B.
Vibrations in the pressure suppression system of BWR reactors with flexible, water-charged spherical containment. 370879
Goeller, H.E.
Management of high-level and alpha-bearing wastes. 368366
Goellner, D.
Waste management and proliferation: an assessment of technologies and policies relevant to nuclear power. Final report, June 1975 – March 1977. (BNL – 50694) 366069
Goenczi, L.
Precise measurements of the elastic n-d differential cross section at low energy. 366962
Goensgen, F.H.
Effect of extended pulse length on the Mirror Fusion Test Facility (MFTF). (UCRL – 52294) 350923
Goepp, R.A.
Thyroid radiation dose during panoramic and cephalometric dental x-ray examinations. 362696
Goergen, H.M.
The Brazilian nuclear power programme. 361201
Goering, S.
Nuclear radii and magnetic moments of ^{128}/sup ,/^{131}Ba from high-resolution laser spectroscopy. 351399
Goerlich, L.
Multiwire proportional chambers with a small sensitive area. (INP – 864/PH) 374312
Goerner, H.
Laser flash photolysis and quantum yields of the direct photochemical cis-trans isomerization of 4-nitro-4'-methoxystilbene in cyclohexane solutions in presence of quenchers. Model for the photoisomerization of nitrostilbenes. 359778
Goerner, W.
Counting yield correction by an event – time interval – transformation. 374320
Evaluation of photopeaks on a linear bacground. 374381
Goessner, W.
Experimental induction of bone tumors by short-lived bone-seeking radionuclides. 365424
Goethlich, L.
Coatings to be hardened by radiations. (German (F.R.) patent document 2452322/A/) 354426
Research and development in the field of radiation curable coating systems. (BMFT-FB-K – 77-02) 354418
Goettert, H.
Measurement of the velocity of fourth sound in helium II under pressure. 351115
Goetz, K.G.
Normal development of the fruitfly Drosophila in VLF magnetic fields. 352036
Goetz, S.
Normal development of the fruitfly Drosophila in VLF magnetic fields. 352036
Goetzl, H.
Time switch for X-ray diagnosis apparatus. (German (F.R.) patent document 2544697/A/) 376250
Goetzmann, C.
Control rod drive for a nuclear reactor. (German (F.R.) patent document 2409181/B/) 350174
Goetzmann, C.A.
Design and safety studies for the gas-cooled fast reactor in the Federal Republic of Germany. 379231
GCFR Program in the Federal Republic of Germany. 379760
Post-accident heat removal for gas cooled fast reactors. (CONF-761001 – P4) 362895
Safety considerations in the design of gas-cooled fast breeder reactors. (CONF-761001 – P1) 362881
Goetzmann, O.
Fuel rod development. (KFK – 1277/2) 371039
Goetzmann, W.
Influence of the size and shape of cooling channel blockages on the emergency core cooling in the reflood phase of a LOCA. (KFK – 2435) 357796
Goeva, M.E.
Evaluation of reservoir properties and oil and gas content in carbonate deposits from exploitation-geophysical data. 365288
Gofen, G.I.
On possibility of determination of copper trichlorophenate in plants by neutron activation method. 356943
Goffart, J.
On the indenyl compounds of actinide elements. 373017
Goffe, T.V.
Electron loss by 35-1000 keV He^{+} ions in collisions with atomic and molecular hydrogen. 366367
Gofman, Yu.I.
Irradiation effect on the silumin mechanical properties. 349580
Goganov, D.A.
Equipment for measuring X-ray emission of extraterrestrial sources. 374294
Gogate, S.S.
Tritium persistence pattern in some terrestrial plants-field investigations. (INIS-mf – 4140) 373627
Tritium turnover in succulent plants. (INIS-mf – 4142) 376137
Uptake of tritium from HTO exposure in the fresh water fish Tilapia mossambica. 349785
Goggi, G.
The s-dependence of double diffraction dissociation of protons at the CERN Interscting Storage Rings. 369373
Search for narrow resonant states in $e^{+}e^{-}$ collisions near 6 GeV. 351208
Study of charge-exchange double dissociation of protons at the CERN Intersecting Storage Rings. 369374
Gogishvili, O.Sh.
Homogeneization of the germanium telluride. 378626
Gogny, D.
The collective modes in nuclear matter. (CEA-CONF – 3962) 377882
The propagation and damping of the collective modes in nuclear matter. 372613
Gogokhia, V.Sh.
Investigation of the solution of quasipotential equations. (JINR-D – 1,2-10400(v.1)) 376909
Gogolak, C.V.
Variation of radon and radon daughter concentrations with height above ground. (HASL – 325) 378914
Gogotsi, G.A.
Calculation of heat resistance criteria accounting for the features of refractory deformability. 378767
On estimate of brittleness and strength of low-deformable inorganic materials. 360025
Goh, K.M.
Isotopic studies on the uptake of sulphur by pasture plants. 367569, 367571
Radiocarbon enrichment of soil organic matter fractions in New Zealand soils. 351928
Gohar, Y.
Use and performance of graphite and metal ISSECs in tokamak fusion reactors. (UWFDM – 202) 377333
Goheen, M.W.
Close-coupled x-ray analysis of mixed oxide fuels. (HEDL-SA – 1271-FP) 380128
Gas tagging for fuel failure location using xenon and krypton. (HEDL-SA – 1154) 368247
Gohshi, Y.
Fission products deposition in a stainless steel sodium system. (IWGFR – 7) 360996
Gohshi, Yohichi
Cold trapping of fission products in a stainless steel sodium loop. 359749
Goin, K.L.
2-MW plasmajet facility thermal tests of concrete. (SAND – 77-0952) 358186
Goitein, M.
Fan beam X-ray or γ-ray 3-D tomography. 374301
Goj, A.A.
Analysis of new data on the sup(40)Ca(e,e'p) reaction in the multi-particle approach frameworks. 377885
Gojmerac, A.
Extraction and complex formation of thorium(IV) with 3-hydroxy-2-methyl-1-(4-tolyl)-4-pyridone. 375664
Gokcen, M.
Rapid sensitive radioassay for serum native and denatured DNA. 367620
Gokhale, B.G.
The Sommerfeld screening parameter $sigma_1$ in X-ray spectra. 366336
Gokhale, D.P.
Sediment transport studies at Visakhapatnam. 367412
Gokhale, K.V.G.K.
Reaction of zircon with sodium carbonate. 367295
Gokhale, M.H.
Transmission of acoustic wave energy across a magnetic flux sheath. 366771

Gokhberg, B.M.
Cross section of ^{244}Pu fast fission. 375175
Gokhberg, Ya.A.
On durability of bimetal in corrosion environment. 369819
Gokhman, L.Z.
Investigation into infrared spectra of crystal molybdates and tungstates of rare earths, yttrium and scandium (the Eh_6MO_{12} composition). 375455
Gokieli, R.
Inclusive π^0 production in π^+p interactions at 16 GeV/c. 366818
Observation of jet structure in high psub(T) events at the ISR and the importance of parton transverse momentum. 353956
Gokieli, V.D.
Study on the characteristics of the cascade showers produced by muons in iron in the energy range from 0.3 to 3 TeV. 361656
Gol'danskij, V.I.
Effect of viscosity on positronium formation in liquid phase. 375627
Features of low-temperature radiation-induced polymerization of carbon suboxide. 354434
Hydration energy of positron and oxidation reactions of positronium. 375626
Phenomenon of quantum low temperature limit of chemical reaction rates. 349349
Polymerization of solid N-phenylmaleimide. Specific features of growth of the polymer chain and determination of the reaction volume. 367169
Post-radiation solidification of oligocarbonateacrylates. 357133
Study of the nature of chemical bonding in BeH_2 and AlH_3 by the positron method. 374654
Gol'denberg, A.L.
Aging resistance and stabilization of high density polyethylene formed on vanadium-containing catalyst. 357031
Gol'denberg, B.S.
Diffusion annealing effect on structure and properties of nickel coating on copper alloy. (INIS-mf – 4046) 369979
Gol'dfajn, V.N.
Titanium alloy surface alloying for wear resistance improvement. 378675
Gol'dfarb, Yu.Ya.
Kinetics of n-decane hydrocracking on Al_2O_3-MoO_3-NiO catalyst. 378272
Relation of reaction rates of n-decane and methylnonanes during hydrocracking of hydrocarbons on oxide alumonickelmolybdenum catalyst. 378273
Gol'din, L.L.
Reconstruction of a magentic field configuration in a pole gap of an accelerator according to measurement results. 370744
Gol'din, S.I.
Catalytic activity of γ-irradiated alumopalladium catalysts. 373060
Determination of yields of gaseous products of carbohydrates radiolysis by mass spectrometry method. 378519
Gol'din, V.A.
Lighting equipment with the DRSh-1000 and PRK-7 mercury-quartz lamps for radiation chemistry. 370724
Gol'dinov, A.L.
Separation of strontium nitrate from nitric-acid extract during production of compound fertilizers. 351490
Gol'dman, E.I.
Field characteristics of electric conductivity of semiconductor films containing intergranular barriers. 374714
Gol'dman, Z.A.
Semi-automatic logarithmic converter of logs. 362570
Gol'dshtejn, L.G.
Experiment on radioisotope application to investigation into technological processes of continuous steel casting and improvement of metal quality. 373146
Gol'dshtejn, M.L.
Pulsed electrodeposition of zirconium on liquid bismuth. 375765
Gol'dshtejn, S.L.
The extraction of zink-zirconium compositions from under the salt melt layer. 372961
Impulsive electrolysis of zirconium-containing chloride-fluoride melt with bismuth cathode and soluble zirconium anode. (INIS-mf – 4189) 375457
The method of zinc-zirconium composite electrolytic preparation. (Soviet patent document 449994/A/) 359870
Pulsed electrodeposition of zirconium on liquid bismuth. 375765
Gol'dshtejn, Ya.E.
Boron content effect on the high-temperature plasticity of corrosion resistant low-carbon austenite type steels. 378627
Gol'tsev, V.P.
Basic performance problems and prospects for 1200-1500MW gas-cooled fast reactors with dissociating coolant. 365981
Behaviour of construction materials in N_2O_4 medium under conditions of variable temperatures. 351663
Gol'tsev, V.Yu.
Technique for fracture toughness testing at negative temperature. 378684
Gol'tsman, B.M.
Thermoelectric properties of multicomponent solid solutions on the base of bismuth tellurides. 354318
Gol'tsov, V.A.
Hydrogen permeability of steels and alloys for vacuum chambers of thermonuclear facilities. (INIS-mf – 3954) 362407
Installation for measurement of parameters of hydrogen isotope penetration through metallic membranes. 375272
Gol'tsov, Yu.I.
Electric conductivity of sintered glasses based on systems of oxides of lead, germanium and transition metals of group 6. 369670
Gol'tsova, K.N.
On a possibility of sublimation refining of niobium and tantalum chlorides. 369679
Gol'tyapin, Yu.V.
Basic regularities of carboranes-12 redox isomerization. 359699
Gol'zberg, K.L.
Effect of single and fractionated irradiation on the life span of the offsprings of irradiated and nonirradiated drosophila males. 379013
Gola, D.
Effects due to Coulomb interaction in the sequential decay reaction $^2H(\alpha, p\alpha)n$. 351271
Quasi-free contributions in the $^6Li(d,tp)^4He$-reaction at Esub(d) = 0.465 MeV. 356867
Goland, A.N.
An intense neutron source based upon the deuterium-stripping reaction. 355187
Positron-annihilation investigation of high-temperature neutron-irradiated molybdenum. 354612
Golant, V.E.
Fast ion production in a tokamak plasma in the lower hybrid heating experiments. (INIS-mf – 3963) 371867
Golas, D.B.
Molecular alterations in E. coli B cells irradiated in oxygenated and anoxic states. 365364
Golay, M.W.
Coolant mixing in the LMFBR outlet plenum. (COO – 2245-44TR) 363501
Validation of turbulence models for LMFBR outlet plenum flows. 371015
Golczewski, J.
The hyperfine quadrupole interaction observed in binary Agsub(x)Ysub(1-x). (INP – 866/PL) 371569
Gold, E.N.
New and superior adrenal imaging agent, ^{131}I-6β-iodomethyl-19-nor-cholesterol (NP-59): evaluation in humans. 357652
Gold, K.
Accumulation and transport of minerals by marine protozoa. Progress report, September 1, 1976 – November 30, 1977. (COO – 3390-28) 360438
Gold, R.
Dosimetry needs for the Magnetic Fusion Materials Program. (CONF-771036 – 6) 377423
Mass and charge dependence of SSTR asymptotic sensitivity. (HEDL-TME – 75-130) 351284
Overview of gamma-ray energy deposition and spectra in fast reactor environments. (HEDL-SA – 1238) 379761
Gold, R.E.
Fusion-driven actinide burner design study. Second quarterly progress report. (WFPS-TME – 024) 366516
Gold, V.
Hydrogen isotope exchange in the aldehyde group during the reduction of benzaldehyde by tritiated sodium borohydride (tetrahydridoborate). 351463
Radiation-induced organic hydrogen isotope exchange reactions in aqueous solution. 378514
Golda, W.
Methodologic problems concerned with estimation of gastrin by RIA. 373761
Goldammer, H.
Simulation of the thermal fuel/coolant reaction in laboratory tests for water-cooled reactors. 370880
Theoretical and experimental investigation of fuel-coolant interactions in a shock tube configuration. (CONF-761001 – P4) 362934
Goldanskii, V.I.
Interstellar grains as possible cold seeds of life. 351018
Goldbach, K.
On the Fokker-Planck solution for thermal noise in Josephson junctions. 353730
Goldberg, D.A.
Measurements of the elastic scattering of ^{12}C from ^{28}Si at 131.5 MeV and 186.4 MeV in the rainbow scattering region. (RLO/1388 – 362) 372734
Measurements of the elastic scattering of ^6Li from ^{28}Si at 135 MeV in the rainbow scattering region. (RLO/1388 – 362) 372735
Transition between light- and heavy-ion elastic scattering. 351342
Goldberg, E.
Dosimetry measurements external to a 10 kiloliter liquid-air vessel containing a D-T neutron source. (UCRL – 52334) 379387
Goldberg, F.F.
FRANTIC: a computer code for time dependent unavailability analysis. (NUREG – 0193) 373874
Goldberg, H.
Estimates for the probability of detecting neutral heavy leptons in hadron-initiated interactions. 372422
Goldberg, J.
Study of the reaction $\pi^+p \rightarrow K^+\Sigma^+$ between 1.721-1.954 GeV c.m. energy. 356528
Goldberg, M.
The cross section for the production of massive electron pairs and the UPSILON(9.5 GeV) in proton-proton collisions at the CERN ISR. 369367
Study of photons produced simultaneously with the J/psi particles at the CERN Intersecting Storage Rings. 377794
Goldberg, M.L.
Radioimmunoassay for adenosine 3',5'-cyclic monophosphate and guanosine 3',5'-cyclic monophosphate in human blood, urine, and cerebrospinal fluid. 352101

Goldberg, S.M.
An assessment methodology of environmental risks associated with radioactive waste management. 368397
Goldberger, M.L.
Bound states of weakly coupled long-range one-dimensional quantum Hamiltonians. 371344
Golde, A.
Study of SPEAR as dedicated source of synchrotron radiation. 363183
Golden, D.E.
Population of the vibrational levels of the ground state of nitrogen by low energy electron scattering. 358808
Golden, J.
High-power microwaves from a nonisochronic reflecting electron system. 364223
Numerical simulation of proton rings during static compression and trapping. 364226
Golden, J.E.
Design considerations for a migma advanced fuel fusion reactor. 363240
Generalized Coulomb-projected Born-approximation cross sections for atomic excitation by charged-particle impact. 363925
Golden, J.H.
Assessment of waterspout frequencies along the U.S. East and Gulf coasts. 357774
Golden, K.I.
Eigenmode description of the hot ion cyclotron beam-whistler mode instability in parallel shock waves. 350856
Long-wavelength sum rules for two-dimensional plasmas. 350855
Golden, M.H.N.
Total protein synthesis in elderly people; a comparison of results with [^{15}N]glycine and [^{14}C]leucine. 360370
Golden, M.P.
Apparatus for controlling molten core debris. (US patent document 4,036,688/A/) 374247
Golden, R.D.
Evaluation of explicit finite-difference techniques for LMFBR safety analysis. (CONF-761001 – P3) 365520
Golden, R.L.
Cosmic-ray antiproton flux: an upper limit near that predicted for secondary production. 372118
A magnetic spectrometer for cosmic ray studies. 374321
Goldenbaum, G.C.
Experimental and numerical studies of magnetohydrodynamic stability properties of a rectangular-cross-section finite-β toroidal plasma. 350794
Goldfinch, A.L.
Analytical models and experimental studies of centrifugal pump performance in two-phase flow. Key phase report. (EPRI-NP – 170) 367801
Goldfinger, R.C.
Analysis of exchange effects in the reactions ^{16}O(^{6}Li,^{4}He)^{18}F and ^{16}O(^{3}He,p)^{18}F. 361980
Goldflam, R.
Coupled states and infinite order sudden approximations to the body frame wavefunction. 368665
Factorization and fitting of molecular scattering information. 368638
Infinite order sudden approximation for rotational energy transfer in gaseous mixtures. 366337
Goldfuss, G.T.
Analytical and experimental studies of transient fuel freezing. (CONF-761001 – P4) 362914
Experiments on pressure-driven fuel compaction with reactor materials. (CONF-761001 – P4) 362948
Goldhaber, A.S.
Dirac particle in a magnetic field: Symmetries and their breaking by monopole singularities. 372423
Electric charge in composite magnetic monopole theories. 361805
Extracting deltas from the deuteron. 372614
Hydrodynamical calculations of heavy-ion collisions. (LA-UR – 77-1965) 361951
Spherically symmetric monopoles. 363858
Goldhaber, G.
D meson production and decay in e^+e^- annihilation at 4.03 and 4.41 GeV c.m. energy. 353989
K^0 production in e^+e^- annihilation. 353983
Properties of the proposed tau charged lepton. 356517
Spectroscopy of new particles. (LBL – 6732) 372523
Spin analysis of charmed mesons produced in e^+e^- annihilation. 351228
Goldhaber, M.
Nuclear photoelectric effect and remarks on higher multipole transitions. (BNL – 23062) 359402
Status of conserved quantum numbers. (BNL – 23585) 377732
Goldhirsch, I.
Bosonization and renormalization group treatment of quantum Heisenberg model. (WIS-Ph – 77/22) 366266
Golding, R.J.A.
Relativistic three-pion dynamics in the ω channel. 369399
Goldman, A.J.
In-pile experiments and test facilities proposed for fast reactor safety. (CONF-761001 – P2) 362940
Goldman, A.M.
Experimental determination of the order parameter: response function of a superconductor. (COO – 1569-145) 373194
Experimental studies in solid state and low temperture physics. Progress report for 1977. (COO – 1569-144) 371605
Goldman, E.B.
The dynamics of high compression of laser fusion targets. 374807
Goldman, I.
Extremality of mass in the bimetric theory of gravitation. 353083
Goldman, I.D.
Directional correlation studies of gamma transitions in ^{69}Ga and ^{71}Ga. (IEA – 475) 351260
Multipole admixture delta(E2/M1) of gamma transition in ^{69}Ga. 354257
Rate of formation of the isomeric states of ^{164}Ho. 354274
Study of the reaction ^{55}Mn (γ, 3n) ^{52}Mn up to 46 MeV. 354245
Goldman, J.M.
Distribution and circulation of ^{111}In labelled lymphocytes in man. (INIS-mf – 4010) 367616
General anaesthesia for high-dose total body irradiation. 367542
Kinetics of indium-111 labelled lymphocytes in normal subjects and patients with Hodgkin's disease. 349786
Goldman, M.
Estimate of early mortality and morbidity following acute inhalation of plutonium. 379057
Goldman, S.C.
Scintillation camera with improved light diffusion. 358378
Goldman, V.V.
The anomalous far infrared absorption spectrum of solid paradeuterium in the orientationally order state. 355999
Lattice dynamics of quantum crystals via monte carlo techniques. (INIS-mf – 4267) 377019
Goldmann, A.
Photoelectron spectra of the noble metals. 353401
Goldobina, V.A.
Non-filtration method of processing uranium ores. 365105
Goldowsky, M.
Artificial heart thermal converter component research and development. 379392
Goldreich, P.
Revenge of tiny Miranda. 356241
Solar oscillations. 364327
Goldring, G.
Magnetic hyperfine rotation of a gamma ray angular distribution due to target tilting. (WIS-PH – 76/59) 363896
A study of the break-up of fast OH^- ions passing through. (WIS-PH – 77/45) 364622
Study of the breakup of fast OH^- ions passing carbon foils and nitrogen gas. 363885
Goldschmidt-Clermont, Y.
Inclusive V^0 production in anti pp interactions at 12 GeV/c. 353939
Goldschmidt, B.
Historical survey of nonproliferation policies. 374494
Non-proliferation and the control of atomic energy. 371297
Goldschvartz, J.M.
Lambda-tight ruby valve. 360603
Non-dissipative liquid helium level detector. 360638
Simple demountable device to fix lambda-tight in rings. 360624
Simultaneous application of superconducting and superfluidity. A servo valve for liquid helium II: the cocatron. 349989
Very high cooling power adsorption cryostats for temperatures below 0.7 K. 360623
Goldsmith, G.H. Jr.
Plasma thromboplastin antecedent (PTA, factor XI): a specific and sensitive radioimmunoassay. 362789
Goldsmith, H.J.
Isotope heated deferred action thermal batteries. (US patent document 4,054,724/A/) 373940
Isotope heated thermal batteries. (UK patent document 1482737/A/) 355096
Goldsmith, J.M.
Filter material charging apparatus for filter assembly for radioactive contaminants. (US patent document 4,049,405/A/) 373886
Method and composition for removing iodine from gases. 362332
Goldsmith, W.A.
Management and control of radioactive waste from uranium milling operations in the United States of America. 368358
Goldstein, B.
Dissociation of MgO films under heat and electron bombardment and its effects on secondary emission. (INIS-mf – 4127) 363999
Goldstein, H.
Neutron slowing down and transport in a medium of constant cross section. I. Spatial moments. 366902
A survey of cross-section sensitivity analysis as applied to radiation shielding. 366904
Goldstein, L.
Theory of magnetic cooling of a class of model paramagnets. 350729
Goldstein, M.
A correlated sampling technique for generating importance function for Monte Carlo shielding calculations. (INIS-mf – 4052) 368011
Photochemistry in nuclear fuel reprocessing. 351692
Goldstein, M.K.
Waste management and proliferation: an assessment of technologies and policies relevant to nuclear power. Final report, June 1975 – March 1977. (BNL – 50694) 366069
Goldstein, P.
The Vlasov equation for systems with velocity dependent interactions. 376910
Goldstein, R.B.
Viking relativity experiment. 366755
Goldstein, S.
CEASEMT system of finite element computer programs – use for inelastic analysis in liquid metal cooled reactor components.

(IWGFR – 11) 355225
Drop test of a hundred-tonne packaging for the shipment of irradiated fuel – Deformation calculated by a computer code and experimental verification. 350015
Goldstein, S.A.
Sandia Laboratories: particle beam fusion research. 358944
Goldstein, W.
The negative-ion test injector of the Munich MP tandem and the HICONEX 834 sputter source. 357867
Goldston, R.J.
Fast ion diagnostic experiment on ATC: radially resolved measurements of q, Z/sub eff/, T/sub ill/ and T/sub i/ . 371870
Goldstone
Evaporation residues from the (^{7}Li,α) reaction on ^{197}Au and ^{232}Th. (BNL-NCS – 22500) 356727
Simulation of (n,p) cross sections using charged particle reactions. (BNL-NCS – 22500) 356726
Goldthwait, D.A.
Repair of DNA treated with γ-irradiation and chemical carcinogens. Progress report, February 1, 1976 – February 28, 1977. (COO/2725 – 2) 360239
Goldwasser, E.
Studies of erythroid inductive microenvironment in vitro. 370375
Goldwater, B.
Demonstration of a free piston Stirling engine driven linear alternator, phase I report. (COO/2764 – 1) 370693
Goldwire, H.C. Jr
Solving the strong-shock algorithm for explosive yield and spatial origin. (LA – 6786) 363117
Goldwire, H.C. Jr.
Interference parameters in γ-ray optics. 358876
Goldzahl, L.
^{3}He production in ^{4}He fragmentation on protons at 6.85 GeV/c. 354154
Angular distribution measurement of the reaction αp→^{3}He d at 3.98 GeV/c. 354147
Gole, C.V.
Sediment transport in rivers, estuaries and harbours. 370259
Gole, J.L.
Luminescence process, refractory stabilities, and new novel electronic states: scanning chemical reactions and novel products for laser induced isotope separation. Progress report, December 1, 1975 – July 15, 1976. (COO – 2569-3) 362181
Golebiowska, D.
Determination of the characteristics and transformations in a mull medium of a humic model derived from auto-oxidation of the catechol-glycine system and selectively labelled with carbon-14. 357656
Golecki, I.
The surface of ice near 0° studied by 100 keV proton channeling. 355985
Golenetskij, S.P.
On estimate of possibilities of fluorescence X-ray radiometric method of element analysis by means of selective X-ray radiometric logging program. 378113
Golenetskij, S.V.
Isotropic metagalactic background and galactic gamma radiation in the energy range from 0.03 to 4.1 MeV from "Kosmos-461" observations. 364378
Golenishchev-Kutuzov, V.A.
Double magnetoacoustic resonances in crystals. 374715
Spectroscopy of admixture centers of iron in crystals of lithium niobates. (INIS-mf – 3955) 378227
Golenishchev, I.A.
Automatic radiograph decoding system and technique. 349949
Golenkov, V.A.
Determination of power parameters of the drawing process in the ultrasonic field. 357231
Golhirsch, I.
Renormalization group treatment of quantum Heisenberg model. (WIS-Ph – 77/17) 366267
Golightly, F.A.
Influence of yttrium additions on the oxide scale adhesion to an iron – chromium – aluminum alloy. 362296
Golik, L.L.
Effect of anion substitution on "red shift" of absorption edge of CdCrsub(2)Sesub(4-x)Ssub(x) single crystals. 348808
Spectra of photoconductivity of Ga doped $CdCr_2Se_4$ monocrystals. 377192
Golikov, A.I.
Biological research plant using isotopes. (Soviet patent document 196184/A/) 376182
Golikov, V.A.
Character of spatial distribution of precipitates in a stress aged nickel-beryllium alloy. 378748
Golikov, V.M.
Diffusion of carbon and chromium in iron affected by ultrasonic waves. 375858
Golikov, V.P.
Infrared and ultraviolet spectroscopic studies of low-temperature radiolysis of ethylene – styrene copolymers. 369795
Investigation of free-radical processes in low temperature radiolysis of copolymers of ethylene with styrene. 357164
On mechanism of protective action of styrene links in gamma-irradiated copolymers of ethylene with styrene. 349356
Golikov, V.V.
Gaseous and frozen-up converters as ultracold neutron sources. (INIS-mf – 3895) 354001
Mechanical and corrosion properties of titanium-molybdenum and titanium-tungsten alloys obtained from titanium foam alloyed in the process of reduction. (INIS-mf – 3839) 365083
Golikova, O.A.
Electric conductivity of amorphous boron in a strong electric field. 361484
On conduction mechanisms in semiconductors of defective structures. 348786
Solid solutions in systems of $CdSnP_2$-$CdSnAs_2$ and $CdSnP_2$-$CdGeP_2$. 378274
Golikova, O.P.
Impairment of the DNA synthesis in roots of γ-irradiated seedlings, and the restorative processes. 362649
Golin, M.
Surface transparent potentials: forward angle transfer and backward angle elastic scattering in heavy-ion collisions. (BNL – 23461) 377859
Golin, Yu.L.
Connection between chemical and electrochemical activities of skeletal nickel catalysts. 369625
Golinski, M.
Some predictions on the disposal of radioactive wastes from the first Polish atomic station. 355650
Goll, W.
Quenching of technical superconductors by heat and magnetic field pulses. 376320
Golle, G.
Experimental determination of thermal neutrons by gold activation probes. (TU-Inf – 05-42-76) 366038
Goller, K.R.
Nuclear power status and the application of operating experience. 358132
Golmayo, D.
Structure of triode sputtered tantalum films on glass substrates. 369916
Golner, G.R.
Critical and tricritical behavior in the hierarchical model. 358859
Golo, V.L.
Topology of gauge fields with many vacuums. 361268
Golob, J.
Technique for measuring optical fiber transmission using the time dispersion of Cerenkov radiation. 352429
Golob, J.E.
Transient radiation effects in low loss optical waveguides. (LA-UR – 77-1564) 365235
Goloburdo, K.P.
Interaction between sodium borohydrides and tin(4) thiosalt in aqueous media. 349220
Golokhvastov, A.I.
On cross-sections of interaction of relativistic alpha-particles with nuclei. (JINR-R – 1-10592) 375151
Starting system for a 2-meter streamer spark chamber in a 17 GeV/sec α-particle beam. (JINR – 13-9030) 358334
Golomb, H.M.
Prognostic classification of Hodgkin disease in pathologic stage III, based on anatomic considerations. 352047
Goloshchapova, Zh.A.
Reaction of endocrine glands under the effect of ^{90}Sr continuously administered into the organism. 370398
Goloskokov, S.V.
On charge-exchange reaction in meson-nucleon scattering at large angles. (JINR-R – 2-10556) 375028
Power-law automodel asymptotics in nucleon-nucleon scattering at large angles. 349063
Golosov, N.S.
Cluster variation method in the atomic ordering theory. 373195
Golosov, O.A.
Preirradiation effect on the oxidation of the Zr+2.5% Nb alloy. 375948
Golosovskij, I.V.
Magnetic ordering in ferroelectric Co-I boracite. 350769
Golotin, A.E.
Dislocation structure effect on low-temperature creep during dynamic relief of austenitic steel, copper and aluminium. 378693
Golovachev, M.G.
Preirradiation effect on the oxidation of the Zr+2.5% Nb alloy. 375948
Golovachik, V.T.
Doses of high energy 1GeV – 5TeV particles in tissue-equivalent phantoms. (IFVE-ORZ – 74-58) 349918
Sensitivity of a boron counter in a moderator to high energy hadrons. (INIS-mf – 3846) 350286
Golovanenko, S.A.
Main features of production technology of stainless steel without nickel and low nickel steels. 375811
Thermodynamic analysis of intergranular corrosion of austenite steels. 349366
Golovanev, E.A.
On the temperature of superconducting transition in indium-tin alloy films. 373223
Golovanivskij, K.S.
Low pressure discharge at ECR in the magnetic bottle. (INIS-mf – 3963) 371820
Plasma reflection from a magnetic wall with a local time modulation magnetic field. 350925
Golovanov, I.A.
Scorpius X-1 – observations from the "Salyut-4" station in January, 1975. 364386
Golovanov, L.B.
Device for determination of mechanical properties of foils in a wide temperature range. (JINR – 8-9175) 357906

Golovanov, V.I.
Spectrophotometric determination of uranium in seawater and synthetic sorbents of different type. 356947
Golovanov, V.V.
Pulse photoconductivity of γ-irradiated propanol at 77 deg K. 362267
Golovanova, A.I.
Interaction between niobium pentachloride and lithium hydridoaluminate in diethyl ether. 351513
Golovashkin, A.I.
Quantum interference on Nb and Nb_3Sn superconducting bride-type contacts. 377685
Golovato, S.N.
Plasma heating by Alfven waves in the Proto-Cleo stellarator. (INIS-mf – 3963) 371871
Golovatskaya, I.V.
Features of the determination of rock porosity from the neutron logging data at final exploration of carbonate deposits in sections of cased boreholes of old stock reserve. 373401
Golovatyuk, V.M.
A low pressure proportional chamber with a high space resolution. 355531
1,5x1 m^2 drift chamber performance. 371101
Golovchenko, I.A.
Energy loss of 2-15 GeV/c particles in Si and Ge single crystals with a comparison to existing theory. (INIS-mf – 3996) 364005
Golovchenko, J.A.
Channeling of protons, pions and deuterons in the GeV region. 353418
Channelling effects for 15 GeV/c negative pions. 377798
Golovin, A.E.
Technique for neutron beam intensity modulation. (Soviet patent document 444498/A/) 375080
Golovin, I.N.
Magnetic field configuration in a tokamak with a poloidal divertor. (INIS-mf – 3954) 361510
Golovin, V.P.
Effect of edges displacement on the strength of welded joints of thin-walled strong fough steel. 359919
Golovin, V.Y.
Evaluation of reservoir properties and oil and gas content in carbonate deposits from exploitation-geophysical data. 365288
Golovina, A.P.
Methyl-bis-(8-oxy-2-quinolyl)-amine as luminescent reagent for determination of elements of gadolinium group. (INIS-mf – 4191) 375273
Golovistikov, I.N.
Allogenic inhibition of the stem hemopoietic cells in the bone marrow and embryonic liver in adult mice. 357573
Golovkin, A.M.
Methods for sorting out the defects according to size in automated ultrasonic testing of large-diameter thin-walled tubes. 373140
Golovkin, S.V.
J/psi particle production in π-N interactions at 27 and 40 GeV/c. 369364
Polarized muon beam with 'variable' helicity. (IFVE-OP-PEF – 76-19) 376367
Golovkin, V.S.
High-temperature chamber for polycrystal studies with neutron radiography. 350358
Golovnin, I.S.
Experimental results with carbide fuel rods in the BOR-60 reactor. (KFK-tr – 536) 355481
In-reactor measurements of the uranium dioxide Young modulus. 349582
Investigation of the performance of uranium-plutonium mixed oxide fuel pins for the reactor BN-600. 355463
Model of radiation creep of ceramic materials fuel. 378806
Plutonium fuel and fuel elements for power reactors. 368048
Golovnya, V.Ya.
Application of the statistical model for analysis of (n, α) reaction cross-sections on ^{54}, ^{56}, ^{57}, ^{58}Fe and ^{58}, ^{60}, ^{62}Ni nuclei excited by fast neutrons. (INIS-mf – 3897) 356590
Differential and integral cross-sections of (n, α) reactions on sup(54,56,57,58)Fe and sup(58,60,62)Ni nuclei at neutron energy 14.7 MeV. (INIS-mf – 3897) 356747
Differential cross section mesurement of elastically scattered 8,0 and 9,0 MeV protons by some isobars and isotopes of mean atomic weight. (KFTI – 75-15) 362108
Study on the (n,α) reaction on iron and nickel isotopes at neutron energies of 14,7 MeV. (KFTI – 75-15) 359474
Golovyashkina, L.V.
Experimental and calculated characteristics of electron inelastic scattering. 364623
Golub, A.M.
Binary molybdates of aluminium, gallium, indium, chromium, iron and bismuth with monovalent silver and thallium. 351541
Copper (2) metaniobate complexes. 359607
Hydrothermal synthesis of complicated aluminium ortho-phosphates. 378275
Niobates and tantalates of trivalent elements. 351576
Golub, R.
Experiment on the efficient polarization of ultracold neutrons. 379838
Golubchikova, I.G.
Water regime of WWER type reactors with boric acid control. 368070
Golubev, A.M.
X-ray electron study of cerium, praseodymium, thorium and uranium (4) heteropolytungstates. 378307
Golubev, L.I.
The application of direct-charge detectors for power monitoring of PWR reactors. 379583
Gamma spectrometric study of WWER type spent fuel assemblies. 368140
Increasing the efficiency of the systems for pressure reduction in the WWER type reactor containment during a loss-of-coolant accident. 367756
Nuclear fuel utilization in the Novovoronezh nuclear power plant. 368139
Power units with WWER-440 type reactors. 368152
Some improvements of the core and the fuel cycle of WWER type reactors. 368153
Some technical aspects of accounting for and control of nuclear material at nuclear fuel cycle facilities in the USSR. 371289
Ten years' operation experience of the Novovoronezh nuclear power plant. 368141
Golubev, V.A.
Mechanism of oxidation-reduction reactions of oxopiperidinium salts and piperidinoxyl radicals with iodides and iodine. 375561
Golubev, V.I.
Investigating cavitation and cavitation-fatigue strength of alloys and metals at high-frequency loading. (INIS-mf – 3914) 349367
Methods for studying the cavitation-fatique strength of metals under ultrasonic frequency of loading in surfactants and at elevated pressure. (INIS-mf – 3914) 350100
Golubeva, I.V.
Niobium (5) malate complexes. 369631
Golubeva, R.V.
Determination of the molecular weight of single-stranded DNA as a component of the deoxyribonucleoproteid complexes both irradiated and intact. 352003
Effect of transcription and translation inhibitors on reparation and degradation of DNA in irradiated thymocytes. 351993
Golubiew, G.
Nuclear technics wares, manufactured in USSR. (INIS-mf – 4015) 373925
Golubinskaya, L.M.
Nuclear quadrupole resonance of hetero-organic compounds of group 3 elements. 349236
Golubkov, A.V.
Mechanical properties of samarium monosulfide. 349536
Golubkov, G.V.
Vibrational excitation of molecules under resonant electron scattering. 353254, 377020
Golubkov, Y.A.
Longitudinal polarization measurements on direct muons produced in proton-nucleus collisions. 353925
Golubova, A.A.
Degrees of freedom accounting in neutron width distribution in statistical theory of nuclear reactions. 351285
Using the statistical theory for prediction of cross-sections of neutron inelastic scattering by nuclei. (INIS-mf – 3897) 356618
Golubovskaya, M.P.
Multiplicity of neodymium optical centres in quartz glasses. 378201
Golubovskaya, O.G.
Proton magnetic resonance spectra of beryllium nitrates solutions and state of Be^2 cations. 378393
Golubovskij, E.P.
Stability of titanium alloys under conditions of intensive ultrasonic cavitation. (INIS-mf – 3914) 349371
Golubovskij, E.R.
Investigating the changes in surface layers of VTZ-1 alloy under cavitation. (INIS-mf – 3914) 349544
Golubtsova, V.M.
Stimulation of germination of conidium Aspergillus niger, a citric acid producer, under the action of mutagenic factors. 362650
Golushko, V.V.
Detection of liquid metal coolant boiling-up. 376450
Fission fragments spectrometry using a pulse current regime in an ionization chamber. (NIIAR-P – 254) 350330
Golutvin, I.A.
Delay time units in the CAMAC standard. (JINR – 9-9041) 350055
Wide-band reflex optical length for diagnostics of an electron beam accoding to the synchrotron radiation. (JINR-R – 9-9281) 355168
Golutvina, I.G.
On polymerization of plastic scintillator blocks of large dimensions. 379887
Golutvina, M.M.
Effect of some substances on absorption of radioactive strontium by bone crystals. I. 349780
Effect of some substances on the absorption of radioactive strontium by bone cystals. 2. 367570
Golyand, L.N.
Device for nuclear power reactor control. (Soviet patent document 473220/A/) 355349
Golyanov, V.M.
Observation of superconducting transition temperature oscillations in metal – nonmetal film systems. 351780
Oscillations of the critical temperature and resistance in lamellar thin-film vanadium-carbon structure. 369249
Golyshkin, V.I.
Gamma rays emitted in the sup(90,92,94,96)Zr(nγ)sup(91,93,95,97)Zr reactions with thermal neutrons. 375158
Gomaa, M.A.
Neutron dosimetric measurements using mica and pyrex. 363570
Reactor neutron detection using activation and fission fragment track detectors. 363569

Goman'kov, V.I.
Anomaly of neutron pre-critical scattering and depolarization effect of ferromagnetic matrix in antiferro-ferromagnetic transition. 374751
Neutron diffraction investigation of the atomic magnetic structure of iron-nickel invars. 368790
Gomay, J.
Outgassing rates before, during and after bake-out for various vacuum and first wall candidate materials of a large tokamak device. 369010
Gomberoff, L.
Electromagnetic effects on the electrostatic ion-cyclotron instability. 368949
Electromagnetic ion-cyclotron instability vs. electrostatic ion-cyclotron instability in mixed (warm-cold)magnetospheric-like plasmas. 368928
Ions and electrons thermal effects on the fast-slow mode conversion process in a three components plasma. (EUR-CEA-FC – 905) 353546
Gombosi, T.
Analysis of the complex solar particle event on April 29-30, 1973. 366700
Correlation of propagation characteristics of solar cosmic rays detected on board the spatially separated space probes Mars-7 and Prognoz-3. (KFKI – 77-38) 356242
Fluctuations of approximatelly 10^{14} eV cosmic rays. (KFKI – 77-51) 356224
Study of coronal and interplanetary propagation of solar particles following the E45 deg solar flare on July 29, 1973. (KFKI – 77-39) 356243
Gomel'skij, L.G.
Studying and rating of building materials radioactivity. (INIS-mf – 3787) 352314
Gomenyuk, A.F.
On the mechanism of appearance of yellow photoluminescence in zinc telluride. 374678
Gomenyuk, A.S.
Laser opticoacoustic method for measurement of relative content of isotopes in molecules. 349164
Gomer, R.
Absolute coverages and sticking coefficients: CO and O_2 on the tungsten (110) plane. 370071
The adsorption of CO on the (110) plane of tungsten; LEED, XPS, and Auger measurements. 354565
Applications of field emission to chemisorption. 378276
Isotope effects in electron impact desorption of CO and O_2 adsorbed on the (110) plane of tungsten. 353459
Gomes, A.A.
Coupled charge adnd spin fields in itinerant-electron paramagnets. (CBPF – A0013/77) 363783
Ferromagnetic instabilities in disorder metallic systems. 364067
Ferromagnetic instabilities in transition disorder metallic systems. 364068
Phase transition in the non-degenerate Hubbard Hamiltonian. (PUC-TN – 25/76) 350491
Phase transitions in the Hubbard Hamiltonian. (CBPF – A0018/77) 363759
Static magnetic response of pure coupling metallical systems. 363984
Gomes, A.S.
Myocardial imaging with ^{123}I-hexadecenoic acid. 362787
Gomes, A.V.
Pressure transducers. (IEA-TI – 40) 355614
Gomes, L.C.
Excited states of ^{90}Zr detected in the reaction ^{91}Zr(d,t)^{90}Zr. 354195
Relative Q-values for reactions (d,t) in Zr stable isotopes. 354194
Testing of the energy stability and reproducibility of the ion beam produced by the 'tandem' accelerator of USP (University of Sao Paulo, Brazil). 354144
Gomes, P.R.S.
Fano factor in semiconductor materials. 350730
Gomes, R.A.
Perfecting of a mathematical model for the survival curves of irradiated cells. 352000
Gomes, R.P.
Study of the efficiency of AgCl, In_2O_3, Ga_2O_3, NaF, LiF and SrF_2 as spectrographic carriers in the quantitative analysis of eighteen microcompound elements in uranium. (IEA – 467) 364869
Gomes, V.B.
Evaluation of P availability from Fe and Al labelled (^{32}P) phosphates. (CENA-BC – 035) 354642
Gomez del Campo, J.
Electron capture to K vacancies in chlorine ions (approximately 1.5MeV/amu); relation to emergent charge states. 358735
Measurements of the fusion of ^{12}C + ^{14} N and the liquid-drop limit for ^{26}Al. 356896
Gomez, C.
Radiation-induced liver damage. 379027
Gomez, J.M.G.
Configuration mixing and the Coulomb energy anomaly. 372656
Influence of 2p-2h excitations in the ^{41}Sc-^{41}Ca Coulomb energy shift. 375111
Goncalves, A.
Muon capture in ^{16}O. (LYCEN – 7702(pt.1)) 369478
Goncalves, O.D.
Measurement of delayed neutrons in the photofission of ^{238}U e ^{232}Th. 354240
Gonchar, A.I.
Spectra and cross-sections of gamma ray production in inelastic interaction of neutrons with C, O, Al, Ti, Fe, Ni, Pb and Bi nuclei. (FEI – 584) 364772
Gonchar, V.G.
Specific features of elastic scattering of alpha particles on sup(45)Sc and sup(51)V. 377997
Gonchar, V.Yu.
Self-consistent calculation of neutron and proton densities of nuclei. 375176
Goncharenko, B.A.
Anodic behaviour of niobium-nickel and tantalum-nickel alloys in acidic solutions. 369714
Goncharenko, E.N.
Effect of radioprotective biogenic amines on peroxide oxidation of lipids in rat small intestine mucosa microsomes. 365399
The effect of radioprotectors and ionizing radiation on the cAMP system. 360228
On the action of radioprotective agents on the endogenous serotonin content and radiosensitivity of isolated Ehrlich ascites tumour and E. coli B. cells. 370316
On the role of endogeneous substances in creating enhanced radioresistance background. 370345
On the role of endogenous substances in creating enhanced radioresistance background. 378989
Goncharenko, I.A.
Plastic deformation effect on the mechanical properties and structure of a quenched low-carbon steel. 369995
Goncharenko, T.V.
Production of titanium alloys with uniform distribution of heat resisting metals. 378573
Goncharov, A.V.
Crystal and molecular structure of $C_{21}H_{23}N_2OI$. 369657
Goncharov, I.G.
A commutation block for data output to a digital printer. (KFTI – 75-15) 361093
Data input into AI-4096-3M analyzer from the FS-1501 device. (KFTI – 75-15) 361092
Goncharov, I.N.
Behaviour of multisection superconducting solenoids. (JINR – 13-8963) 349988
Study on rhosub(f)(H,T) in type-2 superconductors. (JINR – 8-8015) 349047
Goncharov, V.I.
Detection unit of two-channel flaw detector. (Soviet patent document 428326/A/) 370697
On developing automated control systems for radiometric flaw detection. 357886
Goncharov, V.V.
Experimental water-water reactor. (Soviet patent document 438353/A/) 365998
Goncharova, E.V.
Electric properties of SmS metallic modification. 350731
Goncharskij, A.V.
Reconstruction of local line profiles from observed ones in the Ap-star spectrum. 369085
Goncharuk, L.V.
Thermodynamic properties of chromium-tellurium alloys. 365151
Gondhalekar, A.
High-density discharges in the Alcator tokamak. 368947
Gonfiantini, R.
Standards for stable isotope measurements in natural compounds. 373932
Gongadze, A.D.
Phase transition of superfluid ^{3}HeB to inhomogeneous state induced by an electric field. 375000
Gonidec, A.
A measurement of the polarization parameter in large angle proton-proton elastic scattering at 7.9 GeV/c. 356484
Gonis, A.
Multishell method: Exact treatment of a cluster in an effective medium. 358877
Gono, Y.
High-spin states and isomers in light transitional nuclei around N = 80. (ZfK – 336) 369495
High-spin states in heavy transitional nuclei around Hg. (ZfK – 336) 369492
Particle-hole symmetry observed in the angular distributions of γ-rays in $^{189, 191, 193}$Au. 354196
Gonsalves, R.J.
Quantization of soliton scattering solutions in model field theories. 372424
Semiclassical approach to lattice theories. 369286
Gonsior, B.
The (p, n) reaction between analog states in isotopes of Sn and Sb. 359453
A quadrupole-focusing time-of-flight mass spectrometer. 366062
Gontar', V.G.
Statistic analysis of equilibriums in the system of mixed complexes. 369626
Gonthier, P.
Strongly damped collisions of 197 MeV ^{12}C projectiles. (ORO – 3924-29) 364767
Gonusek, M.
Excited states of ^{163}Er, populated in the ^{163}Tm decay. 377950
Gonyaev, V.S.
Velocity distribution of atoms in a quasiresonance electromagnetic field. 350618
Gonyaev, V.V.
Free fall of zero spin quantum particle. 348588
Gonyea, L.M.
Purification and iodination of antibody for use in an

immunoradiometric assay for serum ferritin. 360371
Gonzales Basurto, J.
Studies of band structure, excitonic processes and trap distributions in molecular crystals. (INIS-mf – 4127) 364072
Gonzales, S.
Comments: geologic field trip, Chatsworth, Georgia talc district. (Y/OWI/SUB – 4310) 373400
Supplemental field and literature investigation of the upper cretaceous Austin Group (chalk) of Texas with regard to its potential for radioactive-waste isolation. (Y/OWI/SUB – 4310/4) 380048
Gonzalez-Santalo, J.M.
The effect of non-uniform axial heat flux on critical power. 376518
Gonzalez, M.
The diagnosis of myocardial infarction and ischaemia using sup(99m)Tc and ^{201}Tl. (INIS-mf – 4010) 362805
Gonzalez, W.R.
Human factors in the nuclear control room. 365837
Gonzatko, Ya.
Study on gamma rays from the ^{173}Ybsub (n,γ) ^{174}Yb reaction with resonance neutrons. (INIS-mf – 3897) 354131
Good-Zamin, C.J.
On the problem of whether excited states amongst sputtered particles are of thermal origin. 374716
Good, W.M.
Neutron resonance parameters of ^{90}Zr below 300 keV. 356841
Neutron resonance parameters of ^{96}Zr below 100 keV. (AAEC/E – 415) 356840
Preliminary considerations in the use of large planar intrinsic germanium detectors for detection of internally deposited actinides. (ORNL – 5171) 367552
Goodale, J.W.
Separation of rate processes for isotopic exchange between hydrogen and liquid water in packed columns 10. 367858
Goode, P.R.
Effective interactions: Qualitative discussion of Hartree-Fock effects. 359403
Goodfriend, Th.R.
Aspects of Bradykinin radioimmunoassay. 370489
Goodhead, D.T.
Fast neutron therapy beam produced by 26 MeV protons on beryllium. 376243
High energy fast neutrons from the Harwell variable energy cyclotron. II. Biologic studies in mammalian systems. 379007
Goodin, F.L.
Effective interactions: Qualitative discussion of Hartree-Fock effects. 359403
Goodings, D.A.
Librational motion in the α phase of solid nitrogen. II. Neutron scattering. 355986
Goodjohn, A.J.
Gas turbine HTGR: a total energy utilization option. (GA-A – 14484) 352683
Goodkind, J.M.
Measurement of fountain pressure and other thermal properties in superfluid ^{3}He. 351131
Goodman, A.L.
Band-crossing anomalies in the cranking model. 372644
The hsub(9/2) 'intruder' state in odd mass Au and Tl isotopes. 354066
The mass dependence of the spin-orbit splitting in the A = 176-208 mass region. 377883
Goodman, C.D.
Scattering chamber for the Holifield Heavy Ion Research Facility. (ORNL/TM – 6028) 365742
Goodman, D.W.
Decomposition of H_2CO and CH_3OH on Ru (110) and Ni (100). 370079
Interaction of methanol with ruthenium. 378277
Goodman, E.I.
Manpower requirements for nuclear power programs and associated training programs. 352550
Performance analysis of nuclear power plants from operating experience data. 358128
Goodman, F.O.
Theory of scattering of He by a W(112) surface. 378628
Goodman, F.R.
Distribution and binding of ^{147}Pm in smooth muscle. 362757
Goodman, J.M.
Confirmation of brain death at bedside by isotope angiography. 357638
Goodman, J.W.
Basic study on the role of thymus in hemopoietic differentiation. (CONF-770952 – 1) 362667
Cooperation of nonsyngeneic tolerant lymphocytes: genetic restriction. 362672
Goodman, L.
Assignment of aromatic aldehyde spectra from deuterium isotope shifts. 372969
Goodman, L.S.
Complete resolution of hyperfine structure in the close doublet lambda5930.6 of ^{139}La by laser-atomic-beam spectroscopy. 350591
Goodman, M.
Evaluation of gastro-pulmonary aspiration by a radioactive technique: concise communication. 373685
Goodman, R.K.
Streaming-plasma measurements in the Baseball II-T mirror experiment. (UCRL – 52279) 356104
Goodpasture, D.W.
Design and analysis of multicavity prestressed concrete reactor vessels. (CONF-770807 – 32) 358250
Goodreau, J.J.
Efficacy of preoperative and postoperative bone scanning in the management of breast carcinoma. 362772
Goodrich, M.
Effects of porosity, strength and water content on attenuation of stresses generated by subsurface explosions in soils. (UCRL – 79113) 363121
Goodrich, M.F.
Final report on a calculational parameter study of soils typical of some ESSEX I cratering sites. (UCRL – 52038) 376338
Goodrieght, J.
State and local planning procedures dealing with social and economic impacts from nuclear power plants. (NUREG – 0203) 352214
Goodrum, J.W.
Strengthening by ordered precipitates in a Ni – Ni_4Mo system. 357276
Goodstein, D.L.
Attempt to produce both thick and thinned flowing superfluid films. 351122
Goodwin, B.
Environmental radioactivity at the National Nuclear Research Centre, Pelindaba 1976. (PEL – 256) 349925
Goodwin, D.A.
Biological properties of molecules labelled with metal ions using bifunctional chelates. 354840
Goodwin, G.M.
Post-test examination of a 30-MW sodium-to-sodium intermediate heat exchanger. (CONF-760503 – P2) 352747
Goodwin, K.E.
Diversion path analysis handbook. Volume I. Methodology. (TID – 22793/1) 374499
Diversion path analysis handbook. Volume II. Example. (TID – 22793/2) 374495
Goody, R.
Ultraviolet spectrometer experiment for the Voyager mission. 374884
Goolden, A.W.G.
General anaesthesia for high-dose total body irradiation. 367542
Gooray, A.M.
Binary-encounter stopping cross sections. III. Straggling and screening. 363902
Goosey, R.E.
The present and future function of base alloys of titanium, zirconium, and niobium. 349393
Goossens, M.
The effect of a poloidal magnetic field on the linear and adiabatic oscillations of a polytrope n=3. 372175
Goossens, R.J.C.
Shell-model calculations on Fe isotopes. (INIS-mf – 4267) 377884
Goossens, W.R.A.
Treatment and control of gaseous effluents from light water reactors and reprocessing plants. 358473
Gopakumar, K.
Fast neutron irradiation of aqueous solution of coumarin. 375685
Response of aqueous coumarin solution to high LET radiation from ^{10}B(n,α)^{7}Li reaction. 365066
Gopal-Krishna
A study of the bridges in the radio galaxies of 3C 132 and 3C 192 at metre and centimetre wavelengths. 356244
Gopal, E.S.R.
Ultralow temperature physics below 1 K. 372330
Gopal, G.P.
Partial-wave analysis of $K^-p \rightarrow \pi^0\Lambda(1520)$ between 1710 and 2170 MeV c.m. energy including new data between 1775 and 1960. 372507
Gopal, R.
Experience in acoustic monitoring of pressurized water reactors. 365886
Gopal, S.
Gamma ray attenuation coefficient measurements at 1115, 1173, and 1332 keV. 361924
Gopala, K.
Intermediate energy approximation of the Bethe-Heitler formula for the bremsstrahlung cross-sections. 364624
Gopalakrishnan, C.R.
Monte Carlo calculations on dose distributions from plane infinite oblique electron sources. 361925
Gopalakrishnan, S.
The application of least squares analysis for the estimation of low atmospheric concentrations of short-lived radon daughters and studies on their disequilibrium. 354718
Gopalan, K.
Cosmogenic and radiogenic noble gases in the Dhajala chondrite. 357464
Gopalaraman, C.P.
Ion clustering process of Ne^+. 368639
Gopalkrishnan, S.
RAPS fuel handling control system performance and improvements. 379718
Gopinath, D.V.
Charged particles transport in one-dimensional finite systems. 361937
Criticality calculations by source-collision iteration technique for cylindrical systems. 363389
Gamma ray build-up factors for finite media. 361931
Integral equation methods in radiation transport. 361926

Gopinathan Nair, V.
Effect of combined mutagenic treatments on sensitivity and mutation frequency in rice. 376160
Gopinathan, C.P.
Application of carbon isotope technique in fishery research in the seas around India. 349814
Gor'kov, L.P.
Vortex motion and electric conductivity of type-2 superconductors in a magnetic field. 348787
Goradia, H.
Dynamic response of a multielement HTGR core. (BNL – 23197) 363000
Goradia, Y.
Isobar formalism and one-pion-exchange partial-wave cross sections in $\pi N \rightarrow \pi\pi N$. 351135
Goranskij, V.P.
Cygnus Nova 1975. 348996
Results of optical observations of the Cygnus X-2 and Scorpius X-1 x-ray sources. 364277
Goranson, R.B.
Perspectives on risk assessment for radioactive waste management systems. 352316
Gorbach, V.G.
Transformation of austenite into martensite during cycling deformation. 349469
Gorbachev, A.N.
On the evaluation of the possibilities of field neutron activation fluorimetry in prospecting for tin fields. 354652
Gorbachev, B.I.
Aluminium-yttrium garnet phonon spectrum. 361480
Dimensions of galaxy clusters from Zwicky catalogue and their distance distribution. 361698
Lattice phonon spectrum of zirconium dioxide and solid solutions on their base. 348857
Phonon spectrum of aluminium-yttrium garnet. (INIS-mf – 3955) 377306
The phonon spectrum of NaI crystal. 348856
Gorbachev, V.M.
Cross-section of gamma-quantum production in inelastic interaction of 14 MeV neutrons with some light, intermediate and heavy nuclei. (INIS-mf – 3897) 356711
Gorbachev, V.N.
"Angara-5" thermonuclear device. (INIS-mf – 3954) 361644
Gorbachev, Yu.I.
Errors of digital registration of radioactivity logging data. 349627
The informativity enhancement of the instrumentation with radioactive radiation sources of high intensity. 349626
Gorbachevich, E.M.
Thermophysical features of aluminothermal preparation of strontium. (INIS-mf – 4187) 375567
Gorbakon', A.A.
Comparison of creep-rupture properties of α- and $\alpha+\beta$ titanium alloys below the chloride layer in the 200-380 deg C range. 349470
Gorban', I.S.
Luminescence of laminated crystals. 371564
SnI_2 optical properties. 348788
Structure of spectrum of excitons coupled with neutral boron atoms in silicon carbide. 374717
Gorban', Yu.B.
Gamma-spectrometric study in Volgogradskoe Zavolzh'e. 365282
Gorbatskij, V.G.
On the cause of diminishing of emission line widths in the postmaximum spectrum of Nova Cygni 1975. 369086
Gorbatyuk, O.V.
Estimation of a potential use of a Ge(Li)-detector for the determination of natural radioactive elements in rock samples. 349628
Gorbenko, V.G.
Measurement of asymmetry of the $\gamma d \rightarrow \pi$ deg d reaction cross section in the linearly polarized photon beam. 349092
Gorbova, S.N.
Thermodynamic analysis of systems of niobium-oxygen-chlorine, titanium-oxygen-chlorine. 369664
Gorbovitskaya, T.I.
Radical products of γ-radiolysis of barium nitrate at room temperature. 375681
Gorbulin, Yu.M.
Developments of high-current relativistic electron beams for thermonuclear investigations. (INIS-mf – 3954) 363150
Gorbunov, A.N.
Asymmetry in the angular distributions of spectator-nucleons. (JINR-E – 1-9814) 377778
Gorbunov, L.M.
Stimulated raman scattering and penetration of an electromagnetic wave into an inhomogeneous plasma. 368950
Gorbunov, N.S.
Diffusion titanium coatings on steel and cast iron. (INIS-mf – 4046) 369884
Gorbunov, P.A.
Λ and anti Λ production in K^+p interactions at 32 GeV/c. 372512
Gorbunov, V.I.
On developing automated control systems for radiometric flaw detection. 357886
Gorbunova, I.N.
Chromosome aberrations in cells of the pea seedling meristem caused by pulsed and protracted irradiation. 378996
Gorbunova, Yu.E.
Structure of rhombic modification of zirconium polyphosphate $Zr(PO_3)_4$-2. 357017
Gorchakov, E.V.
On anomalous anisotropy of solar cosmic ray flux in September 1973. 377661
Gorchakov, M.K.
Approximate simulation technique for thermal and hydraulic parameters of a reactor core. (FEI – 597) 358038
Cellular body model application to thermohydraulic calculations of reactors and heat exchangers. 370792
Numerical calculation of dumping of hydraulic nonuniforms in rod assemblies. (FEI – 646) 350110
Gorchakov, O.E.
Estimate of accuracy of π^0-meson lifetime measurement over its atomic decay. (JINR-R – 1-9181) 356527
Gorchakov, V.V.
Analysis of new data on the sup(40)Ca(e,e'p) reaction in the multi-particle approach frameworks. 377885
Gorchev, V.F.
Luminescence of laminated crystals. 371564
SnI_2 optical properties. 348788
Gorchinskaya, O.Yu.
Correct Green function of relativistic quantum mechanical equations in a plane wave field. 374549
Gorczszynski, R.M.
Differentiation of functionally active mouse T lymphocytes from functionally inactive bone marrow precursors. 357575
Gorczyca, B.
Quark model predictions for electroproduction of $3/2^+$ isobars. 353809
Gorczynski, R.M.
Differentiation of functionally active mouse T lymphocytes from functionally inactive bone marrow precursors. 357576
Gordeev, A.V.
Developments of high-current relativistic electron beams for thermonuclear investigations. (INIS-mf – 3954) 363150
Transport and focusing of high-current relativistic electron beams onto a target. (IAEA – 200) 353515
Gordeev, G.P.
Depolarization anisotropy of neutrons in PdFe diluted alloys near the phase transition. 350732
On similarity of nuclear and chemical periodicities. 369627
Gordeev, I.V.
Boundary conditions or existance for oxo- and sulfospinels. 359629
Gordeev, S.Ya.
Kinetics of reactions between solid substances in powder mixtures. 369628
Gordeev, V.A.
π-meson chanel of the LIYF AS USSR synchrocyclotron. 360721
Gordeev, Yu. V.
Hydraulic resistance and heat transfer in systems for superconducting magnets cooling. (INIS-mf – 3954) 361523
Gordeev, Yu.P.
Choosing the optimum temperature for chromium-nickel steel deformation to achieve high-strength state. 378629
Gordeev, Yu.S.
Fluorescence yield decrease for inner vacancies produced in close atomic collisions. 358694, 376958
KK-LLL three-electron Auger transitions. 376957
Two-electron-one-photon transitions in ions with two $L_{2,3}$-vacancies. 376956
Gordeev, Yu.V.
Hydraulic resistences in helium forced two-phase flow in channels. 379427
Gordeeva, M.N.
Extraction-complexonometric determination of vanadium(4) in the presence of vanadium(3). 349165
Gordeeva, T.F.
OSK-3 point display for the 1010VM mini computer. (ITEF – 63) 350344
Gordejchik, N.I.
Problem of cosmogonic isotope production and cosmic ray intensity of the remote past. 356245
Gorden, R. Jr.
On producing usual two-dimensional images of ion beams. 368776
Gorden, R.W.
Modification of membrane diffusion chambers for deep water studies. (DP – 1455) 367398
Gordienko, V.P.
Action of fast electrons on crystallizable polymers in heterogeneous systems. 369785
Investigation of radiation cross-linking of polyethylene in heterogeneous systems. 354424
Thermal conductivity of irradiated polyethylene filled by fibre glass. 349363
Gordin, V.I.
Device for the measurement of instantaneous value of magnetic field strength of synchrotron electromagnets. (EFI – 162(76)) 350052
Gordine, J.
Weldability of a Ni – Cu – Cb line-pipe steel. 362408
Gordon-Smith, E.C.
General anaesthesia for high-dose total body irradiation. 367542
Gordon, A.L.
Transport and transfer rates in the waters of the continental shelf. Annual report. (COO – 2185-19) 372838
Gordon, B.E.
Nondestructive high temperature gas radiochromatography. 372861
Gordon, C.B.
Rack for nuclear fuel elements. (US patent document 4,042,828/A/) 368158

Gordon, C.W.
Parametric analysis of the spallation breeder. 352753
Gordon, D.J.
Radiation-curable mercaptoalkyl vinyl polydiorganosiloxanes, method of coating there with and coated article. (US patent document 4,052,529/A/) 373039
Gordon, E.B.
Shift of frequency of hyperline transition Δmsub(F)=0 of H atom basic state in its's chemical interaction with gase form molecules. (INIS-mf – 3915) 350619
Gordon, E.F.
The natural line shape of the giant dipole resonance. 354197
Gordon, G.E.
Non-destructive determination of trace-element concentrations. Annual progress report, September 1977. (ORO – 5173-001) 364870
Gordon, G.M.
Fuel element. (German (F.R.) patent document 2549969/A/) 352484, 352485
Nuclear fuel element. (German (F.R.) patent document 2549970/A/) 350153
Gordon, H.A.
Strange-particle cross sections from π^+p interactions at 10.3 GeV/c. 351219
Gordon, J.
Evidence for a narrow width boson of mass 2.95 GeV. 372519
Inclusive anti K^{*0} (890) production in π^-p interactions at 16 GeV/c. 356507
Observation of the reactions π^-p⟶anti pd at 10 and 16 GeV/c. 372520
Production of phi and f' in 10 GeV/c K^-p interactions. 353959
Gordon, M.A.
Comparative morphology of galactic carbon monoxide and hydrogen. 356196
Gordon, M.P.
Photochemistry and photobiology of ribonucleic acids, ribonucleoproteins, and RNA viruses. 365349
Ultraviolet inactivation of the midi variant of Qβ-RNA. Determination of quantum yield and lesions produced. 352004
Gordon, M.Y.
Changes in human bone marrow colony-forming cells following chemotherapy using an agar diffusion-chamber technique. 370346
Simultaneous assay by six methods of the effect on haemopoietic precursor cells of adriamycin, methyl CCNU, ^{60}Co γ-rays, vinblastine, and cytosine arabinoside. 373515
Gordon, N.N.
Effect of evaporation and condensation conditions on growth of epitaxial films of cadmium selenide. 351491
Gordon, P.T.
The behavior of potassium in the blast furnace deduced from isotope tracers. 367882
Gore, B.F.
Evaluation of temperature coefficients of reactivity for ^{233}U – thorium fueled HTGR lattices. Final report. (EPRI-NP – 222) 352697
Gore, D.J.
The visualisation of fissionable radionuclides in rat lung using neutron induced autoradiography. 376153
Gorelik, E.S.
Automation system of the processing of aerial gamma spectrometry surveys "Aehropoisk-2". 376008
Gorelik, S.S.
Grain size effect on electrophysical properties of 8O% Bi_2Te_3 – 20% Bi_2Se_2. (INIS-mf – 3914) 349471
Peculiarities in formation of dislocation loops in silicon following ion implantation of boron and phosphorus and subsequent annealing. 367336
Some problems of recoil-atom implantation theory. (INIS-mf – 3996) 364050
Gorelik, V.S.
Temperature dependence of Raman spectra of Basub(0.25)Srsub(0.75)Nbsub(2)Osub(6) crystal. 358898
Gorelkinskii, Yu.V.
Distribution of paramagnetic centers and implanted atoms produced in silicon by ^{235}U fission fragments. (INIS-mf – 3996) 364023
Gorelov, V.P.
Competition between prompt neutron and α emission from fission fragments. 349121
Neutron transport in a semispace with source. 375081
Gorelova, N.V.
Comparative study of radioprotective properties of serotin derivatives repeatedly applied before gamma irradiation. 379014
Gorelova, O.N.
Features of the vacuum deposited layer adhesion to glass and sitall treated with glow discharge. 349522
Goren, Y.
Influence of strong inhomogeneities and magnetic shear on microstability properties of the Tormac sheath. 364201
Gorenbyrg, L.S.
Technique for controlling the time characteristics of radioisotope relays. (Soviet patent document 446010/A/) 355615
Gorenstein, M.I.
On scaling solutions in the hydrodynamical theory of multiparticle production. 361806
Gorenstein, M.V.
Detection of anisotropy in the cosmic blackbody radiation. 366759
Goretzki, H.
Surface composition of annealed Co-Ni, and Cu-Ni alloys and composition changes caused by sputtering. 368791
Gorev, A.V.
Experience in use of photoneutron analysis of beryllium ores. 354653
Numerical study of the dependence of stationary distribution of photoneutrons on the rock parameters. 367365
Prospecting beryllium from a truck. 354643
Search berylometer "Beryll-4". 365268
X-ray radiometric technique in exploration for tin-polymetallic ores in Primorje. 376020
Gorev, V.V.
Plasma heating on the Langmuir collapse. 366546
Gorfinkel', B.I.
On peculiarities of using cathodes on tungsten-rhenium alloy base in vacuum luminescent low-voltage indicators. 349461
Gorgolewski, S.
Coronal electron irregularity variations related to solar activity cycles. 377609
Gorichev, P.A.
System of programs for processing images from large bubble chambers on the BESM-6 computer. (IFVE-PPK – 75-26) 353019
Gorin, A.Z.
Use of complex program 'TS-2' for processing geophysical exploration data using electronic computers to study productive carbonate reservoirs with compound structure of porous space. 362558
Gorin, V.A.
Defects in swaged pieces of nickel-base alloys. 351708
Slag inclusions in vacuum-melted ingots of the KhN73MBTYu nickel base alloy. 375766
Gorin, V.I.
Methods for safety assessment of the power plant units of the NORDEL group. 376483
Gorin, Yu.P.
J/psi production off Be, Cu and W by 43 GeV/c negative pions. 369344
Goringe, M.J.
The radiation-induced topotactic conversion of di-para anthracene to anthracene: an electron microscopic study. 373079
Goris, M.L.
Alternative displays in nuclear medicine. 379144
Blood flow and bone traces accumulation in a model of experimental osteomyelitis. (INIS-mf – 4010) 357610
Quantitative lung ventilation-perfusion ratios. (INIS-mf – 4010) 367696
Gorisse, M.
An acceleration evaluation of the performance of the Soviet-French wide-gap spark chamber for gamma-ray astronomy. 368266
A $1m^2$ gamma ray spark chamber telescope for the energy range 10-100 MeV. 379929
Gorkic, D.A.
Clearance of ^{131}I-ortho-iodo-hippurate in different forms of experimental hypertention. (INIS-mf – 4010) 357611
Gorkunov, Eh.S.
Control of the heat treatment quality of articles quenched by means of high frequency currents. 357229
Gorlanova, T.M.
Comparison of the effect of gamma-preirradiation of seeds on the fruitfulness of various kinds of hothouse cucumbers. 360247
Gorlov, A.D.
Discrete saturation in EPR of $Pb_5Ge_3O_{11}$:Gd^{3+}. 353425
Pulsed saturation in EPR of crystals activated by gadolinium. (INIS-mf – 3955) 378278
Gorlova, M.N.
Differential photometric determination of tungsten in chromium-base alloys. 375274
Gorman, D.J.
Experimental studies on flow-induced vibration to support steam generator design. (AECL – 5804) 360823
Gorman, J.G.
TFTR vacuum system considerations. (WFPS-TME – 021) 371920
Gorman, M.
Electronic Raman scattering from valley-orbit transitions in uniaxially stressed Ge(As). 365152
Gorman, R.R.
Radioimmunoassay for thromboxane B_2. 362770
Gormezano, C.
Recent results in the lower-hybrid heating of the Wega device. (INIS-mf – 3963) 372085
Gornov, M.G.
Characteristics of protons emitted into the backward hemisphere in pion-nucleus interactions. 369375
Gornovskaya, N.K.
Determination of stability constants of copper, cadmium, zinc, magnesium and nickel complexes with olycine by the ion exchange method. 349221
Gorobchenko, V.D.
Nuclear gamma resonance in iron sulphates of the jarosite group. (INP – 871/PS) 371547
Gorobets, B.S.
The investigation of uranium-1 and uranium-containing minerals by luminescence spectra. 360145
Gorodetskij, D.A.
Dynamical properties of ordered monoatomic silicon films on the (100) face of tungsten. 355959
Gorodetskij, V.I.
Monitoring of carbon redistribution in steel by means of ^{14}C. 349394, 349395
Gorodetsky, D.I.
Labelling of dicyclohexylcarbodiimide by tritium. 354399

Gorodetzky, Ph.
Remeasurement of the $\Delta T = 1$ γ-decay from the 16.6-16.9 MeV states in ^{8}Be. 362088
Gorodkov, Yu.V.
Solid hydrogen target. 357961
Gorodov, Yu.V.
Elastic backscattering of pions minus on protons at 25 and 38 GeV/c. 369349
Gorokhov, L.N.
Mass-spectrometric investigation into equilibria due to ion participation. 358902
Mass-spectrometric study of evaporation products of the B_2O_3-WO_3 system. Formation heat of BWO_4 (gas). 357018
Gorokhov, V.P.
The Uragan-2 experimental thermonuclear device of stellarator type. 350798
Gorokhov, Y.A.
Isotope-selective dissociation of the OsO_4 molecule by two pulses of infrared radiation at different frequencies. 359582
Gorokhov, Yu.A.
Isotope separation in high-intensity IR laser field. 362226
Gorokhovatskij, Ya.B.
Effect of metal oxide additions and pH value on condensation of formaldehyde to carbohydrates on lead catalyst. 369629
Gorokhovskij, G.A.
Adsorption factor effect on dispersive ability of polymethylmethylmethacrylate. 370085
Goroshchenko, Ya.G.
Double sulfates of titanium with rare earths of cerium group. 351487
Gorozhankin, V.M.
Response function correction for a magnetic beta spectrometer. 376618
Study of beta-spectra by means of the ST-2 ironless beta-spectrometer with a toroidal magnetic field. (JINR-R – 13-10611) 358363
Gorray, K.C.
Rapid minichromatography for purification of samples prior to radioimmunoassay. 362773
Gorse, R.A. Jr.
Hydroxyl radical reactivity with diethylhydroxylamine. 364951
Gorshkov, A.G.
Flux densities for selected radio sources in the third Cambridge and Parkes catalogs. 353681
Gorshkov, A.I.
On effect of gas-saturated layer on cracking in delayed destruction of titanium alloys as welded. 349405
The radiometric enrichment of poor uranium ores. 365115
Gorshkov, B.L.
Fission of medium mass nuclei induced by 1 GeV protons. (ZfK – 336) 364735
Technique for measurement of relative cross sections of nuclear fission. (LIYF – 171) 379943
Gorshkov, O.N.
Some problems of atomic collision physics in application to ion implantation. (INIS-mf – 3996) 364089
Gorshkov, V.G.
Electron-electron weak interaction in atoms and ions. 374616
Two-photon positron-K-electron annihilation. 355879
Gorshkov, V.K.
Low pressure measurement technique. 376697
Gorshkov, V.N.
Dynamics of a Z-pinch in n-InSb under impact ionization conditions. 356069
Gorshkov, V.V.
On chemical nature of hydrated vanadium pentoxide. 351544
Proton magnetic resonance in hydrated vanadates in alkali metals and alkaline earth metals. 351543
Gorshkova, T.A.
Determination of carbon and hydrogen in phthalocyanines. 354385
Gorshkova, T.I.
Thermodynamic properties of cesium – gallium alloys. 378279
Gorshunov, V.P.
Adsorption factor effect on dispersive ability of polymethylmethylmethacrylate. 370085
Gorshunova, V.P.
The chemical induction phenomenon in conjugated oxidation of copper, molybdenum, tungsten. 351593
Particularities of sublimation kinetics of interference coloured oxide films on molybdenum and tungsten. 351594
Gorskaya, T.G.
On the action of radioprotective agents on the endogenous serotonin content and radiosensitivity of isolated Ehrlich ascites tumour and E. coli B. cells. 370316
On the role of endogeneous substances in creating enhanced radioresistance background. 370345
On the role of endogenous substances in creating enhanced radioresistance background. 378989
Gorski, B.
Independent determination of Rh(III) and Pd(II) from their mixtures. 372862
Gorski, M.
High multiplicity π^{-}d interactions at 21 GeV/c. 356503
Gorski, N.
Independent determination of Rh(III) and Pd(II) from their mixtures. 372862
Gorskij, V.V.
Solid-phase reactions in RbJ-AgJ system. 351583
Gorskij, Ya.
The gravitational field of the homogeneous plane layer. 374873
The gravitational fields of the superdense plane desk. 377587
Gorsky, E.
Cheralite quartzides in Itiuba mountains-Bahia, Brazil. (CNEN-DexM-B – 5) 357465
Gorsky, V.A.
Cheralite quartzides in Itiuba mountains-Bahia, Brazil. (CNEN-DexM-B – 5) 357465
Gorstein, F.
Treatment of hypoplastic anemia in mice with placental transplants. 379011
Gorstein, G.I.
On the cocrystallization of isomorphic impurities from solutions. 351607
Goryachev, V.N.
Muon flux measuring system for neutrino experiments at the IHEP accelerator. 357946
Observation of muon pairs in neutrino interactions at Serpukhov 70 GeV accelerator. 361870
Goryachev, Yu.M.
Electron energy spectrum and physical properties of NbCsub(x). 377281
Goryacheva, V.N.
Investigation into reaction of yttrium ions with amino benzyliden phosphonic acid. 369712
Goryacheva, V.P.
On theoretical basis of ion exchange sorption of trace amounts of vanadium, molybdenum and boron from extraction ortho-phosphoric acid and liquid phosphoric fertilizers. 349307
Goryachkovskij, Yu.G.
Tungsten interaction with beryllium oxide. 369956
Goryaev, V.M.
Ionizing radiation effect on phase transformations in polymers. 373345
Gorynin, I.V.
Perspective constructional materials for large thermonuclear installations and directions of primary investigations. (INIS-mf – 3954) 362409
Goryukhina, T.A.
Effect of irradiation with fast electrons on the uridindiphosphateglucose mechanism of glycogen synthesis in NKly tumours, spleen and liver of mice having tumours. 370347
Goryunov, O.Yu.
(d,^{6}Li) reaction on ^{12}C nuclei by 13.2 and 12.7 MeV deuterons MeV. 359485
Goryushkin, S.I.
Device for nuclear radiation detection. (Soviet patent document 425147/A/) 379888
Gorzkowski, B.
Incorporation of ^{14}C glucose into glycogen and glucose-6-phosphate dehydrogenase activity in rat brain following carbon monoxide intoxication. 373689
Gose, G.C.
RETRAN sensitivity studies of light water reactor transients. Final report. (EPRI-NP – 454) 365526
Goshaw, A.T.
Investigation of π^{+}Ne and π^{-}Ne interactions at 10.5 GeV/c. 372541
Goshchitskij, B.N.
Production of intense monochromatic beams of long-wave neutrons from a through tangential reactor hole. 356536
Goshen, Sh.
Two dimensional plasma simulation code. (NRCN – 438) 374526
Gosling, J.T.
Noncompressive density enhancements in the solar wind. 369087
Unusual aspect of solar wind speed variations during solar cycle 20. 359088
Goso, R.P.
The radioisotope production laboratory of the Argentine National Atomic Energy Commission. 360422
Goss, W.M.
The distance of Cir X-1. 356246
New OH masers in the direction of H_2O masers. 356198
Observations of 15 southern extragalactic sources with the Fleurs synthesis telescope. 356203
Gosse, Zh.
On polarization phenomena in some nuclear reactions induced by protons in light and intermediate nuclei. 375198
Gosset, J.
Central collisions of relativistic heavy ions. 359486
Multiplicity and charged particle emission in relativistic heavy ion collisions. (LBL – 6537) 362066
New method to measure oxygen isotopic concentration ratios $^{18}O/^{16}O$ by gamma-activation analysis, especially in biological media. 375259
Gostev, V.A.
Experimental determination of cross sections of dissociative recombination of helium molecular ions with production of helium ions in different excited states. (INIS-mf – 3915) 348678
Experimental estimation of differential cross-sections of scattering in atom-atom collisions by means of Doppler broadening. (INIS-mf – 3915) 348679
Simple sourse for production of collimated beam of metastable atoms with a variable energy. (INIS-mf – 3915) 348680
Gostev, V.B.
Asymptotic method for calculation of a radial matrix element for nearthreshold energies of free electrons. 348681
Gosteva, G.P.
Behaviour of potassium hexachlorniobate when heating in various gas media. 356995
Gostishchev, V.V.
Basic benzoates and picolinates of rare earths. 375458

Goswami, A.
Vibrational theory of pion condensation. 353878
Goswami, B.N.
Magnetosonic waves in the presence of a lower hybrid turbulence and plasma heating. 372026
Goswani, S.C.
Estimation of uranium and boron contents in plants and soils by nuclear particle etch technique. 354654
Gotchev, B.
Radiative lifetimes of ions from electron-photon coincidence measurements. 353354
Gotchy, R.L.
Health effects attributable to coal and nuclear fuel cycle alternatives. (NUREG – 0332(Draft)) 362724
Goth, J.W.
Molybdenum – Strong demand fosters new prospects. 354486
Gotkis, I.S.
Mass-spectrometric study of evaporation products of the B_2O_3-WO_3 system. Formation heat of BWO_4 (gas). 357018
Gotlib, V.I.
Photorefraction in lithium niobate. 374664
Gotlib, V.Ya.
Changes in the survival of mammalian cells affected by a DNA synthesis inhibitor under the conditions of fractionated and single exposures. 362627
Goto, Akira
A study on coloring and corrosion behavior of end plugs of FUGEN fuel elements. (PNCT – 831-77-01) 379715
Goto, Eiji
Clinical application of extracellular fluid measurement using ^{35}S-sodium sulfate. 379200
Goto, K.
Formation of altered layer on the sputtered surfaces of Cu-Ni alloy at liquid nitrogen temperature. 368819
Study of preferential sputtering in coevaporated Cu-Ni samples at low temperature. 368792
Goto, Kazuo
Analysis of rare earth element by electron-ray excited emission spectrometry. 359571
Goto, M.
Mutation breeding of rice for bacterial leaf-blight resistance. 373723
On the random geometry of a symmetric matter antimatter universe. (IFT – 249/77) 350975
Goto, Norihiko
The effect of the combined treatment of surgery and chemotherapy on an experimental bone tumor. 373603
Goto, S.
Effects of distribution of helium bubbles on the tensile properties and swelling of neutron-irradiated and annealed beryllium. 370196
Goto, Seiichiro
Monitoring method of an atomic power plant. 368059
Goto, Shoji
The formation of isoamyl acetate from isoamyl alcohol by cellular suspensions of cladosporium cladosporioides No.9, (1). 354972
Formation of isoamyl alcohol and isoamyl acetate from L-leucine by cellular suspensions of Cladosporium cladosporioides No. 9. 349884
Goto, Tadashi
Emergency core cooling device. 379776
Gotoh, Hiroshi
Calculation of the effective D-d neutron energy distribution incident on a cylindrical shell sample. (JAERI-M – 7154) 366905
Gotoh, T.
The changes of electrochemical and mechanical properties through gamma irradiation of a collagen aqueous solution. 375686
Sputtering yields of graphite, copper, using torsion microbalance technique with keV region H^+, He^+ and Ar^+. 368728
Gotoh, Yorio
Neutron spectrum analysis in a heavy-water-moderated, light-water-cooled reactor. (JAERI-M – 7128) 379541
Gotohda, Eiki
Effect of x-irradiation of recipients on in vivo neutralization of syngeneic tumors by spleen cells nonspecifically immunized with allogeneic tumors. 360232
Gotow, K.
Inelastic scattering of π^+ Mesons from nuclei at 50 MeV. 369493
Two-photon decays of pionic carbon. 354252
Gotsev, G.
Quantitative investigation of some trace elements in renal stones by neutron activation analysis. 369538
Gott III, J.R.
Angular momentum of galaxies. 351092
Gott, J.R.
Groups of galaxies. 369088
Gotta, D.
Measurement of the circular polarization of muonic Ksub(α) X-rays in Se and Pd. 361330
Pion absorption by ^3He. 377963
Gottardi, N.
Relaxing confinement behaviour of metal limiter in high density tokamak discharges. (IPP – III/36) 350889
Gottlieb, H.E.
Carbon-13 nuclear magnetic resonance spectroscopy of flavonoid and isoflavonoid compounds. 364149
Gottlieb, J.
Contributions to the theoretical study of the Procopiu effect. 376947
Gottlieb, L.
Magnetic fusion energy annual report, July 1975 – September 1976. (UCRL – 50002-76) 377420
Gottschalk, G.
O/M stability in mixed oxide fuel pins. (HEDL-TME – 77-55) 363538
Gottschalk, H.M.
A review on spices. Present status of decontamination techniques such as gamma irradiation. 367672
Gottschalk, P.
Hot-spot particle emission in deep-inelastic ^{16}O + ^{58}Ni collisions. 369426
Gottschalk, T.
Are new weak gauge bosons a viable explanation of neutrino trimuon production. 356391
Fragmentation function for heavy quarks. 353763
Multihadron semileptonic decays of charmed mesons. 359226
Symmetric dimuons from neutrinos. 353764
Gottschall, W.C.
Role of education in Colorado's nuclear power decision. 352544
Gottschling, H.D.
Ultramicro radioimmunoassay of insulin using commercial RIA kits. 354933
Gotz, G.
Evidence of various defect types from dechanneling measurements. (INIS-mf – 3996) 364019
Radiation damage and implanted impurity distribution in GaAs at P-ion implantation. (INIS-mf – 3996) 363957
Self-interstitial location in boron-implanted silicon crystals measured by backscattering method. (INIS-mf – 3996) 364020
Goubin, Jean
Civil engineering work. 355136
Goudas, C.L.
Hydromagnetic flow near an oscillating porous limiting surface. 366738
Goudis, c.
The complex motions of the neutral and ionized gas within the Dumb-bell Nebula (NGC 6853) – II. 374911
Goudy, A.J.
Hydrogen solubility in rare earth intermetallic compounds. 373196
Gouet, M.
Electronic conductivity and oxidation reduction in zirconium based ceramics. 354585
Gould, C.R
Fast neutron differential cross sections. (BNL-NCS – 22500) 356862
Gould, Ch.E.
Study of E2 transition probabilities in ^{194}Pt. 356893
Gould, K.L.
Critical analysis of the potential clinical use of ^{201}Tl in chronic coronary artery disease (CAD). (INIS-mf – 4010) 362816
Myocardial imaging with ^{201}Tl at rest and during exercise. Comparison with coronary arteriography and resting and stress electrocardiography. 352124
Myocardial imaging with thallium-201: an experimental model for analysis of the true myocardial and background image components. 357647
Gould, L.M.
Permanent disposal of high level radioactive wastes in the Antarctic ice sheet. 363665
Gould, W.R. Jr.
Use of engineering design models to aid construction of nuclear power plants. 358155
Goulding, C.A.
Elastic proton scattering from ^4He in the forward direction at 200, 350 and 500 MeV. 362107
A liquid helium-4 target for intermediate energy nuclear physics. 374062
Goulding, F.S.
Automated elemental analysis using energy dispersive x-ray fluorescence analysis. (LBL – 7211) 379257
Goulianos, K.
Finish: summary and conclusion. (COO – 2232A-49) 364579
Gounand, F.
Collisional depopulation of Rydberg P states of rubidium at thermal energies. 377021
Gounaris, G.J.
Asymptotic symmetry for the charmed and UPSILON vector mesons. 372425
The structure of neutral currents from nuclear physics. 361981
SU_4XSU_4 chiral symmetry for pseudoscalar mesons. 361807
Gouras, P.
Responses of macaque ganglion cells to far violet lights. 373476
Gourber, J.P.
Magnetic beam position detector. 363171
Measurement of the excitation of the coupling resonance Q/sub h/ – Q/sub v/ = 0. 363174
Overlap knock-out effects on the CERN Intersecting Storage Rings (ISR). 363241
Gourcy, J.
Charged particles detection: the graft-and-dye method. 360083
Gourdji, D.
Radio-receptor assay for thyrotropin releasing hormone. 354930
Gourdon, J.
Utilization and performance of sodium instrumentation during start-up and initial operation of PHENIX. (CONF-760503 – P2) 352768
Gourlan, G.
The dense plasma focus – a high intensity neutron source. 353519

Gousset, G.
Electron – Cs^+-ion recombination in the presence of neutral helium atoms. 358947
Goussault, C.
Blocking of s-triazine molecules by organic matter. 357669
Goutier, R.
Modification in nucleocytoplasmic transport of RNA in vitro after whole-body X-irradiation. 367481
Gouverneur, P.J.L.
Action of di-tert-butyl peroxide or of γ-radiations on 2,3-dimethylbutane. Identification of the C_{12} hydrocarbons. 373048
Govaert, A.
Moessbauer study of Ca^{2+}-containing magnetites. 371681
Gove, H.E.
Transmission measurements for heavy ion beams through the Rochester MP Tandem. 363294
Gove, N.B.
High energy (E less than or equal to 1000 GeV) intranuclear cascade model for nucleons and pions incident on nuclei and comparisons with experimental data. (ORNL/TM – 5710) 359380
Govekar, L.G.
Radiation induced alterations in the endotoxin of S. typhimurium. 352018
Use of gamma radiation in preparation of Salmonella vaccine. 352145
Govers, T.
Electron transfer in H^* – He^{++} collisions. 353368
Govers, T.R.
Dissociation of energy selected ions by threshold photoelectron-photoion coincidence. 355881, 377028
Merged-beams study of the charge exchange between He^{2+} ions and highly excited hydrogen atoms. 348658
Govindarajan, T.R.
Causality of propagation of the Bhabha-Gupta field coupled to external electromagnetic and gravitational fields. 353137
Govindjee
Membrane potential and microsecond to millisecond delayed light emission after a single excitation flash in isolated chloroplasts. 367456
Govor, L.I.
Angular distributions of γ-rays emitted in inelastic scattering of fast reactor neutrons on sup(114,116)Cd. 359473
De-excitation of ^{133}Cs levels excited in the (n, n'γ) reaction. 375154
Level population of ^{92}Mo in inelastic scattering of fast reactor neutrons. (INIS-mf – 3896) 356740
Level scheme of sup(105)Pd. 359375
Study on gamma radiation from inelastic scattering of reactor fast neutrons. (INIS-mf – 3896) 356739
Govorkov, A.B.
Phenomenological consideration of inclusive production of strange particles in π^-P collisions at mean energies (approximately 5 GeV). (JINR-R – 2-10751) 377733
Govorov, N.N.
Organic boron compounds. 378343
Govorov, V.V.
Longitudinal polarization measurements on direct muons produced in proton-nucleus collisions. 353925
Two-pulse power supply for a large streamer chamber. 358421
Govorun, N.N.
Automatic processing of images on photos from the JINR magnetic spark spectrometer. (JINR – 10-10331) 376853
Basic trend of development of the JINR computer centre. 368486
Principles of organization and the structure of the module system of programmes for data processing. 361218
Software for an experiment in serch for a new type of radioactivity. (JINR – 10-9214) 380150
Technique control and quality evaluation of results from chamber picture measurings. (JINR – 10-9833) 368484
Gow, C.E.
Spectrophotrmetry of cool carbon stars. 372176
Gowda, N.M.N.
Complexes of ruthenium(II) and ruthenium(III) with tertiary arsines. 359698
Gowda, R.
Photoelectric cross sections for 323 keV gamma rays in Cu, Zr, Ag, Sn, Ta, Au, and Pb. 359361
Variation of total to K-shell photoelectric cross section ratios with atomic number and photon energy. 361358
Gowdy, G.M.
Decay scheme studies of neutron-deficient odd-mass thallium isotopes and the systematics of the odd-mass mercury levels. (TID – 27710) 351356
Gowers, C.W.
The production and sustainment of a reverse field pinch. (INIS-mf – 3963) 371769
Gowing, R.
Assessment of leakage of radioactivity from irradiated oxide fuel transport flasks. 350018
Gowland, L.
Metal ion sources for plating. 377176
Goworek, T.
Positronium formation in polyacenaphtylenes. 371488
Positronium lifetimes in molecular crystal with impurities. 371606
Goyal, A.K.
Dispersion of phonons in a high superconducting transition temperature transition metal carbide ZrC. 366414
Goyal, D.P.
Cross sections of $K^-n \rightarrow \Sigma^0 \pi^0$ in the centre-of-mass energy interval 1850-2160 MeV. 372524
Goyal, D.R.
Radium organisation and radiation protection. 373881
Goyal, O.P.
Absorption of RAPS power in the Northern Region Grid. 379613
Goyal, R.N.
Potentiometric determination of thermodynamic parameters for the complex formation of Arsenazo I and Spadns with yttrium(III), zirconium(IV) and cerium(IV). 367100
Goyal, S.C.
Dispersion of phonons in a high superconducting transition temperature transition metal carbide ZrC. 366414
Gozani, T.
System optimization for prompt-neutron activation analysis of coal. 378154
Goze, A.
Complementation pattern of lexB and recA mutations in Escherichia coli K12; mapping of tif-1, lexB and recA mutations. 376080
Gozzellino, F.
GOSPEG-1 a program for routine analysis of γ-ray spectra by an in line IBM S/7 computer. (CNEN-RT/CHI – 77-4) 363736
Graaf, C.N. de
Functional imaging of the blood flow in the kidney, comparison with selective X-ray angiography. (INIS-mf – 4010) 362725
sup(99m)Tc diethylacetanilido-iminodiacetate combined with functional imaging for the study of hepatobiliary function. (INIS-mf – 4010) 370463
Graaf, E.J. de
A duel head Anger camera system for the imaging of positron emitting radionuclides. (INIS-mf – 4010) 358387
Graaf, L.A. de
Reorientation motions of the ammonium group in NH_4ZnF_3 studied with inelastic neutron scattering. (INIS-mf – 4267) 377290
Grabar, S.
Use of a MWPC in a big magnetic spectrometer as a counter hodoscope for fast majority discrimination. 379873
Grabchak, S.L.
Study of kinetics of equilibrium cations exchange on oxidised carbon with use of radioactive indicators. 351495
Grabchuk, B.L.
Kinetics of high-temperature oxidation of boron carbide in oxygen. 362302
Grabczak, J.
Determination of radiocarbon in water by gas or liquid scintillation couting. 373437
Grabe, H.
Absolute experimental differential cross sections for elastic large angle scattering of 40 keV electrons from C, Al and Au. 358820
Grabeklis, A.A.
Using ferrosilicon production slags for reduction of open-hearth steel. 378570
Graber, H.D.
Strengths of isospin forbidden E1 transitions in ^{40}Ca and ^{16}O. 366992
Grabez, B.
Fission of Bi, Pb and Au induced by 0.65, 1.74 and 4.12 GeV alpha particles. 366978
Grabisch, K.
Spallation products induced by energetic neutrons in plastic detector material. 366887
A spatial track formation model and its use for calculating etch-pit parameters of light nuclei. 368324
Grabner, A.
Noise analysis system for early detection of malfunctions in pressurized water reactor nuclear power plants. 350168
Graboske, H.
Equation of state of beryllium. (UCRL – 52323) 373197
Grabowski, R.
Distribution of K^{42} between erythrocytes and plasma related to fibrinolytic activity. 373604
Grabska, A.
Ingestion and digestion of erythrocytes by non-irradiated and irradiated macrophages. 373492
Grabstald, H.
Comparative study of two preoperative radiation regimens with cystectomy for bladder cancer. 373579
Grace, M.A.
The hyperfine field at potassium implanted in cobalt. 355971
Grace, R.S.
Observation of orbiting resonances in the scattering of He + Ne. 350620
Total cross sections at subthermal energies. 358829, 377119
Gracey, C.M.
Package for storing solid toxic material and method for packaging. (German (F.R.) patent document 2549304/A/) 352865
Grachev, A.G.
Logic calculation of bar-lamp decoders and their circuits. (JINR – 11-9346) 350359
Recording system for program-controlled digital units. (JINR – 10-9791) 379975
Starting system for a 2-meter streamer spark chamber in a 17 GeV/sec α-particle beam. (JINR – 13-9030) 358334
Grachev, M.I.
Polarized muon beam with 'variable' helicity. (IFVE-OP-PEF – 76-19) 376367
Study on antiproton-proton charge-exchange at 18 and 40 GeV/C. (JINR-D – 1,2-9342) 356494
Grachev, M.L.
Magnetostriction properties of terbium monocrystals and terbium-

gadolinium alloy system. (INIS-mf – 3839) 365173
Grachev, N.S.
Estimation of superheated steam quality by measuring the real steam temperature. (FEI – 509) 376303
Grachev, S.A.
Determination of the H^3-mexamine content in the organism and liver cells of mice. 360271
Effect of pH on the radiolysis of deaerated aqueous solutions of aminothiols. 354425
Identification and quantitative determination of gammaphos metabolites in mice urine. 360261
Grachev, S.V.
Internal friction in stainless maraging steels. 349472
Nitriding of steel in electrothermal vibrofluidized bed. (INIS-mf – 4046) 369888
Study on thermomechanical treatment of KhN77TYuR alloy. 375816
Grachev, V.M.
A study of twice-albedo electrons in the atmosphere. 357532
Gracheva, L.A.
The effect of tempering at 400 deg C on the structure and properties of maraging Kh11N10M2 steel. 357277
Gracheva, L.L.
2 m- chamber filled with neon – hydrogen mixture and with a track-sensitive hydrogen target. 358330
Gracheva, L.M.
Lethal action of ionizing radiation on the chlorella vulgaris cells containing varying dmounts of intracellular cysteine. 349725
Gracheva, M.A.
Way of obtaining a preparation containing technetium-99m. (Soviet patent document 434945/A/) 362815
Gracheva, N.V.
The U-S-Te system. 359694
Graczyk, J.
Studies of separation processes using radiotracers. 376293
Grad, G.A.
Target systems of multichannel laser thermonuclear facilities. (INIS-mf – 3954) 361509
Grad, H.
Magnetic confinement fusion energy research. (COO – 3077-143) 356109
Gradmann, U.
Moessbauer emission spectra of Co-films (4-8 A) on Cu. 366415
Gradov, O.M.
Fluctuations of surface waves in inhomogeneous magnetoactive plasma. 364157
Induced radiation from a plasma cylinder. 348917
Plasma parametric resonance in the non-monochromatic pump-wave. (INIS-mf – 3963) 371714
Total resonance absorption of electromagnetic radiation in an inhomogeneous plasma. 368911
Gradowski, K.
A personal tritium intake monitor. 355579
Grady, D.
High strain rate studies in rock. 351929
Grady, J.D.
Building a training program to meet plant startup, ANSI 18.1 and 10 CFR 55 requirements. 358133
Grady, L.M.
Automated approach to nuclear facility safeguards effectiveness evaluation. 380121
Graeber, R.
Singular potentials and the divergence problem in quantum field theory. 361269
Graef, H.
Lifetimes of the yrast states of even Ce isotopes. 372766
Graef, H.D.
High resolution inelastic electron scattering and the excitation of magnetic dipole and quadrupole states in nuclei. (IKDA – 77/13) 364796
Isospin forbidden electroexcitation of the 1^-, T = 0 state at 6.95 MeV in ^{40}Ca, continuum shell-model and effective charge of the convection current. 369483
Study of the electric monopole transitions between the ground state and the first excited 0^+ state in $^{40\ 42\ 44\ 48}$Ca with high resolution inelastic electron scattering. 377998
Graef, K.-J.
Homologous radioimmunoassay for canine prolactin and its application in various physiological states. 365491
Graef, W.
UV radiation-induced conversion products from carcinogenic, polycyclic aromatic hydrocarbons and their role in environmental hygiene. 367697
Graeffe, G.
Si Ksub(α) X-ray emission spectra of Si, SiC, SiO_2 and Si_3N_4. 361359
Graemer, G.
Thermal insulation for prestressed concrete pressure vessels of water-cooled nuclear reactors. (German (F.R.) patent document 2022751/B/) 355277
Graessler, G.
Strange particle production in three- and four-body final states of 16 GeV/c π^+p reactions. 353944
Graessler, H.
A study of direct and indirect pion production in π^+p interactions at 16 GeV/c. 377804
Total cross sections for charged-current neutrino and antineutrino interactions in BEBC in the energy range 20-200 GeV. 353945
Graetzel, M.
Reactions of the hydrated electron with pyrene in lipid bilayer vesicles. 365076
The reactivity of pyrene derivatives in neutral micelles towards hydrated electrons. 365075
530 nm-laser photolysis studies of the photo reduction of tris(2,2-bipyridine)-ruthenium(II) by organic donors. 365070
Graevskaya, E.Eh.
On the role of endogeneous substances in creating enhanced radioresistance background. 370345
Graevskij, Eh.Ya.
On the probable nature of enhanced radioresistance of the gemmating yeast cells. 362644
Graf, D.V.
Lessons learned at Calvert Cliffs. 370924
Graf, E.
Heater rods for simulation of fuel pins in liquid-metal-boiling experiments. Pt. 2. (KFK – 2474) 370707
Graf, H.
Depolarization of positive muons in Cu. 377172
Muon spin orientation (μSR) in ferromagnets and semiconductors. 377193
Muon spin rotation (μSR) in α-Fe_2O_3. 377194
Muon spin rotation (μSR) in Gd. 378630
Muonium states in silicon. 377195
Graf, J.J.
Contribution of national research and development centers in nuclear transfer. 352545
Graf, M.
Volume curves of the left ventricle at rest and during excercise, determined with nuclear medicine methods. (INIS-mf – 4010) 362825
Graf, W.
Radio and x-ray variability of the nucleus of Centaurus A (NGC 5128). (N – 77-26060) 369025
Graffmann, E.
Experimental investigations of the stability of a belt-pinch to vertical displacements. (INIS-mf – 3963) 371872
Grafov, B.M.
Determination of kinetic parameters in the In-In^{3+} system on the base of impedance theory for multistage processes. 375579
Grafton, W.A.
Mark III Confirmatory Test Program: 1/root 3 scale condensation and stratification phenomena, Test Series 5807. (NEDO – 21596) 365620
Grafutin, V.I.
Catalytic purification of reactor KS-150 heavy water moderator of organic impurities. 369606
On participation of unsolvated electron in chemical reactions in alcohol solutions. 369735
The role of dry electrons in positronium formation in polar liquids. 359772
Gragg, R.L.
Response of Chinese hamster ovary cells to fast-neutron radiotherapy beams. II. Sublethal and potentially lethal damage recovery capabilities. 365350
Graham, C.D. Jr.
Plastic and magnetoplastic deformation of Dy single crystals. 362425
Graham, G.M.
Thinning of a superfluid film in persistent flow. 351116
Graham, H.C.
Oxidation of hot-pressed Si_3N_4 with Zr-based additives. 357361
Graham, J.
Clinch-River Breeder-Reactor Plant system reliability. 357728
LMFBR design basis accidents and their accommodation. 362935
Safety related design considerations for large fast breeder plants. (CONF-761001 – P1) 362939
Graham, L.W.
Influence of oxide layers on the carbonisation of alloys in HTR helium. 369822
Graham, R.A.
Electrical and mechanical response of lithium niobate shock loaded above the Hugoniot elastic limit. 367321
Graham, R.L.
Beta-delayed proton emission: a new series of precursors and the measurement of 10^{-16} s nuclear lifetimes. (AECL – 5560) 375180
Electromagnetic properties of the ground state rotational band in ^{169}Tm. 356900
Tsub(z) = 1/2 β-delayed proton precursors. I. 354232
Graham, R.W.
Estimated prices for thermal generating stations at 1 January 1977. 363703
Graham, W.G.
D- production by backscattering from clean alkali-metal surfaces. (LBL – 6839) 363922
Electron capture and loss cross sections for multicharged iron and argon ions in argon and molecular hydrogen. 368610
Experimental measurements of negative hydrogen ion production from surfaces. (LBL – 6837) 363897
Single electron capture and loss cross sections for highly stripped Fe ions in hydrogen at 3.4 MeV/nucleon. 353191
Grahan, C.L.
Gamma-ray dosimetry errors with TLDs. (UCRL – 80183) 379889
Grahl, R.
Investigation of the resorption and retention of radioactive sulfur in albino rats after administration of 3,5-dibenzyl-2-thiono-1,3,5-tetrahydrothiadiazine (D 47) as a synthetic mustard-oil-forming substance labelled with ^{35}S. 354836
Metabolism and excretion of ^{32}P-aminophon in lactating cattle. 373597

Grahmann, U.
Tritium determination in aqueous and organic radioactive waste solutions. 371189
Grainger, L.
Communications on energy; and reply. 350406
Grais, I.M.
Case of myocardial abscess evaluated by radionuclide techniques: case report. 373691
Grais, K.I.
A study of the $^{39}K(d,\alpha)^{37}Ar$ reaction. 356697
Gralnick, S.L.
Multigroup calculations of low energy neutral transport in tokamak plasmas. (PPPL – 1384) 371865
Multigroup calculations of low-energy neutral transport in tokamak plasmas. 371866
Ray tracing in axisymmetric toroidal coordinates. 371873
Gram, P.A.M.
Energetic charged particle yields induced by pions on complex nuclei. 359494
Grama, I.D.
Surfactant complexes of metal-organic compounds – anion type and their use in polarography. (INIS-mf – 4192) 375379
Gramenitsky, I.M.
Charge asymmetry at large psub(T) in inelastic anti pp reactions at 22.4 GeV/c. 353943
Multiplicities and forward-backward correlations in anti pp interactions at 22.4 GeV/c. 366882
Grametbauer, P.
Preparation of metallic uranium reference sample. II. 378712
Grammakov, A.G.
Photoresponse spectrum of the rediffusion p-n junction in InSb in a magnetic field. 348789
Grammaticos, B.
Splitting of the giant quadrupole resonance in light deformed nuclei. 366919
Grammatikakis, G.
Inclusive V^0 production in anti pp interactions at 12 GeV/c. 353939
Study of the planarity in K^-p reactions at 8.25 GeV/c. 369379
Grams, W.H.
Analysis of the custom design/fabrication/testing requirements for a large-hole drilling machine for use in an underground radioactive waste repository. (Y/OWI/SUB – 4269/22) 352874
Gran, Yu.M.
Investigation of interaction of molten gallium-phosphorus stoichiometric alloy with container materials. 362211
Granada, J.R.
Total neutron cross section of molybdenum in the thermal range. 375084
Granata, G.
Wave absorption near the electron cyclotron frequency. (EUR-CEA-FC – 912) 358941
Granatstein, V.
Coherent radiation from an intense relativistic electron beam rotating in a background plasma. 368951
Granatstein, V.L.
Experimental study of microwave generation and suppression in a non-neutral e-layer. 350828
Grand, P.
An intense neutron source based upon the deuterium-stripping reaction. 355187
Grande, B.
About oxocuprates. 18. 349222
Grande, S.
NMR investigations of the melting behaviour of mesogen compounds. 371637
Grandi, S.A.
Spectral development of Nova Cygni 1975. 351086
Grando, Jean
Relations between the characteristics of the emissive plasma in an electron cyclotron resonance ion source and the properties of extracted beam with expansion cup geometry. (CEA-R – 4832) 353554
Grange, P.
Perturbative description of correlations in the wave function of a nondegenerate nuclear system. (LYCEN – 7702(pt.2)) 369427
Statistical fluctuations and the double differential cross section for energy and angle in deep inelastic reactions. 375101
Three-body force contribution in nuclear matter via perturbation and proper Brueckner calculation. 356602
Granger, H.C.
Fluid flow and ionic diffusion and their roles in the genesis of sandstone-type uranium ore bodies. (USGS-OFR – 76-454) 365269
Granito
Super-Phenix: status of the Creys-Malville plant. 379738
Granneman, E.H.A.
The influence of heavy gas endplugs on the energy confinement time. (INIS-mf – 3963) 374822
Granner, N.
Flow and mixing conditions in the upper plenum of the SNR 300. 371007
Granovskaya, P.B.
Analytical characteristics of yttrium and lutetium compounds with chromazurols, 8-oxyquinoline and pyridine. (INIS-mf – 4192) 375214
Granovskij, T.S.
Method of indicating linear travel of electrified material. (Soviet patent document 480963/A/) 376272
Granovskij, V.G.
Cooled trap. (KFTI – 75-10) 355150
Granovskij, Ya.I.
Generating scattering amplitude. 371489
On coulomb polarization of vacuum. 368545
Granowska, M.
Regional cerebral blood flow – a new non-invasive method. (INIS-mf – 4010) 362717
Granqvist, C.G.
Far-infrared absorption in ultrafine N particles. 356360
Superconductivity of indium-silver and tin-silver multilayers. 369250
Grant, A.
Inclusive V^0 production in anti pp interactions at 12 GeV/c. 353939
Total cross sections for charged-current neutrino and antineutrino interactions in BEBC in the energy range 20-200 GeV. 353945
Grant, B.
Design, fabrication, and testing of a fast discharge homopolar machine (FDX). (CONF-771029 – 117) 377414
Grant, E.R.
Molecular beam studies on multiphoton dissociation of polyatomic molecules. (LBL – 6275) 358748
Steady state hot atom kinetic model calculations. Time dependent rate coefficients for the nonthermal $^{18}F + H_2$ reaction. 378466
Grant, G.B.
System engineering and design of a pulsed homopolar generator power supply for the Texas Experimental Tokamak. (CONF-771029 – 114) 377350
Grant, I.S.
Independent yields of indium and gallium in the proton induced fission of natural uranium. 359469
Mass-yield distributions in the reaction of ^{56}Fe ions with ^{238}U. 351410
Grant, J.A.
Helically coiled 'once through' steam generators at Hartlepool. 352675
Grant, P.
Use of condensate polishers in BWR and PWR nuclear plants. 370881
Grant, P.M.
Orthogonalized-plane-wave band structure of polymeric sulfur nitride (Sn)/sub x/. 357395
The production of medically useful radioisotopes at the Los Alamos Meson Physics Facility. (INIS-mf – 4010) 356850
Grant, R.J.
Measuring mixed energy gamma radionuclides using a radionuclide calibrator. 352346
Grant, W.A.
Amorphous Ni-P alloys prepared for ion implantation. 363939
The effect of ion implantation on the corrosion behaviour of pure iron. 359818
The use of ion implantation to produce novel surface resistant alloys. 377156
Grant, W.L.
Development and progress of the South African enrichment project. 367853
Grantsev, V.I.
Deuteron disintegration on heavy nuclei and allowance for neutron interaction in a final state . . 377886
Deuteron disintegration on lead isotopes. 377887
Energy dependence on interference phenomena in the $^{11}B+p\rightarrow 3\alpha$ reaction. 375177
Granzer, F.
Electron microscopic investigations of tracks of Cf^{252} fission fragments in quartz glass. 360129
Solid state nuclear track detectors: track forming, stabilizing and development processes. 360085
Granzow, K.
Gas pressure test of the inner and outer reactor pressure vessel in the AVR experimental nuclear power plant with HTR. 370959
Grappin, R.J.P.
Acceleration of test particles in one-dimensional random force fields. 361270
Grard, F.
Λ and anti Λ production in K^+p interactions at 32 GeV/c. 372512
Inclusive V^0 production in anti pp interactions at 12 GeV/c. 353939
Grasberger, W.H.
Calculations of impurity radiation and its effects on tokamak experiments. 348928
Steady state radiative cooling rates for low-density high-temperature plasmas. (PPPL – 1352) 359001
XSNQ-U: a non-LTE emission and absorption coefficient subroutine. (UCRL – 52276) 350890
Grashin, A.F.
On the off-shell effective range approximation. 375098
Grasseschi, G.L.
Extrapolation of ZPR sodium void measurements to the power reactor. (CONF-761001 – P2) 362864
Grasso, H.O.
Nuclear technology experience acquired by Argentina. 352591
Grasso, P.
Biosynthesis of methylmercury compounds by the intestinal flora of the rat. 365474
Grathwohl, M.
Future perspectives of energy supply. Pt. 1. 355660
Gratsianov, Yu.A.
Refining iron and iron-nickel alloys in a vacuum induction furnace with crucible of melted lime. 375797
Gratton, R.
On the upper pressure limit for the efficient operation of a plasma focus device. 353555

Grau, J.A.
Investigations into particle-core coupling phenomena in Pd nuclei aided by directional correlation measurements from oriented nuclei. 372759
Grau, W.
Flowmeter cell. (German (F.R.) patent document 1698213/B/) 376698
Grauby, A.
The agricultural use of heat discharge by nuclear power plants. 354991
Environmental impact of nuclear industry. Results of research on environmental radionuclide transfer. 360366
Evaluation of the dose to man in relation to the behavior of tritium from irrigation water in agricultural crops. 370423
Experimental study of the consequences of accidental sodium release in the form of peroxide aerosols on the tomato and the lettuce. 354976
Studies of the impact of nuclear facilities on the environment. 360423
Graue, A.
Spectroscopy of ^{121}Te and ^{124}Te from the sup(120,123)Te(d,p) sup(121,124)Te reactions. 356822
Graul, E.H.
Different results produced by five radioimmunoassays for determination of digitalis in serum. 376190
Radiobiological studies on biological systems of animals exposed to the heavy nuclei of cosmic galactic radiation. 360258
Graupera, B.B.
Osteoradionecrosis of the mandible. 379058
Grave, E. de
Moessbauer study of Ca^{2+}-containing magnetites. 371681
Graves, R.
The capture of muons by complex nuclei. 361967
Graves, W.E.
Quantitative consistency testing of thermal benchmark lattice experiments. (DP-MS – 77-33) 368000
Graveson, R.T.
Survey of radon monitoring techniques. (HASL – 325) 378915
Gravitis, V.L.
Determination of ash content of coal by mass absorption coefficient measurements at two X-ray energies. 376271
Graw, G.
Compound nuclear contributions to the inelastic decay of analog resonances in the ^{90}Zr(p(pol),p') reaction. 356758
Evidence for negative deflection angles in ^{40}Ar + Ag deep-inelastic reactions from γ-ray circular polarization measurements. 367010
Pre-equilibrium alpha emission accompanying deep-inelastic ^{16}O + ^{58}Ni collisions. 354207
Gray, B.M.
Climatic interpretation of delta^{18}O and deltaD in tree rings, and replies from Wilson, A.T.; Gray, J.; Thompson, P.; Libby, L.M.; Pandolfi, L.J. 367392
Gray, C.S.
Across the nuclear divide: strategic studies, past and present. 374510
Gray, D.A.
LEP injection. 363154
Options for the disposal of high-level radioactive waste. 368404
Gray, D.L.
Determination of B_0 from the upsilon$_3$ Raman band of CD_4. 350584
Gray, D.R.
Observation of severe heat-flux limitation and ion-acoustic turbulence in a laser-heated plasma. 368952
Gray, E.
Injection methods in the Fermilab booster. 363197
Gray, E.R.
Phase space cooling and anti pp colliding beams of Fermilab. 363242
Gray, H.H.
Transverse tensile and stress rupture properties of gamma/gamma prime-delta directionally solidified eutectic. (N – 76-33314) 362410
Gray, J.
Determination of the ^{87}Rb decay constant. 359471
Gray, J.E.
Photographic quality assurance in diagnostic radiology, nuclear medicine, and radiation therapy. Volume II. Photographic processing, quality assurance, and the evaluation of photographic materials. Final report. (PB – 267498) 357639
Safeguards: industry perspectives. 361208
Gray, J.W.
Flow cytogenetics: progress toward chromosomal aberration detection. (UCRL – 79664) 360220
Gray, K.E.
Deviations of the equilibrium order parameter from mean field theory in superconducting aluminum films. 351749
Gray, L.W.
Analysis of cadmium in high alpha solutions. (DPSPU – 77-30-7) 362124
Explosion and fire during conversion of liquid uranyl nitrate to solid uranium oxide. 379325
Gray, P.
Fast neutron therapy beam produced by 26 MeV protons on beryllium. 376243
Gray, P.R.
Moessbauer investigation of a platinum – tin paraffin dehydrogenation catalyst. 378280
Gray, R.H.
Effects of water quality alterations on fish behavior. (BNWL – 2100(Pt.2)) 362936
Impingement studies at the 100-N reactor water intake. (BNWL – 2401) 362993
Gray, R.J.
Metallographic study of ferrite → sigma transformation using ferromagnetic colloid, microprobe analysis, and color etching. (CONF-760731 – 7) 351750
Gray, S.W.
Preliminary measurements of proton polarization in high energy inclusive processes. (COO – 2009-129) 364572
Preliminary polarization results at Fermilab energies. (COO – 2009-128) 364571
Gray, W.H.
Finite element stress analysis of orthotropic solenoids. (CONF-771029 – 61) 371875
Mechanical design of ORPUS-3. (CONF-771029 – 149) 377533
Preliminary structural analysis of the toroidal field coils for T-10M. (CONF-771029 – 60) 371874
Structural analysis of the large coil segment test. (CONF-771029 – 62) 371774
Gray, W.J.
Neutron irradiation effects on carbon and graphite cloths and fibers. (BNWL – 2390) 364202
Grazhdankina, N.P.
Effect of high pressure on magnetic properties of Cr_5Te_6 ordered alloy. 377196
Magnetoresistance of Cr_5Te_6 alloys in the region of magnetic phase transformations. 369957
Graziani, G.
The European Community case for nuclear power. 366126
Greaves, M.W.
Does ultraviolet-evoked prostaglandin formation protect skin from actinic cancer. 370317
Grebe, S.F.
Changes of in vitro measured thyroid specific parameters, induced by the use of oral contraceptives. (INIS-mf – 4010) 370498
The influence of different diets on free thyroid hormones levels. (INIS-mf – 4010) 370466
Greben, J.M.
Comparison of the channel coupling array and CRC methods for a realistic nuclear transfer-reaction model. 361982
Validity of the particle-vibration model. 359404
Greben'kov, Zh.A.
Investigation of the transient operation of an experimental plant with the N_2O_4 coolant and with a flash heater. 355275
Grebenchikov, A.M.
Radioactive and alkaline elements in metasomatites of gold-and-silver deposits of Kazakhstan. 375982
Grebenik, A.M.
Improvements in or relating to power plant coolant. (UK patent document 1489171/A/) 365815
Grebennik, I.L.
Ultrasonic testing of large-diameter pipes and blanks. 357225
Grebennik, V.N.
Structure of the nuclear power industry with allowance for energy production other than electricity. 366115
Grebennik, V.S.
On efficiency evaluation of the ultrasonic amplitude control of large-grain materials. 357218
Grebennikov, V.V.
Choice of the dimensions of a piezoelectic transducer under ultrasonic testing of austenite welded joints. 373142
Selection of frequency and angle of incidence of ultrasonic beam in the testing of austenite welded joints of certain pearlite steels. 373141
Grebenshchikov, S.E.
Some characteristics of ohmic heating plasma in the L-2 stellarator. (INIS-mf – 3963) 371712
Grebenshchikova, B.I.
Separation of Am, Cm and rare-earths on the colloidal fraction of an anion-exchange resin deposited on an inert carrier. 354400
Grebenyuk, V.M.
Controlled microsecond delay line for logic nanosecond signals. 357924
Integrated coincidence circuits. 358411
Grebinnik, V.G.
Investigation of the detecting properties of a counter filled with solid argon. 350301
Grebnev, N.P.
Carburization of sintered chromium steels. (INIS-mf – 4046) 370086
Grebogi, C.
Unified formalism of lower hybrid parametric instabilities in plasmas. 350959
Upper-hybrid-resonance absorption of laser radiation in a magnetized plasma. 350857
Grebtsov, B.M.
Some properties of high-dispersed SiO_2, GeO_2, NoO_3 producted by plasmochemical method. 369610
Grebtsova, T.M.
Effect of ultrasonic treatment on high tensile nickel base alloys properties. (INIS-mf – 3914) 349401
Grecescu, M.
Photoactivation analysis of impurities in zirconium oxide. 375265
Grechishkin, V.S.
Two-frequency NQR – echo in an electric field. 348790
Grechko, G.M.
Observations of the Hercules X-1 x-ray source on the Salyut-2 station. 369089
Grechukhin, D.P.
Effects impeding the observation of weak neutral interaction

between muons and nuclei in light mesic atoms. 368640
Grechukhin, V.V.
Use of geophysical methods for determination of physico-mechanical properties of coal-bearing rocks in wells of the Vorkutskoye field. 367366
Grecksch, E.
Virtual isobar admixtures in complex nuclei. 372615
Greco, G.
Comparison of X-ray fluorescence and optical density methods for evaluation of exposures of dosimetric films. 371073
Greco, M.
Duality for vector and axial vector current propagators. 353798
On the lambdaanti lambda spectroscopy in e⁺e⁻ annihilation. 356418
Radiative asymmetry in e⁺e⁻ →μ sup(+)μsup(-) near a narrow resonance with polarized beams. 353810
Radiative decays of old and new mesons. (INFN-LNF – 77-11(P)) 369287
Grecu, D.
Rayleigh-wave scattering from a mass-defect in a solid surface. 376902
Greebler, P.
Applicability of the Reactor Safety Study (WASH-1400) to LMFBR risk assessments. (CONF-761001 – P2) 362909
Safety related design considerations for large fast breeder plants. (CONF-761001 – P1) 362939
Greedan, J.E.
Mixed valence europium perovskites in the system Eu – Ta – O. 357359
Greef, C.P.
Detection of coolant blockages: problems and possibilities. (CONF-761001 – P2) 362937
Greef, G.J.
Neutron activation analysis of geological material. (INIS-mf – 4000) 354291
Green, A.E.S.
Relativistic yield spectra for H_2. 358743
Yield spectra and the continuous-slowing-down approximation. 350632
Green, A.M.
Three-body forces in nuclear matter from intermediate Δ-states in three-nucleon clusters. 361998
Green, B.J.
Local, ideal and resistive stability in tokamaks with non-circular cross-section. 348918
Green, B.M.R.
Fallout in rainwater and airborne dust – levels in the UK during 1976. (NRPB-R – 55) 360177
A realistic chest phantom for the assessment of low-energy photon emitters in human lungs. 360534
Green, C.
The status of RELAP-UK Mk III at July 1976 – a program for transient thermal-hydraulic analysis. (AEEW-R – 1083) 370705
Green, D.
The distribution of ^{239}Pu in the skeleton of the mouse. 354841
Double-antibody radioimmunoassay for factor VIII-related antigen. 362774
TFTR vacuum system considerations. (WFPS-TME – 021) 371920
Green, D.R.
Comparison of the line-reversed channels p-barp → π⁻π⁺ and π⁺p → pπ⁺ at 6 GeV/c. 351232
Computerized x-ray radiographic system for fuel pellet measurements. (HEDL-SA – 1274) 365915
Measurement of the line-reversed reactions p-barp → π⁻rho⁻ and π⁻p → prho⁻ at 6 GeV/c. 369376
Modern applications for cast and wrought superalloys. 373198
Green, D.W.
Matrix isolation studies with Fourier transform ir. (CONF-770657 – 1) 362235
Green, E.
Galactic density wave, molecular clouds, and star formation. 372121
Green, G.
The effect of specimen size on the ductile/brittle transition temperature in an A533B pressure vessel steel. (INIS-mf – 3962) 351751
Green, J.A.S.
Development of 'cemented alloy carbides' for hard rock boring. Final report 1 Oct 1974 – 31 Dec 1976. (PB – 266665) 360014
Green, J.L.
Advanced carbide fuels: U.S. experience. (LA-UR – 77-1353) 352720
Mixed-nitride fuel performance in EBR-II. 379729
Green, K.
A measurement of the polarization parameter in large angle proton-proton elastic scattering at 7.9 GeV/c. 356484
The multi-disciplinary role of 'pion factories'. 365738
Green, L.
Observation of gross structures in the gamma ray yields following the ^{16}O + ^{12}C reaction. (RLO/1388 – 362) 372706
Study of anomalous angular distributions with ^{15}N-induced reactions. (RLO/1388 – 362) 372724
Green, L.A.
Atopy and immunoglobulin E concentrations in Hodgkin's disease and other lymphomas. 376175
Green, L.L.
Spin and parity determinations for the 3723 keV, 4294 keV and 5313 keV levels in ^{36}Cl. 351398
The structure of levels in ^{67}Ga below 2.6 MeV excitation. 351321
Green, M.
Mutagenic activity of photosensitizing drugs – a comparative study. (INIS-mf – 4052) 373605
State and local planning procedures dealing with social and economic impacts from nuclear power plants. (NUREG – 0203) 352214
Green, M.A.
Design of solenoid magnets using Legendre functions. (LBL – 6716) 367967
Development of large high current density superconducting solenoid magnets for use in high energy physics experiments. (LBL – 5350) 367966
Large high current density superconducting solenoids for use in high energy physics experiments. 360722
Large superconducting detector magnets with ultra thin coils for use in high energy accelerators and storage rings. (LBL – 6717) 370745
Quenches in large superconducting magnets. (LBL – 6718) 370718
Green, M.G.
f^0(1270) production in the reaction π⁻p→π⁺π⁻n at 12 and 15 GeV/c. 372501
Green, P.W.
Levels in ^{71}Ge studied with the ^{68}Zn(α,nγ)^{71}Ge reaction. 356799
Green, R.E.L.
Silicon detector ΔE, E particle identification; a theoretically based analysis algorithm and remarks on the fundamental limits to the resolution of particle type by ΔE, E measurements. 355582
Green, S.
Factorization and fitting of molecular scattering information. 368638
Indirect observation of unobservable interstellar molecules. 351023
Infinite order sudden approximation for rotational energy transfer in gaseous mixtures. 366337
Rotational excitation of linear molecules by collisions with atoms: Comparison of classical and quantum methods. 350589
Green, S.J.
Mechanical response of a porous uranium alloy. 373268
Green, T.S.
Particle balance in a picket fence ion source. (INIS-mf – 3963) 371487
Green, W.J.
Effect of removal of a central thimble on coolant flow distribution in a research reactor fuel element. (INIS-mf – 4082) 368248
A sensitivity study of the heat transfer processes involved in a hot-leg rupture in a pressurized water-cooled system. (AAEC/E – 416) 362938
Green, W.V.
Creep rate enhancement theory for irradiated substitutional solid solution alloys. 357432
Theory of enhanced high temperature cyclic creep in polycrystalline material. 357398
Greenberg, D.D.
Effects of preloading of stannous compounds on the distribution of sup(99m)Tc-pertechnetate. 352157
Greenberg, J.S.
Doppler shift measurement of differential K-vacancy production cross sections in heavy collision systems. 353255, 377022
Mechanism of excitation of two-electron – one-photon K x rays in heavy-ion collisions. 358749
Positron production in superheavy ion-atom collision systems. 376966
Production mechanisms for characteristic and non-characteristic X-rays in heavy ion collisions. 353378
A search for positron emission from atomic collision processes. (ZfK – 336) 364737
Greenberg, O.W.
Color models of hadrons. 353811
Infrared regularization of the massless scalar free field in two-dimensional space-time via Lorentz expansion. 361271
Quark model relation for kaon charge radii. 356419, 372426
Greenberg, W.
Functional analytic treatment of the transport equation. 356537
Vlasov theory of plasma oscillations: Linear approximation. 350800
Greene, A.E.
Heating of D_2 gas targets by intense tritium ion beams. (LA – 6821-MS) 356110
Greene, D.
Clambda values. 376223
Greene, G.L.
A new measurement of the magnetic moment of the neutron. 361886
Greene, J.M.
Ballooning modes in tokamaks with finite shear. (INIS-mf – 3963) 371876
Dynamical grid method for time dependent simulations of axisymmetric instabilities in tokamaks. (PPPL – 1359) 356121
Radial boundary layers in diffusing toroidal equilibria. 350933
Theory of ballooning modes in tokamaks with finite shear. 366527
Greene, K.M.
Detection by radioimmunoassay of nicotinamide nucleotide analogues in tissues of rabbits injected with nicotine and cotinine. 360402
Greene, M.
Framework for monitoring the social and economic impacts associated with the construction of the Skagit Nuclear Project in Skagit County, Washington. (PNL – 2446) 373844
Greene, N.M.
Central computerized data base for liquid metal fast breeder reactor safety codes. (CONF-761001 – P3) 365511
Greene, R.R.
Discrete inverse scattering theory and the continuum limit. 376894

Greenfield, M.A.
Weldability of hot isostatically pressed prealloyed titanium 6Al – 4V powder. 362411
Greenhalgh, J.R.
Clearance of lead-212 ions from rabbit bronchial epithelium to blood. 349782
Greenhalgh, W.O.
Reusable frame greenhouse that saves money and erection time and reduces waste generation. 371186
Treatment and immobilization of intermediate level radioactive wastes. (HEDL-SA – 1244) 363648
Greenhut, G.K.
Scalar contribution to radiative decays of the eta meson. 359254
Greeniaus, L.G.
A complete experiment for p-p scattering at medium energies. 372584
Measurement of the parameters P, D, R and A for small angle p-p scattering at 390 MeV. 377785
Greening, J.R.
Further comments on the discrepancy between Csub(lambda) and Csub(E). 349921
Greenlees, G.W.
The hyperfine structure and hyperfine anomaly of ^{161}Dy and ^{163}Dy. 354168
Greenly, J.B.
Accessibility of equilibria in an electron beam plasma system. 350813, 371782
Spectral distribution of wave power in wideband beam plasma turbulence. 350858
Greenough, G.B.
Fuel for CAGR stations. 352684
Greenspan, E.
Advances in light water hybrid reactors (LWHR). (INIS-mf – 4052) 374246
Catalyzed deuterium fusion-fission hybrid reactors. 377413
Development of shield optimization methods. (IA – 1338) 364604
Fast-core thermal-blanket breeder reactor. (INIS-mf – 4052) 368232
Feasibility of beam driven semi-catalyzed deuterium fusion neutron sources for hybrid reactor applications. (PPPL – 1399) 377412
Feasibility of plutonium separation-free nuclear power economy with LWHRs. 352748
Natural-uranium light-water hybrid breeding reactors. (IA – 1338) 365794
Power generation versus fuel production in light water hybrid reactors. (PPPL – 1319) 361547
Power generation versus fuel production in light-water hybrid reactors. (INIS-mf – 3663) 352650
Prospects for natural-uranium light-water hybrid breeding reactors. (INIS-mf – 3663) 358286
Upper-bound estimation of bilinear functionals in reactor theory. 374136
Greenspan, J.
Polynary uranium alloys. 373199
Powder metallurgy processing of uranium alloys. 373143
Greenstadt, E.W.
Evidence for the control of Pc 3,4 magnetic pulsations by the solar wind velocity. 360210
Greenstein, J.L.
Interpretation of the spectrum of the Red Rectangle. 361699
Greenstock, C.L.
Pulse radiolysis of lactate dehydrogenase. 349692
Report on international conference on singlet oxygen and related species in chemistry and biology. 362283
Greenwood-Smith, R.
Bulk analysis for copper and nickel in ores using gamma-ray resonance scattering. 376278
The total cross section for the reaction ^{24}Mg(α,n)^{27}Si up to 13.1 MeV. 354157
Greenwood, A.
Technical approaches to switching problems associated with fusion research. (EPRI-ER – 376-SR) 361548
Greenwood, L.R.
Chemical Engineering Division fast-neutron dosimetry annual report, July 1975 – June 1976. (ANL – 76-104) 361556
Dosimetry needs for the Magnetic Fusion Materials Program. (CONF-771036 – 6) 377423
Greenwood, R.C.
Absolute gamma-ray intensities in decay of ^{239}Np. (HEDL-TME – 75-130) 351357
Fission product reaction rates for ^{235}U in NBS thermal facility. (HEDL-TME – 75-130) 351368
Fission product reaction rates for CFRMF irradiation of ^{235}U, ^{238}U, ^{239}Pu, and ^{237}Np. (HEDL-TME – 75-130) 351369
Precise relative γ-ray intensities for calibration of Ge semiconductor detectors. 368292
Production rates for fission products for irradiation of ^{235}U, ^{238}U, ^{239}Pu, ^{237}Np in BIG-10. (HEDL-TME – 75-130) 351370
Reaction rates for BIG-10 irradiation of nonfission foil packet. (HEDL-TME – 75-130) 351367
Reports to the ERDA Nuclear Data Committee. (BNL-NCS – 22500) 356685
Greenwood, T.
Nuclear power and weapons proliferation. 358585
Nuclear proliferation: motivations, capabilities, and strategies for control. 365728
Why reprocess. 373119
Greer-Wootten, B.
National assessment of public perceptions and attitudes to nuclear power in Canada. 360439
Greer, J.B.
Improvement of sulfide stress cracking resistance of 12% chromium stainless steels through heat treatment. 362299
Greer, S.C.
Coexistence curve of D_2O + deuterated isobutyric acid. 375459
Gregersen, A.W.
Comparison between phase shift derived and exactly calculated nucleon – nucleon interaction matrix elements. (IS-T – 775) 364503
Gregg, E.C.
Electron attachment to nitro compounds in liquid cyclohexane. 369774
Gregg, P.E.H.
Isotopic studies on the uptake of sulphur by pasture plants. 367569, 367571
Gregoire, M.
Experimental evidence of ion heating by transit time magnetic pumping. 353516
Tokamak discharges in Petula with alumina chamber. (INIS-mf – 3963) 371737
Gregor, J.
Draft method of measuring surface density of foils of various materials. 349950
Gregorkiewicz, T.
Temperature dependence of EPR spectrum parameters for Cdsub(v)Hgsub(1-v)Se crystals. 377197
Gregory, B.C.
Vlasov equilibrium in the KEMP II machine with realistic limits of plasma particle energy and momentum. 356139
Gregory, D.
Absolute cross sections for 2s-2p excitation of C^{3+} by electron impact. 368709
Gregory, G.L.
Evaluation of a hydrogen chloride detector for enviornmental monitoring. 367757
Gregory, M.C.
Development of system hydraulic analytical GETR (SHAG) model used for analyzing incidences of loss of flow. (NEDO – 12628) 362970
Gregory, P.
Mechanisms in anti pp annihilation. 369390
Study of the reaction anti pp → anti pωp at 9.1 GeV/c. 372537
Gregory, P.C.
Model for the quiescent radio emission from Cyg X – 3. 361732
Gregory, S.
Adsorbed oxygen as an amorphous antiferromagnetic system. 367314
Gregory, S.A.
Dwarf ring galaxy. 361744
Gregory, W.
Pressure transients across HEPA filters. 359851
Gregory, W.S.
Ventilation systems analysis during tornado conditions. Progress report, October 1, 1976 – April 30, 1977. (LA – 6999-PR) 373887
Gregson, A.K.
Electron and nuclear spin relaxation in S = 1/2 paramagnetic transition-metal complexes. 355977
Greguskova, M.
Behaviour of ^{3}H-VUL 111 in rat organism. 373669
Greif, R.
UC-B reflood experimental plan. (EPRI-NP – 457) 358205
Greiff, J.
Measurement of the ^{235}U(n,γf) process using characteristic X radiation. 354178
Greig, J.R.
Molecular emissions from laser – solid-target interactions. 371877
Greim, L.
Fast neutron radiography of extended biological and medical objects. 354928
Grein, W.
Analysis of the NN and Nanti N forward scattering amplitudes including information from ππ and πN scattering. 372427
Safety aspects of non-process media supply in a reprocessing plant, illustrated by the example of WAK cooling water supply. 370535
Greiner, A.
Researches with the tandem and the synchrotron. Chapter 1. (CEA-N – 1959) 354198
Greiner, D.E.
Non-peripheral collisions of heavy ions in nuclear emulsion. (LBL – 6562) 356780
Thin window Si(Li) detectors for the ISEE-C Telescope. (LBL – 6434) 379960
Greiner, J.D.
Comparison of the single-crystal elastic constants of Th and a ThC_0/sub ./$_{063}$ alloy. 351752
Greiner, J.H.
Investigation of the thermal cycling of Pb-alloy Josephson tunneling gates. 367914
Greiner, L.
Experimental evidence of channel coupling in the diffraction of gas atoms from crystal surfaces. 368802
Greiner, N.R.
Laser isotope separation. 357865
Greiner, W.
The ^{16}O(^{16}O, ^{12}C)^{20}Ne reaction in the framework of the coupled channel formalism. 354080
The asymmetric two-center shell model and mass distribution in fission. 354088
The dependence of Coulomb fission on nuclear structure. 367000
Further possibilities with Pb-targets for synthesizing super-heavy

elements. 364775
Inner shell ionization in the Pb-Pb quasimolecule. 377120
Interpretation of external fields as temperature. 355808
Ionization, X-rays and positron production in Pb-Pb and U-U collisions. 353192, 376973
K-X-ray spectrum of the Pb+Pb quasimolecules. 377905
On the dynamics of three-body break-up reactions. 366935
The physics of strong fields in quantum electrodynamics and general relativity. 355807
Theory of fragmentation dynamics in nucleus-nucleus collisions. 375108

Greis, O.
Preparation, infrared spectra and X-ray studies of the tetraformates of thorium, protactinium, uranium, and neptunium. 349321

Grejver, T.N.
Behaviour of platinum metals during pyrometallurgical processing of copper-nickel ores and methods of their extraction. 359608
Effect of elementary sulfur on interaction betwen chalcogenides of platinum metals and sulfuric acid. 369630
Study of processes of interaction between sulfides and selenides of rhodium and ruthenium and concentrated sulfuric acid. 369588

Grek, B.
Non-linear interaction of intense CO_2 radiation with dense plasma. 348919
X-ray emission measurements from CO_2-laser-created plasmas. 350921

Grekhova, E.D.
Catalytic reduction of maleic acid on ruthenium electrode-catalyst in excess of hydrogen. 369671

Grekov, N.A.
Heat treatment of large forged products of the VT3-1 titanium alloy. 369898

Grella, A.W.
A review of five years (1971-1975) accident experience in the USA involving nuclear transportation. 350019

Grelot, P.
Experimental evidence of ion heating by transit time magnetic pumping. 353516
Tokamak discharges in Petula with alumina chamber. (INIS-mf – 3963) 371737

Gremina, L.E.
A study of inelastic pion-nucleus interactions at 200 GeV/c in an emulsion. 356481

Gremmel, H.
Isodose determination by X-ray computer tomography in connection with the application of energetic gamma rays. (German (F.R.) patent document 2552018/A/) 370686
Practical experience in using NSD formula for the determination of tolerance doses. 376183
Practical experiments for biophysical dose planning in radiation therapy. 354806

Gren, Kh.G.
Heat transfer and hydraulic of resistance while transverse stream-lining coaxial tube clusters with an artifical roughness. (INIS-mf – 3957) 363100

Grenacs, L.
Average polarization of ^{12}B in $^{12}C(\mu,\gamma)^{12}B$(g.s.) reaction: helicity of the π-decay muon and nature of the weak coupling. 356519

Grenet, G.
Ligand field parameters for europium(III) in gadolinium, yttrium, and lutetium orthovanadates. 355880

Grenier, G.
Measurements of cross sections of the U^{235} and U^{238} fission by prompt neutrons. (INIS-mf – 3896) 356730

Grenier, R.M.
Primary coolant system response to an HTGR core heatup. (GA-A – 14277) 367748

Grenon, M.
Density law, vertical distribution and vertical gradient of metal abundances for G and K giants. 369090

Grensing, G.
Quantised fields over de Sitter space. 350508

Grenz, G.
Improving personnel dosimetry and radiation protection in nuclear power plants. 370647
Personnel monitoring by process computers in nuclear power stations. 355033

Greohukhin, D.P.
Polarization mechanism of parity nonconservation and the weak neutral interaction effect in heavy μ mesic atoms. 374617

Greppo, J.F.
State of the art and perspectives for French reliability studies in the nuclear field. 370536

Gresillon, D.
'Parodie', a large homogeneous stationary plasma. 359034

Gresser, H.
High-current plasma accelerator for the investigation of plasma wall interaction. 350899

Gressner, A.M.
Identification of the tRNA-binding sites on rat liver ribosomes by affinity labeling. 352094

Grestau, F.
On the resonant electron impact excitation of CO_2 in the 4 eV region. 376984

Gresteau, F.
Electron impact excitation of high vibrational levels of the H_2, NO and O_2 ground states. 350621, 353257, 353258, 377024, 377025
Feshbach resonances in electron scattering from NO. 353256, 377023
On the resonant electron impact excitation of CO_2 in the 4eV region. 353208

Gretillat, P.
Comparison of the π^+ and π^- elastic scattering from ^{12}C over the $\pi N(3,3)$ resonance region. 362089

Greupner, H.
Results of comparative measurements of ^{131}I activity. 373933

Grevesse, N.
f-Values and abundances of the elements in the sun and stars. 366667

Grevtsev, V.A.
Anomalous temperature dependence of spin-lattice relaxation of praseodymium nuclei in $Pr_2(SO_4)_3x8H_2O$ monocrystal. 348758

Grevtseva, T.G.
Synthesis and crystal structure of potassium trisulfatouranylate, $K_4[UO_2(SO_4)_3]$. 349328

Grewe, N.
Kirkwood – Salsburg equations for a bounded stable Kac potential. I. General theory and asymptotic solutions. 350509, 350510

Grey, A.J.
Current Australian uranium position. 357466

Grey, R.
Measurements of cross sections for the formation of He^{2+} ions by collisions between protons and He^+. 348721

Greywall, D.S.
Search for superfluidity in solid ^4He. 359196

Grib, A.A.
Particle production and scattering by a non-stationary electromagnetic field in canonical formalism. 348589
Spontaneous breaking of the gauge symmetry in the homogeneous isotropic Universe of open type. 374562

Gribben, R.J.
Slowly varying nonlinear waves in a cold plasma stream. 368953

Gribbin, J.
New Chinese results tie up sun cycles and earth weather. 364328

Gribble, R.F.
Feedback stabilization experiments using l=2 equilibrium windings in Scyllac. (INIS-mf – 3963) 371739

Gribov, B.G.
Saturated vapor pressure of alkoxy-compounds of niobium and tantalum. 351509

Gribov, L.A.
Computer system for structure recognition of polyatomic molecules by i.r., n.m.r., u.v. and m.s. methods. 376846
Study of state of N-methylanabasine-α'-azo-3,4-dimethylphenol and its indium complexes in solutions. 378287

Grice, R.
Product translational energy distributions of methyl radical reactions. 364933

Gricia, P.
An upper limit for the radiative decay width of the J/psi resonance into eta'(958)+γ. 369353

Gridasov, A.P.
High-current generator of nanosecond pulses of electrons and bremsstrahlung. 370746

Gridasov, V.I.
Polarized muon beam with 'variable' helicity. (IFVE-OP-PEF – 76-19) 376367

Gridnev, A.B.
π-meson chanel of the LIYF AS USSR synchrocyclotron. 360721

Gridnev, K.A.
The non-linear Schroedinger equation and anomalous backward scattering. 369418

Gridnev, O.V.
Investigation into durability of EhP-199 alloy and its weldments in ammonia dissociation products. 375729

Gridnev, V.N.
Improvement of steel tensile strength by rapid electroheating. 378631

Griebe, R.W.
Utilization of plant operating experience in new plant designs: a consultant's viewpoint. 352546, 358144

Grieger, G.
The role of fusion in the future of nuclear power: A European point of view. 364203

Griem, H.R.
Some effects of end stoppering on a theta-pinch plasma. 366526

Griem, M.L.
Prognostic classification of Hodgkin disease in pathologic stage III, based on anatomic considerations. 352047

Grier, B.H.
U.S. Nuclear Regulatory Commission Inspection experience with nuclear power plant commissioning. (INIS-mf – 3980) 371275
The United States Nuclear Regulatory Commission's vendor inspection program. (INIS-mf – 3977) 368470

Grier, D.
Modulated fast bump for the CPS continuous transfer. 363221

Grier, D.L.
Models for NADH coenzymes. Isotope effects in the N-benzyldihydronicotinamide/N-bensylnicotinamide salt transhydrogenation reaction. 378425

Gries, W.H.
The controlled incorporation of foreign elements in metal surfaces by means of quantitative ion implantation. 368793

Grieser, F.
Formation and decay kinetics of the 2p levels of neon, argon, krypton, and xenon produced by electron-beam pulses. 378508

Grieser, R.
Kinetic study of the formation of excited States in the pulse

radiolysis of gaseous xenon – iodine systems. 365049
Griffin, J.A.
Magnetic, optical, and magneto-optical behavior of $LiTbF_4$ and KTb_3F_{10} crystals. (UCRL – 79725) 373346
Griffin, J.F.
Safety Analysis Report for Packaging (SARP): USA/9507/BLF (ERDA – AL), Model AL-M1. (MLM – 2447) 379473
Griffin, J.J.
Nuclear Fermi Dynamics: physical content versus theoretical approach. (CONF-770602 –) 372616
Griffin, P.M.
High resolution studies of extensive Ne L-shell excitation by energetic heavy ion impact. 358849
Recoil ion spectroscopy in the XUV – soft X-ray region following heavy ion impact on thin gas targets. 358825
Studies of neon L-shell excitation by impact of highly ionized heavy ions. 358824
Griffin, R.F.
The gravitational field of the galaxy in the Z direction. 369091
Griffin, R.G.
$^{13}C - ^{13}C$ dipolar spectra in solids. 369720
Deuterium nuclear magnetic resonance investigation of the dipalmitoyl lecithin – cholesterol – water system. 378284
Griffin, T.W.
Effect of photon irradiation on blood – brain barrier permeability to methotrexate in mice. 373526
Griffith, J.A.R.
Tensor analysing powers of (d,p) reactions on ^{28}Si, ^{67}Zn, ^{90}Zr and ^{208}Pb at 12.3 MeV. 377964
Griffith, J.D.
Safety related design considerations for large fast breeder plants. (CONF-761001 – P1) 362939
Griffith, R.D.
Electric field sensor studies. (SAND – 77-0502C) 363729
Griffith, R.V.
LLL development of a combined etch track: albedo dosimeter. (UCRL – 79658) 363571
Multi-technique characterization of neutron fields from moderated ^{252}Cf and $^{238}PuBe$ sources. (UCRL – 79483) 370689
Griffith, T.J.
Isotopic exchange of molecular oxygen with the oxygen of nickel molybdate. 375482
Griffith, W.R.
Stirling/hydraulic artificial heart power source. 379393
Griffiths, A.J.
Electron spin resonance spectra of mixed oxides containing uranium and alkaline earth metals. 373287
Griffiths, J.E.
Electron density, temperature, and local thermodynamic equilibrium in low-voltage low-current break arcs: Magnesium. 350825
Grifols, J.A.
Bound-state spectroscopy of superheavy quarks. 372409
Rising cross-sections, unitarity and the failure of VDM. 353812
Grigale, D.A.
Analytical reactions of NO_3^-, VO_3^-, AsO_4^{3-}, MoO_4^{2-} ions with silicon. (INIS-mf – 4188) 375227
Grigaryan, S.C.
Neutral currents in electron-nucleon elastic scattering and the sign of the weak interaction constant. 366844
Griggs, B.
Chemical decontamination and melt densification of chop-leach fuel hulls. 358479
Grigolo, A.
Mortality and sterility induced in Piophila casei by x-ray and neutron irradiation. 357668
Grigor'ev, A.N.
Lattice dislocation of lithium atoms implanted into cadmium sulfides. (INIS-mf – 3996) 364021
Lithium and sodium intersitial distribution in CdS two-component semiconductor. (KFTI – 75-35) 353426
Spatial distribution of defects in silicon doped with lithium ions. (KFTI – 74-47) 353487
Studies of lithium-ion distribution in silicon using a secondary ion-ion emission method. (KFTI – 74-47) 354610
Grigor'ev, A.S.
Effect of non-stationary state of γ approximately Al_2O_3 surface on radiation-catalytic decomposition kinetics of N_2O. 373047
Effect of non-steady state of γ-Al_2O_3 surface on kinetics of radiation-catalytic decomposition of N_2O. 369784
Grigor'ev, A.V.
Low-inductance megampere commutator with using creeping discharge. 363613
Grigor'ev, B.A.
Pilot-industrial production of radiation-modified thermal-shrinkaged "Termoplen" film. (INIS-mf – 4194) 376283
Grigor'ev, E.L.
Angular correlations of low-energy charged particles in nuclear disintegrations by high-energy protons. (JINR – 1-8830) 369356
Grigor'ev, E.P.
Properties of sup(186)Os. 361983
Grigor'ev, G.L.
Current efficiency and composition of alloys during electrodeposition of copper with ruthenium impurity from sulfuric-acid solutions. 349228
Investigation of polarization curves and kinetics of electrodeposition of copper with ruthenium impurity from sulfuric-acid solutions with the method of radioactive indicators. 349227
Separation of uranium and fission products by means of liquid extraction membrane. 378479
Grigor'ev, G.M.
Alpha-particle effect on p-silicon and photoelectric parameters of silicon n-p junctions. (KFTI – 74-47) 353394
Grigor'ev, I.P.
Tungsten content effect on the mechanical properties of the Ti-3Al-3Zr alloy. 375849
Grigor'ev, N.B.
On effect of specific interaction of solvent with electrode metal on structure of double electric layer and adsorption. 375407
Grigor'ev, N.S.
Detektors of ionizing radiation on the bases of cadmium telluride. (INIS-mf – 3994) 379851
Grigor'ev, P.G.
DF-CO_2 chemical amplifier of light short pulses. 376328
Grigor'ev, V.A.
Scintillation coordinate-sensitive detector with a high time resolution. 358348
Grigor'ev, V.D.
Cadmium recrystallization in the process of zone refining. 365120
Grigor'ev, V.K.
On rolling of alloyed steels on the continuous light-section mill 250. 375767
Study of $\pi^-p \rightarrow K_1^0K_1^0n$ reaction at 50 GeV/c momentum. 369357
Grigor'ev, Yu.M.
Kinetics of heat release in high temperature nitriding of titanium. 369969
Study of nitriding of zirconium and niobium wires. 359998
Grigor'ev, Yu.V.
Fast-response fission ionization chamber with ^{235}U radiators. 358347
Grigor'eva, A.Z.
Application of gamma neutron logging for search of ore bodies buried under alluvium. 354655
Grigor'eva, L.P.
Extraction of hafnium rhodanides by cyclohexanone from hydrochloric-acid solutions. 351586
Grigor'eva, M.F.
Amperometric determination of vanadium(3) and vanadium(4) in glasses. 356944
On interaction of vanadium of different oxidation degree with benzohydroxamic acid. 362125
Grigor'eva, S.I.
Metagalactic nuclei with superhigh energies. 356188
Grigor'eva, V.V.
Niobium (5) malate complexes. 369631
Grigor'evskij, V.I.
Effect of transverse drift of charge carriers on acoustoelectron interaction in piezoelectric-semiconductor laminated structure. 371609
Grigor'yan, Yu.I.
Decay of ^{115}Cd and sup(115m)Cd. (IAE – 2414) 354199
Grigor'yants, A.N.
Development of the nuclear power industry in the USSR. 366134
Grigor'yants, R.R.
Nuclear hybrid plant with laser fusion reactor. (INIS-mf – 3963) 353556
Grigor'yants, V.V.
On the electronic excitation of laser materials with high concentration of rare earth activators. (INIS-mf – 3955) 361425
Grigorashchenko, O.N.
Study on electron collisions with helium metastable atoms in afterglow cryogenic plasma. (INIS-mf – 3915) 368641
Grigorchuk, N.I.
Shape of exciton absorption bands and of light dispersion for CdS-type crystals. (KIYI – 76-13) 364022
Grigorenko, G.M.
Nitrogen interaction with liquid metal during remelting of "consumable plasmatron". 365125
Grigorenko, N.M.
Coolant purification system of high-temperature gas cooled reactors. 350237
Grigorescu, L.
Standardization of electron-capture and complex beta-gamma radionuclides by the efficiency extrapolation method. (INIS-mf – 4023) 379383
Grigorian, A.
Measurement of the electron – deuteron elastic scattering cross section in the range 0.8 less than or equal to q^2 less than or equal to 6 GeV^2. (SLAC-PUB – 1596) 361869
Grigoriev, E.A.
Further search for muonic pairs in the neutrino and antineutrino beams at the IHEP 70 GeV accelerator. 353927
Observation of muon pairs in neutrino interactions at Serpukhov 70 GeV accelerator. 361870
Grigoriu, C.
Postcritical-density stationary plasma on highly absorbant (metallic) targets in vacuum under TEA-CO_2 laser radiation. 366496
Grigorov, N.L.
An experiment to study electrons of solar origin by Prognoz satellites. 348997
Measurements of effective cross-section of inelastic interaction of high-energy protons with nuclei. 361700
On fluxes of secondary protons at Ek > 500 MeV on altitudes of 200-300 km. 376040
Spectrum of high energy γ-rays at 690 Gcm^{-2} atmospheric altitude. 359089
Grigorov, V.A.
Spectral transformation of radiation in lanthanum chloride monocrystals activated by praseodymium and neodymium. (INIS-

mf – 3955) 378281
Grigorov, V.P.
Study on dispersity of radiactive aerosols at the Novo-Voronezh nuclear power plant. 361101
Grigorova, T.K.
On the adsorptive capacity of birch activated carbon. (KFTI – 75-10) 352379
Grigorovich, G.M.
On the mechanism of appearance of yellow photoluminescence in zinc telluride. 374678
Grigorovich, V.K.
Hydroextrusion influence on structure and some properties of niobium strengthened by dispersive carbide phase. 373267
Hydrostatic extrusion effect on plasticity of carbide-strengthened niobium alloys. 357327
Grigoryan, F.A.
A new radio source in the Monocerotis. 377627
Grigoryan, L.A.
Comparison of models in the complex momenta theory as applied to PIdeg-messon photoproduction on ^{4}He nucleus. (EFI – 101(74)) 361808
Grigoryan, V.A.
Determination of π^{-12}C total cross section at 4.9GeV/c. (EFI – 211(3)-77) 375057
Peculiarities of deep decarburization in Fe-Cr-C and Fe-Mn-C melts during argon (nitrogen)- oxygen flow-down. 357233
Grigoryants, A.N.
Ten years' operation experience of the Novovoronezh nuclear power plant. 368141
Grigull, R.
Elastic π^0 electroproduction above the resonance region. (DESY – 77/42) 364562
Electroproduction of neutral pions and test of the quark-parton model. 356394, 364561
Grilhe, J.
Climb model of extended dislocations in f.c.c. metals. 357415
Grilli, M.
Electron-positron bremsstrahlung at ADONE. A new limit for the existence of a heavy electron. 361767
Grillo, A.F.
Electron-positron bremsstrahlung at ADONE. A new limit for the existence of a heavy electron. 361767
Radiative asymmetry in e+e- →μ sup(+)μsup(-) near a narrow resonance with polarized beams. 353810
Grillo, L.
Model magnet for the proposed superconducting cyclotron at the University of Milan. 363126
Grilly, E.R.
Development of cryogenic targets for laser fusion. (LA-UR – 77-1523) 358948
Grimanis, A.P.
Instrumental neutron activation analysis of "melian" potsherds. 372863
Grimberg, M.
Organization and development of the Brazilian nuclear programme. 371331
Grimes, S.M.
Detection system for charged particles produced by neutrons. 379854
Hydrogen and helium production cross sections for 15-MeV neutrons on types 316 and 304 stainless steel. 351361
Measurement of the proton spectrum from the ^{2}H(n,p)2n reaction at 13.98 MeV and the neutron-neutron scattering length. 351360
Grimesey, R.A.
Determining equal probability steps for Monte Carlo elastic angular data. 359349
Grimm, E.A.
High-density fuel storage for boiling water reactors. 352632
Grimm, H.
A neutron investigation of the low temperature structure of $RbH_3(SeO_3)_2$. 371607
Upper frequency limit for proton transfer in imidazole. 364981
Grimm, H.H.
Cooling tower. (German (F.R.) patent document 2520221/A/) 358080
Grimm, H.J.
New information about the kaon-nucleon-hyperon coupling constants g(anti KNΣ(1197)), g(anti KNΣ(1385)) and g(anti KNΛ(1405)). 356497
Grimm, M.
A detector for high-energy neutrino interactions. 379899
Is there a high-y anomaly in antineutrino interactions. 351222
Like-sign dimuon events produced in narrow-band neutrino and antineutrino beams. 356512
Measurement of the neutral to charged current cross section ratio in neutrino and antineutrino interactions. 361888
Observation of trimuon events produced in neutrino and antineutrino interactions. 356511
Study of inclusive neutral current interactions of neutrinos and antineutrinos. 369377
Grimm, P.
Owner's quality assurance as a tool for technology transfer. 352612, 358163
Grimm, R.C.
Dynamical grid method for time dependent simulations of axisymmetric instabilities in tokamaks. (PPPL – 1359) 356121
Grimstone, M.J.
Improved facilities for response matrix adjustment in RADAK. (AEEW-M – 1483) 376631
Grimus, W.
Phenomenology of weak neutral currents with longitudinal cross sections. 369288
Grimwood, P.
Modelling studies used to evaluate waste disposal options. 376766
Grin', V.F.
Study of emission recombination near the absorption edge in CdS:In, Cd and CdS:Cd films. 365009
Grin'ko, L.S.
Electric conductivity of melts of mutual system KNO_3-$CsNO_3$-KNO_2-$CsNO_2$. 378375
Grinberg, M.
Organization and development of the Brazilian nuclear programme. 371331
Grinberg, N.A.
Phase structure effect of deposited metal of some alloys on the abrasine resistance. 375838
Grinberg, N.M.
Causes of increasing the Armco iron durability in vacuum. 365153
Grinberg, O.Ya.
Radical pairs during solid paraffins radiolysis: mechanism of radiolytic birth and postradiational decay. 362257
Grinchishin, Ya.T.
Lepton production of hypothetical scalar PHI^{++} meson on nuclei at high energies. 364504
Grinchuk, P.P.
Neutron irradiation effect on the stability of Guinier-Preston zones and precipitates in the nickel-beryllium alloys. (KFTI – 75-35) 354611
Grindhammer, G.
Evidence for the F meson. 353947
Measurements of tau decay modes and a precise determination of the mass. 372505
On the origin of inclusive electron events in e+e- annihilation between 3.6 and 5.2 GeV. 353772
On the semileptonic decay of charmed hadrons. 356496
Grindlay, J.
Observations of Cygnus X-3 by ANS. (CONF-7510169 –) 364392
X-ray spectroscopy with the ANS satellite. (CONF-7510169 –) 364401
Grindlay, J.E.
Globular cluster X-ray sources. 369092
Observations of Cygnus X-1 in its two intensity states by ANS. (CONF-7510169 –) 364393
Griner, C.S.
Compositional variations in the undercooled Pb – Sn eutectic solidified at various acceleration levels. 362419
Grinevich, I.A.
Ethylene interaction with carboxylic acids. 362282
Telomerization of ethylene by capronitrile under γ-irradiation. 375706
Grinevich, N.A.
Sputtering of thin layers of triuranium octoxide under the action of fission fragments for small radiation doses. 358861
Grinevitskij, G.Z.
Application of the code aerial gamma-spectrometer AGS-4K and "Aehropoisk-2" algorithm in prospecting for gold (on the example of one of the sections of Okhotsk-Chukotsk volcanogenous belt). 362577
Gringauz, K.I.
Radial dependence of the electron temperature at heliocentric distances from 1 a.u. to 1.5 a.u. according to the data obtained by measurement in the 'Mars-3' spacecraft. 366701
Grinis, L.N.
Radiation-catalytic alkylation of benzene. 373077
Grinman, M.I.
Nuclear power plant. (Soviet patent document 431559/A/) 350256
Grinshtejn, Yu.A.
Determination of molybdenum and tungsten concentrations in bedrocks by x-ray radiometric method. 349619
Grinsted, M.J.
The D/H ratio of cellulose as a biochemical thermometer: a comment on 'Climatic implications of the D/H ratio of hydrogen in C-H groups in tree cellulose' by S. Epstein and C.J. Yapp. 362623
Grinval'd, I.I.
On the content of homologues and isomers of bisethylbenzenevanadium in products from Fischer synthesis. 369729
Grisaru, M.T.
The axial anomaly for spin 3/2 fields. 361272
Cancellation of the supercurrent anomaly in a supersymmetric gauge theory. 361242
Reggeization of scalars and dual model structure of Yang-Mills theory. 371381
A supercurrent anomaly in supergravity. 371335
Grishaev, I.A.
The application of TEhN-30 electrocharged pumps in vacuum system of linear electron accelerator. (KFTI – 75-10) 355188
Bremsstrahlung spectra for 1 GeV electrons and positrons in silicon, germanium and niobium crystals. 368794
Channels for vacuum ultraviolet radiation extraction from the N-100 storage ring. 370747
Klystron autogenerator with a low SHF pulse delay time. 357938
Measurement of the efficiency of semiconductor radiation damage affected by a pulsed electron beam. (KFTI – 75-35) 353395
Study on isotopic effect in charged pion photoproduction on nuclei. 349093
Grisham, D.L.
Solution for remote handling in accelerator installations. 363175

Grisham, L.R.
Effect of emission aperture shape upon ion optics. 350859
Free-expansion experiment on ATC. 371878
Production of low energy positive ions suitable for double electron capture systems. (CONF-770940 – 11) 372088
Grishanov, B.I.
High-power nanosecond resistances. 376699
High-voltage nanosecond pulse generator with a symmetrical output. 376700
Grishchenko, A.L.
Algebraic approach to the description of particle motion in extermal fields. 348590
Grishchenko, S.G.
Investigation into the process of ferrovanadium nitridation. 369958
Grishchenko, V.F.
Distribution of paramagnetic centers and implanted atoms produced in silicon by ^{235}U fission fragments. (INIS-mf – 3996) 364023
Electrochemical behaviour and molecular state of tellurium oxide in melts. (INIS-mf – 4189) 375460
Investigation of tellurium electrodeposition from chloride and oxychloride melts. (INIS-mf – 4189) 375461
Grishin, G.V.
Gamma-spectrometric study in Volgogradskoe Zavolzh'e. 365282
Grishin, N.G.
Study on the partial inelasticity coefficients in π^-P, π^-n and $\pi^{-12}C$-interactions at 40 GeV/c. (JINR-R – 1-8718) 364556
Grishin, S.F.
The "Grad-2" facility for ultrahigh vacuum production. (KFTI – 75-10) 357909
The choice opf a facility for the determining of the cryogenic deposit absorptivity. (KFTI – 75-10) 357910
Cryogenic vacuum system of the "Jupiter-2T" facility: project and model experiments. (INIS-mf – 3954) 361549
High-purity preevacuation vacuum pumping. (KFTI – 76-21) 357911
Grishin, V.G.
Inclusive production of resonances and two-particle correlations in the π^-N interactions at 40 GeV/c. (JINR-D – 1,2-10400(v.1)) 377805
Multiplicity of secondary charged particles in π^-p and π^-n interactions at 40 GeV/c. 369343
Study on the π^- ^{12}C interactions at 40 GeV/c with backward proton emission on the laboratory system. (JINR-R – 1-8566) 359330
Two-particle correlations of charged particles and γ quanta in the π^-n interactions at the momentum of 40 GeV/c. 375059
Grishin, V.K.
On experiments with beams in a inhomogeneous longitudinal magnetic field. 360723
Grishin, V.P.
Certain properties of silicon alloyed with gadolinium. 365154
Second phase inclusions in silicon doped with samarium. 362375
Grishin, V.V.
Automatic welding using narrow speit joint of high-tensile steels and titanium alloys. 375792
Grishina, E.Ya.
The "Grad-2" facility for ultrahigh vacuum production. (KFTI – 75-10) 357909
The choice opf a facility for the determining of the cryogenic deposit absorptivity. (KFTI – 75-10) 357910
Cryogenic vacuum system of the "Jupiter-2T" facility: project and model experiments. (INIS-mf – 3954) 361549
High-purity preevacuation vacuum pumping. (KFTI – 76-21) 357911
Grishina, T.A.
Electron microscopy study of the structure of polycrystalline layers prepared on cadmium sulfide base. 356989
Grishkevich, Ya.V.
High-voltage supply system for a streamer chamber on a pulsed transformer. 371102
Grishkov, A.I.
Cold-rolled sheets production of stainless martensito-ageing steel smelted by vacuum arc and electroslag techniques. 349412
Grison, P.
Two-phase performance characteristics of a PWR primary pump under LOCA conditions. 376512
Griswold, G.B.
Chemical analyses of potash-bearing horizons from 21 exploratory holes drilled at a tentative site for the Waste Isolation Pilot Plant, Eddy County, New Mexico. (SAND – 77-1217) 368398
Site selection and evaluation studies of the Waste Isolation Pilot Plant (WIPP), Los Medanos, Eddy County, NM. (SAND – 77-0946) 380049
Gritmon, T.F.
The complexation of lanthanides by aminocarboxylate ligands. 364936, 364952
Gritsaenko, V.P.
The investigation of boron oxide heat conductivity. 360019
Gritsak, A.N.
Erythropoietic activity of the plasma of irradiated animals. 379015
Gritsenko, M.M.
Luminescent-generation properties of Nd^{3+} ions in $YGaO_3$ and $Y_3Ga_5O_{12}$ crystals with garnet structure. (INIS-mf – 3955) 362164
Gritsishin, V.I.
Estimation of criteria of boundary values of geophysical exploration parameters for the reservoirs of the Prikarpatje deposits. 357467
Gritsuk, M.V.
Superconducting magnets for shaping beams of particles with a small life-time. (ITEF – 93(1975)) 374095
Gritsyna, V.I.
Dependence of the radiation defect formation in KCl crystals on the electron beam intensity and duty ratio. (KFTI – 74-47) 353427
Gritsyna, V.P.
Studies of adhesion properties in proton-irradiated silver films. (KFTI – 74-47) 354605
Gritsyna, V.T.
Charge in adhesion properties of thin films following 10 MeV electron irradiation. 349585
Gritsyna, V.V.
On the spatial intensity distribution of the continuous spectrum emitted by particles ejected from metals by an ion beam. (INIS-mf – 3996) 364047
Gritton, D.G.
25 megajoule energy storage and delivery system for the Shiva laser. (UCRL – 79700) 374819
Gritzmann, P.G.
Improvements in or relating to nuclear fusion reactors. (UK patent document 1483054/A/) 350834
Gritzner, M.L.
Borehole model calculations for direct uranium measurement with neutrons. Final report. (GJBX – 44(77)) 362591
Grjazev, V.M.
Investigation of the performance of uranium-plutonium mixed oxide fuel pins for the reactor BN-600. 355463
Grob, A.
Energy deposition profiles of heavy ions in silicon. (CRN-CNPA – 77-6) 353259
Spatial distributions of energy deposited by heavy ions into nuclear collisions. (INIS-mf – 3996) 366416
Terrestrial silicon P-N junction solar cells obtained by ionic-implantation. (CRN-CNPA – 77-7) 355559
Grob, J.J.
Energy deposition profiles of heavy ions in silicon. (CRN-CNPA – 77-6) 353259
Spatial distributions of energy deposited by heavy ions into nuclear collisions. (INIS-mf – 3996) 366416
Terrestrial silicon P-N junction solar cells obtained by ionic-implantation. (CRN-CNPA – 77-7) 355559
Groboth, G.
A video-amplifier device for the transmission-type electron microscope ELMISCOP I of Siemens. (SGAE – 2406) 358422
Grobsky, K.
Spin-wave temperature dependence of gadolinium. (IS-M – 112) 373200
Groch, M.W.
A simple magnifier-rotator for enhanced visualization of nuclear medicine images. 361069
Grochalska, B.
Fluctuations of the muon to electron ratio in extensive air showers. 356222
Grochowski, F.A.
CRBRP flow induced vibration program. (CONF-770933 – 1) 363520
Grodinskij, I.M.
Radiation action on physicochemical properties of bismuth-molybdenum catalyst in oxidative ammonolysis. 373093
Grodko, V.A.
Surface diffusion of refractory metal atoms over polycrystal rhenium. 349473
Grodkowski, J.
Correlation between radiation absorbed dose and electrical parameters of electron linac operation (LAE 13/9 in Warsaw). 379483
Grodnenskij, I.M.
Phase transformations in (Pb,La)(Zr,Ti)O_3 ferroelectric solid solution. 377307
Size and concentration of scattering centers in (Pb, La)(Zr, Ti)O_3 solid solution. 348858
Groebner, O.
ISR clearing current monitoring system. 363243
Groegler, N.
On the chemism of grain size fractions of the lunar rock 14305. 364883
Groehn, H.G.
Thermodynamic and fluidic properties of an LWR intermediate-superheater model consisting of low-finned tubes. 370914
Groen, O.
Rotating frames in special relativity analyzed in light of a recent article by M. Strauss. 368546
Groenberg, Thomas
Experimental evaluation of organ doses from exposure to sup(99m)Tc, ^{123}I and ^{131}I. 370648
Groenefeld, G.
The emergency cooling system of the KNK-II reactor. 376589
Groenenboom, M.
Zero-flux dc current transformer: a high precision bipolar wide-band measuring device. 363140
Groeneveld, D.J.
Tritium analysis of environmental water. 373438
Groeneveld, K.-O.
High resolution studies of extensive Ne L-shell excitation by energetic heavy ion impact. 358849
Recoil ion spectroscopy in the XUV – soft X-ray region following heavy ion impact on thin gas targets. 358825
Groeneveld, K.O.
Coulomb explosion seen from Auger lines in heavy ion bombardement of C, N and O containing molecules. 358781
Studies of neon L-shell excitation by impact of highly ionized heavy ions. 358824

Groeneveld, L.D.
Coulomb explosion seen from Auger lines in heavy ion bombardment of C, N and O containing molecules. 377075
Groenier, W.S.
Retention of gaseous fission products in reprocessing LMFBR fuels. (IAEA-AG - 63-2) 362322
Groenvold, F.
Actinoid pnictides. 359722
Groer, P.G.
Optimizing measurement sensitivity to facilitate monitoring environmental levels of Rn-daughter concentrations. (CONF-771023 - 14) 378925
Some remarks on exact methods for WL and ^{222}Rn-daughter determination. (HASL - 325) 378916
Theory of the induction of bone cancer by alpha radiation. 349787
Groessinger, R.
Search for magnetic order in selected pseudobinary systems down to millikelvin temperatures. 371604
Groetzbach, G.
Considerations on a PAHR test facility. (CONF-761001 - P1) 362870
Groff, J.
Enhancement of the non-tryptophan fluorescence of human lens proteins after near-UV light exposure. 360238
Grogan, W.M. Jr.
Fatty acid synthesis in human testis incubated with [1-^{14}C] acetate. 367618
Groh, J.L.
Electron scattering from oxygen-18 and argon-40. 358750
Groh, P.
Internal friction peaks due to dislocation relaxations in plastically deformed and/or irradiated high-purity α-iron. 1. 348792
Grohmann, F.
Spatial variability of physical properties of tropical soil. (CENA-BT - 004) 354672
Spatial variability of physical properties of a tropical soil. (CENA-BT - 005) 357494
Grohmann, K.
Field attenuation as underlying principle for cryo current comparators. 360724
Magnetic shielding by superconducting simple and coaxial cylinders: a comparison. 349990
Grokhovskij, V.S.
Investigating cavitation and cavitation-fatigue strength of alloys and metals at high-frequency loading. (INIS-mf - 3914) 349367
Methods for studying the cavitation-fatique strength of metals under ultrasonic frequency of loading in surfactants and at elevated pressure. (INIS-mf - 3914) 350100
Groll, M.
Heat transfer device. (German (F.R.) patent document 2350980/A/) 357900
Heat transfer equipment. (German (F.R.) patent document 2350980/B/) 352368
Groll, P.
Automation of analytical processes. A tool for higher efficiency and safety. 359552
Grolmes, M.A.
Advanced fuels safety comparisons. 379248
Analytical and experimental studies of transient fuel freezing. (CONF-761001 - P4) 362914
Assessment of fuel failure propagation in LMFBRs. (CONF-761001 - P3) 365546
Final report on TREAT Test R3, a single-pin loss-of-flow experiment. (ANL - 77-54) 379251
In-pile experiments and test facilities proposed for fast reactor safety. (CONF-761001 - P2) 362940
Multichannel cladding relocation model for loss-of-flow accidents in LMFBRs. 352248
Safety issues for advanced-fueled LMFBRs. (CONF-761001 - P3) 365597
The SAREF program. (CONF-761001 - P1) 362854
A simple forced diversion model for study of thermal-hydraulic transients in LMFBR subassembly. 374240
Some aspects of mixing in large-mass, energetic fuel-coolant interactions. (CONF-761001 - P4) 362887
Summary and evaluation of R-series loss-of-flow safety tests in TREAT. (CONF-761001 - P4) 363018
Grom, A.
Induction of dominant lethal mutations by gamma irradiation of Gallus domesticus spermatozoa. 352027
Gromes, D.
Effective Hamiltonian for charmonium and similar two-fermion systems. 372428
On the effective quark potential in baryons. 366845
Gromov, A.E.
Changes in the electric charge of the blood under acute radiation injury. 379016
Gromov, A.I.
Study of film data processing systems by means of a statistical simulation. (INIS-mf - 3909) 374521
Gromov, A.K.
Investigation of mechanism of radiationless relaxation of excited states of Er^{3+}, Ho^{3+}, Tm^{3+}, Nd^{3+}, Yb^{3+} ions in glass of different composition. (INIS-mf - 3955) 378269
Spectroscopic and laser characteristics of ultraphosphate neodymium glass. (INIS-mf - 3955) 362144
Gromov, B.V.
Adsorption of strontium 90 by krill. 360358
Gromov, G.V.
Volume steam compensator. (Soviet patent document 453123/A/) 355306
Gromov, K.
The decay of ^{167}Lu(Tsub(1/2)=55 min)^{167}Yb. 354200
Gromov, K.Ya.
Coindicence spectrometer. (Soviet patent document 424256/A/) 355532
Excited states of ^{163}Er, populated in the ^{163}Tm decay. 377950
Response function correction for a magnetic beta spectrometer. 376618
Study of beta-spectra by means of the ST-2 ironless beta-spectrometer with a toroidal magnetic field. (JINR-R - 13-10611) 358363
Gromov, L.S.
Device for control of heavy charged particle range before the irradiation object. (Soviet patent document 420298/A/) 352398
Gromov, V.E.
Dynamics of dislocations in alkaline haloid crystals with bivalent impurities. 366487
Gromov, V.V.
Action of ionizing radiation on dissolution processes. 369786
Dissolution of uranium oxides in gamma radiation field. 373050
Gamma radiation effect on solubility rate of uranium oxides in sodium carbonate solutions. 362261
Investigation of optical active centres of the irradiated lithium niobate. 359786
Oxidation of uranium dioxide in solid phase under gamma radiation action. 373049
Uttrium-90 incorporation into krill. 349794
Gromov, Yu.A.
Study on angular characteristics and multiplicity of secondary particles in cosmic hadron interactions with nuclei at mean energy 400 GeV. 361871
Gromov, Yu.V.
Radiographic inspection of atomic power station units with the help of a microtron. 376274
Gromova, A.I.
Behaviour of corrosion products of reactor materials. 375393, 375725, 375726, 375727
Behaviour of perlite steels in nonagressive media at room temperature. 354464
Gromova, I.A.
Relation between coefficients of dynamic viscocity of heavy and fresh water in a liquid phase. 375936
Gromova, I.I.
Gas-thermochromatographic method for astatine separation. Relative yield of astatine isotopes from uranium. 378495
Gromova, N.P.
Preparation of carrier-free terbium-155. 370670
Gronau, D.
Routine reactor physics measurements in PWR reloading cores. 370797
Groneman, A.F.
Radiation chemistry approaches to conditioning of sewage sludge: results and mechanisms of action. (INIS-mf - 4220) 378515
Radiation for pollution control. (INIS-mf - 4220) 378515, 379095, 379407, 379408, 379409, 379412, 379414, 379415, 379416, 379418
Radiation inactivation of animal viruses in culture fluid and sewage; a case study. (INIS-mf - 4220) 379095
Gronenschild, E.
Measurements of A0620-00 with ANS. (CONF-7510169 -) 364290
Observations of Cygnus X-3 by ANS. (CONF-7510169 -) 364289
Gronenschild, E.H.B.M.
Measurements on a supernova remnant by ANS. (INIS-mf - 4267) 377610
Gronhovd, G.H.
Technology and use of lignite. (GFERC/IC - 77/1) 379618
Gronow, W.S.
Operational experience in the United Kingdom. (INIS-mf - 3966) 380105
Regulatory inspection of nuclear power plants in NEA member countries. (SINDOC - 77-91) 374486
Groom, D.E.
Search for narrow resonant states in e^+e^- collisions near 6 GeV. 351208
Groom, G.V.
The measurement of human gonadotrophins by radioimmunoassay. 357689
Groos, E.
Fission product release from coated particles embedded in spherical fuel elements for high-temperature reactors. 365916
Irradiation tests of THTR fuel elements in the DRAGON reactor (irradiation experiment DR-K3). (Juel - 1408) 355417
Groot, B. de
Skin heating and confinement in a tokamak plasma. (INIS-mf - 3963) 371916
Groot, D.G. de
A KKRZ calculation on indium. 353481, 355987
Groot, E.H. de
Quantum statistics and the uncorrelated jet model at high energy. 369289
Groot, S.R. de
The laws of relativistic thermodynamics. III. 361273
Gropyanov, V.M.
Material for evaporators (crucible). (Soviet patent document 485175/A/) 349388
Gros, Cl.
Endorplims in several regions of rat brain: large differences between radioimmunoassay and radioreceptor assay. 354946
Gros, F.
Radioimmunoassay for tubulin detection. 362799

Gros, M.
An acceleration evaluation of the performance of the Soviet-French wide-gap spark chamber for gamma-ray astronomy. 368266
Gros, Roger
The metabolisme of tritiated water in the rat. (CEA-R – 4861) 354848
Groshev, L.V.
Storage of ultracold neutrons in copper vessels. (JINR-R – 3-9534) 349137, 354007
Groshik, I.I.
T-p-x phase diagram of SbSIsub(x)Brsub(1-x) solid solutions. 350715
Groskreutz, H.E.
Moessbauer study of iron in mica. 371656
Gross, B.
Electron beams as virtual electrodes. (INIS-mf – 4127) 364085
Gross, D.J.
Instantons and massless fermions in two dimensions. (COO – 2220-110) 361775
Gross, E.E.
Inelastic scattering of π^+ Mesons from nuclei at 50 MeV. 369493
Gross, H.
Pressure vessel, particularly nuclear reactor pressure vessel. (German (F.R.) patent document 2457661/A/) 355278
Gross, M.B.
Evaluation of explicit finite-difference techniques for LMFBR safety analysis. (CONF-761001 – P3) 365520
Gross, P.G.
Doppler-shift distributions. I. Extragalactic Peculiar motions. 351019
Gross, R.
Rotational bands from shell model Hamiltonians. (WIS-Ph – 77/12) 366937
Gross, R.A.
Effect of hydrogen (deuterium) on properties of fusion power reactor first wall alloys. (COO – 4393-01) 371980
Shock-tube study of fusion plasma-wall interactions. (COO – 2456-47) 361550
Gross, S.
Effects of fuel-sodium interaction in TOP tests with electrically heated fuel pins. (CONF-761001 – P4) 362871
Gross, W.
Crystal fields in PrX_3(X = In,Tl,Pb,Sn) intermetallic compounds with Cu_3Au structure. 378632
Grossbeck, M.L.
Hydrogen embrittlement of Nb. I. Macroscopic behavior at low temperatures. 357187
Low temperature hydrogen embrittlement of niobium. II. Microscopic observations. 357278
Grosse, E.
Coulomb excitation of deformed nuclei using very heavy ions. (ZfK – 336) 364750
Doppler shift measurement of differential K-vacancy production cross sections in heavy collision systems. 353255, 377022
Recoil distance investigation of yrast states in ^{158}Dy. (ZfK – 336) 364749
Grosse, G.
Energetic interaction of noble gases on tungsten in the range between 1000 K and 2000 K. 369959
Grosse, H.
Exactly soluble system of relativistic two-body interaction. 372499
On the absence of bound states for three body systems. 356420
On the order of levels in charmonium-like models. 377734
Grosser, E.D.
Influence of creep-fatigue interaction on behaviour of type 304 stainless steel. (IWGFR – 11) 355218
Grossi, G.
Considerations on nuclear transmutation for the elimination of actinides. 358470
Grossman, H.
Born approximation calculations of the Compton defect in aluminum. 371518
Grossman, L.
Plasma cell leukemia following treatment with radiotherapy and melphalan. 362697
Trace elements in the Allende meteorite. 354656
Grossman, L.M.
Development of a nuclear engineering computer code workshop. 379601
Grossman, L.W.
Time-resolved production and detection of reactive atoms. (ORNL/TM – 6014) 371490
Grossman, M.W.
H^- ion source diagnostics. (BNL – 23649) 379496
Grossman, Z.D.
Myocardial uptake of /sup 99m/Tc skeletal agents in the rat after experimental induction of microscopic foci of injury. 373673
Grossmann-Doerth, U.
Spectral investigation of the chromosphere. VI. 372177
Grossmann, O.
Electron spin resonance investigation of V_3O_7(VOsub(2.33)). 349223
Grossmann, P.
A study of inclusive Ξ^- production from K^-p interactions at 4.2 GeV/c. 353964
Total cross sections for charged-current neutrino and antineutrino interactions in BEBC in the energy range 20-200 GeV. 353945
Grossmann, R.
Preparation of isotopically enriched mercury targets. (LA – 6850-C) 370742
Grossmann, W.
End loss reduction in linear devices by means of oscillating multiple mirrors. (IPPJ – 285) 366547
Grosso-Pilcher, C.
Measurement of the branching ratio GAMMA (K/sub L/ → $\pi^+\pi^-$)/GAMMA (K/sub L/ → all). 359336
Measurement of the decay rate for the rare process K/sub L/^{0} → $\mu^+\mu^-$. 351231
Grotch, H.
Nonrelativistic quantum mechanics and the anomalous part of the electron g factor. 350511
Groth, E.J.
Statistical analysis of catalogs of extragalactic objects. VII. Two- and three-point correlation functions for the high-resolution Shane-Wirtanen catalog of galaxies. 372178
Grotloh, Kh.
Back pressure – tight main steam isolating valves for PWRs. 365887
Grotwoski, K.
Backward emission of ^{8}Be in the (α,^{8}Be) reaction and possible connection with ALAS. (INP – 898/PL) 372736
Groult, D.
New family of ternary niobium oxide with $A_3M_8O_{21}$ structural form. 354586
Grout, H.J.
Development of a supporting industrial infrastructure. 352547
Grover, A.K.
NMR studies in some $REPt_3$ alloys. 366417
Grover, F.H.
A survey of atmospheric wave recording at Blacknest. (AWRE-O – 51/77) 360670
Grover, J.R.
Reconciliation of crossed-beam results on the hydrogen exchange reaction. 377129
Groves, M.D.
Bottom actuated reactor control rod devices. 358094
Control of a nuclear reactor with absorber rods which can be inserted and withdrawn. (German (F.R.) patent document 2337716/C/) 355342
Hydraulic system for nuclear reactors with hydraulically driven control rods. 358096
Isolation valve and control system employing the same. 358089
Grozdanov, M.
An empirical method of quantitative analysis in depth-selective ME-spectroscopy. 369527
Grozdanov, T.P.
Charge exchange of multiply charged ions in slow collisions with atoms. 358751
Gruber, E.E.
Generalized parametric model for transient gas release and swelling in oxide fuels. 368205
Gruber, G.
Nuclear reactions of 24 MeV ^{7}Li on ^{10}B. 356803
Gruber, J.
Highly enriched lithium, a material to reduce the tritium inventory and the activation of structural materials in fusion reactors. 368954
Gruber, J.B.
Electrical and thermal transport measurements on semimetallic rare earth sesquisulfides. 360032
Electrical and thermal transport properties of single crystal rare-earth sequisulfides. 357391
Gruber, K.
Fuel element fabrication and quality control. 376557
Plutonium recycling in LWR reactors. 371255
Gruber, O.
Toroidal confinement with reduced energy losses in Belt-Pinch IIa. (INIS-mf – 3963) 371743
Gruber, R.
Application of ideal MHD stability code Erato to high beta tokamak equilibria. (INIS-mf – 3963) 371819
Effect of current peaking on non-circular uniaxial tokamak equilibria. 348883
Limitation of the toroidal current of a Tokamak discharge in the MHD approximation. 377346
Numerical MHD stability calculations of a D-shaped elongated, small aspect ratio tokamak. (INIS-mf – 3963) 371749
Numerical study of the effect of current peaking on the MHD stability of a small aspect ratio tokamak. (INIS-mf – 3963) 371748
Stability of the axisymmetric modes of a Tokamak discharge. 377345
Stabilization of a Tokamak discharge by an external conducting screen. 377349
Grubin, A.A.
Absolute intensities of spectra of glass with rare earth ions. (INIS-mf – 3955) 362167
Grubmueller, G.
Thermogenerator. 352357
Gruca, S.
Ingestion and digestion of erythrocytes by non-irradiated and irradiated macrophages. 373492
Grudkin, K.A.
Effectiveness of geophysical exploration techniques in determination and evaluation of carbonate reservoirs for oil and gas in the Uzbek fields. 375983
Experience in complex data processing of acoustic, laterolog, induction and radioactivity logging in evaluation of oil-and-gas content in carbonate reservoirs. 375984

Grudniewska, A.
Use of diethazine hydrochloride for the extractive spectrophotometric determination of uranium and as a redox indicator. 354308
Grudskij, M.Ya.
Electron emission out of metals under the effect of gamma quanta of 30 to 90 keV range. 349587
Grudzinskas, I.I.
Calculations of the shifts of an X-ray line in the nonrelativistic and relativistic approximations. 377048
Gruebler, W.
Proposal for an experiment at the SIN: determination of D-state admixture in deuterons with the aid of π^+-d scattering. (LA-tr – 77-74) 377806
Gruebmeier, H.
Characterization and fission product behaviour in carbide-containing oxidic fuel particles. 370960
Metallic fission product retention of coated particles with ceramic kernel additives. 365913
Silicon carbide corrosion in high-temperature gas-cooled reactor fuel particles. 365917
Grueebler, P.A.
Investigation of possible Asub(yy)=1 points in ^{6}Li(d,α)^{4}He and other deuteron induced reactions. 378052
Grueebler, W.
Comparison of the mirror reactions ^{2}H(d,p)^{3}H and ^{2}H(d,n)^{3}He. 378021
Investigation of the 1^+ resonance in ^{6}Li by d-α scattering between 6 and 7 MeV. 354202
Phase analysis of ^{3}He(d,d)^{3}He scattering. 378013
Shell closure effects in the elastic scattering of polarized deuterons. 378039
A study of the 1^+ resonance in ^{6}Li via ^{4}He(d,d) scattering from 6-7 MeV. 377999
Tensor potentials in the optical model for elastic scattering of polarized deuterons by medium heavy nuclei. 377869
Gruemm, H.
The risk of storing radioactive wastes from nuclear power plants. (SGAE – 2650) 374431
Role of small nuclear research centers in technology transfer. 352548
Gruen, A.
Coarse-mesh computational techniques: progress in methods and in applications to reactor problems. 350111
Gruen, D.M.
Configurational entropies and the stabilities of intermetallic hydrides. 354514
Relative ion sputtering yield measurements by integration of secondary ion energy distribution using a retarding-dispersive ion energy analyzer. 353456
Sputtered gold and silver atoms isolated in D_2, Ne, and N_2 matrices. 364953
Gruen, M.
X-ray sky. 377611
Gruen, N.
On the formation of 2s holes in Ne^+-Ne collisions. 377026
Gruen, W.
General information on radiation protection in applying radiation devices. 1. 373557
Gruenbaum, L.
Core excitations to the low lying states of thallium isotopes. (IKDA – 77/11) 364688
Gruentzig, J.
Application of radioactive tracers for the assessment of lymph drainage of the inner eye. (INIS-mf – 4010) 370439
Investigation of lymph drainage of the rabbit's orbita with different lymphotropic radioactive tracers. (INIS-mf – 4010) 370448
Gruenwald, J.T.
Photon-neutrino interactions and helicity-flipping neutral currents. 372429
Gruetter, A.
Radiochemical investigation of the mass distribution and probability in stopped μ^- induced fission of ^{238}U. 372700
Gruetzmacher, K.
Discrepancies between the Stark-broadening theories of hydrogen and measurements of Lyman-α Stark profiles in a dense equilibrium plasma. 350622
Gruev, D.I.
Luminescence tracks in a semiconductor under two-photon excitation by ultrashort light pulses. 368795
Grugni, G.
Acoustic emission measurements during the first pressure vessel hydrotest at ENEL – Caorso BWR. 365858
Gruhle, W.
Non statistical reaction contributions in (α,n) excitation functions. 354201
Gruhn, C.R.
Energy resolution considerations in liquid ionization chambers. (LA-UR – 77-2357) 379879
Etching of thin silicon films. (LA – 6850-C) 371138
Jupiter energetic particle experiment ESAD proton sensor design. (LA – 7009-MS) 379890
Grumbach, R.
ALSAN – A system for disturbance analysis by process computers. (KFK-PDV – 93) 370850
Grumbkov, A.P.
Device for spectrometry of powerful pulse X-radiation fluxes. (Soviet patent document 441491/A/) 354657
Grumer, U.
Chemistry in the KNK-II. 376586
Grumme, T.
Diagnostic value of computerized tomography for the radiotherapy of cerebral tumors. (AED-Conf – 77-395-006) 370479
Grummitt, W.E.
Environmental monitoring at Chalk River Nuclear Laboratories. (AECL – 5698) 359553
Grunberg, G.
Connection between fixed-angle and fixed-momentum-transfer scattering in the framework of the double phase representation. 359255
Grundel, H.
Satellite resonances in the EPR spectrum of Gd^{3+} in Sc-doped $LuPO_4$. 355988
Grunder, H.
Bevalac Minibeam Facility. 363337, 374083
Heavy ion facility for radiation therapy. 363289
Grunder, H.A.
Relativistic heavy ion accelerators. (LBL – 6425) 365743
Grundey, T.
High resolution inelastic electron scattering and the excitation of magnetic dipole and quadrupole states in nuclei. (IKDA – 77/13) 364796
Grundfelt, B.
Translation and development of the BNWL-geosphere model. (KBS-TR – 10) 362571
Grundl, J.
Absolute fission rates measurements in Mol-ΣΣ. (HEDL-TME – 75-130) 351347
Grundl, J.A.
Californium-252 fission spectrum irradiation facility for neutron reaction rate measurements. (BNL-NCS – 22500) 356775
Fast reactor fission yields. (BNL-NCS – 22500) 356770
Fission/milligram of ^{235}U in BIG-10 Tests A, C, E, and B. (HEDL-TME – 75-130) 351354
Review of microscopic integral cross section data in fundamental reactor dosimetry benchmark neutron fields. (HEDL-SA – 1148(Rev.1)) 377990
Spectral indices for BIG-10: spectrum-averaged fission cross section ratios for ^{235}U, ^{238}U, ^{239}Pu, ^{237}Np. (HEDL-TME – 75-130) 351353
Grundy, B.R.
Dynamic sparger for measuring low helium concentrations in liquid sodium. (CONF-760503 – P2) 352750
Experimental characterization of sodium cold traps and modeling of their behavior. (CONF-760503 – P2) 352749
Grundy, P.J.
Amorphous Ni-P alloys prepared for ion implantation. 363939
Grunhaus, J.
$f^0(1270)$ production in the reaction $\pi^-p \rightarrow \pi^+\pi^-n$ at 12 and 15 GeV/c. 372501
Grunsven, T. van
Acceleration of particles in a strong plasma turbulence. (INIS-mf – 4267) 377435
Grupen, C.
Evidence for the tau → γrhoπ decay mode. 372500
A high resolution low cost charge sensitive amplifier. 355508
Measurement of the branching ratios for the decays J/psi(3.1) → fω and J/psi(3.1) → Bπ. 372506
Measurement of the J/psi radiative decay into $f^0(1270)\gamma$. 377779
Grupp, Kh.
On the establishment of equilibrium between nuclear and electronic subsystems by dynamic cooling of nuclei. 377166
Gruppelaar, H.
Impact of integral measurements on neutron capture cross section evaluations of nuclides with $90 <= A <= 150$. (INIS-mf – 4267) 378000
Impact of integral measurements on the capture cross section evaluations of individual fission product isotopes. (ECN – 24) 352440
Some properties of the width fluctuation factor. 361984
Tables of RCN-2 fission-product cross-section evaluation. (ECN – 33) 376412
Grush, W.H.
Posttest RELAP4 analysis of LOFT experiment L1-4. (TREE-NUREG – 1183) 374276
Grusha, G.V.
Three-dimensional formulation of the relativistic two-body problem in terms of rapidities. 371338
Grushin, A.F.
Big optical spark chambers and pulse generators for their suppling. (JINR-R – 13-9745) 358364
Grushko, J.S.
Starting material radiation source for Moessbauer investigations of tellurium compounds. (US patent document 4,059,769/A/) 379374
Grushko, Yu.S.
Combination of the methods of x-ray chemical shift and Moessbauer effect for investigation of the electron valence structure of nontransition elements. 368847
Grutt, E.W. Jr.
Uranium exploration methods development. 351930
Gruver, R.
Electronic excitation bands in irradiated silicon. 370146
Gruverman, I.J.
Moessbauer effect methodology. Volume 10. 378280
Gruzd', T.I.
On the role of endogenous substances in creating enhanced radioresistance background. 378989

Gruzdev, G.P.
Certain results of the mathematical simulation of the dynamics of the hemopoietic tissue postirradiation recovery. 349747
Peculiarities of restoration kinetics of a haemopoietic cell population in a two-component model. 378953
Gruzdev, N.I.
Behaviour of active corrosion products in a system of boiling water power channel type reactor of a single-circuit NPP. 379676
Gruzdeva, L.A.
Filler wire for welding of high-tensile titanium alloys. 369864
Gruzin, P.L.
Electron radiation effects on microhardness and internal friction in iron-nickel alloys. 349588
Gruzleski, J.E.
Use of Moire fringes in the study of lamellar eutectics. 378586
Gruznov, Yu.A.
Niobium band texture. 349447
Gry, D.R.
Direct measurement of a flux limit in a laser heated plasma. (INIS-mf – 3963) 371879
Gryazev, V.M.
Experimental results with carbide fuel rods in the BOR-60 reactor. (KFK-tr – 536) 355481
The irradiation behaviour of carbide fuel elements in the BOR-60 breeder reactor. 376596
Some technical aspects of accounting for and control of nuclear material at nuclear fuel cycle facilities in the USSR. 371289
Gryaznov, A.L.
Investigation of space-time distribution of slow photo-neutrons by the reservoir model. 367354
Gryaznov, A.N.
Technique for measuring the radioactivity of ^{239}U. (FEI – 501) 356767
Gryaznov, I.M.
Destruction and thermal dissociation of transition metal carbides induced by laser radiation beam. 367291
Gryaznov, V.M.
Program-controlled device MODUS-2. (JINR – 10-8074) 358423
Gryaznova, L.V.
Possible mechanism of hard alloy strengthening by shock waves. 367288
Grynberg, G.
Relaxation of sodium atoms in the 4D level by collision with noble gases: preliminary result. 353194, 376975
Grynszpan, R.
Positron-annihilation investigation of high-temperature neutron-irradiated molybdenum. 354612
Gryzinski, M.
K-shell ionization probability for the free-fall atomic model. 377027
Gryzlov, A.I.
Electron linear waveguide accelerators for applied purposes. (INIS-mf – 4194) 376273
Electron power pulsed accelerators for national economy. (INIS-mf – 4194) 376355
Grzeta, B.
Resonances in de-excitation of argon metastables by H_2 molecules. 353366, 377122
Grziwa, P.
Solidification of high-level liquid wastes to phosphate glass-metal matrix blocks. 358482
Grzybowska, D.
Uptake of ^{226}Ra by plants from contaminated soils. 354842
Grzymala, W.J.
Chromosomal aberrations in lymphocytes of persons occupationally exposed to radiaton from ^{226}Ra and ^{3}H paints. 379079
Gschneidner, K.A. Jr.
Effect of oxygen and hydrogen on the transition and melting temperatures of samarium. (IS-M – 109) 373159
Electrical resistivity of La. 359951
Fascinating world of rare earth research. (IS-M – 102) 362182
Influence of crystal field interaction on the thermal behavior of $ErAl_2$. (IS-M – 81) 351763
Influence of hydrogen on the low temperature heat capacity of lutetium-rich lutetium-hydrogen alloys. 375901
Magnetic ordering in Ce – La and Nd – La alloys. (IS-M – 116) 373254
Scandium puzzle: what are its intrinsic properties. (IS-M – 99) 351753
Gspann, J.
Atomic interaction with quantum fluid clusters: ^{3}He-cluster beam generation and Cs-scattering by ^{4}He-clusters. 353260
Gsponer, A.
A measurement of the polarization parameter in large angle proton-proton elastic scattering at 7.9 GeV/c. 356484
Gualda, J.M.
G-factors of the 264 keV and 632 keV states in ^{77}As. (INIS-mf – 4111) 364805
Gualdi, C.
Interaction of gravitational radiation with a uniformly magnetized sphere. 353067
Gualtieri, D.M.
Hydrogen capacity and crystallography of $ErFe_2$-based and $ErCo_2$-based ternary systems. 354515
Guanziroli, M.
Precision measurement of the 3d-2p transition energy in muonic Mg, Si, P, by crystal spectrometer. 376954
Guaraldo, C.
(πsup(+), ^{4}He) inelastic interaction at 110 and 160 MeV. 356489
(πsup(+),^{4}He) inelastic interaction at 100 and 160 MeV. 353928
New improvement in track localization in self-shunted helium streamer chamber. 355527
Guard, R.F.W.
Development of local engineering capability. 352710
Guary, J.C.
Biokinetics of ^{237}Np in mussels and shrimp. 367572
Plutonium diffusion in the marine environment: a quantitative study on marine species of the channel shores, from Brest to Honfleur. 360367
Guazzoni, G.
Nuclear battery hybrid configuration study. 373941
Guba, V.G.
Strength functions of compound nucleus resonances for partial E1 transitions. 377888
Gubajdulin, R.K.
Inducing spin reorientation in the region of phase transformation in $YFeO_3$. 374670
Gubankov, V.N.
Nonresonant detection of Josephson radiation from thin-film microbridges. 374015
Gubanov, V.A.
Electron spectra and energy transfer in YVO_4-Eu. (INIS-mf – 3955) 378282
Luminescence of laminated crystals. 371564
Quadrupole interaction in VO_2. 357032
Gubanov, Yu.I.
High time resolution and high output current photomultiplier. 358409
Gubanova, L.S.
Method for separation of iodine from natural water. (Soviet patent document 339130/A/) 375478
Gubarev, A.A.
Observations of the Hercules X-1 x-ray source on the Salyut-2 station. 369089
Gubarev, A.V.
On calculating an optimum MHD generator. Statement of the problem and an algorithm for optimum solution. Part 2. (IAE – 2390) 353722
Gubareva, L.B.
Review and discussion of the results of physical start-up investigations of WWER-type reactor cores. 350218
Gubchevskij, V.P.
Texture formation in metals with bcc lattice during drawing in dead rollers. 378633
Guber, W.
Lab-scale and pilot-plant experiments on the solidification of high-level wastes at the Karlsruhe Nuclear Research Centre. 358483
Guberman, S.L.
Radiative charge transfer between H and C^{++}, C^{+++}, and N^{++}. 350586
Gubernatis, J.E.
Effective medium theories of inhomogeneous media from modern perspective. (LA-UR – 77-1529) 355989
Scattering theory and effective medium approximations to heterogeneous materials. (LA-UR – 77-2063) 364024
Gubin, S.P.
Electrochemistry of π-complexes and organometallic compound of transition elements. 367078
Gubin, V.B.
Proton scattering by ^{50}Cr and ^{52}Cr nuclei at Esub(p)approximately 6 MeV. 375200
Gubler, H.P.
Determining the spectroscopic factors of the 1psub(1/2) neutrons in ^{13}C. 378001
Gubser, D.U.
Concentration and pressure dependence of the superconducting transition temperature in Vsub(3-x)Msub(x)Ga (M = Cr,Mn,Fe and Co). 377686
Gubskaya, G.F.
Investigation of interaction in the Ga_2Te_3-Cu section of ternary Cu-Ga-Te system. 359649
Investigation of interaction in the ternary Cu-Ga-Te system. 359690
Gubskij, V.I.
System of dynamic elements of analog memory. 376701
Guccione, E.
Australia's slow entry into the nuclear age. 349629
Health hazards of not going nuclear. 352321
Guczi, L.
Hydrogen – deuterium exchange in saturated hydrocarbons on α-chromia catalyst. 369638
Guderjahn, C.A.
Some potential reductions in the release of radioactivity under LMFBR accident conditions. (CONF-761001 – P4) 362984
Gudiksen, P.H.
Evaluation of the radionuclide concentrations in soil and plants from the 1975 terrestrial survey of Bikini and Eneu Islands. (UCRL – 51879(Pt.3)) 378832
Gudima, K.K.
Statistical methods of research in many particle systems. 348801, 349104
Gudimovich, T.F.
Solid solutions on the base of tetrafluoroborates and perchlorates. 375531
Gudkin, V.B.
ERG-350/3 electrostatic rotor generator. (ITEF – 84(1975)) 374372
Gudkov, I.N.
Dependence of radioprotector action of cysteine and β-mercaptoethylamine on accumulation of sulphydryl groups in

meristematic tissues of pea sprouts. 354902
Mitosis delay in cells of the root meristem of pea seedlings in S and G_2-phases when irradiated with gamma-rays. 376088
Reduction of the mitotic cycle duration in cells of the pea root meristem irradiated with a harmful dose of γ-radiation. 378997
Gudkov, O.M.
Usage of the I-2 linear accelerator in applied studies. (INIS-mf – 4194) 376353
Gudmestad, O.T.
Acceleration of trapped particles by a Langmuir wave in an inhomogeneous plasma. 368940
Gueckel, W.
Absolute cross sections and isomeric cross-section ratios for the ^{148}Nd(d,2n), ^{148}Nd(p,n), and ^{146}Nd(α,pn) reactions producing the isomeric pair ^{148}Pm/sup m ,g/. 351327
Independent isomeric yield ratio of ^{148}Pm in fission of the moderately excited ^{236}U compound nucleus as a measure of fragment angular momentum. 351328
Guedes, S.M.L.
Selective hydrogen atom abstraction by hydrogen atoms in photolysis of cyclohexane-normal pentane mixtures at 77 K. (IEA – 473) 351998
Gueguenia, P.
Investigation of the transfer of radionuclides in water and marine sediments. 354882
Guelich, J.
Steam generator. (German (F.R.) patent document 2303277/C/) 355390
Guelin, M.
Observations of DCO^+: the electron abundance in dark clouds. 372179
Guenard, P.
High power electron tubes for plasma heating. 353557
Guenault, A.M.
The thermoelectric power of type I superconductors in the intermediate state. 374693
Gueniau, P.
The Mark II Nancay radioheliograph. 372129
Guenther, A.H.
Material limitations in fusion lasers. 373319
Some pertinent AFWL activities and interests in high power switching. (EPRI-ER – 376-SR) 361551
Guenther, C.
High-spin states in ^{203}Bi populated in the (α, 4n) reaction. 372765
Guenther, H.
12 years experience of operating high efficiency filters at the European Institute for transuranium elements at Karlsruhe. 360682
Guenther, P.
Fast neutron cross sections of vanadium and an evaluated neutronic file. (ANL/NDM – 24) 351358
Titanium-I: fast neutron cross section measurements. (ANL/NDM – 31) 364773
250 keV resonance in the total neutron cross section of ^{6}Li. (ANL/NDM – 29) 372812
Guenzburger, D.
Electronic structure calculation of $[Fe(CN)_6]^{-3}$ by the SCF-MSXα method. (PUC-TN – 26/76) 350733
Electronic structure, optical aspects and hyperfine interactions in ruthenium complex. 364025
Isometric displacement of the iron and ferricyanide ions by the multiple scattering method. 364026
Guerard, D.
Raman scattering from intercalated donor compounds of graphite. 360049
Guerreau, D.
Evidence for a short lifetime and a long lifetime regime in the deep inelastic collisions between ^{40}Ca and ^{64}Ni at 182 MeV. 372694
Fusion and deep inelastic collisions studied on the Ar + Au system. Pt. 2. 356765
Guerrero Morillo, H.L.
The fabrication of nuclear fuel elements in Mexico. 370834
Guerses, M.
Conformal uniqueness of the Schwarzschild interior metric. 359090
Some solutions of stationary, axially-symmetric gravitational field equations. 366268
Guersey, F.
Charge space, exceptional observables and groups. 361809
Exceptional groups and elementary particles. 353813
Quark and lepton assignments in the E_7 model. 359315
Guertin, R.P.
Pressure dependence of the magnetic properties of some rare earth intermetallic systems. 378634
Guertler, J.
Enrichment of heavy elements in the galaxy. 351003
Guertler, P.
Rydberg series in the absorption spectrum of H_2O and D_2O in the vacuum ultraviolet. (DESY-SR – 77/09) 374618
Guertler, R.
Operating manual and safety specifications. 376565
Guery, M.
Checking the homogeneity of fuel for high-temperature reactors. 376543
Guest, G.E.
A simple neoclassical point model for transport and scaling in EBT. 348923
Guesten, H.
Isotope separation by laser-photochemistry. 364954
Guet, C.
Fission fragment energy correlation measurements for the thermal neutron sub-barrier fission of ^{237}Np and above-the-barrier fission of ^{235}U. 372698
Guetlich, P.
On-line Moessbauer measurements at low temperatures of sup(83m)Kr implanted into Al. 377198
Guettner, K.
Range and range straggling of heavy ions in solids. 364774
Gueugnon, J.F.
Design, construction and operation of a Cf-252 facility with a capacity of 5mg. 360679
Gueulette, J.
Intestinal proliferation after multiple fractions of gamma irradiation. 365393
Pre-therapeutic radiobiological experiments performed at Cyclone with d(50)-Be neutrons. Comparison of RBE/absorbed dose relationships obtained for several biological criteria. 379047
Gueven, R.
Wave mechanics of electrons in Kerr geometry. 371382
Gugel, G.
Equipment for inspection and carrying out repairs, if required, for tube bundles of steam raising units. 355391
Guginska, E.
Determination of protein-bound-radioiodine level as an index for determining the form of thyrotoxicosis. 367709
Guglielmo, E.
Core and fuel at the NBSR. 358321
Gugnin, A.A.
Investigation into thermodynamic stability of $AlWO_4$ and reaction between Al_2O_3 and WO_2 at higher temperatures. 369660
Guha Thakurta, S.R.
Magnetic susceptibility of free charge carriers in bismuth tellurides (Bi_2Te_3). 375462
Guha, A.
Effect of neutron irradiation on single crystal V_3Si. (BNL – 23015) 351912
Guha, S.
Electron irradiation in amorphous silicon. 362531
Guiberteau, M.J.
Improvement in visualization of hepatic lesions with upright views. 373672
Pharmacokinetics of /sup 99m/Tc diphosphonate. 352088
Quality of bone scans compared with time between dose and scan. 357649
Guichard, A.
Gamma spectroscopy of hypernuclei. (LYCEN – 7702(pt.1)) 359487
Guichard, C.
The effect of americium-241 on the determination of plutonium by the silver(II)oxide method. 369573
Guichard, F.
Production of radionuclides by cosmic rays at mountain altitudes. 362592
Guichard, M.
Measurement of RBE, OER, and recovery of potentially lethal damage of a 645 MeV helium ion beam using EMT6 cells. 365351
Guichon, P.
Exchange corrections for partial capture rates of muons in nuclei. (LYCEN – 7702(pt.1)) 369479
Muon capture in ^{16}O. (LYCEN – 7702(pt.1)) 369478
Guidee, P.
rf system of SATURNE II. 363225
Guidry, M.W.
The classical limit S-matrix and orbital dynamics in semi-classical Coulomb excitation theory. 377889
Guigas, R.
Evidence for bound states in the anti pp-system. 377811
Evidence for narrow bound states related to the panti p system. 377817
High-spin states and neutron multiplicities after pion capture in ^{181}Ta and ^{209}Bi. (INIS-mf – 4267) 377966
Measurements on light antiprotonic atoms. 376976
Study on antiprotonic atoms of light nuclei and isotopes. 371523
Guignard, G.
Beam size blow-up and current loss in the Fermilab main ring during storage. (BNL – 23044) 363244
Bunch lengthening in the Fermilab main ring during storage. (BNL – 23045) 363245
Measurement of the excitation of the coupling resonance Q/sub h/ – Q/sub v/ = 0. 363174
Guijt, N.
The genetic characterization of lexB32, lexB33 and lexB35 mutations of Escherichia coli: location and complementation pattern for UV resistance. 376077
Guilbard, A.
Single electron capture by Ar^{2+} in Ne, Ar, and Kr gases. 358838
Guilbaut, F.
Shape transition between N = 40 and 42 in the Ga and Ge isotopes. 378073
Shape transition between N=40 and 42 in the Ga and Ge isotopes. (IPNO-PhN – 77-23) 369514
Guillaud, J.P.
New limits for the exotic exchange reaction $\pi^- p \rightarrow K^+ \Sigma^-$ at 5 and 8 GeV. 372515
Guillaumin, M.
Operation of nuclear units in power systems. 352585
Guillaumont, R.
Thermodynamic consequences of the nephelauxetic effect on the formation of complexes of 4f elements in aqueous solution.

364960
Thermodynamic properties of 5f elements. 369738
Guillermin, R.
The agricultural use of heat discharge by nuclear power plants. 354991
Guillet, B.
Natural carbon-14 dating of organic matter from spodic horizons of podzols in the Medoc Landes (France). 357496
Guillet, H.
Utilization of plutonium. 368415
Guillory, J.
Vlasov equilibria for a warm finite radius rotating relativistic electron beam in a magnetized plasma. 350915
Guillou, M.
Electronic conductivity and oxidation reduction in zirconium based ceramics. 354585
Guilman, I.I.
Some problems of using adsorbents as a matrix material for low-temperature regenerators of cryogenic refrigerators. 360642
Guimaraes, J.R.C.
Kinetics interpretation model of isothermal martensite reactions. 354516
Guimaraes, W.O.N.
Use of non-linear refractive index of liquid mixtures to determine possible geometries of the complex formation. 350778
Guinier, A.
K.S. Krishnan Memorial Lecture: The role of crystallography in solid state physics. 371608
Guinkh Tkhyong Kh'ep
Analysis of secondary gamma quanta resulting from resonance neutron capture by ^{155}Gd and ^{157}Gd nuclei. (INIS-mf – 3897) 356679
Guinn, V.P.
Advance prediction of neutron activation analysis spectra and detection limits. 378114
Recent instrumental neutron activation analysis studies utilizing very short-lived activities. 369544
A very rapid instrumental neutron activation analysis method for the forensic comparison of bullet-lead specimens. 375275
Guiraldenq, Pierre
Kinetic of grain growth in austenitic structures (Cr = 16%wt, Ni = 14%wt) for different carbon content after rolling. 354540
Guiraud, G.
Application of residual sludge: effects on soil nitrogen and retention of Cd, Cr, Hg and Zn by ray grass. 357458
A high-temperature furnace for small-angle neutron scattering. 350360
Guiraud, R.
Comparative study of ^{99}Tcsup(m)-pertechnetate and ^{131}I-iodoantipyrine in the determination of bone blood flow. 373690
Guisan, O.
Observation of the decay $\pi^0 \rightarrow e^+e^-$. 377802
Guissani, A.
Processive and synchronous mechanism of polynucleotide phosphorylase phosphorolysis. 360372
Gujral, R.
Magnetic-field-dependent ultrasonic velocity measurements in Cu and V . 367246
Gujrathi, S.C.
The ^{141}Eu nuclide and its decay properties. 364761
Guk, I.S.
Channels for vacuum ultraviolet radiation extraction from the N-100 storage ring. 370747
Gukasov, A.G.
Experimental observation of the asymmetry of polarized neutron critical scattering from Fe above Tsub(c). 377258
Gul'chevskij, L.S.
Heat spread in the base metal during microplasma welding. 369885
Gul'el'mi, A.V.
Spectral-time analysis of modulation of poured out electrons and VLF-radiation on data obtained by the Interkosmos-5 satellite. 376046
Gul'ko, N.V.
Properties of coatings based on alumomagnesium spinel. 370089
Gula, A.
Possible qualitative features of heavy particle production in a cluster model. (JINR-D – 1,2-9342) 356421
Production of π^0 mesons in K$^+$p interactions at 8.2 GeV/c. 353936
Some consequences of an attempt to identify clusters with resonances. (JINR-D – 1,2-9342) 356422
Gulak, L.V.
Factors controlling the recirculation of haematopoietic stem cells. 370360
Gulamov, I.R.
Study on proton polarization in elastic scattering on ^{24}Mg, ^{26}Mg, ^{32}S nuclei in the proton energy range 5-6 MeV by the thick target method. 378053
Gulamov, K.G.
A study of inelastic pion-nucleus interactions at 200 GeV/c in an emulsion. 356481
Gulati, K.L.
Estimation of uranium and boron contents in plants and soils by nuclear particle etch technique. 354654
Guldamashvili, A.I.
Radiation damage of molybdenum monocrystals due to ion implantation. (KFTI – 75-35) 353428
Guldberg, J.
Electron trap annealing in neutron transmutation doped silicon. 360084
Gulden, S.L.
Effects of radiation pressure on the equipotential surfaces in x-ray binaries. (CONF-7510169 –) 364356
Gulden, T.D.
Coated particle fuels. 365918, 365939
Low-enrichment and denatured (thorium) fuels for the HTGR: a status report. (GA-A – 14606) 363468
Gulden, W.
Comparative SSYST-1 calculations on the TREAT-FRF2 experiment. 370610
SSYST-1. A computer code system to analyse the fuel rod behaviour during a loss of coolant accident. (KFK – 2496) 368002
WQGAS – a RSYST module to calculate the P_1 scattering nuclei of an ideal, monoatomic gas. (IKE – 6-106) 355694
Gulens, J.
Continuous monitoring of a heavy water plant effluent with a sulphide-selective electrode. 364871
Gulgazaryan, K.A.
Photomultiplier with the subnanosecond input gate. 371163
Guliev, N.A.
Differential cross-sections of neutrino and antineutrino scattering on electron in the gauge theories. W-resonance. 359256
Distribution asymmetry and helicity of electrons of the μ-decay in the framework of one-particle exchange models and the restrictions for the masses of the intermediate particles and muon neutrino. 353814
The processes of the neutrino-antineutrino pair photoproduction on the electron in the framework of the Weinberg-Salam theory. 375029
Guliev, T.N.
Investigation into the In_2Se_3-Sb_2Se_3 system. 369633
Synthesis preparation of monocrystals and study of the properties of the $InSbSe_3$ and $InSbS_3$ compounds. 369632
Gulin, L.V.
Diffusion of helium and neon isotopes in rubidium chloride single crystals. 374718
Gulin, Yu.A.
Features of the determination of rock porosity from the neutron logging data at final exploration of carbonate deposits in sections of cased boreholes of old stock reserve. 373401
Physical grounds for application of scattered gamma radiation to determine the diameter of casing columns. 375985
Production of radioactive sodium under working conditions for investigation into petroleum boreholes. 365273
Gulinck, M.
Investigations into the possibility of final disposal of radioactive wastes in an underground clay formation. 358520
Gulinskij, V.
The correlation between composition, structure and properties of high-level waste solidification products. 368378
Gulkan, P.
Seismic risks analysis for nuclear power plants. 373822
Gulkarov, I.S.
Root-mean square nuclei-isotope radii. 366979
Gull, S.F.
The microwave background radiation in the direction of clusters of galaxies. 369093
Gullickson, R.L.
Operation of a plasma-focus device with D_2 and He^3. 350860
Gully, J.H.
Design, fabrication, and testing of a fast discharge homopolar machine (FDX). (CONF-771029 – 117) 377414
Gully, W.J. Jr.
Low field magnetic resonance experiments in superfluid ^{3}He – A. 372331
Gulo, V.G.
Evaluation of the multilevel model for thermal neutron scattering by H_2O moderator. (INIS-mf – 3895) 355279
Gulson, B.L.
Application of Lead isotopes and trace elements to mapping black Shales around a base metal sulfide deposit. 373402
Gulyaev, A.P.
Alloying effect on subcooled austenite transformation in low-alloy steel of 14G2S type. 359933
Effect of different grain size on the mechanical properties of steel-18Kh2N4MA. 375839
Gulyaev, I.B.
Field characteristics of electric conductivity of semiconductor films containing intergranular barriers. 374714
Gulyaev, Yu.V.
Effect of transverse drift of charge carriers on acoustoelectron interaction in piezoelectric-semiconductor laminated structure. 371609
Gulyaeva, N.D.
File structure and organization in the automation system for operative account of equipment and materials in JINR. (JINR – 10-8725) 368487
Gulyaeva, Z.P.
Defects in swaged pieces of nickel-base alloys. 351708
Gulyamov, B.M.
On solid-phase reactions of $CaSmAl_3O_7$ formation. 362184
Gulyamov, M.
Rapid determination of sodium, gallium, bromine, chromium and antimony content in mountain crystal using neutron activation method. 375999
Gulyamov, U.G.
Relativistic nucleus dosing for two-meter propane chamber. (JINR – 13-10353) 379891

Gulyarnov, U.G.
A study of inelastic pion-nucleus interactions at 200 GeV/c in an emulsion. 356481
Gulyj, I.S.
Effect of carbon dioxide injection on the scale formation process. 349969
Gumenyuk, S.A.
Λ and anti Λ production in K^+p interactions at 32 GeV/c. 372512
Guminichenko, L.V.
Electrochemical investigation of rare earth amalgams. 357088
Gun, G.Ya.
Effect of preparation technology and deformation conditions on the plasticity of alloy ZhS6KP nigots. 351799
Gun'ko, A.J.
Radiomimetic action of glyceraldehyde and dihydroxyacetone. 362628
Gunchenko, A.I.
Particularities of emission-spectroscopic determination of element composition of atmospheric dust. 349166
Gundaker, W.E.
Radiological safety by design. 367805
Gunderson, B.
Evidence for the F meson. 353947
Measurements of tau decay modes and a precise determination of the mass. 372505
On the origin of inclusive electron events in e^+e^- annihilation between 3.6 and 5.2 GeV. 353772
On the semileptonic decay of charmed hadrons. 356496
Gundlach, K.H.
Current-versus voltage source model in Josephson effect. 353731
Gundorov, V.V.
Impact strength of structural graphite. 375938
Gundtoft, H.E.
Experience with a new ultrasonic inspection system for non-destructive examination of precision tubes. 355223, 376434
Guner, M.A.
Division analog circuit for semiconductor position-sensitive detectors. 376744
Gunion, J.F.
Hadron production in nuclear collisions – a new parton-model approach. 372373
Recent developments in the theory of large transverse momentum processes. (SLAC-PUB – 1806) 377791
Gunn, H.I.
Detection of interstellar DNC: difficulties of chemical equilibrium hypothesis for enrichment. 348995
Observation of $J = 1 \rightarrow 0$ emission from $H^{15}NC$. 348985
Gunn, J.T.
Bevalac Minibeam Facility. 363337, 374083
Gunn, S.R.
Calorimeters for measurement of ions, x rays, and scattered radiation in laser-fusion experiments. 366548
Energy balance measurements for Shiva. (UCRL – 79801) 377409
Gunnerson, F.S.
Correlation for the Leidenfrost temperature for spherical particles and its application to FCI analysis. 352233
Gunsser, W.
ESR- and Moessbauer spectroscopic, roentgenographic and magnetic studies on the formation of highly dispersive iron oxides on Faujasit. 359716
Gunsteren, W.F. van
Radial distribution functions of liquid Na and Cs. 373225
Gunten, H.R. von
Evidence on the influence of fission channels on fission phenomena. 377900
Radiochemical investigation of the mass distribution and probability in stopped μ^- induced fission of ^{238}U. 372700
Gunther, W.H.
Heat removal from molten fuel pools. (CONF-761001 – P4) 362856
Production of molten UO_2 pools by internal heating: apparatus and preliminary experimental heat transfer results. 367741
Gunye, M.R.
Nuclear structure calculations in vanadium isotopes. (INIS-mf – 4138) 372660, 375135
Gunz, F.W.
Attempted cell synchronization in the treatment of acute non-lymphoblastic leukemia in adults. 370452
Guppy, J.G.
Simulation of transients in liquid-metal fast breeder reactor systems. 373781
Gupta, A.K.
Equivalent modal response method for seismic design of structures. 355141
Probable simultaneous response by the response spectrum method of analysis. 355142
Gupta, A.P.
Synthesis and ion-exchange properties of a semicrystalline magnesium-selective niobium antimonate. 362135
Gupta, A.S.
Dispersion of a dye with a harmonically varying concentration in the hydromagnetic flow in a channel. 371685
Stability of magnetogasdynamic shear flow. 368759
Gupta, Ajay
Analysis of the localized mode effects in Moessbauer resonance. 366418
Gupta, B.D.
Radium organisation and radiation protection. 373881
Gupta, B.K.
Thyroid harmones in yolk and their role in chick embryogenesis. 352068
Thyroxine secretion rate during growth in different types of poultry birds. 352119
Gupta, B.L.
Build-up dose measurement in ^{60}Co irradiations using the ferrous sulphate-benzoic acid-xylenol orange dosimeter. 357877
Gupta, D.
International safeguards in large-scale nuclear facilities. 371284
Layout principle of the data processing system for nuclear safeguards at Karlsruhe nuclear research centre. 371300
Salzbourg 1977. 355711
Gupta, D.C.
Pressure dependence of the Moessbauer fraction for ^{57}Fe in Ti, V and Cu. 353429
Gupta, D.K.
Phonon dispersion in thorium: a pseudopotential approach. 373283
Gupta, G.S.
Biological damage in testis by iodine-125 in partially blocked thyroid of rats. 352061
Gupta, H.C.
Phonon dispersion in thorium: a pseudopotential approach. 373283
Gupta, H.P.
A simplified model for the dynamics analysis of the Tarapur BWR. 376486
Gupta, I.J.
Effect of absorption discontinuity on neutron spectra of water assemblies poisoned with non-1/V absorbers. 364605
Gupta, J.B.
Pairing-plus-quadrupole model calculations for ^{154} ^{156}Gd. 351286
Gupta, J.C.
Some features of Pc5 pulsations during a solar cycle. 364395
Gupta, J.P.
Synthesis and ammonium ion exchange of α-zirconium phosphate prepared from zirconia. 369634
Synthesis and ion-exchange properties of a semicrystalline magnesium-selective niobium antimonate. 362135
Gupta, L.C.
NMR studies in some $REPt_3$ alloys. 366417
Rare earth cobalt permanent magnets. 366419
Gupta, L.R.
Computation of force constant change of dilute Moessbauer impurities in metallic hosts from Moessbauer parameters. 371665
Gupta, M.
Electronic structure and lattice instability of metallic VO_2 . 366420
Resonance photocouplings with a "mixed" nucleon and the even-wave harmonic-oscillator theory of baryonic states. 351163
Gupta, M.M.
Changes in iron kinetics by myelostimulative therapy in patients with aplastic anemia. (INIS-mf – 4010) 367573
Some criteria for evaluation of performance of whole body counting systems. 371122
Gupta, O.P.
Dynamical study of vanadium on a modified CGW model. 371627
Gupta, P.K.
Relative distribution of ^{32}P malathion in chick. 373745
Gupta, P.L.
Infra-red spectrum and normal coordinate analysis of tungsten trioxide. 374609
Gupta, R.C.
Microbiological leaching of ores and concentrates. 373403
Gupta, R.K.
Further possibilities with Pb-targets for synthesizing super-heavy elements. 364775
Mass spectrometer for stable isotopes in hydrology. 368340
Gupta, R.P.
Electron and positron densities and the temperature dependence of the positron lifetime in a vacancy in aluminum. 373201
Gupta, S.K.
The Dhajala meteorite shower: atmospheric fragmentation and ablation based on cosmic ray track studies. 350977
Effect of temperature on relaxation time in free radical complexes. 371647
High-resolution gamma-ray spectrum from concrete. 351257
An ionisation wedge for simulation of the solar flare spectrum. 363614
Lanthanum(III), cerium(III), praseodymium(III), neodymium(III) and samarium(III) chloride triethyl phosphate complexes. 359624
Radiative capture cross section measurements for fast neutrons using a large Gd-loaded liquid scintillator. 374322
Study of groundwater movement using environmental radioisotopes. 367399
Volume integrals of nucleon absorbing optical potentials. 361992
Gupta, S.L.
Measurements of time differential perturbated angular gamma-gamma correlations in the ^{207}Bi decay. 377962
Role amplification of the coulomb interaction in nuclear reactions. 377857
Gupta, S.N.
Canonical quantization of fields with higher-derivative couplings. 358631
Gauge theories of massive vector fields without scalar fields. 364472
Gupta, S.N.S.
Determination of electron energy distribution in a plasma. 358924
Gupta, S.P.
Complexes of 5-chloro-2-hydroxy-4-methyl acetophenone oxime with palladium(II), copper(II), nickel(II), cobalt(II), vanadyl(II), iron(III), uranyl(II) and molybdenyl(II). 375644
Pm(III), Eu(III), Tb(III), Pd(III), Pt(II) and Ir(II) complexes of picramic acid. 367063

Gupta, U.C.
National standards of ionizing radiations maintained at BARC, Trombay, Bombay : Part II – Radioactivity standards. (INIS-mf – 4161) 376253
Gupta, V.
Sum rules for the masses of the 2P- and higher levels of charmonium. 356423
Tests of the SU(2)XU(1) gauge group from neutral current phenomena. 369290
What neutral current experiments can tell us about left-right symmetry. 377735
Gupta, V.K.
Charged particle multiplicity in 400 GeV/c p-nucleus interactions in nuclear emulsion. 372498
Regulatory requirements for radioactivity management in India. 367806
Toxicology of vanadium and its spectrophotometric determination in bio-samples. 367047
Gur, Y.
Comparative analysis of recent American, German and Russian evaluated nuclear data files. (IA – 1338) 364606
Effective cross section computation in the unresolved resonance region. (INIS-mf – 4052) 366906
Gur'ev, A.V.
On durability of bimetal in corrosion environment. 369819
Gur'ev, V.N.
On the estimation of electric dipole cross-sections for the $^4He(\gamma,p)H^3$ reaction. 364689
Gur'ev, V.V.
Hybrid thermonuclear reactor for fissile material production. (INIS-mf – 3954) 361552
Gur'eva, I.P.
Weld formation during welding with slow-rotating arc in variable magnetic field. 359887
Gur'yanov, V.V.
A new highly efficient adsorbent for ultrahigh vacuum cryopumps. (KFTI – 76-21) 357393
On the problem of low-temperature air adsorption studies by the volume method. (KFTI – 75-10) 352383
Gurach, Kh.
Investigation of the capture system without change in injected electron energy. (JINR-R – 9-9139) 355185
Two-coil monitor for measuring parameters of an electron ring in an adgezator during compression. 363232
Guran, M.
The BETHY code for the heat-up phase of fuel rods during LOCA. 370542
Guratzsch, H.
The neutron-proton final-state interaction in proton-induced deuteron break-up at 8.5 MeV. 372760
Gurbanovich, N.S.
Problem on eigenfunctions and eigenvalues for effective Hamiltonians in pair channels of four-particle systems. 377890
Gurbenko, B.I.
Effect of preparation technology and deformation conditions on the plasticity of alloy ZhS6KP nigots. 351799
Gurchumeliya, A.D.
Relativistic calculations of atom excitation cross sections by electrons. 353261
Study on electron-atom scattering by the method of relativistic perturbation theory. (INIS-mf – 3915) 348682
Gurd, D.P.
TRIUMF data interface. 363246
Gureev, E.S.
Extraction-chromatographic method for indium separation from silver and cadmium. 357097
Radioactivation gold determination in natural waters with extraction-chromatographic separation. 349193
Gurevich, A.G.
Spin wave relaxation processes in calcium-vanadium-iron garnet. 363943
Gurevich, A.I.
Transitions between sublevels of ^3P triplets in slow atom-ion collisions. 368642
Gurevich, A.V.
Current generation on plasma interaction with a multicharged accelerated ion beam. 370748
Instrumental neutron activation analysis of rocks of Pechenga suite. 354313
Instrumental neutron activation analysis of standard samples of the rocks. (INIS-mf – 3994) 378104
Kinetic theory of runaway production in toroidal magnetic devices. 374821
Gurevich, G.M.
Circuit for changing voltage polarity of the power supply for the MI-1305 ion mass spectrometer. 376702
Gurevich, L.Eh.
Permittivity of a nondegenerate collisionless plasma and cyclotron waves in a quantized magnetic field. 368796
Gurevich, M.E.
Laser radiation effect on the mobility of iron atoms. 359934
Gurevich, S.M.
Arc welding of vanadium alloys in helium with oxygen additions. 375780
Specific features of weld formation in arc welding of titanium using electromagnetic stirring. 369876
Gurevich, V.L.
Theory of phonon relaxation in He(II) at low temperatures. 359197
Gurevich, Ya.A.
Gamma-plant. (Soviet patent document 357597/A/) 370678
Gurevich, Ya.B.
Combined steel hardening using fine grain austenitizing. 357331
Influence of austenite grain size on mechanical properties of chromium-nickel structure steels. 349532
Gurgenishvili, G.E.
Phase transition of superfluid ^3HeB to inhomogeneous state induced by an electric field. 375000
Gurin, N.T.- Semak, D.G.
On high-resistance state of threshold switches based on chalcogenide glass. 348791
Gurin, S.P.
Design of a vacuum chamber for the T-10M facility. (INIS-mf – 3954) 361554
Technological problems of design of the DTRT (T-20) injectors and techniques of their solution. (INIS-mf – 3954) 361553
Gurin, V.N.
Possibility of using 'dissolution' method of synthesis and crystallization for preparation of dispersion-hardened composite materials. 375788
Gurinenko, L.V.
Spectral analysis of heat resisting alloys smelted in vacuum arc furnaces. 364872
Gurkov, V.A.
Application of electronic multiplie CO-I for determination of main component in copper-I and baryte ores and products of their enrichment. 354639
Gurkov, V.I.
Calculation of cross-sections of electron-molecule elastic collisions. 358696
Gurland, J.
Combined macroscopic and microscopic approach to the fracture of metals. Technical progress report, July 1976 – June 1977. (COO – 3084-53) 362412
Gurna, S.S.
Neutron activation analysis of tantalum in ores and concentrates using low-level isotopic neutron source. 375276
Gurnett, D.A.
A plasma wave investigation for the Voyager Mission. 374956
Gurov, G.A.
Measurement of X-ray radiation source parameters on the ^{55}Fe base. 370690
Gurov, K.P.
Influence of dispersivity on phase equilibria of crystalline materials. 365184
Gurovich, A.V.
On the role of linoleic acid hydroperoxides in the bone marrow lesion and death of irradiated mice. 370348
Gurovich, V.Ts.
Generation of gravitons in a regular isotropic cosmological model. 364329
Gurr, H.S.
Neutrino stability – inverse square test. 353985
Gurskij, G.
The sky in x-rays. 348998
Gurskij, M.N.
Calibrating film dosemeters in intense electron radiation fields. 360528
Gursky, H.
"Other" galactic x-ray sources. (CONF-7510169 –) 364330
Observations of Cygnus X-1 in its two intensity states by ANS. (CONF-7510169 –) 364393
Observations of Cygnus X-3 by ANS. (CONF-7510169 –) 364392
X-ray spectroscopy with the ANS satellite. (CONF-7510169 –) 364401
Gursky, J.C.
Fifth annual conference of the International Nuclear Target Development Society. (LA – 6850-C) 370666, 370667, 370669, 370741, 370742, 370758, 370759, 370760, 370761, 370763, 370765, 370766, 370773, 370774, 371138, 372959
Gurtner, H.P.
On the technique of selective double-isotope coronary scintigraphy with 99sup(m)Tc- and ^{111}In-HSA-microspheres. 349810
Use of gradient scintigraphy in cardiology. (INIS-mf – 4010) 362830
Gurvich, A.M.
Energy yield of roentgenoluminescence of polycrystal phosphors. 368797
Thermodynamic analysis of formation of luminescence centres in self-activated calcium tungstate. 364955
Gurvich, L.Ya.
Phase composition and properties of nitrided layer of low carbon stainless steels. (INIS-mf – 4046) 369920
Gurvich, R.V.
Investigation of radiation and excitation spectra and peculiarities of roentgenoluminescence of oxysulfides activated by terbium. (INIS-mf – 3955) 362147
Gurvich, Yu.M.
Method for the X-ray fluorescence analysis of suspensions. (Soviet patent document 448374/A/) 360581
Gurvitch, M.
Measurements of gap anisotropy in A15 Nb_3Sn. 367247
Gurwell, W.E.
Tritium production from ceramic targets: a summary of the Hanford coproduct program. Addendum: bibliography. (BNWL – 2097(Add.)) 358964
Gurzadyan, G.A.
Chromospheres of flare stars. 372180
Spectrometry of two 'ultraviolet' stars discovered by 'Orion-2'. 374912
Gurzleski, J.E.
Structural perfection of directionally solidified lamellar eutectics.

349433
Gus'kov, A.F.
Pecularities of the introduction of technetium isotopes into protein molecules using human serum albumin as an example. 373035
Preparation of carrier-free terbium-155. 370670
Gus'kov, Yu.K.
On volt-ampere characteristics of thermionic converters in the diffusion regime with Coulomb collisions. 349040
Gusachenko, A.G.
Microstructure of near-surface layers of CdSe monocrystals doped with copper. 369960
Photoelectric current and electroreflection of defect crystals of cadmium selenide. 359652
Gusak, A.A.
Multi-channel analog device for control of magneto-optical elements in particle beam channels. 357962
Gusakov, V.I.
Hydraulic resistance of tubes with artificial roughness at low Reynolds numbers. (FEI – 559) 349982
Gusareva, Eh.V.
On the action of radioprotective agents on the endogenous serotonin content and radiosensitivity of isolated Ehrlich ascites tumour and E. coli B. cells. 370316
Gusarov, A.V.
Mass-spectrometric investigation into equilibria due to ion participation. 358902
Mass-spectrometric study of evaporation products of the B_2O_3-WO_3 system. Formation heat of BWO_4 (gas). 357018
Gusarov, D.V.
Thermal regime for borehole apparatus. 357468
Gusarskij, V.V.
Spectral analysis of heat resisting alloys smelted in vacuum arc furnaces. 364872
Gusatinskij, A.N.
Emission bands of phosphorus and calculation of band structure of rare earth phosphides. 374652
X-ray spectral study of change in electron structure of $CdGeP_2$ in passing from crystalline to glass-like state. 351860
X-ray spectral study of electronic structure of Cd_3P_2. 357052
X-ray study of electronic structure of the $A^2B^4C_2^5$ and A^3B^5 type semiconductor phosphides. 374719
Guschina, N.A.
Diabatic correlation diagrams for quasimolecular collision processes. 377087
Guschtscha, O.J.
Measuring instrument to measure the velocity of ultrasonics while passing materials to be tested. (German (F.R.) patent document 2346920/B/) 376703
Guseinov, F.T.
Action of ATP on DNA injured by a prolonged irradiation. 362669
Gusejn-zade, A.A.
Variability of the lambda 4650 SIU emission line in the ND 16523 Wolf-Rayet star. 359046
Gusejnov, A.A.
Superconductivity in crystals without a symmetry center. 369243
Gusejnov, G.
Radiation of electron-hole plasma in GaSe monocrystals. 377158
Gusejnov, G.G.
The Gd_2S_3-Cr_2S_3 system. 375551
Gusejnov, I.K.
Spectrophotometric study of molibdenum (6) complexing with benzidine-bis-azo-pyrocatechol. 375463
Gusejnov, K.I.
On the profiles of vague lines in the rare earths spectrum of the solar photosphere. 361711
Gusejnov, M.S.
Electrophysical properties of $EuA_2^5X_4^6$ type compounds. 369624
Gusejnov, N.A.
Device for pulse registration. 365249
Gusejnova, Sh.A.
Physicochemical study of quasi-binary $Li_2OxB_2O_3$-Eu_2O_3 section. (INIS-mf – 4040) 378283
Gusel'nikov, V.G.
High time resolution and high output current photomultiplier. 358409
Gusev, A.A.
Pulse shape analyzer in a compound scintillation detector of an electron spectrometer. 379892
Gusev, D.I.
Solutions to the problems of radiation safety and evironmental protection in connection with the handling of radioactive waste at nuclear power stations in the USSR. 368464
Some approaches to the problem of determining standards for population exposure due to radioactive releases from nuclear power stations. 367799
Gusev, E.A.
Stereomicrotron. 365750
Gusev, N.G.
Evaluation, prediction and regulation of population exposure doses in connection with nuclear power plant operation in the USSR. 367758
Providing radiation safety at nuclear power plants. 357775
Gusev, O.A.
Application of charged particle accelerators in national economy. (INIS-mf – 4194) 376368
Application of explosive-emission cathodes for the production of high-current electron beams of large duration. (INIS-mf – 3954) 363178
Design of high-voltage and low-voltage power supplies for the DTRT(T-20) injector facility. (INIS-mf – 3954) 361536
High-current accelerators for thermonuclear researches. (INIS-mf – 3954) 363239
Power electron accelerator for industrial radiation chemistry installations (project). (INIS-mf – 4194) 376349
Prospects for the development of high-voltage electron accelerators for power industry. (INIS-mf – 4194) 376822
Pulse power supplies based on induction storages. (INIS-mf – 3954) 361545
Superconducting magnets for shaping beams of particles with a small life-time. (ITEF – 93(1975)) 374095
System for control of plasma filament equilibrium in the T-10M thermonuclear facility. (INIS-mf – 3954) 361641
Thermonuclear power plant based on a pulse reactor with a cumulating liner and its competitiveness evaluation. (INIS-mf – 3954) 361555
Gusev, O.V.
Influence of dispersivity on phase equilibria of crystalline materials. 365184
On the thermodynamics of the metal-carbon system. 367242
Gusev, S.I.
Pyridineazo compounds as reagents for zirconium. 372864
Study of heterocyclic azo compounds in analytical chemistry of zirconium. (INIS-mf – 4191) 375464
Gusev, V.A.
Electron microscopic studies of tungsten films irradiated with helium ions. (KFTI – 75-35) 353497
Helium desorption from tungsten foils irradiated by He^+. (KFTI – 74-47) 353496
Processes occurring in vacuum heating of silver films with helium implanted. (KFTI – 74-47) 354626
Studies of the irradiation and annealing effects on the tungsten surface bombarded by H_2^+, He^+, Kr^+ and Xe^+ ions of 1.6 MeV. (KFTI – 75-35) 354628
Study of processes at helium ion bombardment of thin silver films. 370229
Gusev, V.M.
Effect of ion doping on the blistering in OKh16N15M3B steel. (INIS-mf – 3954) 362533
Study on Ni and OKh16N15M3B steel radiation swelling under Ni ions bombardment at energy up to 300 keV. (INIS-mf – 3954) 362552
Study on the blistering when the helium ion spectrum is close to one expected in CTF. (INIS-mf – 3954) 364027
Vacuum-physical conditions effecting on selection of a material for a first wall and diaphagm of the T-20 demonstration thermonuclear reactor-tokamak. (IAE – 2545) 356111
Gusev, V.N.
Investigation of cathodic polarization of cadmium in citrate solution. 357019
Thermonuclear power plant based on a pulse reactor with a cumulating liner and its competitiveness evaluation. (INIS-mf – 3954) 361555
Gusev, V.P.
Analysis of the 6 MeV proton scattering on intermediate mass nuclei. 377855
Guseva, I.V.
Catalytic hydrocondensation of carbon oxide with olefins and their hydropolymerization under carbon oxide and hydrogen action. 375502
Guseva, L.I.
Transplutonium element separation on anionites using aqueous alcohol solutions of mixture of lactic and nitric acids. 359732
Guseva, L.M.
Spontaneous electrooptical absorption effect in a barium-strontium niobate crystal. 374720
Guseva, L.N.
Phase transformations in VT22M titanium base alloy during heat treatment. 351754
Guseva, M.I.
Effect of ion doping on the blistering in OKh16N15M3B steel. (INIS-mf – 3954) 362533
Study on the blistering when the helium ion spectrum is close to one expected in CTF. (INIS-mf – 3954) 364027
Vacuum-physical conditions effecting on selection of a material for a first wall and diaphagm of the T-20 demonstration thermonuclear reactor-tokamak. (IAE – 2545) 356111
Guseva, N.P.
Features of contact interaction of some refractory oxides with carbon. 359637
Guseva, N.S.
Device for spectrometry of powerful pulse X-radiation fluxes. (Soviet patent document 441491/A/) 354657
Gusevskaya, E.V.
Oxidative dimerization of benzene to diphenyl in the presence of heterogeneous catalysts. 378378
Gushzhina, R.T.
Development of ground methods for investigation of cosmic ray variations. 357525
Gusinskij, G.M.
On the ^{68}Ge excited states. 375178
Gusinya, I.M.
Instrumental neutron activation determination of manganese content in rocks using linear 5 MeV electron accelerator. (INIS-mf – 4188) 375277
Guslits, V.M.
Apparatus for gamma-radiation therapy. (Soviet patent document 405237/A/) 350041
Gusman, G.
Normal-metal – insulator – superconductor tunnel-junction study of the magnetic field dependence of superconducting thin films.

365194
Guss, W.C.
Studies of doublet plasmas in Doublet IIA. 358942
Gust, W.H.
Shock compression of pyrolytic, ceylon natural, and a hot-pressed synthetic graphite to 120 GPa. (UCRL – 79014) 351861
Gustafson, D.R.
Vacancy formation volume in indium from positron-annihilation measurements. 367240
Gustafson, E.K.
The mean magnetic field of the Sun: observations at Stanford. 366750
Gustafson, G.
Baryon decays and SU(3) breaking. 366846
A quark parton model for hadronic fragmentation distributions. 364463
Gustafson, H.R.
Experimental Hall design considerations. (ANL-HEP-CP – 77-50) 365736
Gustafson, T.K.
Novel microfabrication process. 357908
Gustafsson, H-Aa.
Mass yields in the binary fission of Ag, La, and Tb. (LUNFD6-NFFR – 3013) 375150
Gustafsson, H.Aa.
Mass yields in the binary fission of Ag, La and Tb. 362035
Gustafsson, M.
Hyperfine structure measurements in metastable atomic states – nuclear spins of ^{201}Pb and ^{203}Pb. 368643
Gustafsson, T.
Three-surface resonances on the (100) face of W and Mo: An angle-resolved synchrotron photoemission study. 365189
Gustavson, W.R.
Heat transfer and fluid dynamics in a volume-heated boiling pool. (CONF-761001 – P4) 362941
Gustavsson, R.
Iodine and common salt concentrations in urine from the inhabitants and employees at the Oskarshamn nuclear power plant. 354871
Gusti, E.Ya.
Effect of surface-active medium on impact ductility and steel dynamic strength in case of impact bending. 349437
Gustov, V.V.
Polymerization of γ-irradiated acrylamide at low temperature under action of shock waves. 375704
Gustova, L.I.
On the necessity for evaluation of the limits of radioactive waste disposal into water systems of international importance. 368394
Gustova, L.V.
Probability of the spin flip in 6 MeV proton inelastic scattering on ^{26}Mg. 378074
Gustyakova, M.P.
On features of substitution of multiply bonded ligands in tungsten complexes. 378229
Structure of polymeric niobium and tantalum ethoxy-fluoride complexes in solution. 359635
Gusynin, B.A.
Effect of alloying on the properties of the MR-47-VP alloy. 351804
Gutarev, Yu.V.
Drift wave excitation in the THETA-pinch high pressure plasma. (KFTI – 75-19) 377415
Gutbrod, F.
QED background to heavy lepton production in e^+e^- annihilation. (DESY – 77/45) 353815
Gutbrod, H.H.
Central collisions of relativistic heavy ions. 359486
Multiplicity and charged particle emission in relativistic heavy ion collisions. (LBL – 6537) 362066
Gutcho, S.
Simultaneous radioassay of serum vitamin B_{12} and folic acid. 362775
Guthals, P.
Preliminary results from sulfur hexafluoride and deuterated methane releases of December 10, 1975. (DP – 1455) 367429
Guthmann, E.
The execution of the KNK-II project from the producer's point of view. 376566
The influence of backfitting in the KNK II licensing procedure. 371021
The KNK-II test programme. 376575
The producer's experiences in converting the KNK into a fast reactor KNK II. 371024
Guthmann, E.A.
SNR construction experience. 379736
Status of preliminary design of SNR 2. 379762
Guthrie, B.N.G.
Dynamical evolution in clusters of galaxies with low-frequency radio emission. 372181
Guthrie, D.H.
New reduced zirconium halide phases from high temperature reactions. (IS-M – 117) 369615
Guthrie, M.P.
High energy (E less than or equal to 1000 GeV) intranuclear cascade model for nucleons and pions incident on nuclei and comparisons with experimental data. (ORNL/TM – 5710) 359380
Gutierrez Bernal, R.
Inspection during operation of a nuclear power plant in Spain. (INIS-mf – 3975) 368471
Gutierrez Jodra, L.
Recovery of uranium from phosphoric acid. 365099
Gutkina, G.I.
On peculiarities of using cathodes on tungsten-rhenium alloy base in vacuum luminescent low-voltage indicators. 349461
Gutkowska, J.
Measurement of plasma renin activity by radioimmunoassay. 357690
Gutlyanskij, E.D.
Theorems of the Gell-Mann – Feynman type for stationary nonadiabatic systems. 348683
Gutmacher, R.G.
Accountability methods for plutonium and uranium: the NRC manuals. (UCRL – 79615) 374496
Methods for the accountability of mixed oxide. (PB – 267116) 363732
Gutman, E.S.
Oxygen diffusion in TiO_2 and ZrO_2 non-stoichiometric oxides. 359623
Gutman, I.I.
Analytical formulae for atomic collision cross-sections in Born approximation. (INIS-mf – 3915) 348684
Effective potential method in inelastic electron-atom collisions. (INIS-mf – 3915) 348685
Effective potential of electron in a field of a many-electron atom. (INIS-mf – 3915) 348647
Gutmann, G.
US in-service testing of reactor pressure vessels; state of the art, illustrated by the example of the components of the Kruemmel nuclear power plant. 370888
Gutmann, H.
High-conversion HTRs and their fuel cycle. 379677
The Muelheim-Kaerlich nuclear power plant. 365888
Gutmann, H.B.
On-the-job training of nuclear power plant personnel. 352549
Training on the job of nuclear power plant personnel. 358134
Gutowski, H.
Applied cryogenics for Kr 85 and xenon separation from the waste gas of reprocessing plants. 369837
Gutsunaev, Ts.I.
Electromagnetic field of a charge near the Schwarzschild metric singularity. 374563
Gutsze, A.
The Moessbauer effect and magnetometric investigations of iron-doped sodium A-type zeolite. 374666
Guy, J.G.V.
Automatic measurement of events from track sensitive target experiments. (RL – 77-104/A) 358365
Guy, R.
Improvements in containers. (UK patent document 1480742/A/) 350020
Guyer, H.
A detailed analysis of the reaction ^{92}Zr(p, α)^{89}Y. 377891
Guyon, P.M.
Dissociation of energy selected ions by threshold photoelectron-photoion coincidence. 355881, 377028
H(2s) and H(2p) branching ratio in the photodissociation of H_2 near threshold. 366358
High-resolution photodissociation study in H_2 from 850 A to 750 A. 377018
High-resolution photodissociation study in H_2 from 850A to 750A. 353253
Guyonnet, J.L.
Strange particle production by antineutrinos. 356505
Guyot, M.
Measurements of the electrical conductivity in a plasma with current-driven ion-acoustic instability. 377416
Observation of anomalous resistivity caused by ion acoustic turbulence. 371911
Guz, W.
Axioms for nonrelativistic quantum mechanics. 368547
Guzdar, P.N.
Drift-convective cells in a nonuniform plasma with magnetic shear. (PPPL – 1351) 350894
Guzej, L.S.
Interaction of silicon carbide filaments with the matrix of a complex nickel alloy. 370088
Investigation of samarium solubility in the magnesium based solid solution. 378717
Study of phase equilibria and properties of the Mg-Y-Zr system alloys. 369929
Thermodynamic properties of solid solutions of niobium and tungsten in nickel. 354384
Guzek, J.W.
The incorporationof ^{35}S in the hypophysis and some brain structures following intracisternal ^{35}S-cystine administration in hydrated and dehydrated rats. 354843
The release of ^{35}S from the cut hypothalamic end of the pituitary stalk following intravenous infusion of ^{35}S-cysteine in rats. 354891
Guzik, Z.
Readout system for magnetostriction spark chambers. (JINR – 13-9919) 379860
Guzzi, G.
Comparison of various analytical techniques for homogeneity test of candidate standard reference materials. 372865
Gvelesiani, L.T.
Extraction of thorium with some pyrazolone derivatives. A new version of photometric determination of thorium with arsenazo 3. 364838
Extraction-photometric methods with substitution of reagent. (INIS-mf – 4191) 375215

Gvilava, S.E.
Protection of aliphatic alcohols by thiols. (INIS-mf – 3782) 349359
Radiation-chemical synthesis of some organic sulfur compounds. (INIS-mf – 3782) 351651
Radiation-chemical transformation of organic sulfides. (INIS-mf – 3782) 357171
Radiation-chemical transformation of thiourea. (INIS-mf – 3782) 349358
Radiation-chemical transformations of compounds with sulfhydryle group. (INIS-mf – 3782) 349357
Gvildys, J.
Generalized Eulerian method in reactor containment analysis and its comparison with other numerical methods. (CONF-761001 – P3) 365534
Structural dynamics in LMFBR containment analysis: a brief survey of computational methods and codes. (CONF-770807 – 37) 365971
Gvozdev, A.A.
Investigation of the buildup kinetics of molecular nitrogen, N_2 and nitrogen monoxide N_2O in the $2NO_2$ reversible $2NO + O_2$ system depending on pressure. 365221
Gvozdeva, N.I.
Effectiveness of automyelotherapy of irradiated dogs depending on the number of transplanted cells. 376110
Gvozdyukevich, I.F.
Effect of dialkylphosphites on fire resistance of irradiated polyethylene. 359768
Gwal, A.K.
Electrostatic waves in the warm magnetoplasma at the cyclotron harmonic frequencies. 350861
Wave-particle interaction in magnetoplasma around the upper hybrid resonance. 366549
Gwaltney, R.C.
Thermal stress analysis of HTGR fuel and control rod fuel blocks in the HTGR in-block carbonization and annealing furnace. (ORNL/TM – 5861) 363470
Thermal-stress analysis of HTGR fuel and control rod fuel blocks in in-block carbonization and annealing furnace. (CONF-770807 – 28) 358251
Gwardys, S.
Effect of spirit irradiation with ^{60}Co gamma-rays. 373051
Gwiazdowska, B.
Comparison of calculated and measured values of scintillation camera sensitivity. 368294
The effect of pulse losses in a scinticamera. 355550
Gwiazdowski, B.
Environmental studies of the earth gamma radiation background at one of the planned sites of the first Polish nuclear power station. 354658
Gwozdz, R.
Determination of lithium by instrumental neutron activation analysis. 369546
Gwyther, J.R.
Electrochemical measurement of carbon potential in sodium – steel systems. (CONF-760503 – P2) 358287
Gyarmati, B.
Strength decoupling from the giant dipole resonance upon diagonalizing a Gaussian force and a delta-force on a particle-hole basis. 372602
Gyftaki, E.
Serum folic acid and Vitamin B-12 level in elderly. (INIS-mf – 4010) 370486
Gygax, F.N.
Depolarization of positive muons in Cu. 377172
Knight shift measurements by spin rotation of positive muons (μ^+SR) in ferromagnetic Ni. 377173
Muonium states in silicon. 377195
Positive muons in copper: Detection of an electric-field gradient at the neighbor Cu nuclei and determination of the site of localization. 363875
Gyimesi, Z.
Development of the national nuclear programme and preparations for the introduction of nuclear power in Hungary. 371332
Gylfe, E.
Calcium and pancreatic β-cell function. 379096
Gyllander, C.
Safety and radiation protection in nuclear power generation. Laws, standards and basic principles. (KBS-TR – 41) 376212
Gyllander, Christina
A composite dose calculation model for local, regional and global atmospheric dispersion. 370558
Gypen, L.A.
Multi-component intrinsic solid solution softening and hardening. 367248
Gyr, W.
Decay heat removal plan of the SNR-300: a licensed concept. (CONF-761001 – P2) 365585
Gysel, W.
Non-magnetizable cast steel for components of the toroidal magnetic field of the JET project. 369994
Production of high-pressure nuclear components from austenitic-ferritic cast steel. 369961
Gysen, M.
Λ and anti Λ production in K^+p interactions at 32 GeV/c. 372512
Gysler, G.
Thermal loads on the absorber rods of the PNP reactor. 370963
Three-dimensional problems in the design of gas-cooled HTR cores with regard to thermo- and fluid dynamics. 370961
Gyte, G.M.L.
Lymphocyte transformation in cancer patients: variation in results according to technique. 379097
Gyul'budagyan, A.L.
Conspicuous changes of the shape of two cometary nebulae. 369094
Gyulai, J.
Determination of boron range distribution in ion-implanted silicon by the $^{10}B(n, \alpha)\ ^7Li$ reaction. 364900
He backscattering and infrared absorption studies of natural diamond containing high concentrations of implanted silicon. 370123
Gyulassy, M.
Pionic instabilities in high-energy heavy ion collisions. (LBL – 6525) 364690
Gyulia, J.
Ionization enhanced annealing in phosphorus implanted silicon. 368882
Gyurcsak, J.
Geostatistical method of interpretation of nuclear well logs. 375974
Gyurkocza, Cs.
Radioanalysis of water circuit at nuclear power plants. 365853
Gyurkovich, A.
An asymptotic form of the smooth part of the total single-particle energy. 356656
Gzowski, O.
Performance of channel multiplier made of oxide glass. 379884
Haack, U.
Fission track dating of garnet and vesuvianite (idiocrase). 354659
Haak, A.
Thyroid suppressibility and functional autonomy in euthyroid multinodular goitre. (INIS-mf – 4010) 370514
Haake, N.
Gas-cooled, graphite-moderated nuclear reactor. (German (F.R.) patent document 1614916/C/) 355419
Haan, O.
Approximate crossing sum rules for partial-wave amplitudes. 372430
Haan, P.H. de
The energy loss of a relativistic electron beam measured by means of a scintillator and a photodiode. (INIS-mf – 3963) 371908
Relativistic electron beam scattering due to beam-plasma interaction. (INIS-mf – 3963) 371880
Haarvisto, M.
On the effects of microstructure on the attenuation of ultrasonic waves in austenitic stainless steel. 358015
Haas, B.
Spin and g-factor of the 40keV level in ^{45}Ti. (CRN-PN – 77-2) 354269
Haas, D.
Results of in-pile creep measurements on pressurized capsules made of stabilized stainless steels WNr. 1.4981, CW and WNr. 1.4970, CW,A. 360058
Haas, E.
Device to contain semiconductor material to be doped where the doping is carried out in the reactor. (German (F.R.) patent document 2524378/A/) 354601
Haas, F.
Reaction cross sections for $^{16}O + {}^{16}O$. 359500
Reaction cross sections for $^{16}O + {}^{16}O$. (CRN-PN – 77-4) 354221
Haas, Florent
Heavy ion induced reactions and spectroscopy of light nuclei. (CRN-PN – 77-14) 369484
Haas, G. de
Functional imaging of the blood flow in the kidney, comparison with selective X-ray angiography. (INIS-mf – 4010) 362725
Radionuclide evaluation of bone maturation in patients with para-osteo-arthropathy (P.O.A.). (INIS-mf – 4010) 357691
Haas, H.
Constructive measures to increase the availability of large steam turbines. 368012
Investigation of the function and service life of rotary penetrations, bearings, and key mechanisms under HTR conditions. 370851
Layout of spindle-driven torsion bars for pebble-bed reactors. 370962
Localized vacancies in palladium produced by thermal neutron capture recoil. 371574
Haas, K.A.
Pebble bed HTR with once through fuel cycle. 355442
Pebble-bed HTR in the "once through" fuel cycle. (ERDA-tr – 318) 370994
Haas, M.
Combined injections effects on the LWR reflood process. 379249
Haas, P.A.
Development, design, and preliminary operation of a resin-feed processing facility for resin-based HTGR fuels. (ORNL/TM – 6061) 378467
Resin-based preparation of HTGR fuels: operation of an engineering-scale uranium loading system. (ORNL – 5300) 365103
Haas, R.A.
Evidence for profile steepening in laser-irradiated plasmas. 364240
Haas, W.
Applied cryogenics for Kr 85 and xenon separation from the waste gas of reprocessing plants. 369837
Radiotherapy today: mevatron 20, a compact high-power accelerator. 365664
Haase, A.R.
Nuclear magnetic shielding and quadrupole coupling of ^{133}Cs in cesium salt powders. 355990
Haase, G.
Determination of main and trace elements in Luna-16- and Luna-

20-material. 354288
Investigations on the photographic elementary process in AgCl single crystal foils. 360120
Solid state nuclear track detectors: track forming, stabilizing and development processes. 360085
Haasz, A.A.
Canadian gas target neutron generator research. 355180
Haatuft, A.
Measurement of the branching ratios of multi-pion final states in anti pp annihilation at 1.6 GeV/c. 366884
Haba, Z.
An infinite component field-theoretic model in Gelfand-Naimark z-basis. 355766
Habara, Tadashi
Effectiveness of author-assigned keywords to INIS indexing. 355685
Habbal, F.
Flux flow current-voltage characteristics and their magnetic field dependence in a type II superconductor. 366796
Flux flow noise power spectra in the presence of local pinning interactions. 351117
Habbestad Waetzig, A.M.
Mass-yield distributions in the reaction of ^{56}Fe ions with ^{238}U. 351410
Habe, A.
Linear waves in a radiating and scattering grey medium. III. 349003
Habedank, B.U.
Temperature dependence of optical properties of Ta-W-Re alloys. 350734
Habeeb, J.J.
Direct electrochemical synthesis of neutral and anionic chloro- and bromo-complexes of titanium, zirconium and hafnium. 362183
Habener, J.F.
Radioimmunoassay for proparathyroid hormone. 357640
Haber, H.E.
The search for the A_1 meson. 356424
Haberkorn, R.
Sensitized charge carrier injection into organic crystals studied by isotope effects in weak magnetic fields. 354324
Haberkorn, R.A.
$^{13}C-^{13}C$ dipolar spectra in solids. 369720
Deuterium nuclear magnetic resonance investigation of the dipalmitoyl lecithin – cholesterol – water system. 378284
Haberland, H.
Crossed molecular beam study of H and D atom reactions with NO_2. 359609
Molecular beam study of the HeNe-laser pumping transition. 358799
Habermann, E.
Affinity chromatography of tetanus toxin, tetanus toxoid, and botulinum A toxin on synaptosomes, and differentiation of their acceptors. 352102
Habibulla, M.
Axonal transport of labelled proteins and increased functional activity in sciatic nerve of the frog Rana hexadactyla in vitro. 373688
Habighorst, L.V.
Renal function measurements before and after catheter embolisation of the renal artery. (INIS-mf – 4010) 357694
Habraken, L.
Fe-13Cr-Ti-Mo ferritic alloy as material for a fast reactor. 369950
Habs, D.
Fission of ^{238}U induced by ^{136}Xe for energies close to the Coulomb barrier. 359488
Lifetime measurements of nuclear levels with the charge plunger technique. 379953
A position sensitive parallel plate avalanche detector (PPAD) for fission fragments. 379904
Habu, Takashi
Practical use and characteristics of thermoluminescence dosimeters as a personal monitor. 360536
Hachenberg, G.
Creep tests to determine the qualification of HTR alloys. 370780
Hachiya, Y.
Thermal-neutron behavior cluster-type plutonium fuel lattices. 352456
Hacinliyan, A.
Phenomenological analysis of the Pomeron-f complex in hadron total cross sections. 359257
Hack, M.
The heterogeneity of surfaces of magnetic Ap stars. 369096
The ultraviolet spectrum of beta Lyrae. 369095
Hackenbroich, H.H.
Analytic methods for refined resonating group calculations. I. 377892
Hacker, H.
On sawtooth oscillations and MHD modes in the W VII A stellarator. (INIS-mf – 3963) 371780
Hackett, C.D.
Process and arrangements for removing a tube from a tube plate. (German (F.R.) patent document 2615521/A/) 352475
Hackett, N.R.
Techniques for determining turnover and cell type distribution in normal Chinese hamster lung. (LF – 56) 362726
Hackett, P.L.
Bone tumors induced by inhalation of $^{238}PuO_2$ in dogs. 365453
Effects of ^{239}Pu administered at 9 days of gestation on hematologic development of the rat. (BNWL – 2100(Pt.1)) 360320
Mobilization of plutonium burdens during pregnancy. (BNWL – 2100(Pt.1)) 360316
Hackl, A.
Optimized cross-section determination for treatment planning in radiation therapy. 357878
Hackmack, E.
Evidence for the tau → γrhoπ decay mode. 372500
Hackstein, K.
Procedure for making spherical oxide- or carbide-ceramic particles. (German (F.R.) patent document 1542346/C/) 351689
Pyrocarbon-coated fuel particles for fuel elements of HTR reactors. 352685
Hackwell, J.A.
Copernicus spectra and infrared photometry of 42 Orionis. 361704
Hacman, D.
The determination of power distribution in the IRT-M modified core of the VVR-S reactor by using an experimental bundle. 358044
Hadari, Z.
NMR study of thorium hydrides. (IA – 1338) 364091
Nuclear fuel research and development – influence of various manufacturing parameters on some characteristics of UO_2 powders and their sintering behaviour. (INIS-mf – 4052) 368039
Hadermann, J.
Evidence on the influence of fission channels on fission phenomena. 377900
Fission barriers for even-even actinide nuclei. 351292
Probabilities of muon induced nuclear reactions involving charged particle emission. 372832
Study of pion and muon induced fission. 377893
Hadjebi, B.
Determination of stray light and sunspot intensities based on the observation during the solar eclipse of 30 June, 1973. 372182
Hadjimichael, E.
Charge structure of ^{3}He investigated by means of e-^{3}He elastic scattering. 372617
Hadley, G.R.
Sandia Laboratories: particle beam fusion research. 358944
Haeberli, W.
Tensor analyzing powers in ^{64}Zn(d, t)^{63}Zn and ^{64}Zn(d, ^{3}He)^{63}Cu at Esub(d) = 13 MeV. 354164
Vector analyzing power and cross section for (d, t) and (d, ^{3}He) reactions on ^{64}Zn at Esub(d) = 13 MeV. 354163
Haebler, D. von
The design of KWU-LWR safety systems. 370852
Haefele, W.
Energy options open to mankind beyond the turn of the century. 366227, 376793
Significance of energy for the standard of living, the economic development and the environment. 368418
Haefner, H.E.
Irradiation devices for the study of creep and swelling in ceramic fuels. 360744
Haefner, R.
Short periodic oscillations of the dwarf nova VW Hydri. 374913
Haeggblom, H.
Calculations of nuclide migration in rock and porous media, penetrated by water. (KBS-TR – 52) 376767
Diffusion of soluble materials in a fluid filling a porous medium. (KBS-TR – 09) 362572
Haehn, J.
State and tendencies of chemical protection against ionizing radiation. (SAAS – 221) 365398
Haehnert, M.
Modern methods of studying surfaces and their application to glasses. (ZfK – 333) 371670
Haelbich, R.P.
Optical properties of some insulators in the vacuum ultraviolet region. 350735
Haelg, W.
Crystal-field splitting and relaxation effects in CeAs. 378637
Magnetic phase transitions of CeSb: results of structure refinements. (RISO – 369) 368777
Haellgren, R.
The uptake of IgG and IgM coated sheep erythrocytes in perfused rabbit liver. 376154
Haen, P.
Experimental evidence for the presence of a non-magnetic 5d virtual bound state in the 4f-Kondo alloy Au Yb. 378605
Haendel, D.
Methodological investigation of the determination of ^{15}N in nitrogen fixed to rock materials. 372866
Haendel, R.
Pion-deuteron scattering in a D* model. 372618
Haendle, J.
High-resolution X-ray television and high-resolution video recorders. 366020
Haenni, D.
High-spin states and isomers in light transitional nuclei around N = 80. (ZfK – 336) 369495
Haenni, D.R.
Negative-parity yrast states in ^{150}Gd. 351359
Vibrational levels in the 86-neutron nucleus ^{150}Gd. 364776
Haensel, P.
Charge asymmetry in low-energy nucleon-nucleon scattering parameters and nuclear binding energies of heavy nuclei. 351287
Coupling of isospin oscillations to density oscillations in asymmetric nuclear matter. 369429
The deformation of the Fermi surface in polarized nuclear matter. 356589
Model nuclear matter calculations in several Brueckner and Green's function theories. 369428

Nuclear optical model potential in the Λ_{10} approximation. 377915
Haentzschel, H.
sup(133m)Xe for labelling gaseous phases in technical tracer experiments. 373984
Haerdi, W.
Determination of rare-earth elements in rocks by neutron activation followed by high-resolution X-ray spectrometry or γ-spectrometry. 375383
Haeringen, W. van
On the Josephson effect between superconductors in singlet and triplet spin-pairing states. 353741
Haese, R.L.
Nuclear data sheets for A = 242. 359478
Haesen, G.
Investigations on the mutagenicity of γ-irradiated solutions of glucose. (SGAE – 2457) 354736, 373480
Haesen, W.
Radiographic and ultrasonic inspection of an austenitic pump barrel. (IWGFR – 10) 363509
Ultrasonic testing, state of the art and possible developments. (IWGFR – 10) 363416
Haessler, A.
The chemistry of positronium. III. 362196
The chemistry of positronium.-Part. III: inhibition and quenching by silver and cadmium salts. (CRN-CNPA – 77-12) 354404
Haeuser, J.
Simulation of temperature distribution, BOD, and DO by thermal effluents of power plants. (GKSS – 77/E/37) 360440
Haeusler, D.
Decision against Wyhl nuclear power plant. 361179
The nuclear power station verdicts in the Freiburg administrative court and the Wuerzburg administrative court in March 1977. 355673
Haeusser, O.
Core-excited high-spin isomers in ^{212}Rn. 351371
Magnetic moments of N = 50 isotones and proton core polarization. 372761
Haeussermann, W.
Demand and supply estimates for the nuclear fuel cycle. 366161
Nuclear power programmes and medium-term projections in the OECD area. 366142
Hafer, J.F.
Sputtering erosion of fusion reactor cavity walls. (LA – 6633-MS) 364174
Haferkamp, D.
Cylindrical prestressed concrete pressure vessel for a nuclear power plant. (German (F.R.) patent document 2518357/A/) 358255
Design concept of the 3x360-MW(e) HHT reference nuclear power plant. 379680
Pipe connection for high pressure and temperature loads. (German (F.R.) patent document 2452770/A/) 355143
Haferl, R.
Hyperfine interactions in $RE_2(Fe, Co)_{17}$ (RE = Y, Gd, Dy). 371688
Hyperfine interactions in $RE_2(Fe, Ni)_{17}$. 371689
Hyperfine interactions in Y_2Fe_{17}. 348847
Hafez, M.B.
Aspects of chelation chemistry of transuranium elements for their removal from body. 354844
Hafez, N.
Aspects of chelation chemistry of transuranium elements for their removal from body. 354844
Haff, P.K.
Ion-beam-induced atomic mixing. 351440
Sputtering by fast electrons. 353483
Haffner, D.R.
Evaluation of LMFBR performance characteristics in the U.S. nuclear energy system. 352751
Hafiez, A.A.
Amino acid tolerance test using L-β-phenylalanine-^{125}I. 373762
Hafner, H.
The mass and low-lying level structure of ^{17}C. 362083
Strong effect of isospin mixing in ^{16}O. 364831
Hafner, P.
Pseudo-potential approach including relativistic effects. 374619
Hafner, S.S.
The Moessbauer spectrum of ^{57}Fe in titanium-bearing andradites. 363942
Haftel, M.I.
Application of the three-body model to the reactions ^{6}Li(^{3}He,t ^{3}He)^{3}He and ^{6}Li(^{3}He,^{3}He^{3}He)^{3}H. 351288
Haga, T.
Reactivity worths of annular control rods in a pressure-tube-type heavy water lattice. 352507
Hagan, R.C.
Steady state heat transfer analysis of molten core-reactor vessel system. 355487
Hagberg, E.
Alpha decay of neutron-deficient ytterbium isotopes and their daughters. 375179
Coherent production of low-mass $p\pi^+\pi^-$ states in the interaction of 18.6 GeV/c protons with ^{4}He nuclei. 372518
Decay of a T/sub z/ = – 2 nucleus: Argon-32. 364777
Hage, W.
Nuclear transmutation of actinides other than fuel as a radioactive waste management scheme. 368363
Hageboe, E.
Decay studies of some nuclei around Z = 50: sup(106 m)Ag, sup(103, 119, 121)Cd. (INIS-mf – 3946) 362070
Mass yields in the binary fission of Ag, La and Tb. 362035
Mass yields in the binary fission of Ag, La, and Tb. (LUNFD6-NFFR – 3013) 375150
Hagedoorn, H.L.
Applied research with the Eindhoven A.V.F. cyclotron. (INIS-mf – 4267) 378152
Hagedorn, R.
A soluble field theoretical model for strong interactions inspired by the statistical bootstrap. 372407
Hagelberg, R.
Measurements on light antiprotonic atoms. 376976
Study on antiprotonic atoms of light nuclei and isotopes. 371523
Hagelund, H.
Lifetime and fission-probability estimates. 356603
Hageman, D.C.J.M.
The γ-ray quasi-continuum spectrum of highly excited nuclei investigated with a multiplicity filter. (INIS-mf – 4267) 378075
Proton hole states in ^{114}Cd excited in the ^{115}In(d,^{3}He)^{114}Cd reaction at Esub(d) = 50 MeV. 356776
The QMG/2 magnetic spectrograph and its focal plane detector. (INIS-mf – 4267) 379877
Hagemann, G.B.
Decay of the compound nucleus ^{74}Kr formed in the reaction ^{16}O + ^{58}Ni. 354265
A new experimental method for the study of regions of high spin and excitation energy. 378070
A study of γ-decay modes from high angular momentum nuclear states by high order multiplicity measurements. 377955
Hagemann, J.
Scintigraphic abscess localization with sup(99m)Tc-labelled leukocytes in comparison with ^{67}Ga-citrate. 349806
Hagemann, U.
Collective excitations in the $^{123, 125}$I nuclei. 356777
Collective high-spin states in ^{121}I. (ZfK – 336) 364779
High-spin states in odd-A Te isotopes. (ZfK – 336) 364778
High-spin states in the N = 82 nucleus $_{61}{}^{143}Pm_{82}$. (ZfK – 336) 364816
Hagen, C.R.
Interacting Rarita-Schwinger field on the light front. 358684
Massless propagators on the light cone. 363784
Noncovariance of the Schwinger monopole. 361810
Hagen, E.C.
Low-lying levels of ^{94}Nb. (BNL-NCS – 22500) 356778
Low-lying levels of ^{98}Tc. 351393
Hagen, H.G.
Repair and inspection methods in nuclear power plants with a view to low radiation exposure. 370861
Screwing and holding device for lock nuts, especially for screwed joints of reactor pressure vessels. 355161
Hagen, K.G.
Vapor cycle energy system for implantable circulatory assist devices. Final summary May – Oct 1976. (PB – 268221) 365666
Hagen, M.
Disposal of nuclear wastes. 368391
Fuel-cycle centres. 367195
Why reprocess. 361160
Hagen, O.
High temperature liquid circulating pump with vertical shaft. (German (F.R.) patent document 2011852/B/) 355280
Hagen, S.
Experimental investigations of the meltdown phase of UO_2-Zircaloy fuel rods under conditions of failure of emergency core cooling. (KFK – 2435) 357776
Study on the meltdown behaviour of LWR fuel rods. Experimental results. (AED-Conf – 76-699-008) 360441
Hagen, U.
Radiobiological research in the large-scale research facilities in the Federal Republic of Germany. 355706
Repair of radiation-induced DNA strand breaks in thymocytes. 349696
Hagen, W.
Direct observation of misfit dislocations in growing epitaxy layers. 366421
Hagena, O.F.
Negative ions produced from clusters for plasma heating. (INIS-mf – 3963) 371742
Hagenberg, W.
External radiation and radioactive contamination control in a plant for fabricating plutonium-bearing fuel. 360442
Plutonium recycling in LWR reactors. 371255
Safety aspects of LWR fuel reprocessing and mixed-oxide fuel fabrication plants. 369834
Hagenmuller, P.
Relationship between structure and some physical properties of a new high-pressure series of perovskite-like oxides. 375925
Hagenson, R.L.
Reversed-field pinch reactor (RFPR). 377417
Hager, E.R.
Remote maintenance system requirements for the ignition test reactor. (GA-A – 14474) 371881
Hager, W.D.
Effect of pelvic inflammatory disease on enteric complications following radiation therapy for cervical cancer. 362711
Haggard, D.K.
Weldability of hot isostatically pressed prealloyed titanium 6Al – 4V powder. 362411
Haggard, J.
Improving regulatory effectiveness in Federal/State siting actions. Success factor evaluation panel. Final report. (PB – 269385) 366177
Success factor evaluation panel. Improving regulatory effectiveness in federal/state siting actions. (NUREG – 0196) 358570

Haggin, G.L.
AERIN: a computational version of the ICRP lung model. (UCID – 17000) 362752
Haghgooie, M.
Momentum density measurements with a new multicounter two-dimensional angular correlation of annihilation radiation apparatus. 358342
Hagiev, Z.N.
Instrumentation for spin-echo nuclear magnetic logging. 375962
Hagihara, T.
Dislocation interaction with radiation-induced single halogen interstitials in KBr. 375956
Haginoya, T.
Present status and development of Japan's safeguards system. 371287
Hagiwara, K.
Substituted uranocenes with alkoxy and amino groups. 365022
Hagiwara, Koji
Port of vacuum vessel. 366550
Hagiwara, S.
R.F. plugging and heating of magnetized sheet plasma. (INIS-mf – 3963) 372069
Hagiwara, T.
Flavor-changing neutral-current processes in gauge models and strong interactions. 372431
What can we learn from $e^+e^- \rightarrow U^+U^- \rightarrow \mu^{+-}$hadrons + neutrinos. 359258
Hagleitner, K.
Energy dispersive analysis of ettringites in cement paste samples. 354588
Hagler, M.O.
Ablation rates of polystyrene microspheres in a theta-pinch plasma. 366628
Haglund
$^3H(\alpha,^6Li)n$ reaction at zero degrees. (BNL-NCS – 22500) 356728
Scattering of polarized tritons by ^9Be and ^{12}C. (BNL-NCS – 22500) 356870
Haglund, R.F. Jr.
$^3H(\alpha,^6Li)$ n reaction at 0^0. 359465
Haglund, R.J. Jr.
Proton hole states in ^{187} ^{189} ^{191}Re investigated by the (t(pol),α) reaction. 354205
Hagmann, S.
An absolute measurement of the probability for 1s sigma and 2p sigma excitation of the lead K shell. 377073
Characteristic and quasimolecular X-rays from collision systems with $Z_1 + Z_2 = 133$, 134 under single and multiple collision conditions. 353292
X-ray emission in heavy ion-atom collisions: critical impact parameter for target K ionization. 358707, 376970
Hagn, L.
Fracture studies and detection of causes of failure. Problems with ferrous materials. 349491, 349511
Hagspiel, W.
Dead time and recovery time investigations on grinding plants with the aid of radioisotopes. 360588
Examination of the effect of homogenisation in stock silos for cement raw meal by aid of radio isotopes. 349966
Hagstroem, I.
Separation of actinides from HAW solution. (STU – 76-4120) 376759
Hagstrum, H.D.
A study of surface reproducibility and impurity segregation using ion neutralization and photoemission spectroscopies. 377280
Hahlbohm, H.-D.
Field attenuation as underlying principle for cryo current comparators. 360724
Hahn, A.A.
An experimental study of the E0, E2 and E4 charge moments of ^{161}Dy using muonic atoms. 369505
Nuclear charge parameters and quadrupole moment in ^{105}Pd from muonic X-rays. 372827
Reply to the Comment on "Dependence of the Ta K x-ray energy on the mode of excitation". 358752
Hahn, E.W.
Local tumor hyperthermia in combination with radiation therapy. I. Malignant cutaneous lesions. 357594
Hahn, F.F.
Biological effects of repeated inhalation exposure of beagle dogs to aerosols of ^{144}Ce in fused aluminosilicate particles. III. (LF – 56) 362716
Deadspace breathing as a screening test for early lung damage. (LF – 56) 362741
In vitro phagocytosis of respirable sized monodisperse particles by rabbit alveolar macrophages. (LF – 56) 362727
Inhalation toxicology of industrial uranium and plutonium mixed oxides. I. Generation of aerosols from dry powders and preliminary rodent studies. (LF – 56) 365419
Morphologic characteristics of lung tumors in beagle dogs after inhalation of ^{91}Y in fused aluminosilicate particles. (LF – 56) 365429
Repeated inhalation exposure of mice to $^{144}CeO_2$: lung tumors. V. (LF – 56) 362728
Repeated inhalation exposure of mice to $^{144}CeO_2$: retention and dosimetry. IV. (LF – 56) 362737
Repeated inhalation exposure of Syrian hamsters to $^{144}CeO_2$. II. (LF – 56) 362738
Synthesis of surface-active phospholipids by a cell culture of a combined cell carcinoma of the lung from a beagle dog. (LF – 56) 362845
Toxicity of inhaled ^{144}Ce fused aluminosilicate particles in BALB/C mice. (LF – 56) 365425
Toxicity of inhaled ^{144}Ce in fused aluminosilicate particles in immature beagle dogs. V. (LF – 56) 365414, 365427, 365428
Toxicity of inhaled ^{90}Sr in fused aluminosilicate particles in beagle dogs. VII. (LF – 56) 365458
Toxicity of inhaled ^{90}Y in fused aluminosilicate particles in beagle dogs. VIII. (LF – 56) 365440
Toxicity of inhaled ^{91}Y in fused aluminosilicate particles in beagle dogs. VII. (LF – 56) 365441
Toxicity of inhaled beta-emitting radionuclides: an experimental approach. (LF – 56) 365426
Hahn, F.J.
Effects of Californian PRC 25500 on nuclear power plant licensing. 358571
Hahn, G.
About the calculation of bremsstrahlung outside of accelerator buildings. 359363
Bremsstrahlung components outside of accelerator buildings. 2. (TU-Inf – 05-22-76) 355217
Signal and noise response in various configurations of charge sensitive preamplifiers. 379893
Silicon spectrometer with a Peltier refrigerator. 355503
Hahn, G.T.
Critical experiments, measurements, and analyses to establish a crack arrest methodology for nuclear pressure vessel steels. Quarterly report no. 9, Oct – Dec 1976. (PB – 269339) 365551
Hahn, H.
Joint test rig for testing and calibrating of different methods of two-phase mass flow measurement. (KFK – 2435) 358442
Reducing β/sub x/ and X/sub p/ by the use of a split quadrupole lattice. (BNL – 50742) 379497
Hahn, O.J.
Derivation of finite medium age-diffusion kernels in source-sink theory. 355246
Hahn, R.L.
Mass asymmetry and total-kinetic-energy release in the spontaneous fission of ^{262}[105]. 369464
Production, L x-ray identification, and decay of the nuclide ^{260}105. 364745
Hahn, Y.
Direct radiative capture of high-energy electrons by atomic ions. 348686
Dominant Auger process in electron-impact ionization of Mo ions. 350623
Hahne, A.
Measuring atmospheric tracer gases in seawater. (Juel – 1444) 365305
Hahne, F.J.W.
Elementary excitations in nuclei. (INIS-mf – 4148) 366269
Negative-parity spectra for mass-18 nuclei in the dynamic-interaction propagator approach. 356605
Haider, K.
Bound or absorbed methabenzthiazuron residues in soil. 357666
Decomposition in soil of specifically carbon-14-labelled DHP and corn stalk lignins, model humic acid-type polymers and coniferyl alcohols. 357660
Studies on soil humic compounds, fungal melanins and model polymers by pyrolysis mass-spectrometry. 356945
Haidlen, F.
Reactor building for a nuclear reactor. 352651
Haidt, D.
High energy behavior of weak interactions and renormalizable theories. (IN2P3 – 77-01) 369326
Total cross sections for charged-current neutrino and antineutrino interactions in BEBC in the energy range 20-200 GeV. 353945
Haight, R.C.
Detection system for charged particles produced by neutrons. 379854
Hydrogen and helium production cross sections for 15-MeV neutrons on types 316 and 304 stainless steel. 351361
Measurement of the proton spectrum from the $^2H(n,p)2n$ reaction at 13.98 MeV and the neutron-neutron scattering length. 351360
Review of neutron data: 10 to 40 MeV. (UCRL – 79453) 361909
Hailer, H.
Spectrally resolved measurements of collective scattering from thermal plasma fluctuations using a CW-CO_2 laser. 353558
Hailfinger, G.
Vibrations in the pressure suppression system of BWR reactors with flexible, water-charged spherical containment. 370879
Hain, K.
Investigation of the fuel-rod-behavior during the blowdown-phase of a loss-of-coolant-accident. (KFK – 2435) 358178
Haire, R.G.
First preparation of an einsteinium(II) compound, $EsCl_2$. (ORO – 4447-061) 373014
Recent studies on the californium oxide system. 357360
Haitsma, Y.
Excitation of core-coupled states in ^{207}Pb. (INIS-mf – 4267) 378002
Hajdukovicj, D.
Contribution to classification of metalic ore mines in relation of radioactive occurances in mines. 370162
Hajeb-Hosseinieh, H.
Plasma fluxes between ionosphere and protonosphere. 378926
Post-geomagnetic storm protonospheric replenishment. 378927
Hajek, B.K.
Experience with a viable Reactor Sharing Program for expanded reactor utilization. 358315
Hajek, F.
Radioanalytical determination of strontium by the method of

concentration dependent distribution using solvent extraction in the presence of EDTA. (INIS-mf - 3849) 378139
Hajicek, J.
Experience with ground water labelling with tritium. (INIS-mf - 4143) 373439
Hajicek, P.
'Splendeurs et miseres' of Hawking's effect. 356247
A necessary condition for Killing horizon to be event horizon. 355767
Hakanen, M.
Plutonium and americium in the foodchain lichen-reindeer-man. (CONF-770409 - 11) 362761
Hake, A.
Method to separate bivalent Ni, Co, Cu, Mn, Zn, Pb, Ca and/or Mg from higher-valent cations of Fe, Cr, Al, As, Ti, Sb, Sn, Mo, W, Ta, and/or Nb from chloride solutions. (German (F.R.) patent document 1963198/C/) 378115
Hakim, R.
Transport coefficients of the relativistic degenerate electron gas in a strong magnetic field. 349033
Hakim, S.J.
Hydrodynamic model for treating transient freezing in pin bundles. (CONF-761001 - P4) 362942
Hakkila, E.A.
Analytical chemistry needs for nuclear safeguards in nuclear fuel reprocessing. (LA-UR - 77-2067) 363730
Hakonson, T.E.
Comparative distribution of plutonium in contaminated ecosystems at Oak Ridge, Tennessee and Los Alamos, New Mexico. (CONF-770429 - 2) 349799
Hala, J.
Solvent extraction of hafnium by mixture of 2-thenoyl-trifluoroacetone and tri-n-butyl phosphate. (INIS-mf - 3849) 378285
Halama, H.J.
Cyropumping of deuterium, hydrogen and helium mixtures on smooth 4.2 K surfaces. 368925
Large-capacity cryogenic pumping of D_2 and H_2 for fusion. 358949
Halas, S.
Correction factors for various types of ion collectors in delta^{13}C, delta^{18}O, and delta^{34}S measurements. 372867
The isotopic composition of carbon in mineral waters of the Polish Flysch Carpathians. 365303
Halaszovich, S.
FIPS - A process for the solidification of fission product solutions using a drum drier. 358484
Halbert, M.L.
A study of γ-decay modes from high angular momentum nuclear states by high order multiplicity measurements. 377955
Halbig, J.
Use of a dynamic rangeshifter for modifying the depth-dose distributions of negative pions. 352345
Halbig, J.K.
LAMPF 201.25-MHz linac field distribution. (LA - 6919) 379502
Halbique, A.M.
Numerical solution of the Abel integral equation: application to plasma spectroscopy. 377330
Halbleib, J.A. Sr.
Electron energy deposition in a multilayered carbon - uranium - carbon configuration and in semi-infinite uranium. (SAND - 77-1191) 372571
Field-enhanced REB deposition and Bremsstrahlung production. (SAND - 77-0242C) 350624
Halbritter, J.
Development of rf superconductivity at the nuclear research center Karlsruhe. (KFK-EXT - 3/76-5) 374997
Oxygen enrichments in Nb surface layers and their apparent conductivity as observed by the superconducting penetration depth Δlambda (T,f,B/sub ac/). 367270
Halcrow, B.W.
Model of F_2 peak electron densities in the main trough region of the ionosphere. 367426
Haldorsen, I.R.
Fast release of nuclear reaction products from refractory matrices. 378231
Haldy, P.A.
A moment method for calculating the transport of energetic charged particles in hot plasmas. 348920
Hale, T.I.
^{99}Tcsup(m)-fibrinogen as a thrombus-imaging agent. 373606
Hale, V.Q.
Assessment of environmental aspects of uranium mining and milling. Final report, 12 February - 7 July 1976. (PB - 266413) 360472
Hales, C.A.
Allotransplantation of the lung without immunosuppression after transplantation. II. Combined autotransplantation of bone marrow and allotransplantation of lung. 367484
Hales, R.
Chromium depletion from stainless steels during vacuum annealing. 349419
Influence of metal lattice vacancies on the oxidation of high temperature materials. 351661
Haley, J.
Measurement of thermal diffusivity of molten UO_2. (CONF-770537 - 3) 360017
Halfenberg, H.W.
Gas pressure test of the inner and outer reactor pressure vessel in the AVR experimental nuclear power plant with HTR. 370959
Halicioglu, T.
Calculations for predicting the orientation of lead atoms adsorbed on tungsten surfaces. 369962
Halioulias, A.A.
On the totality of periodic motions in the meridian plane of a magnetic dipole. 367432
Hall, A.R.
Development and radiation stability of glasses for highly radioactive wastes. 358485
Hall, B.O.
Application of dual-ion irradiations to fusion materials problems. 358987
Effects of trapping and detrapping of helium on void nucleation. (CONF-770641 - 2) 351891
Hall, C.J.
Metabolism of [^{14}C] testosterone by human foetal and brain tissue. 357615
Hall, E.J.
Radiobiological mutual comparison of neutron beams used for radiotherapy. 354737
Hall, G.G.
Infinite order perturbation theory. 371383
Problems in the design and specification of containers for vitrified high-level liquid waste. 358476
Hall, H.E. Jr.
X-ray fluorescent rare earth analyses using an intrinsic germanium detector. 362121
Hall, I.
Coulomb excitation of ^{135}Ba. 356852
Relative measurement of the quadrupole moments of the first excited states of the even isotopes of Ru, Pd and Cd. 366995
Hall, J.A.
Fatigue behavior of beta processed titanium alloy IMI 685. 357270
Hall, P.C.
Basic studies on the cooling of LWRs by in-core sprays. 376550
Studies of the physical models used in transient two-phase flow analysis. 376501
Hall, P.J. van
Nuclear reactions with polarized protons. 369485
The polarized beam facility in Eindhoven. (INIS-mf - 4267) 379513
Scattering of polarized protons by iron and nickel isotopes. 362067
Hall, R.
The interaction of thyroid-stimulating antibodies with solubilised human thyrotrophin receptors. 362829
Hall, R.I.
Electron impact excitation of high vibrational levels of the H_2, NO and O_2 ground states. 350621, 353257, 353258, 377024, 377025
Feshbach resonances in electron scattering from NO. 353256, 377023
On the resonant electron impact excitation of CO_2 in the 4 eV region. 376984
On the resonant electron impact excitation of CO_2 in the 4eV region. 353208
Hall, R.J.
Analytic methods for fuel-cycle safety studies. 379332
Risk of transporting plutonium dioxide and liquid plutonium nitrate by truck and rail. 350046
United States experience in the transport of radioactive materials. 367952
Vibrational excitation in H_2 and D_2 electric discharges. 350680
Hall, R.L.
Exact solutions of Schroedinger's equation for translation-invariant harmonic atoms. 376911
Hall, R.O.A.
Electrical resistivity of protactinium metal. 351755
Low-temperature specific heat anomalies in polycrystalline α-Uranium. 351756
Hall, R.S.
Detection of coolant blockages: problems and possibilities. (CONF-761001 - P2) 362937
Hall, R.W.
Recent advances in understanding large scale vapour explosions. (CEGB-RD/B/N - 3666) 351471
Hall, T.M.
Decontamination of 109 cell primary cooling system piping. Final report. (UNI - 105-A) 363543
Hall, W.B.
Heat transfer in the vicinity of a partial flow blockage in a reactor core. 376513
Hall, W.S.
Computer-generated interferograms to characterize microballoons. (LA - 6864-MS) 350911
Hallaba, E.
Egypt's technological experience in radioisotope production. 352341
Hallak, A.B.
EXAFS measurements on Nb_3Ge thin films. 351734
Hallam, J.
Reactor fuel reliability constraints on power shape control. 368098
Hallberg, J.
Automatic analysis of GCS for radiopharmaceutical quality control. (INIS-mf - 4010) 369569
Halldal, P.
Comparative analyses of action spectra of glycolate excretion ('photorespiration') and photosynthesis in the blue-green alga Anacystis nidulans. 360350
Haller, E.E.
Divacancy-hydrogen complexes in dislocation-free high-purity germanium. 370163
Far-infrared photoconductivity of uniaxially stressed germanium.

361040
Impurity complex formation in ultra-pure germanium. (LBL – 6432) 351492
Haller, H.E. III
Dynamoelectric machine with a superconductive field winding that can operate in either a synchronous or an asynchronous mode. (US patent document 4,037,123/A/) 352388
Haller, M.
Method of determining materials fatigue of a test body. (German (F.R.) patent document 2411459/C/) 365777
Haller, P.
Automatized filter testing with a particle-counter. 360506
Haller, W.T.
Evidence for root Fe nutrition in Hydrilla verticillata Royle. 357657
Hallers, J.J.
The thermopower of liquid sodium-caesium alloys. 373184
Hallett, A.C.H.
Nonlinear X-ray induced strain effects in alkali halides. 354613
Halliday, I.G.
Discontinuities, Feynman parameters and d-lines. 371384
Halligan, D.W.
Training personnel to design earthquake-resistant nuclear power plants. 352234
Hallin, R.
Lifetime measurements in La II with the beam-laser method. 366314
Halliwell, W.H.
Biological effects of $^{239}PuO_2$ inhalation in the Rhesus monkey. (LF – 56) 362718
Biomedical risks of multiple lung lavages in beagle dogs. (LF – 56) 362746
Occurrence and lobar distribution of lung cancer in Syrian hamsters induced by intratracheal administration of ^{210}Po (preliminary report). (LF – 56) 362729
Pulmonary collagen metabolism in irradiated hamsters and those treated with corticosteroids. (LF – 56) 362748, 362749
Pulmonary injury mechanisms revealed by cytologic analyses of bronchopulmonary lavage. (LF – 56) 362750
Toxicity of inhaled $^{238}PuO_2$ in beagle dogs. A. Monodisperse 1.5 μm $^{238}PuO_2$. B. Monodisperse 3.0 μm $^{238}PuO_2$ particles. III. (LF – 56) 362740
Toxicity of inhaled alpha-emitting radionuclides: an experimental approach. (LF – 56) 365430
Hallock, R.B.
Damping of two-reservoir superfluid ^4He film oscillations below 1K. 356356
Small momentum transfer measurements of S(k) in ^4He at T = 4.27 K as a function of density. 372347
Hallowell, P.J.
Automatic measurement of events from track sensitive target experiments. (RL – 77-104/A) 358365
Hallowell, P.L.
Inelastic electron scattering from low-lying states in the nuclei ^{36}Ar and ^{40}Ar. 356760
Halmshaw, R.
The possibilities of new techniques in industrial radiology. 357887
Halperin, J.
$^{232}Th(n,\gamma)$ cross section from 2.6 to 800 keV. 372787
Neutron capture by ^{208}Pb at stellar temperatures. 364368
Thermal-neutron capture and fission cross sections and resonance integrals for curium-243. 372704
Halperin, W.P.
^3He melting pressure temperature scale. 359198
Halpern, A.
Chemical and biological consequences of β-decay. Pt. 1. 376133
Halpern, A.M.
Angular distribution in proton-hydrogen charge-transfer collisions. 358747
Halpern, E.H.
Organic superconductors with high transition temperatures and high critical magnetic fields. (US patent document 3,944,578/A/) 357075
Halpern, H.J.
Comparison of the line-reversed channels p-barp → $\pi^-\pi^+$ and π^+p → $p\pi^+$ at 6 GeV/c. 351232
Measurement of the line-reversed reactions p-barp → π^-rho$^-$ and π^-p → prho$^-$ at 6 GeV/c. 369376
Halpern, I.
Analyzing powers for the continuum portions of particle emission spectra. (RLO/1388 – 362) 372710
Inelastic scattering of pions to the continuum. (RLO/1388 – 362) 372729
Ratios of ^{11}C activations induced by pions on various targets. (RLO/1388 – 362) 372697
Halpern, L.
An approach to a unified treatment of electromagnetic and gravitational theory emerging from the covariant Dirac equation. 355768
Gravitational law and spinning electron equation in a De Sitter symmetric space. 353084
Halpern, M.B.
Faddeev-Popov procedure and Gribov copies. 371385
Field theories in terms of particle-string variables: spin, internal symmetries and arbitrary dimension. (COO – 2220-150) 361274
Field-strength formulation of quantum chromodynamics. 371386
Halpin, C.J.
Ultrasonic velocities for deuterium oxide – water mixtures at 298.15 K. 362188
Halstead, G.W.
Rare earth metalcarborane derivatives. The preparation, structural characterization, and reactions of the bis(eta^5-(3)-1,2-dicarbollyl)dichlorouranium(IV) dianion. 378465
Halstead, W.D.
Improvements in or relating to the blocking of micropores in a structure. (UK patent document 1495561/A/) 376567
Halsteinslid, A.
Strange particle production by antineutrinos. 356505
Halverson, W.
CO_2 laser irradiation of solid targets in strong magnetic fields. 368955
Halzen, F.
Can the Fermi-motion of partons recover canonical scaling in hadronic high-psub(T) processes. (RL – 77-115/A) 359259
Scaling violations in deep inelastic lepton scattering: how important is charm. 377736
Ham, C.H.
A different approach for charged multiplicity distributions in hadron-hadron collisions. 361811
Ham, G.J.
The in vivo solubility of plutonium-239 dioxide in the rat lung. 370413
The in vivo solubility of plutonium-239 produced in plutonium-sodium aerosols. 354873
Hama, T.
Release of metallic fission products from multilayered coated particles. 365949
Hama, Takao
Intestinal absorption of beta-alanine, anserine and carnosine in rats. 354934
Hamada, Chikako
Studies on drug metabolism by use of isotopes, 19. 359556
Hamada, Nobuyuki
Developmental changes of ribosomes in content and amino acid incorporating activities in the female pupae of Bombyx mori. 349873
Hamada, T.
The dependence of multiple inner-shell ionization on the projectile energies and on target elements by nitrogen-ion bombardment at the energy above 4 MeV/amu. 353180, 376964
Hamada, Tatsuo
Control apparatus for neutron detector which runs within core. 350175
Hamada, Y.
Tokamak experiments on JIPP T-II device. (INIS-mf – 3963) 371853
Hamada, Yasuji
Helically symmetric equilibrium of current-carrying finite beta plasma. (IPPJ – 270) 353605, 353607
Hamaguchi, Hiroshi
Precision of neutron activation analysis for environmental biological materials. 359554
Separation of strontium ion from a large amount of calcium ion by the use of a macrocyclic ether. 367092
Hamamura, Norikatsu
Tritium contents in rain water at Nagoya. 373433
Hamann, H.
The influence of method of cooling tower operation on plume length. 365805
Hamard, J.
Survey of the radiological risks arising during shipment of radioactive materials. 350021
Hamasaki, K.
Current-voltage characteristics of large Josephson tunnel junctions. 353748
Hamawi, J.N.
Modified variable trajectory puff advection model for airborne effluents. 378934
Hambro, L.
Absorptive line shape of hadronic atoms. 366838
Hamburger, E.W.
Excited states of ^{90}Zr detected in the reaction $^{91}Zr(d,t)^{90}Zr$. 354195
Hamburger, R.N.
An immunoglobulin E assay using radiolabelled Fab' and ammonium sulfate. 370515
Hamdan, M.
Ionisation of positive ions by electrons in the hollow-beam trap. 374620
Hamdan, M.A.
Reactor neutron detection using activation and fission fragment track detectors. 363569
Hamed, A.
Solution of neutron transport equation in cylindrical geometry. (IC – 76-85) 361262
Hamel, J.L.
Beam lines controls systems for SATURNE II. 363247
Hamel, P.
Monitoring of filter installations for radioactive aerosols. (SAAS – 224) 355144
Hamel, P.E.
Regulatory control of radioactivity and nuclear fuel cycle in Canada. (AECL – 5708) 360487
Regulatory control of radioactivity and of the nuclear fuel cycle in Canada. 370559
Hamel, W.Th.
Whole body kinetics of glycerol ^{75}Se-triether. (INIS-mf – 4010) 367547
Hamer, C.J.A. van den
Oral ^{64}Cu-loading test: Application and problems. (INIS-mf – 4010) 367574

Hamidi, E.
Research of glycolaldehyde formed during gamma irradiation of maize starch. 365059
Hamill, D.
Studies on matrix isolated uranium tetrafluoride and its interactions with frozen gases. 351610
Hamill, W.H.
Electron scavenging in ethanol and in water. 351654
Inverse isotope effect for electron transfer reactions in ethanol. 369806
Hamilton, G.W.
Critical analysis of the potential clinical use of ^{201}Tl in chronic coronary artery disease (CAD). (INIS-mf – 4010) 362816
Efficient production of neutral beams by photodetachment of negative ions. (UCRL – 79927) 361357
Engineering of beam direct conversion for a 120-kV, 1-MW ion beam. (UCRL – 79718) 371738
Measurement of left ventricular function using portable scintillation camera-computer system. (INIS-mf – 4010) 362817
Myocardial imaging with ^{201}Tl at rest and during exercise. Comparison with coronary arteriography and resting and stress electrocardiography. 352124
Myocardial imaging with thallium-201: an experimental model for analysis of the true myocardial and background image components. 357647
Neutral beam based on positive ions with direct energy conversion. (UCRL – 80418) 377489
Hamilton, H.B.
Cytogenetic studies of A-bomb survivors and their children in Hiroshima and Nagasaki. 370379
Radiation of the young brain. 365402
Hamilton, J.
Baryon decays and SU(3) breaking. 366846
Symmetry and dispersion theory. 353816
Hamilton, J.H.
Coexistence of different shapes and nuclear motions in medium and heavy even-even and odd-A nuclei. (ZfK – 336) 369486
Coriolis effects and the microscopic structure of gamma-vibrational levels. 351301
Coulomb excitation of 2^+ and 3^- states in ^{192}Pt and ^{194}Pt. 359519
Deformed-quasiparticle basis for calculating potential energy surfaces and nuclear spectra. 364698
Isomeric trapping following Coulomb excitation of high spin states in ^{178} ^{180}Hf. (ZfK – 336) 364780
Pairing-plus-quadrupole model calculations for ^{154} ^{156}Gd. 351286
Sensitivity of (α,α') cross sections to excited-state quadrupole moments. 354139, 372701
Systematics of M_{04} values in the rare-earth region. (ZfK – 336) 364715
Hamilton, J.R.
Babcock-205/A standard 205 fuel assembly NSS. 370915
Hamilton, L.D.
Health and economic costs of alternative energy sources. 370560
Hamilton, M.
NRPB launches automated dosimetry service. 373892
Hamilton, M.J.
Combined Dirac – Einstein – Maxwell field equations. 350512
Hamilton, P.J.
Sm-Nd dating of Archaean basic and ultrabasic volcanics. 357469
Hamilton, R.G.
Comparative evaluation of techniques for rapid and efficient in vivo labeling of red cells with [/sup 99m/Tc] pertechnetate. 373658
In vivo labelling of red cells with sup(99m)Tc-pertechnetate; a comparative evaluation. (INIS-mf – 4010) 367575
Hamilton, W.D.
The low-lying levels of ^{147}Pm. 351320
Hamm, G.
Practice and new measuring methods for the calibration of low-temperature thermometers for $T < 5$K. (AED-Conf – 77-405-003) 375001
Hamm, M.E.
Study of high-lying, high-spin, three-nucleon-cluster states in ^{19}F and ^{19}Ne through heavy ion induced three nucleon transfer reactions. 362068
Hamm, R.N.
Microdosimetry, biological modeling, and theoretical biophysics. (ORNL – 5171) 366918
Hamm, R.W.
Investigation of multi-charged heavy ion production in an electron beam ion source. (LA – 7077-T) 379498
Hammad, F.H.
Future fuel cycle requirements and radioactive waste management plans for Egypt's nuclear power programme. 371254
Nuclear fuel and technology transfer to developing countries. 352919
Role of a regional nuclear research center in implementing nuclear power programs in Arab countries. 352551
Hammann, J.
Neutron diffraction study at 0.04 K of the perovskite of aluminium and holmium. 355991
Hammaren, E.
A 4 ns high-spin isomer and a possible quadrupole-octupole coupling in ^{149}Sm. (ZfK – 336) 364798
Hammarstroem, L.E.
Autoradiography of ^{65} zinc in developing rat teeth and bones. 365409
Hammer-Raber, B.
Modification of L-isoleucyl-tRNA synthetase with L-isoleucyl-bromomethyl ketone. 360398
Hammer, C.L.
Time-dependent scattering of wave packets in one dimension. 358658
Uniqueness connection between charge conjugation and statistics. 368548
The vanishing norm of Faddeev-Popov ghost fields. 361275
Hammer, D.
Measurements of the velocity spectrum of sputtered Na from a NaI target by a Doppler-shift laser spectrometer. 366341
Hammer, D.A.
Theoretical studies of the formation and adiabatic compression of reversed-field configurations in imploding liners. 371759
Hammer, P.R.
Pulse synthesis technique for improving ionosonde resolution. 367421
Hammer, W.
Simple circuit for precise measurement of live dead or clock time in gamma-ray spectrometry. 379894
Hammerling, P.
Laser driven compression and neutron generation with spherical shell targets. 371777
Hammers, H.
Design and working principles of the Lohengrin mass separator for fission products at the high flux reactor in Grenoble. 358320
Hammerschlag-Hensberge, G.
Mass determination for the x-ray binary system Vela X-1 (= 3U 0900-40). (CONF-7510169 –) 364418
Hammerschlag-Hensberge, G.C.M.J.
Magnetic and related stars, part 2. (INIS-mf – 4172) 369098
X-ray binaries, part 1. (INIS-mf – 4172) 369097
Hammersla, J.
Nuclear power and the public: analysis of collected survey research. (PNL – 2430) 379611
Hammerstein, G.R.
Core polarization in inelastic scattering. 359435
Hammitt, F.G.
Effects of fast-neutron irradiation and high-intensity magnetic fields upon cavitation thresholds and nuclei spectra in water. 356545
Sodium cavitation test in vibratory facility. (IWGFR – 9) 349474
Hammitzsch, W.
Possibilities and limits of the application of surface activation in wear investigation of constructional parts. 373958
Hammond, A.L.
Energy for the future. 355661
Hammond, E.L.
Duane Arnold Energy Center's unique approach to startup licensing. 358187
Hammond, J.B.W.
Carbohydrate metabolism in Agaricus bisporus (Lange) Imbach: metabolism of [^{14}C] labelled sugars by sporophores and mycelium. 362730
Hammond, P.R.
Tunable lasers in isotope separation: a colorful view of a dye chemist. (UCRL – 78934(Rev.1)) 363060
Hammond, S.D.
Manpower requirements for nuclear power programs and associated training programs. 352550
Hammons, C.E.
Data acquisition system for PLT Neutral Beam Test Stand. (CONF-771029 – 18) 371850
Hamner, R.L.
Properties of extruded fuel rods for HTGR applications. (CONF-770701 – 4) 352686
Hamond, C.F.
Cation exchange of 53 elements in nitric acid. (LA – 7083) 378143
Hamouda, I.
Role of a regional nuclear research center in implementing nuclear power programs in Arab countries. 352551
Hamp, T.A.
Thermodynamic properties, gradients and functions for saturated steam and water. (AECL – 5910) 362219
Hampel, V.E.
Time for atomic and molecular data bases is now (an overview of data management research at LLL). (UCRL – 79286) 352996
Hampton, A.F.
Oxidation of hot-pressed Si_3N_4 with Zr-based additives. 357361
Hamstra, J.
Review of Netherlands programme for geological disposal of radioactive waste. 368399
The waterproof geometry of salt domes, an important safety aspect for their exploitation for ultimate disposal of high-level waste. 358517
Han, J.T.
Edge blockage in a 19-pin sodium-cooled bundle. (CONF-771120 – 8) 373823
Edge blockages in 19-pin sodium-cooled bundles. 352235
Maximum wake temperature and Nusselt number behind blockages in sodium-cooled bundles. (CONF-771109 – 78) 379763
Thermal-hydraulic correlations of a six-channel blockage in a sodium-cooled simulated LMFBR fuel assembly. (CONF-761001 – P4) 362943
Hanafee, J.E.
Effect of machining on properties of impact-ground beryllium. (UCRL – 52287) 351757
Hanak, J.J.
Dependence of DC electroluminescence and host-excited photoluminescence on Tb^{3+} concentration in sputtered ZnS:Tb^{3+} films. 353325

Hanak, V.
Determination of the neutron radiation doses on the basis of measuring the activities induced in a human phantom irradiated at a neutron generator. 349923
Hanamura, E.
Condensation effects of excitons. 353430
Hanan, N.A.
Investigation of the growth rate for joint fast breeder reactor and light water reactor operation. (COO – 4116-3) 365975
Hanappe, F.
Fusion and deep inelastic collisions studied on the Ar+Au system. Pt. 1. 359510
Hanauer, S.H.
US nuclear safety. Review and experience. 370561
Hancock, I.B.
The spark counting of etched fission-fragment tracks in polycarbonate for a personal neutron dosimetry system. (AERE-R – 8844) 366021
Hancock, R.G.V.
Biomedical and health studies with the new Canadian SLOWPOKE reactor. 369549
Hancock, V.
Using butterfly valves for PWR containment isolation. 370562
Hancox, W.T.
Blowdown of a recirculating loop with heat addition. 376502
Numerical standards for flow-boiling analysis. 362944
Hand, R.L.
Preparation of working calibration and test materials: uranyl nitrate solution. (PB – 267327) 356987
Handa, Kenjiro
Application of dual radioisotope techniques and image subtraction methods for diagnosis of lung cancer. 367695
Evaluation of dual radioisotope techniques for the diagnosis of lung diseases. 379185
Handel, H.
Fuelling machine for nuclear reactors with coated pellet fuel elements. (German (F.R.) patent document 1589532/C/) 368183
Handge, P.
Evaluation of potential radiation exposure around nuclear installations in the Federal Republic of Germany. Methods and practice. 367734
Handl, Z.
Testing of N 205 antifriction bearings in hot liquid sodium. 365983
Handmaker, H.
Gallium imaging in pediatrics. 373659
Hands, G.C.
Simultaneous determinations of plutonium alpha- and beta-activity in liquid effluents and environmental samples. 367033
Handschack, W.
Survival of irradiated mammalian cells. 373489
Handschug, L.
Positron production in superheavy ion-atom collision systems. 353181, 376966
A search for positron emission from atomic collision processes. (ZfK – 336) 364737
Handy, L.E.
Feedback stabilization experiments using l=2 equilibrium windings in Scyllac. (INIS-mf – 3963) 371739
Haneda, K.
On the hyperfine field of γ-Fe_2O_3 small particles. 366422
Hanel, R.
The Voyager infrared spectroscopy and radiometry investigation. 374914
Haneman, D.
Spin polarization and temperature effects in reflection diffraction from W(001). 373170
Hanes, H.D.
Feasibility demonstration of consolidating porous beryllium/carbon structures. Final report. (UCRL – 13785) 373315
Hanevik, A.
Performance assurance through experimental fuel testing. 376435
Haney, T.A.
Method for production of sup(99m)Tc-sulphur colloid. (Czechoslovak patent document 157082/B/) 369732
Hanfling, R.I.
National energy policy. 358135
Productivity goals and regulatory needs: the importance of state regulators. 363713
Hanft, R.
Ratio of neutral-current to charged-current cross sections for inclusive neutrino interactions in hydrogen. 351220
Hang, D.F.
Experience with team-teaching at the University of Illinois. 379600
Haning, R.V. Jr.
Direct radioimmunoassay for estriol-16-glucuronide in urine for monitoring pregnancy and induction of ovulation. 362776
Hanis, M.
Induced mutations for disease resistance in wheat and barley. 373713
Hanisch, K.
Investigations on the renal transit time of ^{131}I-hippuran. (INIS-mf – 4010) 357692
Hanisova, A.
Induced mutations for disease resistance in wheat and barley. 373713
Hanke, P.
Observation of jet structure in high psub(T) events at the ISR and the importance of parton transverse momentum. 353956
Hankin, S.W.
Assignment of aromatic aldehyde spectra from deuterium isotope shifts. 372969
Hankins, D.E.
Energy dependence measurements of remmeters and albedo neutron dosimeters at neutron energies of thermal and between 2 keV and 5.67 MeV. (UCRL – 78307) 350302, 371103
Modified A-B remmeter with improved directional dependence and thermal neutral sensitivity. (UCRL – 78929) 358366
Neutron dosimetry studies at the Lawrence Livermore Laboratory. (UCRL – 79633) 361033
Hanley, D.J.
Acoustic emission test on a 25 mm thick mild steel pressure vessel with inserted defects. 365764
Hanley, D.W.
Safety training as a means of reducing overexposures to radiographers. 379059
Hanlon, J.
One-, two-, and three-particle distributions in pp collisions at 205 GeV/c. 372529
Hann, C.R.
Comparative analysis of pellet-cladding interaction from IFA-431 and IFA-432 Halden reactor tests. (BNWL – 2240) 363443
Effects of fill-gas composition and eccentric gap geometry on gap conductance of UO_2 fuel rods. 352496
Method for determining the uncertainty of gap conductance deduced from measured fuel centerline temperatures. (BNWL – 2091) 374201
Release of indigenous gases from LWR fuel and the reaction kinetics with Zircaloy cladding. (BNWL – 1956) 358175
Verification of fuel thermocouple readings during IFA-431 irradiation. (BNWL-SA – 6176) 358194
Hann, I.M.
Immunological detection of residual leukaemic disease in the bone marrow of children with acute lymphoblastic leukaemia. 379102
Hanna, A.G.
Resonance activation analysis of biological materials. 375278
Hanna, F.C.
The nuclear magnetic field, Cabibbo angle, and CP violation in the nucleus. 356621
Hanna, I.
Device for measuring the position of control rods in nuclear reactors. (German (F.R.) patent document 2521340/A/) 352499
Hanna, N.N.
A chopper for neutron pulse propagation experiments. 352832
Hanna, S.R.
Drift-modeling and monitoring comparisons. (CONF-770151 – 5) 379224
Predicted climatology of cooling tower plumes from energy centers. 373824
Hanna, S.S.
Giant multipole resonance. 349138
Status report on Stanford's superconducting heavy ion linac project. 363347
Structure in the giant dipole resonance of ^{16}O: Evidence for a secondary doorway state from polarized-proton capture. 366968
Hannaford, J.
Safety issues in licensing commercial LMFBR's. (CONF-761001 – P1) 362945
Hannaman, G.W.
Common-cause failure considerations in predicting HTGR cooling system reliability. 357768
Hanneman, R.E.
Components made of corrosion-resistent zirconium alloy and method for its production. (German (F.R.) patent document 2626941/A/) 354465
Hanner, O.M.
Investigation of alternate ECC injection concepts in the semiscale Mod-1 system. (TREE-NUREG – 1117) 370563
Hannerz, K.
Containment for a nuclear reactor. (Swedish patent document 7508757-7/B/) 358063
Reactor waste heat utilization and district heating reactors. 366135
Hanni, R.S.
Plasma horizons of a charged black hole. 356248
Schwarzschild black hole in an asymptotically uniform magnetic field. 377612
Test charge near an extreme charged black hole. 364332
Wave fronts near a black hole. 364331
Hannig, H.
State and tendencies of chemical protection against ionizing radiation. (SAAS – 221) 365398
Hannon, J.B.
Improved nuclear gage development – phase i and ii. Interim report. (PB – 267106) 367885
Hannon, J.P.
Interference parameters in γ-ray optics. 358876
Hannum, W.H.
Reliability and safety analysis methodology in the nuclear programs of ERDA. 357777
Hanrahan, R.J.
Radiation chemistry of hydrocarbon and alkyl halide systems. Progress report, July 1, 1976 – July 31, 1977. (ORO – 3106-65) 362262
Hans, H.
Safety and process instrumentation – layout. 376465
Hans, L.F.
Radiation exposure to angiographer during coronary arteriography using the U arm image amplifier. 362695

Hans, R.
Leak detection of steam or water into sodium in steam generators of liquid-metal fast breeder reactors. 360974
Test results and still existing problems of the sodium instrumentation for LMFBR's. (CONF-760503 - P2) 352752
Hansborough, L.D.
Design and fabrication of a radially-fed implosion heating coil. (LA-UR - 77-2452) 371882
Material end-plugging for the Scylla IV-P linear theta pinch. (LA-UR - 77-2453) 377418
Hansel, J.M.
Automated energy-dispersive x-ray determination of trace elements in stream sediments. (LA - 6869) 351441
Hansel, W.
Luteolytic interaction between estradiol and prostaglandin $F_2 \alpha$ in hysterectomized ewes. 367494
Hansen, C.J.
Effects of differential rotation on the splitting of nonradial modes of stellar oscillation. 364333
Hansen, D.
Shape transition between N=40 and 42 in the Ga and Ge isotopes. (IPNO-PhN - 77-23) 369514
Hansen, E.R.
Ultraviolet brightenings in active regions as observed from OSO-8. 372209
Hansen, G.E.
Fission and explosive energy releases of PuO_2, $PuO_2 - UO_2$, UO_2, and UO_3 assemblies. 367946
Fission/milligram of ^{235}U in BIG-10 Tests A, C, E, and B. (HEDL-TME - 75-130) 351354
Review of microscopic integral cross section data in fundamental reactor dosimetry benchmark neutron fields. (HEDL-SA - 1148(Rev.1)) 377990
Spectral indices for BIG-10: spectrum-averaged fission cross section ratios for ^{235}U, ^{238}U, ^{239}Pu, ^{237}Np. (HEDL-TME - 75-130) 351353
Hansen, G.P.R.
Combined free and forced convection effects on transient temperature distributions in a scaled-down model of the inlet plenum of the SNR-300 reactor. 358280
Hansen, J.E.
The ratio between Ksub(α)sup(h) and Ksub(αα) intensities in heavy-ion atom collision experiments. 358753
The ratio between Ksup(h)sub(α) and Ksub(αα) intensities in heavy-ion atom collision experiments. 377029
The Voyager mission photopolarimeter experiment. 374929
Hansen, J.F.
Some lanthanide complexes of the conjugate base of 3-phenyl-5-methyl-1-hydroxypyrazole-2-oxide. 359610
Hansen, J.P.
Transport coefficients of the classical one-component plasma. 356084
Hansen, J.R.
X-ray contrast detection system. 358390
Hansen, K.F.
Annual progress report FY 1977. (COO - 2262-13) 363382
Hansen, L.
Mica fission detectors. (UCID - 17563) 363601
Hansen, L.F.
Differential integral experiments for testing cross section evaluations for fusion reactors. (UCRL - 79452) 350862
Investigation of gamma-ray strengths following inelastic proton scattering on an even - even vibrational nuclei. (BNL-NCS - 22500) 356808
Measurements and calculations of the electron recoil spectra from gamma rays emitted by nitrogen for a 14-MeV neutron source. 356538
Radiation doses as a function of the thickness and shielding material surrounding a 14-MeV neutron source. (UCRL - 78560) 359350
Hansen, O.
Four-nucleon pickup from ^{64}Zn and ^{64}Ni. 372762
Isovector pairing vibrations. 372583
Hansen, P.
Energy degradation in elastic-collision spikes. (INIS-mf - 3996) 363983
Hansen, P.G.
Alpha decay of neutron-deficient ytterbium isotopes and their daughters. 375179
Decay of a T/sub z/ = - 2 nucleus: Argon-32. 364777
The essential decay of pandemonium: a demonstration of errors in complex beta-decay schemes. 361985
Shifts in xenon K X-ray energies following electron-capture beta decay and the role of nuclear hyperfine structure. 356719
Hansen, P.H.
Spin-spin interactions in high-transverse momentum elastic p-p scattering. 359344
Hansen, R.O.
A new H-space formalism. 366270
Hansen, R.S.
The interactions of nitric oxide and oxygen with Ru(101-0). 354546
Hansen, S.
Longitudinal bunch dilution due to rf noise. 363248
Longitudinal instabilities of bunched beams in the ISR. 363170
Hansen, S.E.
Simultaneous determination of the content of serotonin, dopamine, noradrenaline and adrenaline in pancreatic islets isolated from fed and starved mice. 354292
Hansen, T.L.
The wavelength dependence of granulation (0.38-2.4 μm). 356173
Hansen, U.
Comparison of short-term and long-term power generation costs in nuclear and coal-fired power stations. 371218
Economic aspects of power generation in HTR reactors. 371228
High-conversion HTRs and their fuel cycle. 379677
Multipurpose nuclear process heat for energy supply in Brazil. 358252
Hansen, W.
The electronic device of the Rossendorf proton recoil counter spectrometer. 374289
Hansen, W.L.
Divacancy-hydrogen complexes in dislocation-free high-purity germanium. 370163
Hanser, A.
Experimental studies of hexadecapole motion in spherical nuclei. 375090
Hanser, F.A.
Night and day relationships between polar cap riometer absorption and solar protons. 367440
Hanser, H.
Nuclear radii and magnetic moments of ^{128}/sup ,/^{131}Ba from high-resolution laser spectroscopy. 351399
Hansl, T.
Σ^- production and decay properties in $K^-p \rightarrow \Sigma^-\pi^+$. 377807
Measurement of muon-neutrino and -antineutrino scattering of electrons. 353961
Muonless π^0-production by muon-neutrinos and -antineutrinos. 353962
Hansmann, I.
The RBE of 30 kV X-rays for the induction of dicentric chromosomes in human lymphocytes. 349714
Hansmann, K.
The environmental compatibility examination in nuclear licensing. 352954
Hanson, A.O.
Status of MUSL-2: the second microtron using a superconducting linac. 363147
Hanson, A.S.
Utility needs for fuel rod modeling capability. 360898
Hanson, C.L.
Rotating target neutron generators. 355173
Thermal-mechanical design of a 150-mA, direct-current, 400-keV accelerator for production of 14-MeV neutrons. (UCRL - 79721) 367968
Hanson, D.L.
Design and performance of a heavy ion detector using a gridded ionization chamber with helical position-sensitive proportional counter. (LA - 6843-MS) 361050
Mechanisms for Li and Be production in the $^{14}N + ^{12}C$ reaction. (ORO - 3924-29) 364824
Quadrupole transfer strength studied through heavy-ion induced two-neutron transfer between the shape transitional nuclei ^{190} ^{192}Os. 359489
Review of fission product plateout investigations at General Atomic. (GA-A - 14555) 379678
Shape transition between N = 40 and 42 in the Ga and Ge isotopes. 378073
Hanson, G.
D meson production and decay in e^+e^- annihilation at 4.03 and 4.41 GeV c.m. energy. 353989
Electron-muon and electron-hadron production in e^+e^- collisions. 366879
K^0 production in e^+e^- annihilation. 353983
Properties of the proposed tau charged lepton. 356517
A search for neutral heavy leptons. 356514
Spin analysis of charmed mesons produced in e^+e^- annihilation. 351228
Hanson, G.G.
e^+e^- hadron production and jet structure at SPEAR. (SLAC-PUB - 1814) 377737
Hanson, J.D.
Hybrid simulations of quasineutral phenomena in magnetized plasma. (UCRL - 80009) 366510
Parameters of a field-reversed mirror reactor. (INIS-mf - 3963) 353543, 356105
Hanson, J.E.
Safety aspects of fast reactor fuels. (HEDL-SA - 1288) 379764
Safety considerations in fast reactor fuel development. 371050
Hanson, K.
Theoretical study of two-phase decomposition and coarsening. (LBL - 6613) 373260
Three-dimensional analysis of cellular microstructures by computer simulation. (LBL - 6614) 369635
Hanson, K.M.
Application of protons to computer tomography. (LA-UR - 77-2385) 373567
Characteristics of computed tomographic reconstruction noise and their effect on detectability. (LA-UR - 77-2409) 373660
Detectability in the presence of computed tomographic reconstruction noise. (LA-UR - 77-2080) 370382
Hanson, R.G.
Evaluation of the effects of break nozzle configuration in the Semiscale Mod-1 system. (TREE-NUREG - 1118) 360443
Hanson, R.L.
Fly ash solubility studies. (LF - 56) 365553
Hanson, R.N.
Radiopharmaceuticals for acutely damaged myocardium. II. Synthesis and evaluation of [^{203}Hg] hydroxymercurifluoresceins. 352103

Hanson, W.B.
Martian ionosphere as observed by the Viking retarding potential analyzers. 366702
Plasma bubbles and irregularities in the equatorial ionosphere. 351977
Hanson, W.C.
Continued studies of long-term ecological effects of exposure to uranium. (LA - 6742) 357470
Hansson, G.
Hyperparathyroidism in persons treated with x-rays for tuberculous cervical adenitis. 367538
Hansson, H.C.
Particle-induced X-ray emission: a useful analytical method. 369550
Hansz, J.
Radioimmunoassay of gastrin level in duodenal ulcer, atrophic gostritis and Addison-Biermer's disease. 373763
Hanton, J.
General features of anti pp interactions at 32 GeV/c. 353973
Hantzsche, E.
The Poukey-Rostoker model of relativistic electron beam propagation. 371883
Hanus, N.
Dynamic boiling tests in a 19-pin simulated LMFBR fuel assembly. (CONF-771109 - 77) 379822
Hanzawa, Masatoshi
Pressure recovery in a diffuser for gas centrifuge. 379365
Hanzel, D.
$SrTb_2Fe_2O_7$ studied by Moessbauer spectra of ^{57}Fe. 353431
Haoka, Toshiharu
Dissolution of gaseous methyl iodide into aqueous sodium hydroxide solutions. 372944
Haond, H.
Creation of nuclear power stations for export. Adapting a reference power station from the technical level of a national programme. 371235
Haouat, G.
Analysis of experimental data on neutron reaction on carbon for the energy range to 20 MeV. (INIS-mf - 3897) 356779
Elastic and inelastic scattering of fast neutrons by even isotopes of silenium. (INIS-mf - 3897) 356815
The nuclear deformation of ^{148}, ^{15}+H0, ^{152}, ^{154}Sm determined from neutron scattering measurement. (INIS-mf - 3897) 356876
Study on the (n, n' γ) reaction for even isotopes of selenium and germanium. (INIS-mf - 3897) 356881
Happe, J.A.
Corrosion and ESCA studies of uranium after exposure to an RF discharge. (UCRL - 78939) 351664
Happel, H.
Crystal electric fields in rare-earth Al_2 compounds. 378635
Haq, R.U.
Signs of the particle-hole matrix elements and existence of giant resonances. (ISN - 77-20) 359444
Haque, A.S.M.E.
Quality assurance, quality control, and maintenance of trained personnel capabilities in a developing country's nuclear power plant. 352955
Haque, H.
Thermal loads on the absorber rods of the PNP reactor. 370963
Three-dimensional problems in the design of gas-cooled HTR cores with regard to thermo- and fluid dynamics. 370961
Haque, S.S.
Nucleon separation and pairing energies, decay energies and atomic masses for 68 <= Z <= 72. 359523
Precise atomic masses and mass differences for W and Re. 356877
Precise single neutron separation energies of Ti, Fe, and Zn. 356694
Hara, Fumio
A study on automatic diagnosis of abnormality in nuclear reactor systems. 360767
Hara, Hideki
Method of circulating and purifying nuclear reactor water. 360806
Hara, Hideo
ESR study of Pb^{3+} ions in cubic PbF_2 crystals irradiated with γ-rays and neutrons at low temperatures. 358890
Hara, Masahiro
^{4}He(d, pα)n reaction at Esub(d) = 8.9 MeV. 354254
Hara, Osamu
Dynamical theory of hadron interactions based upon extended particle picture, 2. 366847
Hara, Shigeko
Absorption of water extract of chromium ore dross from skin and gastrointestinal tract. 352167
Hara, T.
Backward particles from proton-nucleus interactions at high energies. 353966
JOYO construction and preoperational test experience. 379765
Hara, Tamio
Nonlinear development of the current-driven ion wave instability. 371884
Hara, Tomio
Distribution of Fe-bleomycin, Co-bleomycin in tumor tissue. 373778
Hara, Yasuhiro
Effect of abdominal irradiation in intestinal sugar transport. 379017
Hara, Yasuo
New particles and mass-formulas. 353817
Haracz, R.D.
Comparison of nonperturbative variational approximations to the scattering amplitude for a Yukawa potential. 368694
Harada, H.
Argon implantation gettering for a "through-oxide" arsenic-implanted layer. 360112
Harada, M.
Sepratation energies of nucleons and the energy sum rule of the Green's function method. 356425
Harada, Tateki
Experimental study of lung perfusion scintigraphy with sup(99m)Tc-MAA to radiation damaged lung. 349737
Harada, Tatuzi
Clinical studies on gastric cancer and breast cancer among A-bomb survivors. 354826
Harakeh, M.N.
The (α,α'f) reaction on ^{232}Th. (INIS-mf - 4267) 378044
The ^{116}Sn(d,t)^{115}Sn reaction and the investigation of deeply bound hole states in the cold-A tin isotopes. 356921
Giant resonances in light nuclei. (INIS-mf - 4267) 377978
Proton hole states in ^{114}Cd excited in the ^{115}In(d,^{3}He)^{114}Cd reaction at Esub(d) = 50 MeV. 356776
Harangozo, M.
Dekryptonation thermal analysis of some isothiocyanates. 372962
Harant, M.
Possible uses of low-potential nuclear heat in agriculture. (INIS-mf - 4055) 368419
Harar, S.
^{16}O induced reactions on ^{116}Sn at 64 MeV. 356820
Researches with the tandem and the synchrotron. Chapter 1. (CEA-N - 1959) 354169
Harari, H.
Quarks and leptons. (WIS-Ph - 77/56) 366848
Harayama, Y.
Application of finite element method to ring compression test. 355241
Harbauer, G.
Investigations of fuel rod failure in the second heatup phase of a LOCA. (KFK - 2435) 358191
Harbison, J.P.
Superconducting and mechanical properties of in situ formed multifilamentary Cu-Nb_3Sn composites. 373202
Harbord, R.
Investigation of thin shell finite element models with respect to practical application. (KFK-CAD - 24) 370781
Harbottle, J.E.
Volumetric creep in nickel: the influence of stress on swelling. 360086
Hard, J.E.
Regulatory requirements for radiation protection. 368466
Hardcastle, J.
Interaction between methyl mercury and radiation effects on nervous systems. (PB - 265873) 352038
Harde, R.
Nuclear technology export and nonproliferation of nuclear weapons. 352999
Hardee, H.C.
Natural convection in porous media with heat generation. 352236
Hardee, P.E.
Production and beaming of pulsar γ-ray emission. 359091
Hardekopf
Scattering of polarized tritons by ^{9}Be and ^{12}C. (BNL-NCS - 22500) 356870
Hardekopf, R.A.
Comparison of the mirror reactions ^{2}H(d,p)^{3}H and ^{2}H(d,n)^{3}He. 378021
Investigation of the 1$^+$ resonance in ^{6}Li by d-α scattering between 6 and 7 MeV. 354202
Phase analysis of ^{3}He(d,d)^{3}He scattering. 378013
Shell closure effects in the elastic scattering of polarized deuterons. 378039
A study of the 1$^+$ resonance in ^{6}Li via ^{4}He(d,d) scattering from 6-7 MeV. 377999
Tensor potentials in the optical model for elastic scattering of polarized deuterons by medium heavy nuclei. 377869
Harder
Nuclear power plants with high temperature reactors. 376540
Harder, C.A.
LLL development of a combined etch track: albedo dosimeter. (UCRL - 79658) 363571
Harder, D.
The new SI units in radiological protection. 376213
The RBE of 30 kV X-rays for the induction of dicentric chromosomes in human lymphocytes. 349714
Harder, D.E.
Strategies for improving rust resistance in oats. 373714
Hardie, G.
Gamma decay and lifetime measurements of the isomeric 19-/2 state in ^{43}Ti. (ANL - 77-60) 378035
Hardie, R.W.
Evaluation of LMFBR performance characteristics in the U.S. nuclear energy system. 352751
Hardiman, J.P.
A review of some aspects of the validation of the RELAP-UK code for pressure tube reactor applications. 376552
Hardiman, M.
EPR fine structure of S state ions. 378636
Hardin, C.M.
State's viewpoint on radioactive waste criteria. (ORP/CSD - 77-2) 374432
Hardin, N.E.
Index to conference titles; selected conferences cited in the ERDA data base 1972 - 1977. (TID - 4045-S1) 366220

Harding, H.W.
Some aspects of changing criteria as affecting the design of Dungeness 'B'. 352687
Harding, L.J.
Added precision in ^{57}Fe Moessbauer spectroscopy. 355524
Hardt, P. von der
Measurement of irradiation-enhanced creep in nuclear materials. 360058, 360060, 360062, 360064, 360065, 360066, 360067, 360068, 360074, 360077, 360078, 360079, 360081, 360082, 360086, 360088, 360089, 360093, 360094, 360098, 360099, 360100, 360105, 360108, 360109, 360121, 360126, 360131, 360132, 360737, 360742, 360744, 360745, 360749, 360750, 360755, 360840
Hardwicke, J.
Prompt gamma neutron activation analysis to measure whole body nitrogen absolutely. 369534
Hardy, J. Jr.
Analysis of homogeneous U233 and U235 critical assemblies with ENDF/B-IV data (AWBA development program). (WAPD-TM – 1299) 379848
Monte Carlo analyses of TRX slightly enriched uranium-H_2O critical experiments with ENDF/B-IV and related data sets (AWBA Development Program). (WAPD-TM – 1307) 379837
Hardy, J.C.
Alpha decay of neutron-deficient ytterbium isotopes and their daughters. 375179
Beta-delayed proton emission: a new series of precursors and the measurement of 10^{-16} s nuclear lifetimes. (AECL – 5560) 375180
Charge-dependence in superallowed beta decay: a comment. 372680
Decay of a T/sub z/ = – 2 nucleus: Argon-32. 364777
The essential decay of pandemonium: a demonstration of errors in complex beta-decay schemes. 361985
Search for a 0^+ level near the 8.87 MeV, 2^- level of ^{16}O. 354237
Tsub(z) = 1/2 β-delayed proton precursors. I. 354232
Hardy, M.P.
Geo-engineering review and proposed program outline for the structural design of a radioactive waste repository in Columbia Plateau basalts. (RHO-ST – 6) 380029
Surface displacements and pillar stresses associated with nuclear waste disposal in salt. (Y/OWI – 7118/P1) 358518
Hare, J.T.
Ellipsometric study of F-centres in electron-bombarded KCl. 360087
Hare, M.G.
Conservation with CANDU. 358274
Harel, C.
Charge exchange in collisions of highly ionized ions and atoms. 358754
Collision models of intra-multiplet transitions at thermal energies. 353339
Collision models of intramultiplet transitions at thermal energies. 368644
Excitation transfer in thermal collisions between atomic hydrogen isotopes. 358755
Harf, F.H.
A directionally solidified iron – chromium aluminum – tantalum carbide eutectic alloy. (N – 77-19208) 362493
Hargis, P.J. Jr.
Intracavity selective absorption spectroscopy as an analytical technique for iodine radioisotope detection. (SAND – 76-9316) 351968
Hargittai, J.
Application of microautoradiographic methods for determination of the particle-size distribution of submicron size radioactive aerosols. 357534
Hargrave, P.J.
Large-scale tropospheric irregularities and their effect on radio astronomical seeing. 374915
Hargreaves, R.M.
40,000 rpm spin facility. (SAND – 77-0701(Vol.3)(No.1)) 363118
Hargrove, C.K.
Further muonic-atom test of vacuum polarization. 350625
Hari Dass, N.D.
Experimental tests for some quantum effects in gravitation. 366271
The Hulse-Taylor pulsar and gravitational spin precession. 356249
Haridasan, T.K.
Studies on in vivo calibration of a plutonium lung monitor. 371137
Harigel, G.G.
The optical system for the Big European Bubble Chamber. 352419
Harigel, N.M.
The optical system for the Big European Bubble Chamber. 352419
Harihar, P.
Cross sections, angular distributions, and magnetic substate populations in the ^{23}Na(n,n'γ) reaction. 364764
Hariharan, K.
An approach for obtaining high availability at Madras Atomic Power Station. 379722
Harikumar, P.
Studies on radurization of chicken meat. 349827
Harink, H.C. den
A position dependent particle counter using microchannel plates, ch. 2. (INIS-mf – 4090) 366043
Harisiadis, L.
Lymphopenia caused by cranial irradiation in children receiving craniospinal radiotherapy. 373568
Harkanyi, Z.
A search for an effect of ultrasound alone and in combination with X-rays on chromosomes in vivo. 365385
Harker, A.H.
The initial production of defects in alkali halides: F and H centre production by non-radiative decay of the self-trapped exciton. 360096
Harker, Y.D.
Integral cross section measurements on ^{241}Am in the CFRMF. (BNL-NCS – 22500) 356907
Integral cross section measurements on ^{242}Pu in the CFRMF. (BNL-NCS – 22500) 356906
Reactivity measurements of St. Lucie shims at the advanced reactivity measurement facility. 358097
Harkness, S.D.
Development of A 9 Cr steel with improved strength and toughness. (CONF-770545 – 2) 359898
Resistive requirements for the vacuum wall of a Tokamak Fusion Reactor. (CONF-771029 – 182) 377363
Thermal stress and creep fatigue limitations in first wall design. (CONF-771056 – 8) 377474
Harlan, J.R.
Status of MUSL-2: the second microtron using a superconducting linac. 363147
Harley, J.H.
HASL procedures manual. (HASL – 300(Suppl.5)) 369545
Harley, N.H.
The beta dose to critical human tumor sites from krypton-85. 370399
Harling, O.K.
Fast-neutron sputtering of niobium. 358950
Fusion-neutron-induced nuclear recoil emission probabilities. 358951
Projected range calculations of radionuclide product ejection from metal surfaces by 14.8-MeV neutrons. 358776
Rapid chemical separations for thermal neutron activation analysis of niobium and vanadium and application to controlled thermonuclear reactor materials studies. 375230
Sputtering of niobium by energetic neutrons and protons: A round-robin experiment. 350569
Harlow, F.H.
Hydrodynamical calculations of heavy-ion collisions. (LA-UR – 77-1965) 361951
Harmatz, B.
Nuclear data sheets for A = 148. 351362
Nuclear data sheets for A = 197. 351363
Nuclear data sheets for A = 198. 351364
Harmer, D.E.
Treatment of radioactive wastes generated during the chemical cleaning of Dresden-1. 357778
Harmon, B.N.
Effect of pressure on the Fermi surface and band structure of ferromagnetic Gd. I. Experiment. 365180
Self-consistent, relativistic, ferromagnetic band structure of gadolinium. (SAND – 77-1260C) 362413
Spin-wave temperature dependence of gadolinium. (IS-M – 112) 373200
Harmon, C.A.
Substituted uranocenes with alkoxy and amino groups. 365022
Harmon, D.P.
Irradiation performance of Fort St. Vrain high-temperature gas-cooled reactor fuel in capsule F-30. 365947
Mechanical behavior of Biso-coated fuel particles during irradiation. II. Prediction of Biso particle behavior during irradiation with a stress-analysis model. 365928
Properties influencing high-temperature gas-cooled reactor coated fuel particle performance. 365919
Harms, A.A.
Neutron radiographic camera incorporating electron multiplication. 357888
Parametric analysis of the spallation breeder. 352753
Harms, B.C.
One-component formulation of Reggeon field theory. 363785
Harms, H.
Metabolism of soil-related phenolic compounds in plants and cell suspension cultures. 357659
Harms, P.
Evidence for the tau → γrhoπ decay mode. 372500
Measurement of the branching ratios for the decays J/PSI (3.1) → fω and J/PSI (3.1) → Bπ. (DESY – 77/50) 364568
Measurement of the branching ratios for the decays J/psi(3.1) → fω and J/psi(3.1) → Bπ. 372506
Measurement of the J/psi radiative decay into f^0(1270)γ. 377779
Harms, W.O.
Perspective on long-range nuclear energy options. (CONF-770973 – 1) 374248
Harnach, R.
The influence of the static wind load concept on the material requirements for reinforced-concrete natural-draught cooling towers. 368013
Harnden, D.G.
The relationship between induced chromosome aberrations and chromosome abnormality in tumour cells. 362700
Harnew, N.
f^0(1270) production in the reaction $\pi^-p \rightarrow \pi^+\pi^-n$ at 12 and 15 GeV/c. 372501
Harney, H.L.
Consequences of isospin mixing for compound nucleus reactions. (IKDA – 77/12) 364691
Harney, R.C.
Raman scattering method and apparatus for measuring isotope ratios and isotopic abundances. (US patent document 4,068,953/A/) 378116
Haroche, S.
Frontiers in laser spectroscopy. 354350

Harold, M.R.
LEP injection. 363154
Harpaz, R.
Retention and distribution of inhaled, neutron-activated fly ash in the syrian hamster. (LF – 56) 364853
Harper, C.R.
Analysis of waterhammer loads in a typical nuclear piping system. 357779
Harper, D.A.R.
The application of the Hammett equation to ^{13}C n.m.r. spectrometry. 355992
Harper, M.W.
Radiation dosimetry. (UK patent document 1480953/A/) 352812
Harper, P.V.
Positron emission computed tomography using large area detectors. (CONF-770685 – 2) 363548
Selection of chemotherapy for metastatic mammary cancer by effect on ^{131}Cs uptake. 373599
Harper, R.
Satellite measurements of ionic concentrations applied to low altitude incoherent scatter interpretations. 362621
Harper, S.F.W.
Absolute total collision cross sections for the scattering of metastable helium and neon atoms from rare gas atoms and diatomic molecules. 358756, 377030
Harpula, Z.
Influence of phenyltiourea on paramagnetic properties and radiosensitivity of Xenopus laevis embryos. 379018
Harrach, D.v.
Reaction between ^{238}U and ^{238}U at 7.45 MeV/nucleon. 366981
Harrar, J.E.
Automated sample-processing and titration system for determining uranium in nuclear materials. (UCRL – 52351) 380122
General Chemistry Division quarterly report, January – March 1977. (UCID – 15644-77-1) 372868
Methods for the accountability of mixed oxide. (PB – 267116) 363732
Harrath, A.Ben
Use of radioactive methods in surface and ground hydrology. 378897
Harrell, E.M. II
Schroedinger operators with singular perturbation potentials. 350513
Harries, D.R.
Irradiation creep in non-fissile metals and alloys. 360088
Harries, W.L.
X-ray emission from high temperature plasmas. Final report, 1 jul. 1974 – 30 jun. 1977. (N – 77-27920) 377419
Harriet, D.P.
The pathogenetic significance of low iodine intake in non-endemic goiter. 357612
Harrington, B.V.
An analysis of power transients observed in the SPERT-2 D_2O moderated close packed core. (AAEC/E – 418) 363536
Harrington, R.S.
Parallaxes of selected stars near the north galactic pole. 369209
Perturbation of Wolf 1062. 361701
Harrington, T.P.
Inhaled plutonium nitrate in dogs. (BNWL – 2100(Pt.1)) 360311
Harris-Lowe, R.F.
Dissipation by pinned vortex lines in the superfluid helium film. 359199
Dissipation in the superfluid helium film. 359220
Harris, A.J.
A light sensitive switch made from semiconducting diamonds. 360127
Harris, C.
Patterns of second malignant neoplasms in children. 373571
Harris, C.B.
Origin of optical dephasing times and line shape functions for electronic transitions to localized and delocalized states in solids. 368798
Harris, D.C.
Distribution of fission yields for fission spectrum neutron-induced fission of uranium-238. 372763
Harris, D.E.
Properties of radio sources in clusters of galaxies. 369099
Radio emission from a normal HD26676 star. 351087
Harris, D.R.
Analysis of sensitivity of PWR fuel cycle costs to uncertainties in nuclear data. (BNL-NCS – 22500) 358209
Nodal coupling by response matrix principles. 374112
Sensitivity of nuclear fuel cycle costs to uncertainties in nuclear data and methods. 360891, 363444
Temperature-dependent self-indication measurements in ^{238}U. (BNL-NCS – 22500) 356539
Harris, E.J.
Mediterranean fruit flies: sterility and sexual competitiveness in the laboratory after treatment with gamma irradiation in air, carbon dioxide, helium, nitrogen, or partial vacuum. 373538
Harris, F.A.
Ratio of neutral-current to charged-current cross sections for inclusive neutrino interactions in hydrogen. 351220
Harris, F.M.
Experimental determination of total scattering cross sections for positron-helium collisions. 348654
Total cross sections for the scattering of positrons by neon and argon. 368615
Harris, G.L.
Microprocessor controlled scanning and measuring of bubble chamber film. 379880
Harris, H.H.
Cd II excitation in slow He^+-Cd and He^+_2-Cd collisions. 350670
Dynamic model for vibronic excitation in low energy atom-molecule collisions. 353281
Harris, J.E.
Diffusional growth of creep voids. 351758
The performance of nuclear fuel elements in the CEGB Magnox reactors: results of post irradiation examination studies. 355426
Vacancies '76. Proceedings of a conference on 'point defect behaviour and diffusional processes' organized by the Metals Society and held at The Royal Fort, University of Bristol, on 13-16 September, 1976. 351661, 351679, 351758, 351880, 351882, 351889, 351892, 351893, 351894, 351908, 351910, 351957
Harris, J.L.
Thermal impact assessment of multi-power plant operations on estuaries. 378890
Harris, J.M.
Use of $^{12}C(d,p)^{13}C$ and $^{16}O(d,p)^{17}O$ reactions. (SAND – 77-0366C) 351433
Harris, J.W.
Bombarding energy dependence of deep inelastic fragment kinetic energies. 351341
Harris, K.N.
On-site reconstitution of 108 St. Lucie I fuel assemblies. 358218
Harris, R.
A compact ^{133}Xe gas dispenser. 358424
Harris, R.E.
Numerical evaluation of the response of a Josephson tunnel junction in an arbitrary circuit. 374009
Harris, R.G.
Energy dependence of analysing power in elastic and inelastic scattering of ^3He by ^{12}C. 372772
Harris, R.J.
Prototype vibration measurement results for B and W's 177-fuel assembly, two-loop plant. (BAW – 10039(Suppl.1)) 365898
Harris, R.T.
Development of utility non-LOCA safety analysis methods. 360444
Utility use of NSSS supplier reactor analysis code for operational support. 358190
Harris, S.E.
Numerical analysis of laser induced inelastic collisions. 377031
Harris, S.M.
Rotation-alignment mechanism and the second discontinuity in the yrast level spacing. 372619
Harris, T.B.
NOAA carbon dioxide measurements at Mauna Loa Observatory, 1974-1976. 360468
Harris, T.H.
Fundamental studies in isotope chemistry. Progress report, 1 July 1976 – 30 Jun 1977. (COO – 3498-33) 372950
Harrision, J.E.
In vivo determination of nitrogen using Pu-Be sources. 349179
Harrison, A.W.
Spectral albedo corrections to ISIS 2 satellite auroral photometer data. 357533
Harrison, C. Jr.
Argonne Code Center: compilation of program abstracts. (ANL – 7411(Suppl.11)) 374513
Harrison, C.R.B.
Level measuring device for containers for liquids. (German (F.R.) patent document 2138350/B/) 368341
Harrison, E.R.
Has the sun a companion star. 359092
Harrison, F.L.
Impact and fate on aquatic environments of copper from nuclear power plants. 349892
Harrison, G.J.
Treatment of radioactive wastes generated during the chemical cleaning of Dresden-1. 357778
Harrison, J.F.
RETRAN sensitivity studies of light water reactor transients. Final report. (EPRI-NP – 454) 365526
Harrison, J.P.
The electric susceptibility and specific heat of praseodymium magnesium nitrate. 348783
Harrison, J.W.
Absolute measurements of the coefficient of thermal expansion of pyrolytic graphite from room temperature to 1200 K and a comparison with current theory. 370111
Harrison, K.
Thallium-201 distribution in the thyroid: relationship to thyroidal trapping and blood flow. (INIS-mf – 4052) 373619
Harrison, K.G.
The calibration of neutron instruments and dosimeters at intermediate energies. 379895
The spark counting of etched fission-fragment tracks in polycarbonate for a personal neutron dosimetry system. (AERE-R – 8844) 366021
Harrison, M.A.
Magnetic fusion energy annual report, July 1975 – September 1976. (UCRL – 50002-76) 377420
Harrison, N.T.
Radiological safety by design. 367807
Harrison, R.
Repetitive high power switching technology. (EPRI-ER – 376-SR) 361594
Harrison, R.P.
Evaluation of flaw indication – an extension of fast fracture assessment into the post yield regime. 364601

A unified approach to failure assessment of engineering structures. 351759
Harrison, R.W.
Physical and radiobiological properties of the negative pi-meson beam at TRIUMF. 378979
Harsh, O.K.
Intensity of high energy double plasmon satellite of the K X-ray emission spectrum of Be. 371687
Harstead, G.A.
Dry spent fuel cask handling system. 352479
Hart, D.W.
Neutron and x-ray diffraction studies on tris(dimethylphenlyphosphine)osmium tetrahydride. 378286
Hart, E.J.
Conversion of hydroxycyclohexadienyl radicals of methylated benzenes to cation radicals in acid media. 357178
Hart, J.C.
A partial-wave analysis of world data for the reaction $\pi^- p \rightarrow K^0 \Lambda$ from threshold to 2350 MeV/c. 353760
Hart, J.D.
A background to the AGR designs. 352688
Hart, J.E.
Production of uranium dioxide. (US patent document 4,053,559/A/) 373120
Hart, L.
Recombination line observations of ionized hydrogen. 356250
Studies of low-frequency recombination lines from the direction of the Galactic Centre and other galactic sources. 372233
Hart, R.D.
Radiative muon capture in calcium. 351365
Hart, R.G.
Management of nuclear waste. (AECL – 5800) 361122
Sources, availability and costs of future energy. (AECL – 5816) 361139
Hart, R.W.
Amazon Molly, Poecilia formosa, as a model for studies of the effects of ionizing radiation. (BNL – 23239) 362691
Comparison of survival and unscheduled DNA synthesis between an insect and a mammalian cell line following X-ray treatments. 378966
Hart, W.
Measurement of the branching ratios of multi-pion final states in anti pp annihilation at 1.6 GeV/c. 366884
Total cross sections for charged-current neutrino and antineutrino interactions in BEBC in the energy range 20-200 GeV. 353945
Harte, G.A.
A quantitative assessment of nuclear incineration of actinide waste. 355635
Harten, U.
Fuel rod behaviour in the refill and flooding phase of a LOCA. (AED-Conf – 77-403-003) 376210
Influence of the size and shape of cooling channel blockages on the emergency core cooling in the reflood phase of a LOCA. (KFK – 2435) 357796
Investigations of the fuel rod behavior in the low pressure phase of a LOCA and of the interaction between ballooning Zircaloy claddings and emergency core cooling. (KFK – 2435) 358203
Harter, C.
Effective charges and radial integrals in A = 17 nuclei. 356594
Harter, W.G.
Alternative basis for the theory of complex spectra II. (UEC-S – 163/33/75) 363786
Hartfuss, H.J.
Excitation cross sections for the H-states 3s, 3p, 3d after the dissociative excitation of some H-containing molecules after e^--impact. 368645
Harth, R.
Development of helium-heated steam reformers. 379688
Harthoorn, A.M.
The influence of seasonal changes in the concentration of trace elements in liver tissue of various wild animals determined by instrumental neutron activation analysis. 369577
The influence of seasonal changes in the determination of selenium in liver of various animals by neutron activation analysis and high-resolution gamma spectroscopy. 367683
Harthoorn, R.
Positron annihilation in non-dilute AgPd and CuPd alloys. (INIS-mf – 4099) 364873
Hartig, G.F.
Ultraviolet spectrum of quasi-stellar object 3C273. 348987
Harting, D.
A search for the I peak at 2.60 GeV/c^2 in 12 GeV/c anti pp interactions in the CERN 2m HBC. 377781
Harting, E.
Electron impact dissociation cross sections in hydrogen and deuterium, leading to Balmer alpha and beta emission. 374623
Harting, P.
Thermodynamic carbon isotope effect for solubility of ethane in water. 349195
The thermodynamic carbon isotope effect in the system CH_4-H_2O. 2. 372963
Hartkamp, A.
Excretion of radioactivity in breastmilk following administration of an sup(113m)indium labelled chelate complex. 362753
Hartkopf, G.
The instrumentarium of the Federal government for the protection of population and environment on connection with nuclear power plants. 376204
Hartland, J.
The study group "PACT". (INIS-mf – 4037) 368497
Hartle, J.B.
Bounds on the moment of inertia of nonrotating neutron stars. 351073
Path-integral quantization and cosmological particle production: An example. 359066
Hartley, J.L.
Predicting gas mixture changes due to leakage in hermetically sealed units. 373974
Hartley, J.N.
Borehole sealing method and apparatus. (US patent document 4,024,916/A/) 358519
Hartley, N.E.W.
The improvement of the surface wear characteristics of materials by ion implantation. (UK patent document 1490063/A/) 364028
Hartley, W.
Nuclear plant staffing. 358136
Hartman, A.
Hauser-Feshbach cross-section calculations for elastic and inelastic scattering of alpha particles-program CORA. (INP – 865/PL) 374525
Hartman, C.W.
A conceptual fusion reactor based on the high-plasma-density Z-pinch. 348921
Interchange instability with line-typing and finite Larmor radius effects. 350930
Hartman, M.
Effect of lanatoside C in experimentally induced in vivo heart failure during radiation disease. 373524
Hartman, R.M.
Need for improving the federal and state siting and licensing process. 358572
Hartman, W.F.
Variations in frequency content of acoustic emission during extension of HF-1 steel. 352430
Hartmann, F.J.
Measurement of the Coulomb capture ratio of muons in twenty oxides of medium and heavy elements. 362050
Quantitative assessment using gamma camera and computer of thyroid scintigraphs for the diagnosis of autonomous adenomas. (INIS-mf – 4010) 370456
Hartmann, G.
Determination of main and trace elements in Luna-16- and Luna-20-material. 354288
Hartmann, H.
Coatings to be hardened by radiations. (German (F.R.) patent document 2452322/A/) 354426
Hartmann, H.J.
Computer network with CAMAC process periphery for on-line data acquisition. 368488
Hartmann, J.L.
201-GeV/c proton-proton elastic scattering at large momentum transfer. 366888
Hartmann, L.W.
Abundance analyses of late-type dwarfs. 372183
Hartmann, O.
Quadrupole influence on the dipolar-field width for a single interstitial in a metal crystal. 363898
Hartmann, R.
Inclusive π^0 production in $\pi^+ p$ interactions at 16 GeV/c. 366818
Measurement of gamma-rays, neutrons and charged particles after π^--capture in nuclei. 378077
Muon hadron separation in BEBC using an external muon identifier. (BONN-HE – 77-2) 364580
Spin-parity analysis of the diffractively produced low-mass Nπ systems in the reaction $\pi^- p \rightarrow \pi^- (N\pi)^+$ at 16 GeV/c. 369382
Total cross sections for charged-current neutrino and antineutrino interactions in BEBC in the energy range 20-200 GeV. 353945
Hartmann, W.
Heater rods for simulation of fuel pins in liquid-metal-boiling experiments. Pt. 2. (KFK – 2474) 370707
Hartog, J. den
Separation of rate processes for isotopic exchange between hydrogen and liquid water in packed columns 10. 367858
Hartquist, T.W.
Mechanism for heating dense interstellar clouds. 359093
Hartsfield, D.L.
Owner performance of first line quality control of a constructor. 358137
Hartung, K.R.
Ascertaining the failure rates of Diesel aggregates and electronic plug-in units for determining the failure probability of safety systems. 352480
Hartwig, H.
Design and performance of integrated sputter-ion pumps for particle accelerators. 370749
New techniques for the PETRA vacuum system. 363249
Hartwig, K.T.
Dilute aluminium alloys: their potential in superconducting devices. 359935
Formation of superconducting A-15 V_3Ge compound by a composite-diffusion process. 351816
Hartwig, M.
Structural fluctuations in duplex DNA. 373481
Survival of irradiated mammalian cells. 373489
Hartwig, S.
Comparison of inelastic electron and positron scattering cross sections on ^{12}C and ^{27}Al. (DESY – 77/40) 364781
Shadowing effect in inelastic electron scattering on ^{12}C and ^{27}Al nuclei at small four momentum transfer. (DESY – 77/55) 364782
Validity of the one-photon exchange approximation in inelastic

scattering of electrons and positrons on protons. 366889
Hartynov, S.A.
Changes in toughness properties of liquid metal in the process of acid steel large ingot formation. 369852
Harun ar Rashid, A.M.
Meson-baryon scattering lengths in a chiral Lagrangian model. 351164
Haruyama, Siro
Polarization behavior of vanadium tetraoxides electrodes in neutral solutions. 354357
Harvego, E.A.
Investigation of alternate ECC injection concepts in the semiscale Mod-1 system. (TREE-NUREG – 1117) 370563
Harvey, A.
Experience with the LAMPF mineral-insulated magnets. (LA-UR – 77-1789) 365744
Harvey, A.R.
Development work on superconducting coils for a large mirror fusion test facility (MFTF). (UCRL – 78891) 358929, 377378
Harvey, C.C.
Turbulence in the solar wind. 353559
Harvey, E.
Technetium-99m-labeled N-(2,6-dimethylphenylcarbamoylmethyl) iminodiacetic acid (/sup 99m/Tc HIDA): a new radiopharmaceutical for hepatobiliary imaging studies. 373687
Harvey, E.H.
Direct e^+e^- pair production by 300-GeV/c protons in neon. 359341
Harvey, J.
Observations of small-scale photospheric magnetic fields. 369100
Harvey, J.A.
Giant magnetic dipole states in ^{208}Pb. (BNL-NCS – 22500) 356787
High resolution neutron transmission and capture for ^{91}Zr. 356842
Intermediate structure studies of ^{234}U cross sections. (INIS-mf – 3896) 356792
Neutron resonance parameters of ^{90}Zr below 300 keV. 356841
Neutron resonance parameters of ^{96}Zr below 100 keV. (AAEC/E – 415) 356840
Harvey, J.R.
The calibration of neutron instruments and dosimeters at intermediate energies. 379895
Harvey, J.T.
Distribution of fission yields for fission spectrum neutron-induced fission of uranium-238. 372763
Harvey, J.W.
A comparison of He II 304 A and He I 10830 A spectroheliograms. 366703
Direct observations of the heterogeneity of supergiant disks. 369101
Open magnetic structures on the sun. 351042
Harvey, P.M.
Far-infrared emission from compact sources in NGC 2264 and the rosette nebula. 351020
Harvey, R.F.
Radioimmunoassay of lactoferrin in pancreatic juice as a test for pancreatic diseases. 370470
Harvey, R.S.
Overview of environmental research at the Savannah River Laboratory. (DP-MS – 77-91) 362946
Harwood, L.H.
$^{13}C(^6Li,\alpha)^{15}N$: Emphasis of back-angle data. 364783
Quadrupole effects in the elastic scattering of ^{10}B, ^{11}B and ^{12}C by ^{27}Al. 354248
Haryono Arumbinang
Graft polymerization of vynil monomers at carbon black surface (1). (PPGM – R89-76) 367164
Haryu, Tsuneo
Hyperbaric oxygen therapy for x-ray ulcer. 362705
Hasal'skij, Ya.S.
Improvement in quality of hot-rolled thin band. 369854
Hasan, D.
On the effect of passive heat sinks on the containment heat removal following a LOCA, using the CONTEMPT code. (INIS-mf – 4052) 368014
TRANC-1: a computer program for transient hot-channel analysis. (INIS-mf – 4052) 368489
TRANC-1: self verification and comparison with RELAP4 program. (INIS-mf – 4052) 376413
Hasan, S.H.
Homologous radioimmunoassay for canine prolactin and its application in various physiological states. 365491
Hasan, S.S.
Effect of ^{60}Co whole-body itradiation on thyroid of albino rats. 349739
Response of adrenal gland to whole body ^{60}Co irradiation. 349738
Hasany, S.M.
Extraction of group IB, IIB and III-VA elements with 1-phenyl-3-methyl-4-trifluoroacetyl-pyrazolone-5. 364956
Hase, H.
Hydrogen atom abstraction reaction by H atoms in γ -radiolysis and U.V.-photolysis of alkane mixtures at 4 K. 365065
Hase, W.L.
Dynamics of unimolecular reactions. 361360
Hasebe, Mitsuru
An autopsy case of thorotrast induced hepatoma. 360317
Hasebe, N.
The effect of transition radiation on the ionisation loss of relativistic electrons passing through a gas proportional counter. 374323
Hasegawa, A.
Electron spin resonance studies of electron attachment to fluorocarbons and related compounds. 357150
Stationary spectrum of strong turbulence in magnetized nonuniform plasma. 350863
Hasegawa, Hiroshi
Development of solid state track detector. 379896
Hasegawa, Kanemitsu
Synthesis of cubic boron nitride. 354332
Hasegawa, T.
Electrical properties of highly nitrided tantalum thin films. 368885
A scattering chamber at the INS sector focusing cyclotron. (INS-TL – 132) 350089
Hasegawa, Tadao
The percutaneous absorption of ^{35}S-acetyl-L-methionine and L-serine in rabbit. 373770
Hasegawa, Tatsuo
Dehydrating process experiment on spent ion-exchange resin sludge by Funda Filter. 350403
Hasegawa, Yasuo
A parametric study on reactor containment response to fuel-sodium interaction. (PNC-N – 251-76-12(vol.2)) 349901
Haseler, L.E.
Experiments on helium refrigerant at high speed of rotation. 360625
Thermodynamics of helium in the rotating frame between 3.0 and 6.0 K. 364444
Hasell, D.K.
Measurements of the proton total reaction cross section for ^{24}Mg, $^{64\ 66\ 68}$Zn and ^{140}Ce between 17.5 and 48 MeV. 356735
Haselton, H.H.
Component design description of the neutral beam injectors for PLT. (CONF-771029 – 43) 371907
Development and testing of the ORNL/PLT neutral beam lines for the Princeton Large Torus. (CONF-771029 – 108) 371801
DuoPIGatron ion sources for PLT injectors. (CONF-771029 – 63) 372064
Impurity studies experiment/ORMAK-upgrade neutral beam systems. 377547
New ORNL neutral beam transport system. (CONF-771029 – 147) 377546
Performance of 4.2 K cryopumps in neutral beam injectors. 377534
PLT neutral particle injectors. 377421
Hasenfelder, E.P.
The VRA 20 – a computer controlled X-ray fluorescence analyzer. 367038
Haseroth, H.
Acceleration and stacking of deuterons in the CERN PS and ISR. 363144
Hasert, F.J.
Total cross sections for charged-current neutrino and antineutrino interactions in BEBC in the energy range 20-200 GeV. 353945
Hashemian, H.M.
In-situ response time testing of platinum resistance thermometers. (EPRI-NP – 459) 358223
Hashiba, M.
In-depth profile of altered layers of copper-nickel alloys formed by sputtering. 368902
Hashimoto, Akira
Method of separating uranium isotopes. 349931, 360562
Separation method of uranium isotopes. 360561, 360563
Hashimoto, H.
Actual status of sodium cavitation studies in Japan. (IWGFR – 9) 352788
New techniques for the treatment of laundry and other low-level liquid wastes. 358496
Hashimoto, Hiroshi
A coil. 366638
Construction of non-circular cross-section tokamak with diverter 'JFT-2a' for nuclear fusion research. 358961
Toroidal coil. 366551
Hashimoto, K.
Experience in constructing a spent nuclear fuel reprocessing plant in Japan. 367196
X-ray diffraction of modulated structures. 362471
Hashimoto, Koshiro
Particle properties of cadmium sulfide prepared by the reaction of cadmium salts with hydrogen sulfide. 359611
Various influencing factors on the oxidation of cadmium sulfide. 359612
Hashimoto, Masaru
Eye abnormalities in fetal and postnatal mice caused by 200R of x-radiation on day 7 or 11 of gestation. 379043
Eye abnormalities in the mouse fetus and postnatal mice caused by x-radiation of 150 R on the 7th day of gestation. 349740
Eye abnormalities in the mouse fetuses and postnatal mice caused by 150R of x-radiation on day 7 of gestation. 354775
Hashimoto, Masayoshi
Consideration for safety design of pipings in preparing the program of instrumentation. 374202
Hashimoto, Y.
Proton inelastic scattering from ^{110}Cd and ^{112}Cd at isobaric analog resonances and analysis with the quasiparticle random-phase approximation. 354267
Hashimoto, Yoshikazu
Estimation of emission sources of trace elements in an atmospheric aerosol by particle size distributions. 359550
An evaluation of filtering materials used for collection of airborne particulate matters for neutron activation analysis. 379445
Post-irradiation chemistry of selenium in neutron activation analysis. 354307

Hashimura, Toshiaki
Clinical and fundamental studies of ureteral impairment associated with radiotherapy for cancer of the cervix. 379060
Hashizume, A.
The dependence of multiple inner-shell ionization on the projectile energies and on target elements by nitrogen-ion bombardment at the energy above 4 MeV/amu. 353180, 376964
Hashizume, Tadashi
Estimation of population doses from chest mass screening, 1975. 373893
Estimation of population doses from stomach mass screening, 1975. 379337
Hashmi, J.A.
Experience in transfer of control and instrumentation technology to a developing country. 352712
Hashmi, M.
First results on the confinement of a laser-produced plasma in the W IIb stellarator. (INIS-mf – 3963) 371741
Hasiguti, R.R.
Defect structures of slightly reduced semiconducting rutile as observed by the channelling method. 370246
Hasik, J.
Radioimmunoassay of gastrin level in duodenal ulcer, atrophic gostritis and Addison-Biermer's disease. 373763
Hasinoff, M.D.
New limit on the decay $\mu^+ \rightarrow e^+\gamma$. 372516
Pion charge exchange at rest. 359260
Radiative proton capture by carbon-12. (RLO/1388 – 362) 372721
Haskin, L.A.
A well-tested procedure for instrumental neutron activation analysis of silicate rocks and minerals. 375284
Haslop, D.
Automatic particle counter for testing filter penetration by low concentration DOP aerosols. 360509
Hasnat, K.A.
Problems and prospects of domestic industry participation in nuclear technology transfer. 352552
Problems faced by Bangladesh in introducing a nuclear power programme. 371329
Hass, K.F.
Basic training of operational personnel for nuclear power plants. 352553
Hass, M.
Magnetic moments of the 2^+ first excited states of even iron isotopes. 359463
Hassairi, I.A.
On the multiple scattering of cosmic rays at sea level. 356309, 359152
Hassan, A.
Carbaryl residues in maize products. 379171
Chemistry and toxicology of pesticide chemicals. 7. 373779
Phosvel residues in cotton-seed products. 379163
Hassan, A.A.
Inclusions in bone material as a source of error in radiocarbon dating. 359555
Hassan, A.M.
Nuclear techniques used in prospecting for gold in the Arab Republic of Egypt. 375978
Hassan, A.R.
Magnetic excitons by two-photon absorption in semiconductors. 353432
Hassan, M.H.A.
Anisotropic temperature relaxation of plasmas in an external magnetic field. 368956
Hassberger, J.A.
Preliminary results of CSTF aerosol behavior test, AB-1. (HEDL-SA – 1381) 379250
Hasse, J.
Superconducting energy gap and transition temperature of amorphous $Pb_{55}Bi_{45}$-films. 374998
Hasselgren, L.
Measurements of γ-γ and γ-electron directional correlations in ^{119}Sb. 364742
The reorientation precession technique, REPREC, applied to the measurement of $Q(2_1^+)$ in ^{102}Pd and ^{104}Pd. 356755
Hasselkamp, D.
Collision induced production of H* (2p) and H* (2s) from H_2 by fast ions. 353262
Excitation of the Werner band system of H_2 by fast ions. 353263
Hassenstein, E.
Functional scintigraphy after radiotherapy of the skeleton – an experimental investigation on animals and a clinical investigation. (INIS-mf – 4010) 357675
Hassib, G.M.
On the electrochemical etching of neutron-induced tracks in plastics and its application to personnel neutron dosimetry. 368295
Hassler, D.
Equipment for flow measurements according to the ultrasonic Doppler method. (German (F.R.) patent document 2555134/B/) 376704
Hassler, N.
Evidence for narrow bound states related to the panti p system. 377817
Study on antiprotonic atoms of light nuclei and isotopes. 371523
Hassmann, K.
The course of hypothetical LWR core meltdown accidents. (AED-Conf – 76-699-006) 365554
The role of hydrogen development in hypothetical core meltdown. 370564
Hast, R.
Studies on human preleukaemia. 357613
Hasted, J.B.
Energy distributions of diatomic molecular positive ions in a drift tube. 368683
Ionisation of positive ions by electrons in the hollow-beam trap. 374620
Resonances in hydrogen halides. 377077
Hastie, R.J.
Ballooning instabilities in toroidally linked mirror systems. 348922
Hastings, I.J.
Performance of highly rated UO_2 fuel in the WR-1 organic-cooled reactor. (AECL – 5399) 361008
Hastings, J.
Study of SPEAR as dedicated source of synchrotron radiation. 363183
Hastings, J.B.
Separated function focusing monochromator system for synchrotron radiation. (BNL – 23353) 379499
Hasuyama, H.
Effect of dissociator nozzle temperature on polarized atomic hydrogen beam intensities. 368716
Haszko, S.E.
Electron-beam-induced current and TEM studies of stacking faults formed by the oxidation of boron-implanted silicon. 373381
Hata, K.
Transient boiling heat transfer and burnout caused by rapid depressurization. 376532
Hata, Kazuto
Glove box for tritium handling. 360683
Safety handling of tritium. 355162
Hata, S.
An application of activation analysis of aluminium in biological materials. 372933
Hata, Yoshimaro
Rhabdomyosarcoma of the abdominal wall following radiotherapy for carcinoma of the cervix uteri. 379061
Hatada, M.
Polymerization induced by electron-beam irradiation of octadecyl methacrylate in the form of a multilayer or monolayer. 373052
Hatakenaka, Hideo
Gripper driving device for moving a fuel up and down in a reactor. 350133
Handling apparatus for fuel assemblies in a core. 360938
Hatakeyama, Fumio
Thermal densification of mixed oxide fuels. (PNCT – 831-77-01) 379574
Hatakeyama, R.
Enhanced heating of mirror-trapped ions under an instability around ion-cyclotron frequency. 356112
Hatano, Hiroyuki
Radical chromatographic separation and ESR detection of spin-trapped nucleotide radicals in gamma-irradiated aqueous solution. 354427
Hatano, Y.
Doppler profile measurements of Balmer-α by electron impact on simple molecules. 358761
Electron reactivity in liquid hydrocarbon mixtures. 362286
Hatch, A.M.
Design of superconducting magnets for full scale MHD generators. 374990
Hatcher, S.R.
Prospects for future CANDU fuel cycles. (AECL – 5800) 361161
Technical and economic considerations in fuel reprocessing. 373121
Hatchett, S.
Evaporative winds in x-ray binaries. 350980
Structure of the iron fluorescence line in x-ray binaries. 351021
Hathorn, L.F.
Effects of preloading of stannous compounds on the distribution of sup(99m)Tc-pertechnetate. 352157
Hatori, Noboru
Practical use and characteristics of thermoluminescence dosimeters as a personal monitor. 360536
Hatori, T.
Radio-frequency plugging of mirror and point cusp ends. (INIS-mf – 3963) 372084
Hatori, Tadatsugu
Nonlinear heat and particle transport due to collisional drift waves. (IPPJ – 281) 368979
Hatta, Y.
Enhanced heating of mirror-trapped ions under an instability around ion-cyclotron frequency. 356112
Hatterer, A.
Application of bremsstrahlung activation analysis for the determination of carbon and nitrogen in sodium. 367023
Hattery, R.R.
Retrospective comparison of radionuclide scans and computed tomography of the liver and pancreas. 352114
Hattori, Noriaki
Device for regulating the position of fuel supporter. 368019
Hattori, S.
Enhancement of the rate of charge-exchange collisions in a He-Cd discharge. 350592
Hattori, Sadao
Production and installation of the turbine and alternator for the advanced thermal reactor prototype 'Fugen'. 355448
Hattori, Seiichi
Experimental study on intermediate level radioactive waste processing. 350396

Hattori, Shinji
Fuel rods. 350154, 350155
Hattori, T.
The vapourized-metal cluster ion source and its application to film formation. 370683
Hattori, Yoshio
Effects of lead wire position along resistive electrode on current distribution in Faraday-type MHD duct. 353723
Haubelt, R.
Compilation of data on the release of radioactive substances in the vent air of nuclear power plants in the Federal Republic of Germany in 1975. (STH – 2/76) 350197
Radiation exposure in 1975 by nuclear installations in the Federal Republic of Germany. (STH – 8/77) 370572
Radioactive emissions in the waste air from nuclear power stations in the year 1976. (STH – 1/77) 357846
Haubenreich, P.N.
Design of superconducting toroidal magnet coils and testing facility in the USA. (CONF-770842 – 5) 358976
Development of large superconducting magnets for fusion reactors. (CONF-771056 – 2) 371933
Hauber, R.D.
International exchange of safety and licensing information. 371324
Haubner, P.
Basic guidelines and equipment specific for computer-aided control rooms. (KFK-PDV – 113) 368342
Haubold, M.
The diffusion of ion-implanted zinc in GaAssub(1-x)Psub(x). 350760
Hauck, B.
Available stellar data in galactic polar areas. 369116
Hauer, A.
Differential calorimeter for measurement of absorbed energy in laser-produced plasmas. 350920
Haueter, R.L.
Reliability improvement: where do we go from here. 363689
Haug, H.
Condensation effects of excitons. 353430
Haug, H.O.
Some aspects and long-term problems of high-level and actinide-contaminated spent fuel reprocessing wastes from the U-Pu and Th-U fuel cycles. 358460
Hauge, R.H.
Studies on matrix isolated uranium tetrafluoride and its interactions with frozen gases. 351610
Haugen, G.R.
Trace uranium: its measurement by time-resolved fluorescence. (UCID – 17549) 364917
Haughian, J.M.
Design and development of multi-megawatt beam dumps. (LBL – 5901) 367969
Update on the development of 120-keV multi-megawatt neutral beam source. (LBL – 5900) 365745
Haughie, G.E.
Breast neoplasms in women treated with x-rays for acute postpartum mastitis. 362708
Hauk, V.
Mechanical and X-ray elastic constants of porous Cu-W sintered materials. 354517
Hauke, R.
Theoretical investigations of rotational symmetrical electron beam production systems under consideration of space charge. (INIS-mf – 4209) 379500
Haukka, M.T.
XRF determination of trace and major elements using a single-fused disc. 362139
Haunold, E.
The effect of 2.4-D and MCPA on the influx and efflux of ^{86}Rb(K) and ^{32}P in wheat roots. 354903
Potassium influx and efflux of 2,4-D and MCPA-treated rice plants. (SGAE – 2672) 354906, 379128
Hauptman, J.M.
Direct measurement of the π^- form factor. 372514
Haury, G.
Investigations on the interactions of fission products and aerosols in LWR-containments. (KFK – 2435) 357738
Hausamann, D.
Super Coster-Kronig and Coster-Kronig transitions of Zn and Xe. 358757, 377032
Hausen, H.
Uni axial tensile graphite creep capsules with continuous strain registration. 360745
Hauser, C.R.
Cyclizations to lactones. ^{18}O mechanism study. 372964
Hauser, H.
A half automated, non time consuming radiochemical separation scheme for determination of 25 trace elements in biological specimens. 372924
Hauser, J.R.
I. The indicatrix of composite crystals. II. Calculation of the indicatrix of silicate minerals with the classical point-dipole model. III. The structure of two sodium-uranyl fluorides. (LBL – 6233) 351862
Hauser, M.G.
One-millimeter observations of the Crab nebula. 361751
Hauser, W.
On the design of a multiperiodic iris-loaded π-mode structure for a radio-frequency particle separator. (KFK – 2478) 355533
Hauske, H.
The lattice constants of actinium (III) oxalate decahydrate. 354603
Hausner, H.
Method of preparing silicon carbide powders from the gas phase. (AED-Conf – 77-314-004) 370082
Synthetic ceramic raw materials. (AED-Conf – 77-314-003) 375926
Hausner, H.H.
Modern developments in powder metallurgy. 362509
Hauss, E.
Separation of krypton and xenon from the offgas of nuclear facilities. (KFK – 2435) 357914
Hauswirth, W.
Cytidine-C(5)-photoexchange: a kinetic analysis. 351992
Haut, H.
A model for the u-d mass difference. 361784
Haut, J.
Experimental examinations about the proliferation and radiotherapy after administration of Vincristin and Adriamycin. 367492
Hautala, M.
Use of the ^{27}Al(p,γ)^{28}Si, Esub(p) = 992 keV resonance as a gamma-ray intensity standard. 370685
Hautecler, S.
Neutron spectroscopy of the crystal field splitting in cerium hydride. 378752
Phonon dispersion relations in CeDsub(2.12). 368900
Hauth, W.E.
State of the art: alumina ceramics for energy applications. (LA – 7063-MS) 378768
Havas, P.
On theories of gravitation with higher-order field equations. 353085
Havel, D.
Fast neutron cross sections of vanadium and an evaluated neutronic file. (ANL/NDM – 24) 351358
Titanium-I: fast neutron cross section measurements. (ANL/NDM – 31) 364773
250 keV resonance in the total neutron cross section of ^{6}Li. (ANL/NDM – 29) 372812
Havemann, U.
Collision-induced dissociation of H^+ by He at eV energies. Crossed-beam and trajectory studies. 377150
Havener, W.J.
Compilation of TFTR materials data. (WFPS-TME – 031) 366552
Havens, W.W. Jr.
Fission fragment measurements: double energy measurements. (BNL-NCS – 22500) 356830
Neutron spectroscopy. Progress report, 1 October 1976 – 30 September 1977. (COO – 2176-45) 378003
Haverbeke, Y. van
Heterocycles fragmentation by electron beams. 354440
Haverkamp, K.
The decay of ^{136}Te (20.9s). 354262
Havice, D.
Refueling outage planning, scheduling and coordinating. 358219
Havlicek, M.
Matrix canonical realizations of the o(m,n) Lie algebra. 353086
Havlicek, V.
Temperature dependent EPR of octahedral S-state ions in garnets. 377199
Havlik, E.
Extraction of Tc-sulfur-colloid and liver and spleen uptake in patients with chronic diseases of the liver parenchym and neoplasms. (INIS-mf – 4010) 367685
Regional lung function measured with ^{133}Xe in patients with provoked bronchial spasms. (INIS-mf – 4010) 370471
Havranek, M.
Experience with the three-dimensional coupled LUPE-COBRA programme system. 370790
The imbedded flux calculation and the reconstruction of the original material structure of the fuel bundle. 350112
On flow continuity in the finite element method. 370793
Hawarden, T.G.
The broad giant branch of Melotte 66. 372184
A new sculptor-type dwarf elliptical galaxy in Carina. 348986
The young cluster NGC 5367 and A1353-40. 349037
Hawickhorst, W.
Simulation experiments concerning functioning tests of technical safety devices with process computers. Pt. 2. (MRR – 169) 350176
Hawke, R.S.
Future pulsed magnetic field applications in dynamic high pressure research. (LA-UR – 77-1566) 357918
Hawkes, D.J.
An investigation of nuclear resonance scattering for in vivo analysis of liver copper. 356981
Hawkes, J.
Immunoradiometric assay of salivary anti-C3 antibodies. 365485
Hawkesworth, M.R.
Radiography with neutron beams for the pre- and post-irradiation testing of nuclear fuel. 376436
Hawking, S.W.
Black holes and unpredictability. 366704
Generalized spin structures in quantum gravity. 371387
Zeta function regularization of path integrals in curved spacetime. 353087
Hawkins, B.W.
Uranium exploration in Australia. 365253
Hawkins, L.A.
Adrenal scanning using ^{75}Se cholesterol (Se MC). (INIS-mf – 4010) 370461
Hawkins, M.R.S.
Optical structure in some low-redshift quasars. 372185

Hawkins, R.B.
Characterization of ionizing radiation damage in DNA. Final report, February 1, 1977 – September 30, 1977. (COO/4340 – 1) 373498
Hawkins, R.H.
Large rectangular bellows valve. (UCRL – 79751) 372058
Hawkins, T.
A compact ^{133}Xe gas dispenser. 358424
Hawlader, M.N.A.
Non-equilibrium effects in transient two-phase flow. 376317
Hawlicka, E.
Coefficients of tracer transfer through membranes. Pt. 7. 355113
Hawrylak, R.
Extraction system of the Nevis Synchrocyclotron. 363209
Hawryluk, R.J.
Energy loss rates of energetic ions injected into the FM-1 spherator. 350822
Hawtin, P.
Transport of sodium through the cover gas of a sodium cooled fast reactor. (CONF-760503 – P2) 352734
Haxton, W.C.
Neutrino reactions in the mass-37 system. 354060
Hay, M.G.
Electrochemical monitoring of carbon steel corrosion in heavy water production. 359826
Iron sulfide coatings to reduce hydrogen damage in H_2S environments. 359824
Hay, P.J.
Geometries and energies of the excited states of O_3 from ab initio potential energy surfaces. 350626
Recent applications of the R-matrix method to problems in low-energy electron-diatomic-molecule scattering. 358821
Hayakawa, H.
Specific action of T4 endonuclease V on damaged DNA in xeroderma pigmentosum cells in vivo. 349713
Hayakawa, Hiroyasu
Control of radioactive waste disposal system for BWR plants. 368369
Hayakawa, Katumitu
Kinetics of the oxidation of formate by iodine in the water-methanol and the water-ethanol mixed solvents. 372965
Hayakawa, Kazunobu
Generalized Bethe potential in reflection electron diffraction. 358880
Hayakawa, Kiyoshi
Gamma-ray induced polymerization and copolymerization of formaldehyde divinyl acetal. 359817
Hayakawa, M.
ELF emissions observed at Moshiri. 365325
Hayakawa, S.
Balloon observations of gamma-ray bursts. 377613
Electron precipitation associated with a magnetic disturbance in the low L region. 359094
Hayakawa, Sachio
Balloon observations of infrared surface brightness of our galaxy. 348999
Hayakawa, Yukio
Balloon observations on the lunar occultation of the hard x-ray source in the Crab Nebula. 348993
Observation of galactic soft X-ray by K-9M-50. 377614
Observation of galactic soft x-ray by LEINAX-3. 377615
The precise measurement of nebula by utilizing the lunar occultation. 377608
Spectroscopic observation of cosmic soft x-ray. 353682
Hayama, Nobuyuki
Control equipment for condenser cascade plant. 367847
Hayamizu, Kikuko
^{13}C spin-lattice relaxation times in liquid crystalline p,p'-azoxyanisole. 359613
Hayashi, Chushiro
Adiabatic collapse of rotating gas clouds. 372287
Hayashi, Eisaku
Shock absorber for protecting the upper lattice of a reactor from earthquake. 368099
Hayashi, Hiroshi
Fuel assembly. 379816
Method of controlling power-up in a reactor. 368055
Synthesis of cubic boron nitride. 354332
Hayashi, K.
Primary ionic species of α-methylstyrene produced by high energy radiation. 375687
Hayashi, Katsutomo
Investigation of radiation proctitis in the Department of Surgery of the Gifu University. 367532
Hayashi, Kiyozumi
Study on densification of uranium dioxide fuel pellets. (JAERI-M – 7210) 379578
Hayashi, Masao
Estimation of spacial geo-stress components in rock samples by using the Kaiser effect of acoustic emission. 349895
Hayashi, Nobuyuki
Diffraction of moessbauer gamma rays in single crystal magnetite. 371610
Hayashi, Ryosei
A note on the approximate solution of the B-S equation in the quark-gluon model, 1. 353818, 359261
Hayashi, S.A.
Study of delayed neutrons by using an ISOL system. (KURRI-TR – 145) 378004
Hayashi, Sanshin
Hepatic accumulation of sup(99m)Tc-Sn-diphosphonate. 379187
Normal distribution of ^{111}In chloride on scintigram. 349869
Hayashi, Shigeo
Elastic scattering of electrons by molecules at intermediate energies, 2. 348687
Hayashi, Tadamasa
Method of processing liquid radioactive wastes. 380016
Hayashi, Tatsuo
Fuel assembly. 379816
Hayashi, Tomomasa
Wake effect in rocket observation. 377631
Hayashi, Tsutomu
Radiation-induced skin cancer of the hand. 354817
Hayashi, Yasushi
Effect of low dose x-ray irradiation on development and differentiation of the cerebral cortex, (8). 354776, 354777, 354778
Hayashi, Yutaka
Histological differences between the cell types of the irradiated lung cancers. 379034
Hayashida, Ichiro
Conductometric titration of cadmium by the formation of cadmium-o-phenanthroline-iodide ternary complex. 372942
Hayashino, T.
Backward particles from proton-nucleus interactions at high energies. 353966
Some features in rapidity space of multiparticle production by proton-proton collision at 102 GeV/c. 353970
Hayashiuchi, Y.
Analysis of clustering phenomena based on shock wave model. 373347
Hayasi, Yasuomi
Intensity dependence of He II resonance radiation on helium gas pressure. 371537
Hayden, J.A.
Measuring plutonium concentrations in respirable dust. 364874
Hayden, O.
Heat exchangers. (UK patent document 1495654/A/) 376568
Haydt, H.M.
Contribution to the study of compacting of UO_2 powders. (IEA – 437) 351827
Hayes, D.
Redlight for yellowcake. 357471
Hayes, D.J.
Fast reactor instrumentation development is aimed at a commercial plant. 358426
Hayes, D.W.
Aerial radiological survey of the Savannah River marine region. (DP – 1455) 367427
Tritium in the Savannah River estuary and adjacent marine waters. (DP – 1455) 367400
Hayes, E.F.
Theoretical studies of photoionization cross sections and angular distributions for the hydrogen molecule. 350604
Hayes, F.R.
Sensitivity of radiological consequences to variations in aerosol parameters. 352243
Hayes, K.
Microprocessor controlled scanning and measuring of bubble chamber film. 379880
Hayes, M.
Relaxation of neodymium in a weakly ionized expanding plasma. (UCRL – 79953) 366513
Hayes, M.A.
Accuracy of the distorted-wave approximation for excitation of hydrogen ions. 353264
Hayes, R.L.
Use of rare-earth radionuclides and other bone-seekers in the evaluation of bone lesions in patients with multiple myeloma or solitary plasmacytoma. 362777
Hayet, L.
Checking of uranium enrichment in fuel pins. 376437
Problems of dismantling, treating and analysing highly irradiated fuel elements. 360843
Haymaker, R.W.
Bound-state effective potential formulation of dynamical symmetry breaking. 364505
Haynal, G.
Canadian safeguards policies. 358595
Haynes, C.E.
Radiological safety considerations in the design and operation of the Oak Ridge National Laboratory Transuranium Research Laboratory (TRL). 360445
Haynes, J.M.
Effects of water quality alterations on fish behavior. (BNWL – 2100(Pt.2)) 362936
Haynes, J.W.
Fractionated irradiation of boll weevils during pupal development: effect of sperm depletion and transfer as measured by female responsiveness. 373527
Haynes, R.F.
New OH masers in the direction of H_2O masers. 356198
Haynie, C.B.
Safety analysis report for packaging: the ORNL in-pile capsule shipping cask. (ORNL/ENG/TM – 10) 374034
Hayns, M.R.
The free surface effect of swelling. 362528
Interpreting and predicting irradiation creep by fuel element modelling. 360089

Irradiation performance analysis of UK fast reactor fuel. 379731
The temperature dependence of irradiation creep. 360065
The transition from gas bubble to void growth. (AERE-R – 8806) 357416
Hayt, D.B.
Soft-tissue sarcoma: imaged with technetium-99m pyrophosphate. 379142
Haywood, F.F.
Management and control of radioactive waste from uranium milling operations in the United States of America. 368358
Radiation measurements and assessments. (ORNL – 5171) 367367
Haywood, J.K.
Measurement of neutron fluence in total body in vivo neutron activation analysis. 349191
Hayzen, A.J.
Cross-field current-driven ion acoustic instability in a bounded plasma with collisions. 350864
Hazak, G.
Coupling constant singularities of the nucleon-nucleon interaction. II. 369430
Two dimensional plasma simulation code. (NRCN – 438) 374526
Hazard, C.
QSO identifications from a Molonglo radio survey. 366705
Hazeltine, R.D.
Pfirsch – Schlueter friction in present tokamak plasmas. 364204
Hazi, A.U.
Velocity distribution of H(2s) resulting from the electron impact dissociation of H_2. 368646
Hazle, A.J.
What do we sample for and for how long. (HASL – 325) 378917
Heaberlin, S.W.
Consequences of postulated losses of LWR spent fuel and plutonium shipping packages at sea. (PNL – 2093) 379465
Evaluation of the consequences of LWR spent fuel and plutonium shipping package loss at sea. 350022
Heacock, H.W.
Alternative nuclear waste solidification processes. 363644
Head, C.R.
Overview of near-term magnetic confinement fusion reactor designs. 377374
Head, D.A.
Safeguarding on-power fuelled reactors – instrumentation and techniques. (AECL – 5712) 361214
Safeguarding on-power-fuelled reactors. Instrumentation and techniques. 371293
Head, M.A.
Intermediate size LWR plant study for process heat plus power: main report. Volume 2 of 3 volumes. (ORNL/Sub – 4380/2) 363425, 363426
Head, R.A.
BWR radioactive waste treatment system. Licensing topical report. (NEDO – 21059) 358188
Headley, S.C.
1^+ and 0^+ states in ^{90}Y. 369475
Heagney, J.M.
Reduction techniques for isotopic materials. (LA – 6850-C) 370667
Heagney, J.S.
Reduction techniques for isotopic materials. (LA – 6850-C) 370667
Heald, M.A.
Plasma-wave coupling and propagation using phased waveguide arrays. 348885
Heald, P.T.
Discrete lattice models of point defects. 351957
Irradiation creep due to point defect absorption at dislocations. 351892, 367330
Healey, T.
Basic studies on the cooling of LWRs by in-core sprays. 376550
Secondary recrystallisation in 20 w/o Cr-25 w/o Ni-Nb stabilised stainless steel. (CEGB-RD/B/N – 3250) 351760
Healy, J.B.
Continuous space-time symmetries of the lattice Dirac equation. 358645
Spectral degeneracy of the lattice Dirac equation as a function of lattice shape. 353057
Healy, T.V.
Fuel reprocessing solvent tributyl phosphate. Its degradation, clean-up and disposal. 358486
Influence of zirconium on the extraction of niobium from nitric acid by phosphate esters. 359614
Heames, T.J.
SAS4A LMFBR accident analysis code system: a progress report. (CONF-761001 – P3) 365548
Heard, W.B.
On the reduction of certain integrals occurring in Kopal's Fourier theory of eclipsing binaries. 372195
Heasley, J.N.
The determination of vector magnetic fields from Stokes profiles. 372115
Non – LTE line formation in the presence of magnetic fields. 359045
Heath, D.F.
Solar proton event: influence on stratospheric ozone. 372186
Heath, G.R.
Seabed disposal program: sorption and other geochemical and sedimentological studies of mid-plate, mid-gyre deep-sea sediments. (COO – 2689-7) 362573
Heaton, H.T. II
Californium-252 fission spectrum irradiation facility for neutron reaction rate measurements. (BNL-NCS – 22500) 356775
Heavens, O.S.
Ellipsometric study of F-centres in electron-bombarded KCl. 360087
Hebard, A.F.
Critical currents associated with the interaction of commensurate flux-line sublattices in a perforated Al film. 369940
Hebb, J.L.
Air surveillance aspect of Mound Laboratory's environmental control program. 349677
Hebditch, D.J.
Impurity crystallization in liquid sodium systems. (CONF-760503 – P2) 352754
Hebeda, E.H.
Sr isotopic homogenization through whole-rock systems under low-greenschist facies metamorphism in carboniferous pyroclastics at Aljustrel (Southern Portugal). 373417
Hebel, W.
Recalibration of high temperature thermocouples exposed to neutron flux. (EUR – 5648) 361095
Hebert, C.J.D.
An estimate of the 'slow bodies' emitted in p-nucleus interactions at 200 and 300 GeV. 356687
Hebert, D.
Experimental techniques and methods of hydrogeological interpretation used for measurements of natural tritium, ^{14}C and ^{32}Si at the Bergakademie Freiberg, GDR. 365304
Some results of T- and ^{14}C-investigations of groundwater in the German Democratic Republic. 373441
Hebert, J.
An estimate of the 'slow bodies' emitted in p-nucleus interactions at 200 and 300 GeV. 356687
Inelastic interactions of pions with the complex nuclei of emulsions. 364570
Hebestreit, H.P.
Scintigraphic diagnosis of a primary liver cell carcinoma using a new radiopharmaceutical. 376184
sup(99m) technetium-zirconium complex, method of production, and uses in nuclear medicine. (German (F.R.) patent document 2428702/A/) 375637
Hebral, B.
Nuclear-induced resistivity drop in the Kondo alloy Au-^{171}Yb. 354518
Hebrard, L.D.
Special radiation protection problems connected with the handling of plutonium-238. 360446
Hecht, G.
Experience with occupational radiation exposure in PWRs built by Kraftwerk Union. 367826
Hecht, K.T.
Sp(6,R) symmetry and α-breaking amplitudes of giant E2 excitations in light nuclei. 377894
Hecht, M.J.
Self-consistent normal fluid equation-of-state for (U,Pu)N. 352237
Hecht, P.
sup(133m)Xe for labelling gaseous phases in technical tracer experiments. 373984
Hechtfischer, D.
Field attenuation as underlying principle for cryo current comparators. 360724
Magnetic shielding by superconducting simple and coaxial cylinders: a comparison. 349990
Heck, F.M.
EPR ohmic heating energy storage. (WFPS-TME – 064) 377422
TFTR generator load assessment. (WFPS-TME – 019) 368957
Heck, L.L.
Confirmation of brain death at bedside by isotope angiography. 357638
Improved myocardial infarct localization by combination of scintigraphy and ventricular wall motion evaluation. 362795
Heck, M.
Fuel rod development. (KFK – 1277/2) 371039
Hecker, O.
Use of free air and cavity ionization chambers for determining the exposition unit for ^{60}Co and ^{137}Cs gamma radiation. 349936
Hecker, R.
Cesium release data for Biso-coated particles. 365951
Recent working results of the programme 'diffusion data and fission product release'. (Juel – 1421) 355413
Tritium production in a controlled thermonuclear reactor blanket model with a graphite reflector. 350865
Hecker, S.S.
Fracture behavior of a Pt-30%Rh-8%W alloy between room temperature and 1300°C. 354553
Heckers, H.
The influence of different diets on free thyroid hormones levels. (INIS-mf – 4010) 370466
Hecking, P.
Pairing energy of liquid ^4He. 353742
Pseudoscalar and pseudovector coupling of a pion to a bound Dirac nucleon. 377895
Heckingbotton, R.
n-type doping of gallium arsenide by ion implantation – the influence of implantation-induced damage and stoichiometry variations. 374655
Heckman, H.H.
Non-peripheral collisions of heavy ions in nuclear emulsion. (LBL – 6562) 356780
Nuclear science annual report, 1975. (LBL – 5075) 356891, 356914
Heckman, R.C.
Fire protection device for LMFBR spent fuel shipping casks.

(SAND – 77-0723) 360694
Hecq, A.
Catalytic activity of sputtered platinum oxide films. 368763
Hecq, M.
Catalytic activity of sputtered platinum oxide films. 368763
Hedde, J.P.
Functional scintigraphy of left ventricle contractions. (INIS-mf – 4010) 367690
Regional myocardial perfusion and contractability in ischaemic regions. (INIS-mf – 4010) 362818
Thyroidal regulation during prolonged lithium medication. (INIS-mf – 4010) 370472
Hedden, O.F.
Recent developments in ASME code rules for ultrasonic examination of welds in nuclear power plant components. 365778
Heddleson, F.A.
Design data and safety features of commercial nuclear power plants including cumulative index for Volumes I – VI. (ORNL/NUREG/NSIC – 136) 357780
Structural integrity of materials in nuclear service: a bibliography. (ORNL/NUREG/NSIC – 140) 352755
Hedegaard, P.
Experimental investigation of 2s-vacancy production in 0.3-300-keV N^0/Ne^+-Ne collisions. 376960
Hedeskov, C.J.
Simultaneous determination of the content of serotonin, dopamine, noradrenaline and adrenaline in pancreatic islets isolated from fed and starved mice. 354292
Hedewy, S.
EPR of non-axial Cr^{3+} complexes in $LaAlO_3$ monocrystal. 377241
Hedges, R.
New directions in carbon-14 dating. 375986
Hedin, A.E.
Observations of neutral composition and related ionospheric variations during a magnetic storm in February 1974. 360193
Hedrick, C.L.
Design features of the ELMO Bumpy Torus Reactor (EBTR). (CONF-771109 – 65) 377560
Macroscopic stability and β limits in the ELMO Bumpy Torus. (ORNL/TM – 5967) 377498
Plasma simulation and modeling for ELMO bumpy torus reactor. (ORNL/TM – 6019) 364258
A simple neoclassical point model for transport and scaling in EBT. 348923
Hedrick, D.
Galactic infall and cosmic ray acceleration. 351022
Hedrick, R.A.
ORINC: a one-dimensional implicit approach to the inverse heat conduction problem. (ORNL/NUREG – 23) 373851
ORTAP: a nuclear steam supply system simulation for the dynamic analysis of high temperature gas cooled reactor transients. (ORNL/NUREG/TM – 78) 365911
ORTAP: a simulator of high temperature gas-cooled reactor nuclear steam supply system dynamics. (CONF-770728 – 1) 352676
PWR blowdown heat transfer separate-effects program data evaluation report: system response for thermal-hydraulic test facility test series 100. (ORNL/NUREG – 19) 373825
PWR blowdown heat transfer separate-effects program: Thermal-Hydraulic Test Facility experimental data report for test 100. (ORNL/NUREG/TM – 114) 352304, 363042
Simulation of the response of the Fort St. Vrain high temperature gas cooled reactor system to a postulated rod withdrawal accident. (CONF-770708 – 1) 373798
Heeger, A.J.
Anisotropic Meissner effect in the linear-chain mercury compound Hg/sub 2.86/AsF_6. 360052
Heeger, H.
Scintigraphy of acute myocardial infarction. (INIS-mf – 4010) 362821
Heek, K.H. van
Progress in the design of a technical-scale gas generator for steam gasification of coal using nuclear heat. 379679
Heeks, J.S.
Manufacture of solid state devices. (UK patent document 1486152/A/) 364029
Heenen, P.-H.
Microscopic R-matrix theory in a generator coordinate basis. III. 361956
Heer, F.J. de
Dissociative excitation of H_2 and D_2 by electrons. 358786
Electron capture into excited projectile states in collisions of 100 keV Nesup(z+) (z = 1,2,3,4) with He, H_2 and Ar. 348743
Emission cross sections of Balmer-α, β, γ radiation for electrons (0-2000 eV) on H_2 and D_2. 355903
Photon emission by impact of Nesup(z+) (z=1, 2, 3, 4) on He (20-1000 keV). 358855
Projectile charge as a parameter in ion-atom collisions. (INIS-mf – 4267) 377033
Total cross sections for electron scattering. 353195
Heer, H.
Crystal-field splitting and relaxation effects in CeAs. 378637
Heer, W.
Effect of steam entry in a GCFR core. (CONF-761001 – P2) 362979
Neptunium recycling in gas-cooled fast breeders to improve the reactivity coefficient in case of steam ingress into the core. 370997
Heer, W.F.
Process and equipment for pressure build-up in nuclear reactor fuel rods. (German (F.R.) patent document 2162697/C/) 355330
Hees, A.G.M. van
Shell-model calculations on nuclei around A = 56. (INIS-mf – 4267) 377881
Heffer, P.J.H.
The geometry system of the three-dimensional Monte Carlo particle transport code SPARTAN. (CEGB-RD/B/N – 3179) 352435
Heffner, J.D.
Savannah River Laboratory Hydrogeochemical and Stream Sediment Reconnaissance. Preliminary raw data release: Spartanburg 1° x 2° NTMS area, North Carolina and South Carolina. National Uranium Resource Evaluation Program. (DPST – 77-146-2) 378856
Heffner, R.H.
Measurement of the depolarization rate of positive muons in copper and aluminium. 358874
A novel zero time detector for heavy ion spectroscopy. 379865
Hefka, R.
Annual report 1975. (GSF-R – 132) 349668
Hefner, A.
Experience with an automatic TLD system for personnel monitoring. (SGAE – 2534) 373804
Heft, R.E.
Absolute instrumental neutron activation analysis at Lawrence Livermore Laboratory. (UCRL – 80476) 378117
NADAC and MERGE: computer codes for processing neutron activation analysis data. (UCRL – 52249) 362126
Hefter, E.F.
Direct and multistep processes in inelastic proton scattering. (Juel – 1395) 356604
The non-linear Schroedinger equation and anomalous backward scattering. 369418
Heger, H.
Checks on fissile materials from the point of view of the IAEA. 358583
Hegerberg, R.
Measurement of the symmetric charge-exchange cross section in helium and argon in the impact energy range 1-10 keV. 368647
Heggie, D.
Operational experience with SLAC's beam containment electronics. 363195
Heggie, D.C.
The dynamics of cluster binaries. 364334
Heggie, J.C.P.
Lifetimes of excited states in ^{50}V. 372776
A precise determination of the $^{12}C(p,\gamma)^{13}N$ reaction Q-value. 366980
Properties of the lowest T = 2 state in ^{24}Mg. 356781
Hegland, P.M.
Proton – proton scattering from 6 to 14 MeV (lab). 361887
Hegyi, D.J.
Upper mass limit for neutron stars including differential rotation. 364335
Hehemann, R.F.
Transformations in uranium base. 373162
Hehl, F.W.
Hadron dilation, shear and spin as components of the intrinsic hypermomentum current and metric-affine theory of gravitation. 361276
Hypermomentum and the microscopic violation of the Riemannian constraint in general relativity. 353088
On gravitation in microphysics. 355770
Hehl, K.
Calculation of the cross section for elastic scattering of ions on atoms. (INIS-mf – 3996) 363891
Evidence of various defect types from dechanneling measurements. (INIS-mf – 3996) 364019
Theoretical description of dechanneling in imperfect crystals. (INIS-mf – 3996) 364010
Hehn, G.
Study of the local variation of RBE and OER for neutron therapy. 378973
Hehre, W.J.
Hyperconjugation and the angular dependence of BETA-deuterium isotope effects. 362217
Hei, D.J. Jr.
Study of the heat flux reversal region upstream from the earth's bow shock, using data from the OGO 5 electron spectrometer. 373458
Heibel, R.
Specific anomaly at the α-α' phase transition in NbHsub(0.3). 378638
Heiberger, J.J.
Experiments on pressure-driven fuel compaction with reactor materials. (CONF-761001 – P4) 362948
Interactions of refractories and reactor materials with sodium. 368204
Heide, J.A. van der
Applied research with the Eindhoven A.V.F. cyclotron. (INIS-mf – 4267) 378152
Heideman, H.G.M.
Post-collision interactions after collisions between electrons and atoms. 350627
Heidemann, A.
Diffuse neutron scattering from an ω-phase ZrNb alloy. 359346
On the detection of nuclear spin waves by inelastic neutron scattering. 353504
Heidemann, K.F.
High-energy ion-beam-induced luminescence of silicon. 370164

Heiden, C.
Correlation studies on flux flow noise of polycrystalline niobium and vanadium foils. 351761
Direct observation of flux creep in minor hysteresis loops of type-II superconductors. 356369
Heidendael, M.
Cryogenic separation of krypton and xenon from dissolver off-gas. 358471
Heidenreich, P.
Comparison of different methods for measurement of tubular clearance; PAH steady state method, whole-body measurements and compartment analysis of gamma camera mode renograms. (INIS-mf – 4010) 362803
Diagnostic value of renal clearance techniques using iodo-hippuran ^{131}I and sup(99m)Tc-DTPA. 352048
Double-radioisotope renal clearance measurement with a partially shielded whole-body counter for the determination of renal filtration fraction; methods and clinical results. (INIS-mf – 4010) 362731
A new method for the determination of renal clearance and estimated errors, using gamma camera measurements. (INIS-mf – 4010) 362828
Heider, S.M.
Hyperfine structure of ^{87}Sr. 350628
Heifets, E.P.
The energy-momentum spectrum in the P(phi)$_2$ quantum field theory. 366272
The energy-momentum spectrum in the Yukawa$_2$ quantum field theory. 374564
Heighway, E.A.
Magnetic beam deflector system. 357963
Movable steel trim rods and the orbit dynamics of the Chalk River superconducting heavy ion cyclotron. 363250
Status of the Chalk River superconducting heavy-ion cyclotron. 363309
Heijboer, R.J.
Adjusted neutron spectra of STEK cores for reactivity calculations. (ECN – 35) 376407
Integral determination of fission product neutron capture cross sections for application in fast reactors. (ECN – 27) 358035
Heijne, H.M.
Defects introduced in silicon by irradiation with muons of GeV energy. 370200
Heijns, A. duP.
Uranyl-labelled antibody (ULA) method and its application for Rh antibodies. 365497
Heil, J.
International safeguards in large-scale nuclear facilities. 371284
Heil, V.
Isospin forbidden electroexcitation of the 1^-, T = 0 state at 6.95 MeV in ^{40}Ca, continuum shell-model and effective charge of the convection current. 369483
Heiland, W.
The backscattering of low energy ions and surface structure. 361448
Low energy ion-surface scattering – physics and applications. 368884
Photon emission from rare gas ion bombardment of metal surfaces. 353433
Heiles, C.
Structure of the interstellar medium. 377616
Heiligenthal, G.
Ionization, X-rays and positron production in Pb-Pb and U-U collisions. 353192, 376973
Heilmann, H.G.
Investigation of diffraction dissociation in single pion production reactions in nucleon-nucleon collisions at 12 GeV/c. (BONN-HE – 75-1) 366881
Heilmann, I.U.
Electron hopping and temperature dependent oxidation states of iron in ilvaite studied by Moessbauer effect. (INIS-mf – 4029) 364030, 364031
Heim, H.
The experimental development and performance test of the pneumatic control-rod drive for the THTR. 379587
Heim, M.
Dual isotope scintiscanning (iodine and selenomethionine). Detection of thyroid cancer in aged patients. 354960
Heiman, N.
Effects of substrate bias and annealing on the properties of amorphous alloy films of Gd-Co, Gd-Fe, and Gd-Co-X (X = Mo,Cu,Au). 378639
Heimann, R.L.
Meson electroproduction in deep inelastic scattering and spin effects. 375030
Heimerl, W.
Solidification of high-level liquid wastes to phosphate glass-metal matrix blocks. 358482
Usable method for the management of high-level waste from nuclear fuel reprocessing. 352850, 357196
Heimgartner, E.
Nuclear power stations as a safety problem. 379214
Heimlich, F.H.
Comparison of inelastic electron and positron scattering cross sections on ^{12}C and ^{27}Al. (DESY – 77/40) 364781
Shadowing effect in inelastic electron scattering on ^{12}C and ^{27}Al nuclei at small four momentum transfer. (DESY – 77/55) 364782
Validity of the one-photon exchange approximation in inelastic scattering of electrons and positrons on protons. 366889
Hein, K.
Application of tracer techniques to the determination of zinc distribution in $ZnSiP_2$ growing in the gaseous phase. 349967
Heindorff, T.
Electron resonance scattering at mercury. 353336
Heine, G.
Dissipation of energy deposited by fast ions passing through carbon foils. (INIS-mf – 3996) 364619
Energy-straggling of H and He ions in thin solids. (INIS-mf – 3996) 364625
Lifetime measurements on atomic states of He I. 348655
Heine, H.G.
Polyester moulding – and coating materials to be hardened by UV-irradiation. 354441
UV-hardening polyfunctional acrylic acid ester of high dark storage stability. (German (F.R.) patent document 2430081/A/) 375710
Heine, K.
Cesium and rubidium metabolism of cows. 375279
Heinecke, E.
Model tests on fluid-elastic vibrations in heat exchangers with tubes in cross-flow. 379551
Heinecke, J.
Core design of sodium-cooled fast breeders (SNR) with regard to strategic design targets. 370803
Experimental evidence of the effect of peripheral obstructions on the temperature from factor of a spiral wire bundle. 371016
The layout of the KNK-II reactor core. 376570
Heineman, J.B.
Transient undercooling analysis of the dispersal mechanism test. (CONF-761001 – P4) 362983
Heinemeier, J.
Production of 10-80 keV negative heavy ions by charge exchange in Na vapour. 379501
Production of 15-90 keV negative heavy ions by charge exchange with Mg vapour. 373926
Heinen, D.
Solvent performance in THTR nuclear fuel reprocessing. I. Calculation of doses received by TBP-n-paraffin extractant in reprocessing THTR fuels applying a Thorex flowsheet. 362320
Solvent performance in THTR nuclear fuel reprocessing. II. On the formation of dibutyl phosphoric acid by radiolytic and hydrolytic degradation of the TBP-n-paraffin extractant. 362321
Heinicke, G.
Isotope fractionation of carbon during tribochemical reactions. 372977
Heinig, K.-H.
Evidence for the non-Lorentzian shape of x-ray spectra. 368648
Heiniger, H.J.
Distribution of trace element organs of mice of different inbred strains. 369571
Heinonen, J.U.
Incorporation of radioactive wastes from nuclear power plants into concrete and bitumen. 358498
Heinonen, O.
A university hot laboratory for teaching and research. 360657
Heinrich, B.
The influence of accidents with water ingress on the behaviour of THTR-300 fuel elements. 370971
Heinrich, C.
Effects due to Coulomb interaction in the sequential decay reaction ^{2}H(α, pα)n. 351271
Quasi-free contributions in the ^{6}Li(d,tp)^{4}He-reaction at Esub(d) = 0.465 MeV. 356867
Heinrich, G.
E.P.R. in Gsub(x)Cesub(y)Lasub(1-x-y)Be_{13} and Gdsub(x)Cesub(1-x)Be_{13} intermetallics with high electron lattice relaxation. 350736
Heinrich, J.
Influence of the initial grain size of silicon on microstructure and mechanical properties of reaction-sintered silicon nitride. (AED-Conf – 77-314-002) 375927
Heinrich, J.P.
Integrated composite conductor for the LCS program. (CONF-771029 – 105) 374017
Heinrich, L.A.
Safeguards planning in a plant design process. (DP-MS – 77-55) 374497
Safetguards planning in a plant design process. 380123
Heinrich, R.R.
^{235}U thermal neutron fission yields relative to NBS fission measurements Test 74-3. (HEDL-TME – 75-130) 351403
Chemical Engineering Division fast-neutron dosimetry annual report, July 1975 – June 1976. (ANL – 76-104) 361556
Dosimetry needs for the Magnetic Fusion Materials Program. (CONF-771036 – 6) 377423
Fission rates in BIG-10 Test C-ANL(74-16) based on K-yield factors. (HEDL-TME – 75-130) 351406
Fission-product reaction rates from BIG-10 Test C-ANL(74-16). (HEDL-TME – 75-130) 351405
Fission-product reaction rates from CFRMF Tests ANL 74-7A and 74-7B. (HEDL-TME – 75-130) 351404
Reaction rates for nonfission foils irradiated in BIG-10 Test E-ANL(74-23). (HEDL-TME – 75-130) 351402
Recalibration of Ge(Li) detector efficiency. (HEDL-TME – 75-130) 352347
Heinrich, S.
Crystal structure of Ptsub(1+)In. 378640
Heinrich, W.
Calculation of LET-spectra of heavy cosmic ray nuclei at various absorber depths. 360537

Heintz, P.H.
Dosimetry measurements of 26, 35 and 45 MeV p-Be and p-Li neutron beams. 376228
Heintze, J.
Measurement of the $(K^+ \rightarrow \pi^0 \mu^+ \gamma)/(K^+ \rightarrow \pi^0 e^+ \gamma)$ branching ratio. 356509
Heintze, V.
Study on density distribution and diffusion of deuterons in mono- and polycrystalline Ni absorbers using the nuclear reaction method. (INIS-mf – 4050) 355993
Heinz, B.
Ion plating with electron beam evaporation. 377200
Heinz, R.M.
Technical progress report of the Indiana University High Energy Physics Group, December 1, 1976 – November 30, 1977. (COO – 2009-132) 364565
Heinz, W.
Large superconducting magnet systems for plasma and fusion applications. 358952
Heinze, K.
External drag body as flow meter according to the principle of Karman's vortex path. (German (F.R.) patent document 2259171/B/) 376705
Heinzel, F.
Analysis of animal experiments of radiation dependent tumor regression in relation to different parameters. (LA-tr – 77-73A) 379019
Heinzel, V.
Considerations on a PAHR test facility. (CONF-761001 – P1) 362870
Heinzelmann, G.
Measurement of the $(K^+ \rightarrow \pi^0 \mu^+ \gamma)/(K^+ \rightarrow \pi^0 e^+ \gamma)$ branching ratio. 356509
Heinzelmann, M.
An energy-independent albedo-dosimeter for neutrons. 361034
Heinzmann, U.
Investigations on biodegradation of human albumin microspheres. (INIS-mf – 4010) 362722
Heiple, C.R.
Acoustic emission from beryllium. (RFP – 2504) 373203
Crystallographic orientation of columnar grains in cast beryllium. 378641
Heisch, W.
Sensitivity of power generation costs in nuclear power plants and coal-fired power plants. 371232
Heise, J.
ANS results on x-ray binaries. (CONF-7510169 –) 364336
Measurements of A0620-00 with ANS. (CONF-7510169 –) 364290
Observations of Cygnus X-3 by ANS. (CONF-7510169 –) 364289
Heise, K.H.
Production of pure pyrimidin derivative labelled with tritium. 1. 373025
Heiser, C.
Nuclear spectroscopy with lithium ions. (ZfK – 323) 354203
Some states in ^{175}Lu and ^{176}Lu excited in reactions with deuterons. (ZfK – 336) 364743
Heiser, M.R.
Description of PFN logging probe. (SAND – 77-0300) 365270
Heisig, U.
Comparison between electron beam evaporation and high-rate sputtering with the plasmatron. 377283
Heiss, W.-D.
Scintigraphy in demyelinising diseases of the brain. (INIS-mf – 4010) 357702
Heiss, W.D.
Collective states and crossing symmetry. (INIS-mf – 4148) 366273
Negative-parity spectra for mass-18 nuclei in the dynamic-interaction propagator approach. 356605
Heitefuss, R.
Evaluation of resistance and tolerance in wheat against Puccinia striiformis and in barley against Erysiphe graminis. 373746
Heitig, K.
Optical isotope shift measurements of ^{40} ^{42} ^{43} ^{44} ^{48}Ca by use of enriched isotopes in an atomic beam. 366325
Heitmann, H.G.
Determining the distribution coefficients of volatile alkalising agents between steam and water and their effects on the corrosion behaviour of materials in the water-steam cycle of power plants. 378248
Heitz, Ch.
Characteristic and quasimolecular X-rays from collision systems with $Z_1+Z_2=133$, 134 under single and multiple collision conditions. 353292
Heitzer, H.
Energy supply and nuclear energy. 352900
Hejazi, M.
Heat transfer and stress problems associated with ICTR walls. 348867
Hejlik, V.
Equipment for broken ore transport from stopes, mainly for radioactive ore transport. (Czechoslovak patent document 158487/B/) 370260
Hekkala, B.
Radioactive airborne effluent measurement and monitoring survey of reprocessing and waste treatment facilities. (COO – 3049-9) 378920
Hekking, F.J.
Steam plant surface condenser leakage study. Final report: Volume I. (EPRI-NP – 481(Vol.1)) 358059
Steam plant surface condenser leakage study: appendices. Final report: Volume II. (EPRI-NP – 481(Vol.2.)) 358060
Helander, L.I.
Nuclear power plant safety. The merits of separation. 370565
Helava, H.I.
High-density discharges in the Alcator tokamak. 368947
Helbig, D.
Valves for the sodium-cooled fast breeder KKW Kalkar (SNR 300). 376591
Helbig, W.
Multi-detector systems for coincidence measurement of positron emitters. 374324
Nondestructive determination of copper in silicon by means of coincidence measurements. 372869
Held, C.
Energy analysis of nuclear power plants and their fuel cycle. 366136
Geological ultimate storage site for radioactive waste in Austria. 371204
Viewpoint of utilities regarding fuel management of nuclear power plants. 366228
Held, J.L.
Rotating target neutron generators. 355173
Held, M.
The TNT safety characteristic method to assess the shock-wave effects of failed containers. 370822
Held, S.
Spectrochemical analysis of rock samples. (IA – 1338) 364845
Spectrochemical determination of Sn in animal tissues. (IA – 1338) 364846
Helenberg, H.W.
Effect of high external thermal loading on LMFBR subassembly integrity. (CONF-770807 – 38) 365606
Helf, H.
Pressurized-water reactor. (German (F.R.) patent document 2430725/A/) 365897, 368159
Helfand, D.J.
Pulsar velocity observations: Correlations, interpretations, and discussion. 359095
Helfer, H.L.
The effects of scattering of quiet Sun emission at frequencies less than 200 MHz. 353700
Helgeland, K.
pH and the effect of fluoride and zinc on protein and collagen biosynthesis in rabbit dental pulp in vitro. 367576
Helix, M.J.
Electrical profiling and optical activation studies of Be-implanted GaAs. 351898
Helland, J.A.
Computer system for radiation therapy with negative pions. (LA-UR – 77-2053) 365404
Dosimetry of pion therapy beams. 352351
Hellems, H.K.
Pharmacologically induced heterogeneous myocardial blood flow detected with rapid rescanning. 354948
Heller, A.
Heat utilization of future reactor systems. 368420
Integral fuel and waste management schemes for the implementation of nuclear power. 352920
Heller, A.S.
Response surface methodology applied to thermal-hydraulic margin analysis. 352238
Heller, J.M. Jr.
Isotopic effects on the electronic properties of H_2O and D_2O in the vacuum uv. 351493
Heller, L.
Neutron-proton bremsstrahlung: One-pion-exchange current. 351269
Heller, P.
Low-temperature spin-wave dynamics in three-component classical Heisenberg chains. 366423
Heller, R.A.
Fort St. Vrain core performance. (GA-A – 14527) 358258, 358259
Helliwell, R.A.
Longitudinal variations of very-low-frequency chorus activity in the magnetosphere: evidence of excitation by electrical power transmission lines. 351975
Spacecraft observations of man-made whistler-mode signals near the electron gyrofrequency. 367423
Hellman, B.
Calcium and pancreatic β-cell function. 379096
Hellman, S.
Late effects of x-irradiation on the ability of mouse bone marrow to support hematopoiesis. 367507
Stem cell depletion: an explanation of the late effects of cytotoxins. 367452
Hellsten, T.
On the balance and separation processes in rotating plasmas. 354333
Probe measurements in a shearless high-beta plasma surrounded by a gas blanket. (INIS-mf – 3963) 371821
Hellstroem, V.
Studies on the placental transfer in rats of ^{59}Fe- and ^{14}C-labelled iron-poly(sorbitol-gluconic acid) complex. 367586
Helm, F.
Recent improvements in the prediction of reactivity coefficients relevant to LMFBR accident analysis. (CONF-761001 – P2) 362920
Helm, H.
The cross section for symmetric charge exchange of He^+ in He at energies between 0.3 and 8 eV. 366338

Helm, P.
A hollow-cathode ion source for drift tubes. 370680
Helman, J.S.
Xerographic discharge of orthorhombic sulfur single crystals. (INIS-mf – 4127) 364006
Helmer, R.G.
Absolute γ-ray branching and half-life of ^{250}Bk. (BNL-NCS – 22500) 356768
Absolute gamma-ray intensities in decay of ^{239}Np. (HEDL-TME – 75-130) 351357
E1 and E2 strength in ^{15}N(p vector, γ_0)^{16}O. (RLO/1388 – 362) 372692
Fission product reaction rates for ^{235}U in NBS thermal facility. (HEDL-TME – 75-130) 351368
Fission product reaction rates for CFRMF irradiation of ^{235}U, ^{238}U, ^{239}Pu, and ^{237}Np. (HEDL-TME – 75-130) 351369
K conversion coeffients of γ-rays above 800 keV from ^{182}Ta decay. (BNL-NCS – 22500) 356782
Precise relative γ-ray intensities for calibration of Ge semiconductor detectors. 368292
Production rates for fission products for irradiation of ^{235}U, ^{238}U, ^{239}Pu, ^{237}Np in BIG-10. (HEDL-TME – 75-130) 351370
Reaction rates for BIG-10 irradiation of nonfission foil packet. (HEDL-TME – 75-130) 351367
Reports to the ERDA Nuclear Data Committee. (BNL-NCS – 22500) 356685
Some comments on measurements of reaction rates by γ-ray spectrometry. (HEDL-TME – 75-130) 351366
Helmer, R.L.
Radiative proton capture by carbon-12. (RLO/1388 – 362) 372721
Helmik, H.H.
Spectral indices for BIG-10: spectrum-averaged fission cross section ratios for ^{235}U, ^{238}U, ^{239}Pu, ^{237}Np. (HEDL-TME – 75-130) 351353
Helminger, P.A.
Millimeterwave spectroscopy of active laser plasmas; the excited vibrational states of HCN. 366523
Helmke, P.A.
Exchange of lyotropic series cations by micaceous vermiculite and its weathering products determined by electron microscopy and radiochemical analysis. Progress report, August 1, 1974 – October 31, 1977. (COO – 1515-79) 365023
Helms, H.A. Jr.
Endor study of x-ray irradiated single crystals of two simple pepitides. 369787
Helpap, B.
Cell-kinetical analyses of squamous cell carcinomas of the oral region and the effect of a combined therapy of 5 fluorouracil and irradiation. 370383
Helppi, H.
High-spin level structure of ^{188}Pt. (ZfK – 336) 364758
Helten, H.J.
Effects due to Coulomb interaction in the sequential decay reaction ^{2}H(α, pα)n. 351271
Quasi-free contributions in the ^{6}Li(d,tp)^{4}He-reaction at Esub(d) = 0.465 MeV. 356867
Helton, F.J.
Studies of doublet plasmas in Doublet IIA. 358942
Hemachalam, K.
Filamentary niobium – tin superconductors fabricated by a powder metallurgy approach. 373144
Hembree, W.C.
Sterochemical consequences of hydrogen exchange as a result of tritium atom reactions on solid aliphatic amino acids. 362176
Hemdal, B.
Methods for external low-activity measurement of man. (LUNDD-MERI – 1003) 355035
Hemingway, R.J.
A study of inclusive Ξ^- production from K$^-$p interactions at 4.2 GeV/c. 353964
Hemkar, M.P.
Crystal equilibrium and lattice dynamics of chromium and vanadium. 370030
Debye-Waller factors of BCC transition metals. 371659
Dynamical study of vanadium on a modified CGW model. 371627
Hemmelskamp, S.
Intra-articular ^{90}Y-therapy of experimental arthritis in rabbits. (INIS-mf – 4010) 370400
Intra-articular ^{90}Y-therapy of polyarthritis. (INIS-mf – 4010) 370417
Hemmendinger
Tritium production from ^{6}Li(n,α) and ^{7}Li(n,n'α) reactions. (BNL-NCS – 22500) 356863
Hemment, P.L.F.
Absolute dosimetry of ion implanted impurities using a calorimetric method. 358878
Hemming, F.W.
The incorporation of [^{14}C] glucosamine into dolichol diphosphate N-acetyl [^{14}C] glucosamine by unbroken liver cells in culture. 354924
Hempelmann, L.H.
Breast neoplasms in women treated with x-rays for acute postpartum mastitis. 362708
Hempelmann, W.
Plant for decanting strongly radioactive resins in waste containers. (German (F.R.) patent document 2526424/A/) 352402
Hemphill, R.N.
Long term performance of charcoal absorbers removing radioiodine in ventilation exhaust air. Final report. (EPRI-NP – 534) 379558
Hemsworth, M.S.
Electron and ion heating by neutral injection in DITE tokamak. (INIS-mf – 3963) 353553
Henderson, B.
Defects in the alkaline earth oxides with applications to radiation damage and catalysis. 360090
Henderson, D.B.
Laser-target retropulse isolation using an aperture in vacuum. 358915
Symmetry of laser-driven implosions. 371885
Henderson, J.R.
Theory of surface excitations of liquid helium four. 364445
Henderson, N.E.
Annual variations in the circulating levels of thyroid hormones in the brook trout, Salvelinus fontinalis, as measured by radioimmunoassay. 357715
Henderson, R.F.
Lung lecithin synthesis in Syrian hamster lung: effect of pulmonary lavage. (LF – 56) 362844
Henderson, R.W.
The influence of structural changes on biodistribution of sup(99m)Tc labeled N-substituted IDA derivatives. (INIS-mf – 4010) 378493
Integrated minicomputer alpha analysis system. (LA-UR – 77-2968) 378946
A new solid phase reduction system using insoluble stannous salts for the preparation of sup(99m)Tc labeled radiopharmaceuticals. (INIS-mf – 4010) 357116
Henderson, T.R.
Fly ash solubility studies. (LF – 56) 365553
Hendl, G.
Construction work on the site. 376569
Hendrich, W.R.
Structural analysis of the large coil segment test. (CONF-771029 – 62) 371774
Hendrick, P.L.
Transient ion-simulated irradiation-induced creep of nickel. 360110
Hendrick, R.E.
Baryon spectrum in a linear string model. 359240
Calculation of the baryon spectrum with a linear Hamiltonian. 359241
Hendricks, M.B.
Neutrino-induced muons deep underground. 364581
Hendricks, P.L.
FIND: General Atomic Standard Safety Analysis Report (GASSAR-6). (FIND-STN – 50535) 380098
Hendricks, R.W.
Studies of voids in neutron-irradiated aluminium single crystals. 357417
Hendrickx, A.G.
Fractionated x-radiation damage to developing ovaries in the Bonnet Monkey (Macaca radiata). 365378
Hendrie, D.L.
Influence of intrinsic nucleon motion on energy spectra and angular distributions for ^{16}O-induced reactions at 20 MeV/A. 356769
Particle-particle angular correlations in peripheral heavy-ion reactions. 362065
Hendrie, J.M.
How NRC is working for a more up-to-date licensing process. 361180
Hendrikson, I.-B.
Lack of effect on the chromosomal non-disjunction in aged female mice after low dose x-irradiation. 373547
Hendry, A.W.
Theoretical particle physics. Progress report, December 1, 1976 – November 30, 1977. (COO – 2009-133) 364506
Hendry, G.O.
Dosimetry measurements of 26, 35 and 45 MeV p-Be and p-Li neutron beams. 376228
Hendry, J.H.
Radionecrosis of normal tissue: studies on mouse tails. 376094
The RBE of megavoltage photon and electron beams. 379048
Henesian, M.A.
Absolute Raman frequency measurement of the Q (2) line in D_2 using cw CARS. 371491
Henglein, A.
Polarogram of the free hydrogen atom and of some simple organic radicals. 357181
Reactions of the hydrated electron with pyrene in lipid bilayer vesicles. 365076
The reactivity of pyrene derivatives in neutral micelles towards hydrated electrons. 365075
Henicksman, A.L.
Determination of nitrogen in boron carbide with the Leco UO-14 Nitrogen Determinator. (LA – 6978) 372856
Henize, K.G.
Skylab SO19 ultraviolet spectra of HD153919 (=3U1700-37) and HDE226868 (=Cyg X-1). (CONF-7510169 –) 364355
Spectral calssification with objective-prism spectra from Skylab. 369102
Henke, G.
Activation analysis of rare-earth elements in opium and cannabis samples. 375280
Henke, R.P.
Calibration of high-energy heavy-particle beams with plastic nuclear track detectors. 352814
Isotope resolution using plastic detectors. 352813
Henkel, H.
Studies on neotectonic activity in central and northern Sweden. Investigation of air-photos and interpretation of recent faults. (KBS-TR – 19) 363671

Henkelman, R.M.
Evaluation of radiocolloid sizing techniques. 352136
Physical and radiobiological properties of the negative pi-meson beam at TRIUMF. 378979
Henkelmann, R.
Determination of low dose concentration profiles in solids by means of (n, p) and (n, α) reactions. 364899
Henker, W.
The thickness measuring methods by means of radionuclides. (INIS-mf – 4015) 373947
Henkes, W.
Negative ions produced from clusters for plasma heating. (INIS-mf – 3963) 371742
Henkie, Z.
Crystal growth of uranium and thorium compounds with the elements of group V by chemical vapor transport. 367085
Preparation and semiconducting properties of Th_3As_4. 365155
Henmi, Yoshinori
Nuclear reactor container. 368100
Hennart, J.P.
Piecewise polynomial approximations for nuclear reactor point and space kinetics. 374116
Two-dimensional finite element calculational methods for plasma diffusion in low-beta devices. 364193
Henneaux, M.
Einstein-Dirac equations in suited tetrads. 353079
Henneberger, W.C.
Convergence of high-intensity stimulated bremsstrahlung approximations. 363899
Henneker, W.H.
Accurate Compton profiles for H_2 and D_2 including the effects of electron correlation and molecular vibration and rotation. 366372
Henneman, G.
In vitro and in vivo evaluation of thyroid function in nuclear medicine. (INIS-mf – 4010) 370473
Hennemann, G.
A new radioimmunoassay of thyrotropin-releasing hormone. 362837
Hennequin, J.F.
Experimental study on the acceptance of a quadrupole mass filter. 379976
Hennies, H.H.
LMFBR: further development needs. 352756
Nuclear safety in reprocessing plants. (AED-Conf – 76-699-007) 365555
The role of reactor safety research at the GfK. 365556
Hennig, H.P.
Isotope fractionation of carbon during tribochemical reactions. 372977
Henning, C.D.
Superconducting magnet development for tokamaks and mirrors: a technical assessment. (DOE/ET – 0016) 377466
Henning, W.
$^{16}O + {}^{40}Ca$ inelastic scattering and the elastic scattering wave function. (CONF-771059 – 5) 378051
Elastic scattering of identical ions: $^{32}S + {}^{32}S$ and $^{40}Ca + {}^{40}Ca$. (CONF-771059 – 4) 378005
Fusion cross section behavior for light systems. (CONF-770968 – 7) 372784
Fusion of $^{16}O + {}^{40}Ca$. (ANL – 77-60) 377995
Inelastic scattering of ^{16}O on even-Ca isotopes. (CONF-770968 – 6) 372808, 378050
Systematics of O + Mg fusion. (ANL – 77-60) 378066
Henninger, R.J.
Hydrodynamic model for treating transient freezing in pin bundles. (CONF-761001 – P4) 362942
Henningsen, P.
Calculation of fission product decay heat. (RISO-M – 1975) 368003
Henningson, P.J.
TACO: fuel pin performance analysis. (BAW – 10087A(Rev.1)) 373869
Hennion, B.
Spin waves in HoZn. 378642
Henri, V.P.
Inclusive V^0 production in anti pp interactions at 12 GeV/c. 353939
Henrich, E.
Chemistry of nuclear waste disposal. 354474, 357197
Optimization of the low-temperature rectification technique for Kr 85 separation from the waste gas of reprocessing plants. 369827
Henrich, G.
Economic aspects of power generation in HTR reactors. 371228
Henrichs, C.
Charge distributions of sulfur ions at energies between 70 and 140 MeV. 361391
Henrichs, J.M.
Measurements of the inelastic rotational collision cross-section of CsF on several atoms and molecules. (INIS-mf – 3940) 348688
Henriksen, J.H.
Hemodynamics and extravascular lung water in chronic obstructive lung disease. 354845
Henriksen, O.
Mean transit time of ^{133}Xe in the lungs. (INIS-mf – 4010) 370440
Henriksen, R.N.
Model for bursting X-ray sources. 369103
Henrikson, H.E.
Reply to the Comment on "Dependence of the Ta K x-ray energy on the mode of excitation". 358752
Henriksson, S.
The suitability of Titanium as a corrosion resistant canister for nuclear waste. (KBS-TR – 11) 362297
Henrion, G.
Determination of niobium in the presence of molybdenum by rectangular wave polarography. 372870
Henry, A.F.
Annual progress report FY 1977. (COO – 2262-13) 363382
Two nodal methods for solving time-dependent group diffusion equations. 376418
Henry, B.
Contribution of the European Community's Joint Research Center to technology transfer. 352554
Henry, C.N.
Reduced variance multiplication meter for plutonium sample verification and assay applications. 380119
Henry, E.A.
Time for atomic and molecular data bases is now (an overview of data management research at LLL). (UCRL – 79286) 352996
Henry, J.M.
Delayed radiation necrosis of the brain. 379070
Henry, M.
Moessbauer polarimetry using fluosilicates. 371611
Henry, R.C.
Absence of iron line emission in Cgy X-3. (CONF-7510169 –) 364408
Soft x-rays from Her X-1 during the "off" phase. (CONF-7510169 –) 364322
Henry, R.E.
Analytical and experimental studies of transient fuel freezing. (CONF-761001 – P4) 362914
Bubble growth by expansion and dissolution in a variable pressure field. 352204
Cladding relocation experiments. (CONF-761001 – P4) 362947
Detection of bronchopleural-subarachnoid fistula by radionuclide myelography: case report. 373661
Experiments on pressure-driven fuel compaction with reactor materials. (CONF-761001 – P4) 362948
Fuel dispersal experiments with simulant fluids. (CONF-761001 – P4) 362918
Nonequilibrium critical discharge of saturated and subcooled liquid Freon-11. 373857
Vapor explosion experiments with simulant fluids. (CONF-761001 – P4) 362949
Vapor-explosion experiments with subcooled Freon. (ANL – 77-43) 373826
Henry, R.J.W.
Electron impact excitation of $O(^3P\text{-}3s^3S^o)$. 377034
Excitation of Be^+ by electron impact. (ORO – 4881-12) 368649
Excitation of lithiumlike ions by electron impact. 358744
Frame-transformation approximation for low-energy $e^-\text{-}^1\Sigma^+$ systems using the non-iterative integral equation method. 355929
Henry, W.H.
Corrections for humidity. 374325
Henryson, H. II
New areas for benchmark computation. 363380
Henschke, J.
Environmental studies of the earth gamma radiation background at one of the planned sites of the first Polish nuclear power station. 354658
Henschke, U.K.
Radiation from the uranium collimators of the Varian 4-MeV accelerator. 374074
Henshaw, D.L.
High resolution study of nucleonic cosmic rays with $Z >= 34$. 368290
Measurement of the cosmic ray element abundances between approximately 300 and approximately 750 MeV/N in the region from nickel to krypton using Lexan track detectors. 368291
Hensley, D.C.
Mass asymmetry and total-kinetic-energy release in the spontaneous fission of ^{262}[105]. 369464
Production, L x-ray identification, and decay of the nuclide $^{260}105$. 364745
Henssen, H.
The layout of the KNK-II reactor core. 376570
Henssen, J.
Studies on a fibre insulation in the pressure suppression test stand. (Juel – 1405) 365920
Hentrich, W.
Tests for the selection of mildew-resistant mutants in spring barley. 373715
Hentschel, D.
Decontamination of big components. (KFK – 2435) 357837
Method for the decontamination of surfaces of metallic materials. (German (F.R.) patent document 2511112/A/) 367813
Hep, J.
Data for absorbed dose calculations for external sources and for emitters within the body. (ZJE – 189) 379338
Hepp, V.
A detector for high-energy neutrino interactions. 379899
Is there a high-y anomaly in antineutrino interactions. 351222
Like-sign dimuon events produced in narrow-band neutrino and antineutrino beams. 356512
Measurement of the neutral to charged current cross section ratio in neutrino and antineutrino interactions. 361888
New information about the kaon-nucleon-hyperon coupling constants g(anti $K\Sigma(1197)$), g(anti $K\Sigma(1385)$) and g(anti $K\Lambda(1405)$). 356497
Observation of a neutrino event with four energetic muons. 372525
Observation of trimuon events produced in neutrino and antineutrino interactions. 356511

Study of inclusive neutral current interactions of neutrinos and antineutrinos. 369377
Heppner, J.P.
Observations of large transient magnetospheric electric fields. (N – 77-25711) 370287
Herak, M.J.
Extraction and complex formation of cerium(III) and praseodymium(III) with monoesters of phosphonic acids. 359681
Extraction and complex formation of thorium(IV) with 3-hydroxy-2-methyl-1-(4-tolyl)-4-pyridone. 375664
Herakovich, C.T.
Tensile and compressive test results for metal matrix composites. Interim report. (N – 77-22180) 367273
Herakovich, E.T.
Influence of temper condition on the nonlinear stress – strain behavior of boron – aluminum. Interim report, March – October 1976. (N – 77-26271) 378786
Herald, W.R.
Development of ultrafiltration and inorganic adsorbents for reducing volumes of low-level and intermediate-level liquid waste: April – June 1977. (MLM – 2464) 371191
Heranjal, D.D.
Use of radioisotopes ^{125}I in the study of serum LH levels in cycling buffaloes and its rate of release in buffaloes stimulated with Gn-RH administration. 352104
Herb, S.W.
Observation of a dimuon resonance at 9.5 GeV in 400-GeV proton-nucleus collisions. 351221
Observation of structure in the UPSILON region. 369378
Herbai, G.
Serum-gastrin increasing effect of somatostatin infusion in acromegaly. 379188
Herber, K.
Tritium determination in aqueous and organic radioactive waste solutions. 371189
Herber, R.H.
Moessbauer effect studies on 2-MeV proton irradiated Nb_3Sn. 360091
Herberhold, C.
Cell-kinetical analyses of squamous cell carcinomas of the oral region and the effect of a combined therapy of 5 fluorouracil and irradiation. 370383
Herbert, R.J.
Effective refueling outage management: a necessity for improving plant availability. 358181
Herbland, A.
The prevention of radiocarbon loss in liquid scintillation counting of solutions containing ^{14}C-$NaHCO_3$. 358425
Herbst, E.
Indirect observation of unobservable interstellar molecules. 351023
Herbst, I.
Formation of negative ions in magnetic fields. 366316
Herbst, J.F.
5s-electron excitation energies in the rare-earth metals. 359936
Herbst, L.
Conception of modern power station control rooms. 370853
Herbst, W.
Observational evidence for supernova-induced star formation: Canis Major R1. 372187
Herchenroeder, R.B.
Cast thermally stable high temperature nickel-base alloys and casting made therefrom. (US patent document 4,043,810/A/) 369848
Herczeg, J.W.
Comparison of one- and two-dimensional models of a control rod ejection accident in the HTGR. 352239
Herczeg, P.
Decay $\pi^0 \rightarrow e^+e^-$. 359262
Herczynska, E.
Titrimetric determination of oxygen-to-uranium ratios with potassium dichromate using methylene blue as redox indicator. 375281
Herdade, S.
Measurement of relative cross section for the activation of rhodium with neutrons. 354204
Herdin, R.
Experiment on the efficient polarization of ultracold neutrons. 379838
Heremans, R.
Investigations into the possibility of final disposal of radioactive wastes in an underground clay formation. 358520
Hereward, H.G.
Overlap knock-out effects on the CERN Intersecting Storage Rings (ISR). 363241
Herforth, L.
Response dependence of an albedo-neutron dosemeter on the properties of shielding. (TU-Inf – 05-36-76) 366017
Hering, S.
Safety catching device for pipes in missile shielding cylinders of nuclear power plants. (German (F.R.) patent document 2426557/C/) 355281
Hering, W.
Preparation of isotopically enriched mercury targets. (LA – 6850-C) 370742
Heritier, M.
Spin polarons in narrow, almost half-filled s band. (CBPF – A0009/77) 364032
Herk, G. van
Dynamic blood flow measurement with the ^{81}Rb/sup(81m)Kr ratio. (INIS-mf – 4010) 370441
Sending scintigrams over the telephone. (INIS-mf – 4010) 363615
Herka, M.
In-service monitoring and inspection. 352711
Herken, R.
Biochemistry of metallocenes. Pt. 2. 354878
Herkommer, E.
The course of hypothetical LWR core meltdown accidents. (AED-Conf – 76-699-006) 365554
Herlach, D.
Formation and migration energies of monovacancies in tantalum. 351776
Herm, R.R.
Crossed molecular beams kinetics: BaO recoil velocity spectra from $Ba + N_2O$. 350667
Herman, B.M.
Estimation of solar radiation absorption by volcanic stratospheric aerosols from Agung using surface-based observations. 351966
Herman, H.
Spinodal decomposition in amorphous Au-implanted Pt. 370218
Herman, J.A.
The effect of reactant purity on the radiolysis of gaseous ethane and propane. 357149
Herman, L.C.
Evidence for a 39-d period in Cyg X-1. 359109
Herman, M.
Evaluation of the $^{58}Ni(n,2n)^{57}Ni$ reaction cross sections. (INDC(POL) – 8/L) 372691
Herman, R.
Elastic cross sections for e + ^{40}Ca at 757.5 MeV. 364744
Herman, W.N.
Approximately relativistic classical dynamics of interacting point particles with isospin based on Lorentz-invariant action principles. 361812
Herman, Z.
Collision-induced dissociation of H^+ by He at eV energies. Crossed-beam and trajectory studies. 377150
Kinematics of charge transfer: $Ar^+ + H_2$. 350629
Hermann, G.
Studies of the retention of aerosols in the Karlsruhe reprocessing plant (WAK). 359841
Hermann, H.J.
Jodine-123 in nuclear-medical diagnostics. 376185
Hermann, H.W.
Orientation in the electron scattering by laser excited Na(3^2P) – atoms. 353265
Hermann, O.W.
High energy (E less than or equal to 1000 GeV) intranuclear cascade model for nucleons and pions incident on nuclei and comparisons with experimental data. (ORNL/TM – 5710) 359380
Hermanns, H.J.
Calculation of mass flow and steam quality distribution on fuel elements of light-water cooled boiling water nuclear reactors. (IKE – 5-205) 350201
Hermans, L.J.F.
The temperature dependence of the viscomagnetic effect in the hydrogen isotopes. 361436
Hermans, W.C.
Contributions of meson-exchange currents to inelastic electron scattering. (INIS-mf – 4267) 377725
Hermanska, J.
Czechoslovak intercomparison of personnel neutrons dosimetry methods. 349917
Determination of the neutron radiation doses on the basis of measuring the activities induced in a human phantom irradiated at a neutron generator. 349923
Hermansky, B.
Increasing nuclear power plant safety in densely populated areas. 349893
Hermanson, J.
Surface densities of states for normal photoemission from Mo(110) and W(111). 374725
Hermes, E.
A new upper limit for the decay $\mu^+ \rightarrow e^+\gamma$. 369383
Hermes, E.A.
Experimental study of the reaction $^7Li(\pi^+, \pi^0)^7Be$ in the (3, 3) resonance region. 366961
Measurement of gamma-rays, neutrons and charged particles after π^--capture in nuclei. 378077
Probabilities of muon induced nuclear reactions involving charged particle emission. 372832
Hermsdorf, D.
Neutron cross section evaluation for ^{93}Nb in the energy range from 30 keV to 20 MeV. (INIS-mf – 4043) 366938
Hermsen, W.
New high energy γ-ray sources observed by COS B. 351024
Hernadi, F.
Repair of DNA in living cells Part 1. 365346
Hernandez, E.S.
Self consistent description of the interplay between shape and pairing deformations: static properties. 349109
Herold, D.
Core excitations to the low lying states of thallium isotopes. (IKDA – 77/11) 364688
Microscopic description of the ground and of the septuplet states in ^{209}Bi. (IKDA – 77/10) 364724
Herold, D.A.
Reactions of CH_3^+(CD_3^+) with C_3H_6O isomers. 364995
Herold, H.
Energy by nuclear fusion. (IPP – 4/147) 348893
Parameter study of high-β tokamak reactors with circular and

strongly elongated cross section. (IPP – 4/153) 353560
Heroux, L.
Comment on Marinov's light velocity experiment. 376930
Herpers, U.
Computer assisted multielement analysis of terrestrial and extraterrestrial materials and studies on long-lived cosmogenic ^{53}Mn by neutron activation. 378095
Herquet, P.
Inclusive V^0 production in anti pp interactions at 12 GeV/c. 353939
Herr, H.
Forward photoproduction of neutral pions on polarized protons in the third resonance region. 366890
Photoproduction of pions on polarized protons and neutrons in the second resonance region. (BONN-HE – 77-11) 369342, 372502
Herr, W.
Computer assisted multielement analysis of terrestrial and extraterrestrial materials and studies on long-lived cosmogenic ^{53}Mn by neutron activation. 378095
Herrera, J.
New scheme for the design and operation of proton – proton storage accelerators. (BNL – 22926) 374054
Herrera, J.C.
Electron clearing and dimensional tolerance for the ISA chamber. (BNL – 50611) 357964
Herrera, J.J.E.
Analytic expression for the single-particle energy levels in nuclei. 369404
Herrera, L.
Some remarks on the Bonnor-Swaminarayan solution. 353041
Herrick, D.R.
Electron-impact excitation of helium: Cross sections, n, and l distributions of high Rydberg states. 350677
Herring, J.P.
Deposition of inhaled aerosols in beagle dogs. (BNWL – 2100(Pt.1)) 360308
Herring, R.N.
A long-term helium dewar for space experiments. 360650
Herrlander, C.J.
Core-excited high-spin isomers in ^{212}Rn. 351371
Measurements on light antiprotonic atoms. 376976
Study on antiprotonic atoms of light nuclei and isotopes. 371523
Herrmann, A.
Multiphoton ionization: mass selective laser-spectroscopy of Na_2 and K_2 in molecular beams. 371492
Herrmann, C.R.
Defect analysis program applied to nuclear plant pressure component experience data. (GEFR-SP – 051) 379229
Structural reliability methodology: application at the system level. (GEFR-SP – 049) 379255
Herrmann, D.
Correlations with hemodynamics and lung function of scintigraphically determined 'perfusion-redistribution-index'. (INIS-mf – 4010) 370485
Modern methods of personnel dosimetry. (UCRL-Trans – 11248) 361042
Herrmann, E.
The present status of astatine chemistry. 378460
Herrmann, F.
Symmetry assignment of a new point defect in Ca0 crystals. 373331
Herrmann, G.
Direct identification of $^{103-107}$Mo by a rapid chemical separation procedure. 369765
Herrmann, G.W.
Safety aspects of LWR fuel reprocessing and mixed-oxide fuel fabrication plants. 369834
Herrmann, H.
Radioecological studies in the main outfall of Gundremmingen nuclear power station. 357783
Herrmann, H.J.
Digital simulation of continuous systems with and without parameter optimization. (PTB-ATWD – 10) 368485
Herrmann, W.
Behaviour of electron rings in the early phase after ring formation. (IPP – 0/34) 357965
Eulerian finite-difference calculations of explosions in partially water-filled overstrong cylindrical containment vessels. (SAND – 77-1342) 379306
Herrnegger, F.
The influence of anisotropic ion pressure on non-symmetric toroidal high-beta equilibria. (INIS-mf – 3963) 371964
Herrnhut, H.
Experience with a sewage sludge radiation plant. (INIS-mf – 4220) 379414
Herrup, D.
Curious random counting statistics: theory, an actual flight experiment and possible applications for a suggested electrical circuit. 371096
Herschbach, D.R.
Vibrational relaxation in seeded supersonic alkali halide beams. 358782
Herschbach, K.
Reactor materials investigations and development. (KFK – 1277/2) 371052
Herschback, K.
Irradiation induced creep experiments in the BR2 reactor using the resonant cavity method. 360066
Herscovitz, V.E.
Quasi-free (π,πN) scattering. 372620
Hershberger, R.L.
The negative-ion test injector of the Munich MP tandem and the HICONEX 834 sputter source. 357867
Herskind, B.
Decay of the compound nucleus ^{74}Kr formed in the reaction ^{16}O + ^{58}Ni. 354265
Island of high spin isomers near N = 82. (ZfK – 336) 364811
Island of high-spin isomers near N = 82. 367001
A new experimental method for the study of regions of high spin and excitation energy. 378070
A study of γ-decay modes from high angular momentum nuclear states by high order multiplicity measurements. 377955
Hersloff, L.W.
Uptake of three isotopes of plutonium from soil by sweet corn grown in a growth chamber. (DP – 1455) 367577
Hertel, B.
Investigations on the diffraction contrast of small defect agglomerations in ionirradiated copper. (AED-Conf – 77-283-003) 353434
Hertel, E.
Intra-articular ^{90}Y-therapy of experimental arthritis in rabbits. (INIS-mf – 4010) 370400
Intra-articular ^{90}Y-therapy of polyarthritis. (INIS-mf – 4010) 370417
Hertel, I.V.
Dependence of quenching cross sections (Na* (3p) + mol) on the atomic polarisation. 353266
Dependence of quenching cross sections (Na*(3p)+mol) on the atomic polarisation. 377035
E-V-R energy transfer spectroscopy for quenching of laser excited Na-atoms by simple molecules. 353267, 377036
Orientation in the electron scattering by laser excited Na(3^2P) – atoms. 353265
Hertel, L.
Use of magnetic tape services in the field of scientific and technical information. (ZfI-Mitt – 7) 374489
Hertogen, J.
A 'chondritic' eucrite parent body: inference from trace elements. 364898
Activation analysis of ores and minerals. 356941
Meteorite material at five large impact craters. 376009
Hertschel, E.
Experimental investigation at the tandem accelerator EGP-10-1 of the Central Institute of Nuclear Research, Rossendorf. 357937
Hertz, M.
Radiation dose to the gonads during cystourethrography in children. 354807
Hertzberg, A.
High thermal efficiency advanced fuel fusion reactors. (EPRI-ER – 536-SR) 372054
Herynek, I.
Charge asymmetry at large psub(T) in inelastic anti pp reactions at 22.4 GeV/c. 353943
Inclusive spectra in anti pp interactions at 22.4 GeV/c. 353941
Multiplicities and forward-backward correlations in anti pp interactions at 22.4 GeV/c. 366882
Herz, A.
Inability of naloxone to change brain morphine levels in tolerant mice. 362809
Herz, A.J.
Coherent production of low-mass $p\pi^+\pi^-$ states in the interaction of 18.6 GeV/c protons with ^{4}He nuclei. 372518
Herz, J.E.
Specific deuterium labeling and computerized gas chromatography – mass spectrometry in studies of the metabolism and turnover of steroid sulfates in pregnant women. 352083
Herzenberg, C.
Beryllium-reflected coal analytical assembly using ^{252}Cf neutron-capture gamma rays. 378107
Herzenberg, C.L.
Neutron induced gamma spectrometry for on-line compositional analysis in coal conversion and fluidized-bed combustion plants. (CONF-771072 – 3) 378118
Herzig, C.
On the mass dependence of the energy factor ΔK of the isotope effect for impurity diffusion in copper. 371590
Herziger, G.
Collimated soft X-rays from the plasma focus. 371886
Microinstabilities in the plasma focus. 353629
Suprathermal microwave emission from the plasma focus. 366553
Herzing, R.
Recent working results of the programme 'diffusion data and fission product release'. (Juel – 1421) 355413
Tritium production in a controlled thermonuclear reactor blanket model with a graphite reflector. 350865
Herzlinger, M.
Electroproduction of phi mesons. 359337
Herzog, G.F.
^{26}Al in stony meteorites with gas losses. 349000
Herzog, J.
Water separator for a steam turbine for nuclear power stations. (German (F.R.) patent document 2623293/A/) 355282
Herzog, M.
The stress of structures caused by earthquakes according to calculation and measurement. 365806
Herzog, R.
An economical way to run PDP11 peripherals on a PDP15 computer. 371150
Hesel, D.
Comparing radiation exposure due to emissions from conventional

power plants and nuclear facilities. 370608
Radiation exposure in the neighbourhood of reprocessing plants in normal operation. 369838
Hespe, E.D.
Radioiodine removal system for a small fission-product separation plant. 360571
Hespeler, M.
Investigations of fuel rod failure in the second heatup phase of a LOCA. (KFK – 2435) 358191
Hess, B.
The KNK-II fuel elements: design and irradiation programme. 371064
Hess, C.T.
Observations of Crassostrea virginica cultured in the heated effluent and discharged radionuclides of a nuclear power reactor. (PB – 271841) 379138
Hess, D.C.
Accelerator system for producing two-component beams for studies of interactive surface effects. (CONF-770949 – 2) 374066
Hess, H.
The pressure dependence of the spark constant. 377424
Hess, R.
A complete experiment for p-p scattering at medium energies. 372584
Measurement of the parameters P, D, R and A for small angle p-p scattering at 390 MeV. 377785
Hess, W.
Recent results in the lower-hybrid heating of the Wega device. (INIS-mf – 3963) 372085
Rf heating experiments in the Wega Tokamak. 358916
Hessberger, F.
A search for positron emission from atomic collision processes. (ZfK – 336) 364737
Hesse, M.
Experimental evidence of ion heating by transit time magnetic pumping. 353516
Tokamak discharges in Petula with alumina chamber. (INIS-mf – 3963) 371737
Hesse, S.L.
Uranium favorability of tertiary sedimentary rocks in the northern Green River Basin and Hoback Basin, Wyoming. (GJBX – 64(77)) 365278
Hessel, M.M.
Relaxation of the mercury 6 $^3P_0$ and 6 $^3P_1$ states. 350470
Hesselbacher, K.H.
Differential cross sections for electron impact ionization of helium and argon. 353187
Hesselink, W.
A new upper limit for the decay $\mu^+ \rightarrow e^+\gamma$. 369383
Hesselink, W.H.A.
Collective bands observed in single closed shell even mass Sn nuclei. (INIS-mf – 4267) 377982
Decay studies of some nuclei around Z = 50: sup(106 m)Ag, sup(103, 119, 121)Cd. (INIS-mf – 3946) 362070
Properties of odd Ag isotopes. (INIS-mf – 4267) 378015
Hessler, J.P.
Fluorescence and excitation spectra of Bk^{3+}, Cf^{3+}, and Es^{3+} ions in single crystals of $LaCl_3$. (CONF-771039 – 6) 377037
Hesson, G.M.
Zircaloy cladding ID/OD oxidation studies. Final report. (EPRI-NP – 525) 379313
Hetherington, E.L.R.
The application of radionuclides in medicine. 357632
Hetrick, D.L.
Nuclear safety, 1975. 359858, 360289, 360451, 360452, 360458, 360460, 360462, 360466, 360473, 360474, 360672, 360677, 360691, 360699, 360805, 361182, 361212, 362902, 362906, 362916, 362935, 362973, 363008, 363037, 363439, 363634, 363638, 363639, 363665
Hett, W.
Effect of pions on the embryonal development of the mouse. (LA-tr – 77-77B) 379008
Hettinger, H.
Nuclear transmutation of actinides other than fuel as a radioactive waste management scheme. 368363
Heudorfer, W.
Radiationless internal vibrations of extended charged particles in a constant magnetic field. 355769
Heuer, A.H.
Application of high-resolution TEM to ceramic science. 373300
Mechanisms of toughening partially stabilized zirconia (PSZ). 362501
Plastic deformation in oxide ceramics. Progress report, January 1, 1977 – December 31, 1977. (COO – 4217-1) 373298
Reply to further discussion of precipitation in partially stabilized zirconia. 357377
Heugten, W.V.
Clustering of helium atoms at A1/2 <111>110 edge dislocation in α-iron. 351731
Heumann, K.G.
Dependence of the calcium isotope effects of the electrolyte concentration in the ion exchange chromatography. 364957
K/C age determination in potassium fieldspars. 375987
Mass spectrometric isotope dilution analysis of small calcium concentrations in minerals. 367034
Heurtebise, M.
Simultaneous determination of Co, Mo, Ni, W and moisture content in hydrodesulfurization catalysts by neutron capture gamma-ray spectrometry. 364875
Heusch, B.
Reaction cross sections for $^{16}O + {}^{16}O$. 359500
Reaction cross sections for $^{16}O + {}^{16}O$. (CRN-PN – 77-4) 354221
A study of the $^{42}Ca(p,\gamma)^{43}Sc$ reaction. 356746
Heuschkel, J.
Crossed beam kinetics: angular product distribution of the reaction of Br with CH_3I. (INIS-mf – 3940) 348689
Heusener, G.
Safety analysis aspects of a 2000 MWe LMFBR core. (CONF-761001 – P1) 363022
Heuser, F.W.
Survey of the state of the German safety study. (AED-Conf – 77-352-001) 365889
Heusinger, H.
Investigations on the electron beam radiation hardening of lacquers on metal surfaces. 367894
Heusse, P.
Inclusive V^0 production in anti pp interactions at 12 GeV/c. 353939
Heuvel, E.P.J. van den
The evolutionary history of X-ray binaries. 369104
The evolutionary history of X-ray binaries, ch. 4. (INIS-mf – 3997) 366749
Origin and life of stars. 353687
Heuvel, H.J.
Experimental investigations on the compatibility of a SNR-type corium with graphite. (CONF-761001 – P4) 363540
Hewat, A.W.
Structural phase transitions in sodium-potassium niobate solid solutions by neutron powder diffraction. 371549
Hewett, D.W.
Finite-gyroradius stabilization of diffuse high beta stellarators. 371851
Hewing, G.
Method of operating a nuclear power plant with closed working-gas circuit and nuclear power plant for applying the method. (German (F.R.) patent document 2526147/A/) 355659
Hewish, A.
The angular diameter-redshift relation for scintillating radio sources. 366706
Hewitt, G.F.
Two-phase flow and heat transfer. 357737, 357902, 357904, 358070
Hewitt, J.S.
Neutron thermalization spectrum in a partially hydrogenated terphenyl: evaluation of scattering kernels for organic reactor coolant. 374133
Hewson, A.C.
Magnetic moment and valence fluctuations in a model for rare earth compounds. 364033
Hey, J.D.
On the Stark broadening of isolated lines of F(II) and Cl(III) by plasmas. 366554
Heyde, K.
The ^{116}Sn (d,t)^{115}Sn reaction at 23 MeV. 354150
Description of positive parity bands in odd-mass In isotopes. 372621
The Jsup(π) = (9/2)$^+$ bands in odd-mass Sb and I isotopes: evidence for deformed states. 372624
Magnetic moment of the J/sup π/+ isomeric level in ^{134}Te. 351289
Heyde, P. von der
On gravitation in microphysics. 355770
Heyde, W.
A detector for high-energy neutrino interactions. 379899
Heydorn, K.
Determination of lithium by instrumental neutron activation analysis. 369546
Heylmun, N.F.
Apparatus for controlling molten core debris. (US patent document 4,036,688/A/) 374247
Heymann, F.F.
Coherent production of low-mass $p\pi^+\pi^-$ states in the interaction of 18.6 GeV/c protons with ^4He nuclei. 372518
Heymann, P.
Direct currents generated by microwave heating in toroidal plasma. 377455
Heyne, W.
Recovery of fission product molybdenum by acetylacetone extraction. 349932
Heynen, H.W.G.
Kinetics of the reduction of uranium oxide catalysts. 373018
Heyns, A. du P.
Bone marrow imaging with iron 59. 376143
Heyraud, J.
Furnace for the continuous sintering of pellets of ceramic nuclear fuel material. (US patent document 4,047,886/A/) 367292
Heyvaerts, J.
Emerging flux model for the solar flare phenomenon. 351025
Heywood, D.R.
TRIUMF data interface. 363246
Hiatt, J.L.
Palatal shelf epithelium: a morphologic and histochemical study in X-irradiated and normal mice. 367493
Hibbert, D.B.
Detection and identification of organic radicals produced in the low pressure silent electric discharge by an electron spin resonance spin trapping technique. 357020
Hibbs, M.
Dilepton production by neutrinos in neon. 351210, 353929
Hibler, D.L.
Construction and some properties of the most general homogeneous Newtonian cosmological models. 351026

Hicken, E.F.
Application of results from the LOFT and Semiscale LOCA tests to reactor safety questions. 370925
Hickerson, J.P.
Designer's guide to the mechanical properties and fracture toughness of titanium 6Al – 6V – 2Sn. (SAND – 77-1202) 378643
Hickey, J.W.N.
Radiological effluent and environmental monitoring for uranium mills: a regulatory viewpoint. 378918
Hickman, A.P.
Calculation of associative and Penning ionization of H and D by He(2 ^{1}S) and He(2 ^{3}S). 368650
Penning ionization of H_2 by He(2^{1}S): calculation of energy surface, width, and cross sections. 353268
Semiclassical perturbation scattering theory: momentum transfer in electron-dipole collisions. 358758
Hickman, J.W.
Value/impact comparison of alternate containment designs. (SAND – 77-1103C) 367740
Hickman, R.G.
Tritium-related materials problems in fusion reactors. 374475
Hickok, R.L.
Space potential measurements on EBT. (INIS-mf – 3963) 377425
Hicks, H.R.
Internal disruptions in tokamaks. 374826
Interpretation of tokamak sawtooth oscillations. 374866
Hicks, R.S.
An investigation into the possibilities and utility of an IKO gamma-ray facility, pt. 2. (Interiko – 77-5) 365716
A scale model (1:10) of the two-spectrometer arrangement (QDD and QDQ) under construction. (INIS-mf – 4267) 379863
Hickson, C.L.
Paints hardened by ionizing radiation. (German (F.R.) patent document 2431817/B/) 367890
Hickson, P.
Angular-size – redshift relation. II. A test for the deceleration parameter. 369105
Hida, Gyo
Photon-proton scattering at low energies. 359405
Hidaka, H.
Suggestion for a dibaryon resonance in the pp system. 356426
Hidaka, K.
Duality structure of diffraction dissociation. 353819
Duality structure of inclusive diffraction dissociation. 359263
Predictions of the spin parameter D in the inclusive process pp→pX. 356427
Hide, R.
How to locate the electrically conducting fluid core of a planet from external magnetic observations. 374916
Hidekuma, S.
Radio-frequency plugging of mirror and point cusp ends. (INIS-mf – 3963) 372084
Hieber, K.
Coating the inside surfaces of hollow sections with a tantalum layer for corrosion protection. 367213
Hiekmann, S.
First results of the automatic process control for the cyclotron U-120 at Rossendorf. (ZfK – 342) 374063
Hierl, P.M.
Chemical accelerator studies of isotope effects on collision dynamics of ion – molecule reactions: $Kr^+ + HD$. 368618
Kinematics of charge transfer: $Ar^+ + H_2$. 350629
Hierl, R.
Chemisorption and deuterium exchange of propylene on eta-Al_2O_3. 375465
Hietarinta, J.
Do fermion-pseudoparticle interactions generate quark masses. (COO – 1545-217) 372432
Higher order effects of pseudoparticles in QCD. (COO – 1545-212) 364508
Virtual quark-quark scattering in the pseudoparticle background. 364507
Higashi, A.
Reduction of releases of radioactive effluents from light-water power reactors in Japan. 367762
Higashi, Atsushi
Inhibition of bacteriophage phiX174 replicative-form DNA replication by rifampicin. 349839
Higashi, Koichi
Comparison of radiometric standards in the far ultraviolet region. 355626
Observation of the centre-to-limb variations of the sun in the vacuum ultraviolet region. 353705
Higashi, M.
The effect of the pellet-cladding mechanical interaction on a nuclear fuel quality assurance system. 376438
Higashi, Setsuo
Cascade of centrifugal separator. 360555
Higashi, Takao
A new factor from enteric bacteria of rats amplifying induction of liver enzyme by glucocorticoid. Pt. 2. 360376
Higashiguchi, Yasuhiro
Effect of neutron irradiation on deformation behavior of zirconium. 373374
Neutron irradiation effects on thermally activated process of tensile properties of titanium. 354615
Higbie, P.R.
Jupiter energetic particle experiment ESAD proton sensor design. (LA – 7009-MS) 379890
Pitch angle measurements from satellites using particle telescopes with multiple view directions. 358367
Solar proton event of April 16, 1970 1. Features in interplanetary space and in the magnetosheath. 351065
Solar proton event of April 16, 1970 2. Transformation of proton pitch angle distributions from the solar wind into the magnetosheath. 351967
Higgins, C.S.
Determination of radionuclide concentrations with positron CT scanning (PETT): concise communication. 352096
Higgins, E.F. Jr.
Electronics for damping transverse instabilities for the Fermilab booster synchrotron. 363251
Suppression of transverse instabilities by fast feedback in the Fermilab Booster. 363136
Higgins, H.G.
The effects of high energy radiation on the pulping properties of Pinus radiation and Eucalyptus regnans. 357570
Higgins, W.H.
C-E balances the benefits against the costs. 352646
Higginson, P.R.
Operating experience with a large examination facility for irradiated plutonium fuel pins. 363124
Higgs, L.A.
Observations of 85α recombination lines from W48. 359119
Highland, V.L.
Experimental investigations in particle physics at intermediate energies. Progress report, December 1, 1976 – November 30, 1977. (COO – 3539-8) 364557
Higley, B.A.
Subsurface stabilization by grouting of a simulated underground tank. (ARH-CD – 877) 380075
Higo, Morihide
Translational energies of the excited hydrogen and deuterium atoms produced by controlled electron impact (300 eV) on water and heavy water. 373053
Higon, E.
A search for collective pion production in 2 GeV/Nucleon heavy ion reactions. (LUIP – 7708) 354711
Higuchi, H.
A 'chondritic' eucrite parent body: inference from trace elements. 364898
Higuchi, N.
Thermal insulation for the superconducting cable. 365705
Higuchi, Yoshihiro
Feedback stabilization of drift-cyclotron instability and its application to space plasma. (IPPJ – 286) 377426
Hiismaeki, P.
Principles of reverse neutron time-of-flight spectrometry with Fourier chopper applications. (VTT-REA – 30) 366031
Hijikata, Kunio
Effect of radiation heat transfer on the performance of high temperature heat exchanger, (2). 379712
A study of supersonic bubble flow, (2). 379438
Hikichi, Takayoshi
Effect of added substances on the amination of 2-oxoglutaric acid by gamma-irradiation. 378510
Hikido, K.
Safety design criteria for liquid metal fast breeder reactors. 379264
Hikime, Seiichiro
Conductometric titration of cadmium by the formation of cadmium-o-phenanthroline-iodide ternary complex. 372942
Hikosaka, K.
Channeling studies of radiation damage in metal-silicides. 370167
Hilaire, A.
External proton beam lines and the splitter systems of the CERN SPS. 363215
Hilal, M.A.
Free convection heat transfer to supercritical helium. 360594
Hilaris, B.S.
Comparative study of two preoperative radiation regimens with cystectomy for bladder cancer. 373579
Hilbert, R.F.
Oxide fuel in-reactor creep – LMFBR design aspects. 360126
US experience in irradiation testing of advanced oxide fuels. 379748
Hilborn, H.S.
Publications, 1972 – 1976. (DP – 929-1) 351118
Hilchie, D.W.
Nuclear well logging for petroleum, ch. 6. 373404
Hild, W.
Lab-scale and pilot-plant experiments on the solidification of high-level wastes at the Karlsruhe Nuclear Research Centre. 358483
Method for disposing radioactive resin wastes and the appropriate device. (German (F.R.) patent document 2531584/A/) 355640
Method to avoid disturbances in the solidification of radioactive liquid wastes. (German (F.R.) patent document 2553569/A/) 355642
Recent experiments on the treatment of medium level wastes and spent solvent and on fixation into bitumen. 358466
Solidification of high-level fission products by a thermite reaction. Pt. 2. (KFK – 2427) 355641
Hildebrand, D.
High precision localization methods for HZE-particles. 360251
Some aspects of the etching behaviour of cellulose nitrate as track detector. 368296
Hildebrand, G.
Investigation of the light variation of twelve Ap stars in ten spectral regions. 351080
Hildebrandt, D.
Experimental determination of the average kinetic energy of

sputtered atoms. 364071
Hildebrandt, E.
Device for ultrasonic material testing of bolts having an axial through hole, preferably stud bolts of nuclear reactor pressure vessels. (German Dem. Rep. patent document 118329/A/) 365779
Hildebrandt, G.F.
Collisional ionization of Xe(nf) atoms by electron attaching targets. 377006
Effects of state changing collisions in studies of collisional ionization of xenon high Rydberg atoms. 377121
Ionization of xenon atoms in high Rydberg states by collision with molecules. 350612
Hildebrandt, S.
Meson wave functions in 2-dim QCD. (BONN-HE – 77-18) 369291
Hildenbrand, D.L.
Studies of some negative ion processes involving the tungsten fluorides. 353269
Hildenbrand, K.D.
Fission of ^{238}U induced by ^{136}Xe for energies close to the Coulomb barrier. 359488
Reaction between ^{238}U and ^{238}U at 7.45 MeV/nucleon. 366981
Hilditch, R.J.
Radioiodine removal system for a small fission-product separation plant. 360571
Hilditch, R.W.
The galactic cluster NGC 2527. 359076
Studies of A and F stars in the region of the north galactic pole. 369106
Hildner, E.
Coronal mass-ejections-kinematics of the 19 December 1973 event. 372261
Mass ejections from the solar corona into interplanetary space. 372188
Noncompressive density enhancements in the solar wind. 369087
Hilgendorff, W.
Reverse osmosis seawater test facility on board NS Otto Hahn. 354321
Hilger, S.
The preparation of Nb-Gesub(x) films by reactive sputtering. 370033
Hilko, B.
Heating of a z-pinch plasma by CO_2-laser radiation. 377486
Hill
Unresolved resonance parameters for ^{235}U. (BNL-NCS – 22500) 356800
Hill, A.E.
On experimental and theoretical considerations of recoil implantation. (INIS-mf – 3996) 364011
Hill, D.
Measurement of the π^+p and π^-p polarization parameters at 100 GeV/c. 351209
Measurement of the polarization parameter for antiproton-proton annihilation into charged pion and kaon pairs between 1.0 and 2.2 GeV/c. 353949
Measurements of the total cross-section difference and the parameter Csub(LL) in pp scattering with longitudinally polarized beam and target. 356485
Hill, D.E.
Biomedical and health studies with the new Canadian SLOWPOKE reactor. 369549
Hill, D.K.
Effects of negative pions and neutrons on the growth of Vicia faba bean roots. 373505
Hill, F.
Circumstellar envelope of IRC+10216. 359113
Hill, G.
Studies of A and F stars in the region of the north galactic pole. 369106
Hill, G.D.
Development tests in sodium on two types of gripper drive. (TRG-Report – 2948(R)) 350252, 352740
Hill, G.S.
Correlation of radioactive waste treatment costs and the environmental impact of waste effluents in the nuclear fuel cycle: conversion of recycle uranium to UF_6. (ORNL/NUREG/TM – 37) 352288, 374417
Hill, H.W.
High-level radioactive waste disposal in the deep ocean. 361123
Hill, J.
BNFL annual report: review of the year. 350463
The energy gap and the fast reactor. 371025
International proliferation on nuclear weapons. 353000
Hill, J.C.
Decay studies of Ag, Cd, and In fission products with new in-beam ion source. (BNL-NCS – 22500) 356783
Hill, J.M.
Status and programme for the fast breeder reactor in the United Kingdom. 365974
Hill, J.S.
Thermocouple and its fabrication. (German (F.R.) patent document 2642452/A/) 374383
Hill, M.
Modelling studies used to evaluate waste disposal options. 376766
Hill, M.D.
The hazard associated with vitrified high-level radioactive waste. 354992
Hill, N.W.
Intermediate structure studies of ^{234}U cross sections. (INIS-mf – 3896) 356792
Hill, P.W.
UBV photometry and MK spectral classification of northern early-type stars at intermediate galactic latitudes. 349001
Hill, R.E.
Design philosophy and use of high voltage power systems for multi-megawatt ion beam accelerators. (CONF-771029 – 68) 371736
Hill, R.F.
Energy technology IV: confronting reality. 352571
Hill, R.G.
Bundle-duct clearance of HEDL mixed oxide subassemblies. (HEDL-SA – 897) 368206
Hill, R.J.
High rate magnetron sputtering. 368799
Small-scale fluctuations in D-region ionization due to hydrodynamic turbulence. 373459
Hill, R.L.
Farewell interview with NRC Chairman Rowden. 361204
Hill, R.M.
Collisional angular-momentum mixing of highly excited Na(n ^{2}D) states by N_2 and CO. 350614
Hill, R.N.
Proof that the H^- ion has only one bound state. Details and extension to finite nuclear mass. 366339
Hill, S.A.
Radioprotection by pentobarbitone sodium of a murine tumour in vivo. 365397
Hill, S.J.
Specific binding of ^{3}H-mepyramine to histamine H_1 receptors in intestinal smooth muscle. 360318
Hill, T.W.
Evidence of magnetospheric cusp proton acceleration by magnetic merging at the dayside magnetopause. 360194
Hillam, J.
Absolute radiocarbon dating using a low altitude European tree-ring calibration. 356971
Hillas, A.M.
Does Feynman scaling remain valid at ultra-high energies. 374941
Hille, F.
Device for monitoring the personnel traffic into and out of rooms where radioactive material is handled. (German (F.R.) patent document 2016857/B/) 371298
Hille, P.
A nondestructive method for age determination of fossile bone. 364862
Hille, R.
Criticality aspects for important components of reprocessing plants. 369829
Hillebrandt, W.
Beta transition rates in hot and dense matter. (IKDA – 77/6) 364412
Variational calculation of ground-state energy of iron atoms and condensed matter in strong magnetic fields. 351011
Hillekum, H.
Earthquake design of the piping heat transfer system. 376560
Improving the seismic strength of pipelines and components of the KNK-II heat transfer system. 371013
SNR 2 – internal containments. 371026
Hillenbrand, B.
Method for the fabrication of superconducting Nb_3Sn layers on niobium surfaces for high frequency applications. (German (F.R.) patent document 2532570/A/) 369255
Hiller, J.
Theoretical and experimental investigations of the atmospheric diffusion of radioactive gases and aerosols and of the probabilistic radiation doses around nuclear plants due to accidental activity releases. (KFK – 2435) 357760
Hilleret, N.
Vacuum cold bore test section at the CERN ISR. 363155
Hillert, M.
Eutectoid transformation of delta-ferrite in Fe – Mo – C alloys. 362491
Hilles, R.W.
Using nuclear plant operating data to improve product reliability. 370916
Hilliard, R.K.
Preliminary results of CSTF aerosol behavior test, AB-1. (HEDL-SA – 1381) 379250
Hillis, D.L.
Levels in ^{164}Yb from ^{164}Lu decay. 351373
A new experimental method for the study of regions of high spin and excitation energy. 378070
Hillman, M.
Szilard-Chalmers reactions of bridged derivatives of titanocene dichloride, zirconocene dichloride and hafnocene dichloride. 359733
Total fusion cross sections for ^{18} ^{17} ^{16}O + ^{27}Al at energies near the Coulomb barrier. 366972
Total fusion cross sections for ^{18}, ^{17}, ^{16}O^{+27}Al at energies near the Coulomb barrier. (WIS-Ph – 77/19) 366932
Hills, J.G.
Stellar debris clouds in quasars and related objects. 372189
Hillyard, H.W. Jr.
Nonlinear subcritical multiplication at the Fort St. Vrain HTGR. 358253
Hilmer, K.
Use of the isotope probe for investigating foundation soils. 360582
Hilscher, G.
Search for magnetic order in selected pseudobinary systems down to millikelvin temperatures. 371604

The transition from ferromagnetism to paramagnetism in Ti(Fesub(1-x)Cosub(x)), Y_6(Fesub(1-x)Mnsub(x))$_{23}$ and the effect of pressure. 354519
Hilst, G.R.
Development of vertical dispersion coefficients for rolling terrain environments. (COO – 4026-5) 357547
Hilt, L.
Optimization of the condensate cleaner in the secondary circuit of nuclear power plants operating with pressurised water reactor. 368118
Hiltner, W.A.
Optical candidates for two X-ray bursters and an X-ray pulsar. 359128
Optical observations of WRA 977 (3U 1223-62). (CONF-7510169 –) 364287
Hilton, P.A.
Experimental studies of the excitation spectrum of ^{3}He – ^{4}He mixtures using neutron inelastic scattering. 351119
Himeno, Yoshiaki
Leak detector of liquid sodium. 350257
Himmler, H.
Electronic supply system "BING" for vibrating wire strain gauges. (SGAE – 2581) 374019
Hinata, Hiroshi
A radiation-induced pharyngeal cancer. 349767
Hinata, S.
A possible mechanism for the pulsar radio emission. 369107
Hinchliffe, I.
Detailed treatment of scaling violations in asymptotically free gauge theories. 356428
Scaling violations and neutrino cross sections. 353820
Hinchliffe, L.
Size distribution of radon daughter particles in uranium mine atmospheres. (HASL – 326) 363049
Hincks, E.P.
Further muonic-atom test of vacuum polarization. 350625
Muon catalysis of hot fusion. 350866
Hinderer, B.
Conception of a model for the description of the rewetting phase of reactor fuel pins following a loss-of-coolant accident. (IKE – 2-37) 352240
Hindrichs, D.
The control and shutdown system of the KNK-II. 376469
Hinds, H.W.
A hybrid computer simulation of reactor spatial dynamics. (AECL – 5907) 363383
Hinds, S.
Quadrupole moments of the first excited states of ^{204}Pb and ^{206}Pb. (ANU-P – 690) 362074
Hine, G.J.
Internal absorbed dose from administered radiopharmaceuticals. 357616
Measurements of the performance parameters of gamma cameras. Part I. (FDA – 78-8049) 379897
Hine, S.
Surface magnetic moment of Fe by Moessbauer effect. 368877
Hines, J.
Interaction between methyl mercury and radiation effects on nervous systems. (PB – 265873) 352038
Migration of Pu and Am. (BNWL – 2117) 370255
Hingoraney, S.P.
Uranium and thorium resources and development of techniques and equipment for their prospection. 365300
Hingorani, S.B.
Removal of radioactive iodine and methyl iodide by use of silver-impregnated resin. 349322
Hink, W.F.
Comparison of survival and unscheduled DNA synthesis between an insect and a mammalian cell line following X-ray treatments. 378966
Hinnov, E.
Observations of multiply ionized tungsten radiation in the PLT discharges. (PPPL – 1375) 371887
Spectroscopic measurements of ion temperature in ATC tokamak with RF and neutral-beam heating. 348965
Hino, Tomoaki
Nuclear fusion reactor. 358953
Hinode, Kenji
An isochronal annealing study of deformed copper by means of positron lifetime. 353435
Hinoki, M.
Safety aspects and operating experience of LWR plants in Japan. 370871
Hinrichs, C.K.
Overview of stoppering of open magnetic containment systems for controlled fusion. (EPRI-ER – 394-SR) 361557, 377427
Hins, A.G.
Cold welding of aluminum for encapsulation of nuclear fuel. 370843
Hinsdorf, H.J.
On-line reactivity measurements in power reactors. 350109
Hinteregger, J.
Determination of heavy metals in fishes from Upper Austrian waters. (SGAE – 2726) 357586
Hintergraeber, M.
Safety coupling for disconnecting two shaft components. (German (F.R.) patent document 2422400/C/) 350134
Hintermayer, H.
Intermediate and ultimate storage site for Austria for LWR fuel and reactor core components. 369831
Hinterwaelder, K.K.
On-the-job training during construction and commissioning of nuclear power plants. 352555
Hinton of Bankside, Lord
The birth of Calder Hall. 365921
Hinton, C.
The birth of the breeder. 374249
Hintsches, E.
Hot plasma column on Hercules X-1. 353683
Hintz, E.
Fluorescence spectroscopic measurement of the relative sputtering yield of metals as a function of oxidation state and Ar^+ dose. 368770
Hinze, E.
X-ray energy-dispersive diffractometry using synchrotron radiation. 353408, 361429
Hinze, Juergen
Inverse perturbation analysis; potential curves from term values and phase shifts. 368616
Hioki, Yoshiaki
Control of plasma potential with an electron emissive grid in a Q-machine. 353561
Hioki, Zenro
Constraints on the mixing angle between ordinary and heavy leptons in a (V-A) model. 372433
Same sign dimuon events and ΔC is not equal 0 neutral current. 353822
Weak current model with ΔC is not equal 0 neutral current. 353821
Hipkin, J.
The distribution of committed dose equivalents to workers exposed to tritium in the luminising industry in the United Kingdom. 355036
Hirabayashi, Hisakazu
Saturation of polymer yield during postpolymerization of gamma-ray irradiated 2-amino-4-N-methylanilino-6-isopropenyl-1,3,5-triazine. 354458
Hirabayashi, M.
Channeling study on the thermal motion of deuterium in palladium alloy. (INIS-mf – 3996) 364131
Hirabayashi, Makoto
Diffuse scattering due to out-of-step configurations of oxygen atoms in a TiOsub(0.42) crystal. 358857
Hiraga, Kogo
Biological fate of butylated hydroxytoluene (BHT) in rats, (2). 352168
Hiraishi, H.
Ionization of long-lived highly excited atoms by collision with benzene and some other molecules. 377038
Hirajima, Tamaki
Study on measurement of trace radioactivity, (2). 359574
Hirakawa, A.Y.
Measurement of hydrogen exchange at the tryptophan residues of a protein by stopped-flow and ultraviolet spectroscopy. 378351
Hirakawa, Hiromasa
Dynamic polarization of deuterons in individual sites of deuterated LMN crystal. 353472
Hirakawa, Ken
Hepatic accumulation of sup(99m)Tc-Sn-diphosphonate. 379187
Hirakawa, Naohiro
Absolute fission ratio measurements with semi-conductor fission chambers. 355534
Space dependent kinetics codes by synthesis method. (JAERI-M – 7067) 350444
Hiraki, Motoji
Radiation doses measured by TLD (thermo luminescent dosimeter) in x-ray examination. 355063
Hiraki, Tatsunosuke
Study of distribution of ^{169}Yb, ^{67}Ga, and ^{111}In in tumor tissue by macroautoradiography. 354829
Study of subcellular distribution of ^{169}Yb and ^{111}In in tumor and liver. 349775
Whole-body retention studies of ^{169}Yb-citrate. 379088
Hirama, Hideo
Supporting structure for fuel pins. 379569
Hiramatsu, T.
Development of automatic ISI tool for the 'Fugen' prototype advanced thermal reactor. 365901
Hiramoto, Keiko
Effect of ^{60}Co-γ ray irradiation on green coffee beans, 1. 367681
Hiramoto, T.
NIRS-Chiba isochronous cyclotron 1976. (NIRS-M – 15) 376382
Hirano, K.I.
Diffusion of vanadium, chromium, and manganese in copper. 357279
Hirano, Katsumi
A study of plasma focus. 358954
Hirano, Kei-ichi
End pluggings of a linear theta pinch by hot high Z plasmas of high mass number. (IPPJ – 262) 366555
Hirano, Mikio
Method and apparatus for treating radioactive wastes. 361103
Hirano, Mitsumasa
JIMCOF: a multigroup constants file from ENDF/B-IV. (JAERI-M – 6972) 350447
Reference design of the experimental multi-purpose high-temperature gas cooled reactor. (JAERI-M – 6974) 358265
Study on core flow distribution of the reference core design Mark-III of experimental multi-purpose VHTR. (JAERI-M – 6894) 358263

Hirano, S.I.
Hydrothermal growth of Y_2O_3-stabilized cubic ZrO_2 crystals. 362499
Hirano, Tetsuo
Autoradiographic demonstration of a zonal distribution of ^{3}H-dopamine-derived radioactivity in the mouse adrenal medulla perfusion-fixed with glutaraldehyde. 349840
Hiranuma, H.
Operating experience at Shimane Nuclear Power Station. 352637
Hirao, K.
Local characteristics of the electron temperature profile. 354707
Resolution of carbon atoms in neutron-irradiated Fe-0.21wt% C-0.2wt%Cu alloy. 370247
Hirao, Kunio
Density and temperature variation in the exosphere derived from the orbital decay of satellite TAIYO. 349679
Electron temperature profile over the south atlantic anomaly. 354708
Hirao, Masahiko
Nonlinear modulation of torsional waves in elastic rod. 371888
Hirao, Seizo
Pressure tube type reactor. 360940
Hirao, T.
Depth distribution of knock-on nitrogen in Si by phosphorus implantation through Si_3N_4 films. 360092
Hirao, Yasuo
Numatron project. 374091
Hiraoka, Eiichi
Characteristics of Tm-170 for industrial radiography. 367886
Fitting function for the thermal neutron distribution in water due to a ^{252}Cf source. 355086
Growth of zero-phonon line at 361 nm in MgO. 358899
The large radiation dosimetry with Perspex, (3). 361038
Simplified water bath method for calibrating a ^{252}Cf source. 360576
Hiraoka, H.
Experimental observations of the negative atomic nitrogen ion. 350630
Hiraoka, Takeshi
Comparative study on radiosensitivities of cultured cell lines derived from several human tumors under hypoxic condition. 360222
Determination of saturation current in cylindrical paired ionization chambers for fast neutrons. 350306
Dose distribution of fast neutron beams from a NIRS cyclotron. 349920
Dosimetry of fast neutron beams at the NIRS cyclotron. 349919
Hirasawa, Y.
Reactor system components of Japan's fast breeder reactors. 379794
Hirashima, Kunitake
Blood stem cells and radiation injuries. 349741
Hirashima, Y.
Extraction of trivalent lanthanides from aqueous acidic solutions with di(2-ethylhexyl) phosphoric acid in n-heptane. 362127
Hirashima, Yo
Development of cosic gamma ray detector in the vicinity of 10 MeV. 379898
Observation of aurora x-ray. 378935
Hirata, J.
Testing of the energy stability and reproducibility of the ion beam produced by the 'tandem' accelerator of USP (University of Sao Paulo, Brazil). 354144
Hirata, M.
Excitation of Δ-nuclear states in π-^{4}He scattering. 372622
Extended schematic model for pion-nucleus scattering. 356606
Present status and development of Japan's safeguards system. 371287
Hirata, Masaru
Sodium vapor deposition onto a horizontal flat plate above liquid sodium surface, 2. 360983
Hirata, N.
Analysis of the central blockage wake in an LMFBR-subassembly. 374236
Hirata, Y.
Isotope and substituent effects on the intramolecular proton transfer in the excited state of 6-(2-hydroxy-5-methylphenyl)-s-triazines. 378395
Hiratsuka, H.
Reduction of power loss due to heavy impurities in Diva. (INIS-mf – 3963) 372098
Hirayama, C.
Network of γ-irradiated poly(vinyl alcohol) beads. 359779
Hirayama, H.
Integral experiment of photonuclear cross sections of C, Mn, Fe, In and Au in the giant resonance region. 369487
Superconducting properties and microstructure in dilute copper alloys containing small amounts of V_3Ga particles. 373240
Hirayama, Hiroshi
Design of pretreatment unit for Kr-85 recovery system. (PNCT – 831-76-01) 380013
Performance test of the pretreatment unit for Kr-85 recovery system. (PNCT – 831-76-01) 380014
Hirayama, M.
Realization of Nambu mechanics: A particle interacting with an SU(2) monopole. 359264
Hirayama, Masatoshi
The correlation of steric effects and equilibrium constants evaluated from lanthanoid-induced ^{1}H shifts in aniline derivative-Eu(fod)$_3$ systems. 349224
Hirayama, Toshio
Measurements of plasma energy losses to the wall in JFT-2. (ZAED-tr – 77/2) 350936
Hird, B.
Single electron capture by Ar^{2+} in Ne, Ar, and Kr gases. 358838
Hirling, J.
Application of microautoradiographic methods for determination of the particle-size distribution of submicron size radioactive aerosols. 357534
Hirning, C.R.
Proton hole states in ^{187} ^{189} ^{191}Re investigated by the (t(pol),α) reaction. 354205
Hiroe, S.
Radio-frequency plugging of mirror and point cusp ends. (INIS-mf – 3963) 372084
Hiroi, H.
Safety evaluation of the Monju steam generator. (CONF-761001 – P2) 362951
Hirokawa, Shunkiti
On the optical properties of irradiated cobalt glass and other glasses. 349596
Hirose, Masao
Recirculating flow-rate control system in an atomic power plant. 350186
Hirose, Shunichi
Experiment of double resonance parametric process in a plasma. 377325
Hirose, Tachishige
Phenomenological analysis of nucleon diffraction dissociation in the Drell-Hiida-Deck model. 353823
Hirose, Y.
Design of the Nuclear Fuel Development (NFD) hot laboratory. 360684
Hiroshige, Noboru
Pion-nucleon interactions in low energy region. 353824
Hirota, C.
Auger-electron spectra ejected in the Ar $L_{2,3}$MM and the Xe $N_{4,5}$OO processes by electron impact. 377085
Auger-electron spectra ejected in the Ar Lsub(2,3)MM and the Xe Nsub(4,5)OO processes by electron impact. 358793
Hirota, E.
Hyperfine structure in the A tilde state of PH_2 arising from the Fermi interaction of ^{31}P. 376997
Hirsbrunner, B.
A numerical test of Borel summability in the epsilon-expansion of the hierarchical model. 361255
Hirsch, E.H.
The growth of carbonaceous contamination on surfaces undergoing ion bombardment. 354614
Hirsch, H.
The nuclear energy information campaign of the Austrian Government. Survey as of May 1977. 370566
Nuclear power: pros and cons. 360447
Hirsch, P.B.
Point defect cluster hardening. 351893
Hirschfeld, F.
Future with fusion power. 361558
Hirschfelder, G.
Improvements in energy transforming engineering. 355662
Hirschfelder, J.O.
Almost degenerate perturbation theory. 376912
Hirschhaeuser, K.O.
Gamma-ray testing of welds between tube and tube-plate in multipass heat exchangers. 358012
Hirschman, P.
Blood flow and bone traces accumulation in a model of experimental osteomyelitis. (INIS-mf – 4010) 357610
Hirsekorn, R.-P.
A new boson expansion for the solution of the n-fermion problem with an application to ^{4}He. 354067
Hirshfield, J.L.
Fusion reactors based on ^{6}Li(p,α)^{3}He. (EPRI-ER – 536-SR) 371889
Hirshman, S.P.
Moment equation approach to neoclassical transport theory. (PPPL – 1378) 361559
Neoclassical current in a toroidally-confined multispecies plasma. (PPPL – 1409) 377428
Hirt, C.W.
Analysis of the fluid-structure dynamic interaction of reactor pressure vessel internals during blowdown. (AED-Conf – 77-403-007) 368160
Comparison of SOLA-FLX calculations with experiments at systems, science and software. (LA-NUREG – 6752-MS) 357758
Multi-dimensional fluid-structure interactions in a pressurized water reactor. (LA-UR – 77-1599) 365540
Hiruma, Masaru
Abnormal wear of exhaust valve seat under use of lead-free gasoline. 373981
Hirvonen, J.K
Combined transmission electron microscope and ion channeling study of metastable metal alloys formed by ion implantation. 371580
Hirvonen, J.K.
Spinodal decomposition in amorphous Au-implanted Pt. 370218
Hirzel, D.G.
Development work on superconducting coils for a large mirror fusion test facility (MFTF). (UCRL – 78891) 358929, 377378
Evaluation of large, multifilament Nb_3Sn conductors with a new 12-Telsa tensile test apparatus. (UCRL – 79192) 357262
Evaluation of metal-foil strain gages for cryogenic application in

magnetic fields. (UCRL – 79202) 350846
Mechanical strain of large, multifilament Nb_3Sn conductors for fusion magnets. (UCRL – 78890) 358934
Nickel – chromium strain gages for cryogenic stress analysis of superconducting structures in high magnetic fields. (UCRL – 79726) 371852
Strain-critical current data for large multifilament Nb_3Sn conductors. (UCRL – 79724) 368931

Hisa, Isamu
Method of processing wastes. 368383

Hisada, Kinichi
Development of new radionuclide bolus injector and evaluation of bolus using venous phantom. 360392
Evaluation of supine and sitting cardiac blood pool scans with sup(99m)Tc-HSA. 367691
Relations between location of elements in periodic table and affinity for the kidneys. 379140
Study of subcellular distribution of ^{169}Yb and ^{111}In in tumor and liver. 349775
Study on tumor affinity of sup(99m)Tc-labeled radiopharmaceuticals. 349843
Whole-body retention studies of ^{169}Yb-citrate. 379088

Hisaoka, Fumiko
The influence of increased hepatic sequestration after splenectomy on the survival and osmotic fragility of red cells in rats, with reference to protein levels in diets. 373764

Hischler, J.
Multiple scattering effects in secondary electronic emission of single crystals under ionic bombardment. (INIS-mf – 3996) 364034

Hiscock, W.A.
Tidal interactions with Kerr black holes. 359096

Hishida, A.
Renal hemodynamics in uranyl acetate-induced acute renal failure of rabbits. 360352

Hishida, H.
Probabilistic evaluation of core-internal coolant flow distribution with correlation among fuel subassemblies. 355474

Hiskes, J.R.
Formation processes and secondary emission coefficients for H^- production on alkali-coated surfaces. (UCRL – 80098) 371493

Hitch, B.F.
Precision emf measurements on protolytic equilibria with the hydrogen electrode above 100 C. 375514

Hitchcock, D.A.
Neutral beam driven convective loss cone instability in toroidal geometry. 350867

Hitchcock, J.T.
Analysis of simulated HCDA experiments in ZPPR. (CONF-761001 – P2) 363020

Hite, R.J.
Subsurface geology of a potential waste emplacement site, Salt Valley Anticline, Grand County, Utah. (USGS-OFR – 77-761) 380050

Hitzig, K.
Influence of the size and shape of cooling channel blockages on the emergency core cooling in the reflood phase of a LOCA. (KFK – 2435) 357796

Hively, L.M.
Fusion product bombardment of a tokamak first wall. 348924
Sensitivity studies on 3.5-MeV alpha bombardment of tokamak first wall. 377429

Hivert, V.
Internal friction peaks due to dislocation relaxations in plastically deformed and/or irradiated high-purity α-iron. 1. 348792

Hixon, J.E.
Luteolytic interaction between estradiol and prostaglandin F_2 α in hysterectomized ewes. 367494

Hjellming, R.M.
Discovery of an X-ray QSO. 366741
May 1975 transient radio event in Cyg X-1. (CONF-7510169 –) 364338
Radio sources associated with Cyg X-3. (CONF-7510169 –) 364337

Hjorth, S.A.
Evidence for rotational band structures in the N = 88 nulide ^{153}Tb. (ZfK – 336) 364834
Investigation of high-spin states and decay of an $11/2^-$ isomer in ^{151}Tb. (ZfK – 336) 364789
Properties of rotational excitations in odd mass Dy isotopes. 354068

Hladky, E.
Hygiene problems in building a nuclear power and heat plant near Bratislava. (INIS-mf – 4055) 367743
Regulatory activities and their research and developmental support in the CSSR. 371267
Results of research into nuclear power plant safety. (INIS-mf – 4054) 367792

Hladky, J.
Deep inelastic muon scattering at 240 GeV. 353967
High-energy particle detection by electronic method. 368297
Search for charmed particles decaying into strange particles. 366891
Transmission regeneration of Ksub(S)sup(0) mesons on carbon. 353968

Hlasnik, I.
Czechoslovak-made Nb_3Sn superconductors. 367236
Phenomenological electrodynamics of technical superconductors. 366798
Research into applications of superconductivity in JINR. 366797

Hlavac, S.
Measurement of (n,2n) and (n,p) cross sections at 14,7 MeV. 356784

Hlinka, V.
Comparison of high-sensitivity gamma spectrometric methods used in activation analysis. (INIS-mf – 4143) 374305

Hliscs, R.
Measurement of cerebral blood flow by means of intravenous injection of ^{133}Xe. 349781

Hnatowich, D.J.
Radionuclide angiography with iridium-191m (Tsub(1/2) = 4.9s). An improved osmium-191→iridium-191m generator. 354852

Hnatowicz, V.
Coulomb excitation of very high spin rotational states. 378006
The decay of ^{167}Lu(Tsub(1/2) = 55 min)^{167}Yb. 354200

Ho-Kim, Q.
Radiative pion-proton scattering. 354206

Ho, F.D.
Study of pair correlation in three-electron atoms. 363900

Ho, H.
Pre-equilibrium alpha emission accompanying deep-inelastic $^{16}O + ^{58}Ni$ collisions. 354207

Ho, K.K.
Temperature dependence of the recombination fluorescence of photoionized indole and N,N,N',N'-tetramethyl-p-phenylenediamine in organic glasses. Consequences of electron tunneling and diffusion. 364958

Ho, P.S.
Effects of enhanced diffusion on preferrred sputtering of homogeneous alloy surfaces. 368800

Ho, P.X.
On the radial distribution of the 1fsub(7/2) proton orbit. 362113

Ho, R.
Migma IV high energy fusion apparatus. 363220

Ho, T.
Stability of superflow in ^3He-A. 369241

Hoag, E.D.
Gas laser. (German (F.R.) patent document 2352650/B/) 371890

Hoagland, R.G.
Critical experiments, measurements, and analyses to establish a crack arrest methodology for nuclear pressure vessel steels. Quarterly report no. 9, Oct – Dec 1976. (PB – 269339) 365551

Hoang, Y.S.
Reactor safety, instrumentation and environmental effects. (KFK – 1277/2) 370622

Hoar, T.P.
Decomposition of metal oxide films under electron bombardment. 357407

Hobart, J.L.
Dye laser. (German (F.R.) patent document 2425173/B/) 371544

Hobbins, R.R.
Fuel rod microstructural changes associated with Post-DNB operation during power-cooling-mismatch (PCM) conditions: the PCM-2A test. 360480

Hobbis, L.C.W.
A pulsed neutron facility for condensed matter research. (RL – 77-064/C) 360725

Hobbs, C.H.
Occurrence and lobar distribution of lung cancer in Syrian hamsters induced by intratracheal administration of ^{210}Po (preliminary report). (LF – 56) 362729
Radiation dose pattern following inhalation of monodisperse and polydisperse aerosols of $^{241}AmO_2$ in beagle dogs. I. (LF – 56) 365445
Radiation dose patterns in beagle dogs following inhalation of monodisperse and polydisperse aerosols of $^{238}PuO_2$. (LF – 56) 365446
Toxicity of inhaled ^{144}Ce in fused aluminosilicate particles in immature beagle dogs. V. (LF – 56) 365414, 365427, 365428
Toxicity of inhaled $^{238}PuO_2$ in beagle dogs. A. Monodisperse 1.5 μm $^{238}PuO_2$. B. Monodisperse 3.0 μm $^{238}PuO_2$ particles. III. (LF – 56) 362740
Toxicity of inhaled $^{239}PuO_2$ in immature, young adult and aged Syrian hamsters. IV. (LF – 56) 362732
Toxicity of inhaled ^{90}Sr in fused aluminosilicate particles in beagle dogs. VII. (LF – 56) 365458
Toxicity of inhaled ^{90}Y in fused aluminosilicate particles in beagle dogs. VIII. (LF – 56) 365440
Toxicity of inhaled ^{91}Y in fused aluminosilicate particles in beagle dogs. VII. (LF – 56) 365441
Toxicity of inhaled alpha-emitting radionuclides: an experimental approach. (LF – 56) 365430
Toxicity of inhaled polydisperse aerosol of $^{239}Pu(NO_3)_4$ in Syrian hamsters. II. (LF – 56) 362744
Toxicity of inhaled polydisperse or monodisperse aerosols of $^{238}PuO_2$ in Syrian hamsters. IV. (LF – 56) 362742, 362743
Toxicity of injected $^{137}CsCl$ in beagle dogs. IX. (LF – 56) 365443

Hobbs, G.
Clostridium botulinum in irradiated fish. 367673

Hobbs, L.W.
Application of high-resolution TEM to ceramic science. 373300
Experiments in high voltage electron microscopy. Progress report, October 31, 1976 – August 1977. (COO – 2119-19) 362542
HVEM studies of irradiation damage in oxides. (COO – 2119-20) 373369
Secondary defects in non-metallic solids. 351880

Hobbs, W.E. Jr.
Trapped particles and harmonic generation. (UCRL – 13727) 350868

Hobdell, M.R.
Electrochemical measurement of carbon potential in sodium – steel

systems. (CONF-760503 – P2) 358287
Fast reactor instrumentation development is aimed at a commercial plant. 358426
Hobson, D.O.
Cladding creepdown under compression. (CONF-771126 – 2) 374203
Hocepied, R.
Automatic regulation of the level of steam generators in PWR nuclear power plants. 363397
Hocheid, B.
Structural transformations in the electron beam welded heat affected zone of titanium beta III alloy. 378750
Hochhaeuser, E.
Some remarks concerning the tissue-air-ratio (TAR) in the case of bilateral total body irradiation. 376254
Hochreiter, L.E.
FLECHT-SET systems: systems effects on reflooding behavior. 376535
Hochschild, G.
Operation experiences with the test section of a superconducting heavy ion post accelerator. 363252
Hochstrasser, R.M.
High-resolution optical spectroscopy and laser isotope enrichment of matrix-isolated s-tetrazine in argon. 378243
Hochweller, G.
PETRA control system. 363228
Hockaday, T.D.R.
Radiation and growth hormone deficiency. 349759
Hockenbury, R.W.
^{238}U(n,f) measurements below 100 keV. 356885
Neutron capture and transmission measurements on ^{95}Mo, ^{97}Mo, ^{133}Cs and ^{143}Nd. (BNL-NCS – 22500) 356785
Operational safety system reliability. Final report, November 15, 1975 – November 14, 1976. (COO – 2825-8) 379607
Reliability course for nuclear engineering students. 379608
Reliability models for plant protection systems. (CONF-761001 – P2) 362950
Hodan, B.
Chemical mining equipment for leach pumping from the bore. (Czechoslovak patent document 155642/B/) 378857
Hodge, C.V.
Calculations of radiological consequences from sabotage of shipping casks for spent fuel and high-level wastes. (PB – 267377) 360685
Hodge, P.E.
Variations in the circular polarization of extragalactic radio sources at 8 GHz. 364339
Hodge, S.B.
Experimental measurements on a 25 MeV reflexotron. 363340
Hodge, V.F.
Polonium and plutonium in an intertidal food chain. 357628
Hodge, W.L. Jr.
Multielectron transitions following heavy ion excitation: a comparison of self-consistent field calculations with experiment. 353270
Hodgens, H.F.
Analysis of cadmium in high alpha solutions. (DPSPU – 77-30-7) 362124
Hodges, C.J. Jr.
Operator tasks. (EPRI-SR – 28) 352500
Hodges, N.D.M.
The sensitising effect of a sunscreening agent, p-aminobenzoic acid, on near UV induced damage in a repair deficient strain of Escherichia coli. 360240
Hodges, T.A.
The TRIUMF thermal neutron facility as planned for operation by 1978. (TRI – 77-1) 360710
Hodgkinson, J.
Safeguarding on-power fuelled reactors – instrumentation and techniques. (AECL – 5712) 361214
Safeguarding on-power-fuelled reactors. Instrumentation and techniques. 371293
Hodgson, P.
Elementary particles probe the nucleus. 366849
Hodgson, P.E.
Behaviour of single-particle states and their eigenvalues near zero energy. 359418
Microscopic optical model analyses of proton and neutron elastic scattering cross sections. 377912
Optical model potential and nuclear density distributions. 356607
Hodgson, W.M.
Thermophysical measurements on liquid metals above 4000 K. (UCRL – 78782) 359984
Hodons, M.F.
Study of the reactions $\pi^+p \rightarrow \pi^0\Delta^{++}(1236)$, eta Δ^{++} (1236) and eta'Δ^{++} (1236) at 16 GeV/c. 372526
Hodous, M.F.
The effect of resonance production on angular correlations. 353935
Hodsagi, E.
Activation analysis of trace elements in tomatoes. 372931
Hodulak, L.
Experimental investigations of fracture spreading in thick-walled components. 354520
Growth characteristics of part-through cracks in thick-walled plates and tubes. 351809
Hodzic, A.
Cylindrical prestressed concrete pressure vessel for a nuclear power plant. (German (F.R.) patent document 2518357/A/) 358255
Design concept of the 3x360-MW(e) HHT reference nuclear power plant. 379680
Device and method for localizing and plugging leaking tubes of a straight-tube type heat exchanger. (German (F.R.) patent document 2503260/A/) 355283
Layout and arrangement of a PNP prototype plant. 370957
Pipe connection for high pressure and temperature loads. (German (F.R.) patent document 2452770/A/) 355143
Hoe, S.
Energy degradation in elastic-collision spikes. (INIS-mf – 3996) 363983
Hoebe, J.C.
Recent results of a local blockage experiment in a sodium cooled electrically heated bundle. (CONF-761001 – P4) 362898
Hoebel, W.
Reactor theory and physical experiments. (KFK – 1277/2) 370795
Hoeberling, R.F.
Electrostatic collective ion acceleration in the evacuated drift tube geometry. 363253
Hoechst, H.
X-ray photoemission investigation of the density of states of simple metals. 355994
Hoeck, A.
Changes in trace element concentrations in human serum after parenteral application of amino acids. 369525
Comparative studies of different labelled fatty acids for heart muscle metabolism. (INIS-mf – 4010) 360327
Model analysis of several methods used in nuclear medicine for the measurement of myocardial perfusion. (INIS-mf – 4010) 362838
A new radiocardiographical method for continuous measurement of heart volume changes during excercise. (INIS-mf – 4010) 362819
sup(99m)Tc and ^{131}I labelled human serum albumin millimicrospheres for investigation of the reticuloendothelial system. (INIS-mf – 4010) 367639
17-^{123}I-heptadecanoic acid for non-invasive investigation of myocardial metabolism. (INIS-mf – 4010) 357608
Hoeck, A.D.
A new radiocardiographical method for continuous measurement of heart volume changes during excercise. (INIS-mf – 4010) 362819
Hoecker, K.H.
Energy – environment – economy. (AED-Conf – 77-139-010) 370569
Energy – environment – economy. Pt. 1. 370567
Energy – environment – economy. Pt. 2. 370568
Energy – environment – economy. Pt. 3. 371229
Hoeden, R. van der
Correlation between scintigraphy, echography and computed tomography in the diagnosis of pancreatic diseases. (INIS-mf – 4010) 357686
Hoefer, E.
Process and circuiting arrangement for the conversion of analog signals to digital signals and digital signals to analog signals. (German (F.R.) patent document 2543608/A/) 361090
Hoefer, R.
Comparison of concentration rates of calcium and pyrophosphates in bone. (INIS-mf – 4010) 357619
Extraction of Tc-sulfur-colloid and liver and spleen uptake in patients with chronic diseases of the liver parenchym and neoplasms. (INIS-mf – 4010) 367685
Regional lung function measured with ^{133}Xe in patients with provoked bronchial spasms. (INIS-mf – 4010) 370471
Hoefert, M.
A rapid method for the determination of dose equivalent in mixed radiation fields. 363586
Hoeft, J.
On the hyperfine structure in the rotational spectrum of CuI. 355907
Hoegaasen, H.
Baryonium states in multiquark spectroscopy. 372463
A model for baryonium. (RL – 77-144/A) 375031
Strings, bags, and baryoniums. (RL – 77-121/A) 359265
Hoegagsen, H.
Strings, bags, and baryoniums. 377713
Hoegfeldt, J.M.
Microstructural science. Volume 4. 354461, 354553, 354597, 355426
Hoegl, A.
Measuring technology and data processing in a pen dosimeter evaluation unit. 357847
Hoehlein, G.
Treatment of low- and medium-activity wastes. (AED-Conf – 77-389-001) 376755
Hoehn, J.G.
Dacryoscintigraph evaluation of the repaired lacrimal drainage system. 352105
Hoehne, J.
Temperature dependence of the k = O optical phonons of Bi and Sb. 353436
Hoejsholt-Poulsen, L.
The GT matrix elements in the decay of the mirror nuclei ^{47}Cr, ^{51}Fe and ^{55}Ni. 354210
Hoekstra, A.
Radionuclide evaluation of bone maturation in patients with para-osteo-arthropathy (P.O.A.). (INIS-mf – 4010) 357691
Hoekstra, B.
Origin of the uniaxial anisotropy in thin films of $(YLaPB)_3(FeGa)_5O_{12}$ and its variation along the growth direction. 365195
Hoekstra, C.
Timing experiments and burst suppression at the V.U. AVF-cyclotron. 357970
Hoekstra, E.K.
Fast reactor programme. (ECN – 22) 355464

Hoekstra, H.R.
The crystal structure of lithium uranate. 368784
Some ternary oxides of neptunium and plutonium with the alkali metals. 369741
Thermochemistry of uranium compounds. 351539
Hoekzema, J.A.
Influence of predischarge conditions in SPICA. (INIS-mf – 3963) 371976
Local electron density measurements in a screw pinch by means of a Michelson interferometer. (Rijnhuizen – 76-96) 356113
Hoellt, V.
Inability of naloxone to change brain morphine levels in tolerant mice. 362809
Hoeltz, G.
Radiobiological investigations of cosmic HZE-particles with visual track detectors in the biostock experiment. 362699
Hoene, E.
Flow rate measuring techniques and their application. 366050
Hoenen, F.
Experimental investigations of the stability of a belt-pinch to vertical displacements. (INIS-mf – 3963) 371872
Hoenes, G.R.
Age-specific radiation dose commitment factors for a one-year chronic intake. (NUREG – 0172) 379062
Hoenig, C.
Hydrodynamic modeling and explosive compaction of ceramics. (UCRL – 79345) 362494
Hoenig, H.E.
Neutron spectroscopy of 0.6 meV crystal field transitions in doped superconductors. 369991
Short range Van Vleck antiferromagnetism in superconducting La/sub 1-y/Tb/sub y/Sn_3 detected by neutron scattering. 378644
Hoenig, M.O.
Supercritical helium cooled, cabled, superconducting hollow conductors for large high field magnets. 360626
Hoenl, H.
Some consideration on the thermodynamics of the universe. 353684
Hoentsch, E.
Possiblities of substoichiometric silver trace determination by a microliter method. 354293
Hoeper, C.J.
X-ray doses during roentgendiagnostic of the digestive tract. 370663
Hoeppner, E.
Status of mechanical testing of heat-affected zones. 370783
Hoer, G.
Adaptable digital filters in scintigraphy. (INIS-mf – 4010) 363598
Comparison of different methods for measurement of tubular clearance; PAH steady state method, whole-body measurements and compartment analysis of gamma camera mode renograms. (INIS-mf – 4010) 362803
Diagnostic value of renal clearance techniques using iodo-hippuran ^{131}I and sup(99m)Tc-DTPA. 352048
Double-radioisotope renal clearance measurement with a partially shielded whole-body counter for the determination of renal filtration fraction; methods and clinical results. (INIS-mf – 4010) 362731
A new method for the determination of renal clearance and estimated errors, using gamma camera measurements. (INIS-mf – 4010) 362828
On the value of ECG-triggered scintigraphy of the heart's cavity. (INIS-mf – 4010) 362808
Hoerl, E.M.
Improved detection system employing an elliptical mirror for the cathodoluminescence scanning electron microscopy. (SGAE – 2539) 374326
A video-amplifier device for the transmission-type electron microscope ELMISCOP I of Siemens. (SGAE – 2406) 358422
Hoertner, H.
Selected problems and results of the transient event and reliability analyses for the German safety study. (AED-Conf – 77-352-002) 365557
Hoerz, G.
Gases and carbon im metals (thermodynamics, kinetics, and properties). Pt. 2. 369965
Property changes of metals of the group-VA due to dissolved hydrogen, nitrogen, oxygen, or carbon. Pt. 3. 367249
Hoeschl, P.
Application of CdTe detectors in testing nuclear fuel enrichment. 368298
Hoesl, S.
Polarization effects in Moessbauer absorption of a $FeCl_2 . 4H_2O$ single crystal in an external magnetic field. 371686
Hoethker, K.
Experimental study of magnetic field diffusion in a high-plasma of a 7 m theta-pinch at low densities. (INIS-mf – 3963) 371891
Hoetjes-Eijkel, M.A.
Measurements of diffusion coefficients of ^{60}Co in the intermetallic compound CoGa. 348849
Hoetzl, H.
Measurement of actinides in samples from effluent air, primary coolant and effluent water of nuclear power stations in the Federal Republic of Germany. 355010
Hoeve, W. ten
Rapid synthesis and purification of carbon-11 labelled DOPA: a potential agent for brain studies. 375655
Hofemeister, J.
DNA repair in proteus mirabilis. Pt. 4. 352014
Hofer, G.
Nuclear fuel rod. (German (F.R.) patent document 2429447/A/) 355331
Hofer, H.
Search for the metastable 2s state in muonic hydrogen. 361331
Hofer, J.
Adaptable digital filters in scintigraphy. (INIS-mf – 4010) 363598
Problems of loss of image quality of gamma camera scintiscans due to digital display; solutions without increase of computer capacity. (INIS-mf – 4010) 363572
Hofer, K.E. Jr.
Static mechanical behavior of composites of metal-matrix B and SiC-coated B fibers. 362515
Hofer, W.O.
Investigation of collision cascades in solids by transmission sputtering of thin foils. 353403
Hoff, A.B.M.
Electron-phonon scattering in indium from r.f. size effect measurements. (INIS-mf – 4025) 353437
A KKRZ calculation on indium. 353481, 355987
Hoff, R.W.
New isotope of curium: ^{251}Cm. (BNL-NCS – 22500) 356829
Hoffer, G.I.
Superconductive bolometers for submillimeter wavelengths. 374004
Hoffer, P.
Comparison of whole-body-imaging methods. 373686
Hoffer, P.B.
Carbonyl iron (magnetic) suspensions labelled with technetium-99m. A potential radiopharmaceutical for improved radionuclide angiography and systemic blood flow determinations. 354846
Hoffman, A.
Status of laser solenoid fusion concept. 377430
Hoffman, A.R.
Measurements of the temperatures and magnetic field dependence of electrical resistivity and thermal conductivity in OFHC copper. 373242
Hoffman, C.C.
Transport experience with the NAC-1 radioactive materials shipping cask. 350034
Hoffman, D.C.
Radioactivity in the underground environment of the Cambric nuclear explosion at the Nevada Test Site. (LA – 6877-MS) 362574
Hoffman, E.J.
ECAT: a new computerized tomographic imaging system for position-emitting radiopharmaceuticals. (UCLA – 12-1132) 370447
Investigation of ^{18}F-2-deoxyglucose for the measure of myocardial glucose metabolism. (UCLA – 12-1142) 379114
Hoffman, H.J.
Cutoff Reggeon field theory. 371388
Hoffman, H.L.
Development of a record retention and retrieval system for the Baltimore Gas and Electric Company. 358138
Hoffman, J.A.
Dual character of the rapid burster and a classification of X-ray bursts. 374917
Hoffman, J.H.
Plasma bubbles and irregularities in the equatorial ionosphere. 351977
Hoffman, J.M.
Radiation coupling of Bernstein modes in a ring plasma. 350869
Hoffman, M.
A conceptual fusion reactor based on the high-plasma-density Z-pinch. 348921
Hoffman, M.A.
Electrostatic direct energy converter performance and cost scaling laws. (UCID – 17560) 356114
Plasma power balance models for self-sustained tokamak reactors. 348886
Research on the wetted first wall concept for future laser fusion reactors. Final report No. 2, February 1, 1976 – August 31, 1977. (UCRL – 13677-3) 377431
Hoffman, R.
Accelerating tube. (Soviet patent document 412699/A/) 355208
Hoffman, R.A.
Low-energy particle observations in the quiet dayside cusp from AE-C and AE-D. 367436
Hoffman, T.J.
Angular biasing of the collision process in multigroup Monte Carlo calculations. 372573
Monte Carlo method of solving heat conduction problems. (ORNL/NUREG/CSD – 3) 379428
Monte Carlo shielding calculations using event-value path-length biasing. 361948
Sputtering calculations with the discrete ordinated method. (CONF-771109 – 60) 377432
Hoffmann-Pinther, P.
The low-lying level structure of ^{87}Rb. 364692
Hoffmann, A.
CEASEMT system of finite element computer programs – use for inelastic analysis in liquid metal cooled reactor components. (IWGFR – 11) 355225
Inelastic piping flexibility analysis. A beam type method. (IWGFR – 11) 355232
Hoffmann, C.R.
Extraction system for the Chalk River superconducting heavy-ion cyclotron. 363254
Status of the Chalk River superconducting heavy-ion cyclotron. 363309
Hoffmann, D.
Measurement of muon-neutrino and -antineutrino scattering of electrons. 353961

Muonless π^0-production by muon-neutrinos and -antineutrinos. 353962
Hoffmann, D.H.H.
Analysis of x-ray spectra excited by x rays, electrons, and protons in monazite. 351322
Hoffmann, E.H.P.
Shut-down system for nuclear reactors. (German (F.R.) patent document 2608929/A/) 355348
Hoffmann, G.
Bone affinity of sup(99m)Tc-EHDP compared to other bone seekers. (INIS-mf – 4010) 362754
Kinetics of various sup(99m)Tc-Sn-pyrophosphate compounds in the rat. Pt. 2. 354408
Measuring Station Rheinhausen for heat exchange between atmosphere and rivers. (KFK – 2374) 360448
A numerical method for the modification of radioimmunoassay atandard curves in order to fix the mathematical functions that obey the reaction kinetic model. (INIS-mf – 4010) 362814
Hoffmann, G.W.
Position-sensitive gas proportional chambers. (LA-UR – 77-2438) 374347
Hoffmann, H.
e-p facility in the CERN SPS. 363160
Physics with very high energy e^+e^- colliding beams. (CERN – 76-18) 375013
Reactor technology. (KFK – 1277/2) 371061
Hoffmann, H.F.
Design concept for a 100 GeV e^+-e^- storage ring. 363161
Hoffmann, J.
Nuclear reactor facility. (German (F.R.) patent document 2430724/A/) 358079
Hoffmann, L.
Method for disposing radioactive resin wastes and the appropriate device. (German (F.R.) patent document 2531584/A/) 355640
Method for ultimate storage of radioactively contaminated filter cartridges or filter elements. (German (F.R.) patent document 2546428/A/) 355634
Hoffmann, P.M.
Directed crystallization as a method for concentrating of radioactive isotope. The study of S + ^{32}P system. 354363
Hoffmann, W.
Lead in radiation protection. 365717
Hoffmann, W.F.
Far-infrared emission from compact sources in NGC 2264 and the rosette nebula. 351020
Hoffmeister, N.
The fire course and consequences to be drawn from the fire in the Browns Ferry nuclear power station. (AED-Conf – 77-304-000) 357724
Hoffstedt, H.
Inconceivable events in handling material in a heavy mechanical engineering industry. (FTL – A16-71E) 379557
Hoffswell, R.A.
Status of MUSL-2: the second microtron using a superconducting linac. 363147
Hofman, G.L.
Irradiation enhanced creep in LMFBR fuel element cladding. 360093
Subassembly bowing experience in EBR-II. (CONF-770807 – 35) 368244
Hofmann, A.
The (d, dsub(1)) vector analysing power of the reaction ^{24}Mg(d,dsub(1)) and the Dsub(1-γ) angular correlation. 359521
Alpha-gamma angular correlations in the reaction ^{24}Mg(α,α$_1$γ) at Esub(α) = 104 MeV. 354181
Combined-function electron storage rings. 363256
e-p facility in the CERN SPS. 363160
Longitudinal bunch dilution due to rf noise. 363248
Longitudinal instabilities of bunched beams in the ISR. 363170
Measurement of beam stability and coupling impedance by rf excitation. 363255
The sun as a nuclear power station. 380084
Thermally induced convection of helium in a rotating frame. 360627
Hofmann, E.G.
Irradiation centre for industrial applications. 360587
Hofmann, F.
Effect of current peaking on non-circular uniaxial tokamak equilibria. 348883
Measurement of the poloidal configuration in the Lausanne belt pinch. (INIS-mf – 3963) 371985
Measurement of the poloidal magnetic configuration in the Lausanne Belt-Pinch. 377328
Hofmann, G.A.
Switching devices for fusion reactors. (EPRI-ER – 376-SR) 361560
Hofmann, H.
Dependence of quenching cross sections (Na* (3p) + mol) on the atomic polarisation. 353266
Dependence of quenching cross sections (Na*(3p)+mol) on the atomic polarisation. 377035
E-V-R energy transfer spectroscopy for quenching of laser excited Na-atoms by simple molecules. 353267, 377036
Forces between heavy nuclei in the independent-particle model. 354074
Functional testing of safety and relief valves in Karlstein. 370807
Statistical fluctuations and the double differential cross section for energy and angle in deep inelastic reactions. 375101
Hofmann, I.
Crossing of resonance in a relativistic electron ring with discrete and continuous eigenvalue spectrum. (IPP – 0/35) 357966
Hofmann, J.
Diffraction dissociation in the reaction pp→pΛK$^+$ at 12 and 24 GeV/c. 353969
Inclusive π^0 production in π^+p interactions at 16 GeV/c. 366818
Strange particle production in three- and four-body final states of 16 GeV/c π^+p reactions. 353944
Hofmann, P.
Does iodine influence the deformation and fracture behaviour of Zry-4 cladding tubes during LWR accidents. 370882
Friction and wear behavior of bearing materials and protective layers with regard to their application possibilities in water cooled nuclear reactors. (BMFT-FB-K – 77-13) 375840
Investigations of the influence of oxide fuel and fission products on the mechanical properties of Zry-cladding tubes under accident conditions. (KFK – 2435) 358189
On the mechanical stress of Zr, Zry, and other materials due to the formation of oxide layers. (KFK-EXT – 6/77-2) 354521
Reaction behaviour of reactor materials, including concrete during core meltdown. (AED-Conf – 76-699-010) 360449
UO_2/Zry reactions in power cooling mismatch accidents. 370889
Hofmann, R.
Evaluation of explicit finite-difference techniques for LMFBR safety analysis. (CONF-761001 – P3) 365520
Simulation of the thermomechanical response of Project Salt Vault. Final report. (Y/OWI/SUB – 77/16519/1) 374459
Waste heat utilization of nuclear power stations. 368421
Hofmann, S.
Composition profile broadening in the sputtering of thin layers. 368801
Range and range straggling of heavy ions in solids. 364774
Hofmann, W.
Dose calculations for infants and youths due to the inhalation of radon and its decay products in the normal environment. 370649
Muon spin orientation (μSR) in ferromagnets and semiconductors. 377193
Muon spin rotation (μSR) in α-Fe_2O_3. 377194
Muon spin rotation (μSR) in Gd. 378630
Muonium states in silicon. 377195
Observation of jet structure in high psub(T) events at the ISR and the importance of parton transverse momentum. 353956
Hofmoki, T.
High multiplicity π^-d interactions at 21 GeV/c. 356503
Hofmoki, T.
Impact parameter analysis of the reaction π^-p→p$\pi^+\pi^-\pi^-$ at 9 and 12 GeV/c with very fast secondary proton. 356510
Hofstadter, R.
Elastic cross sections for e + ^{40}Ca at 757.5 MeV. 364744
Hofstaetter, A.
Identification of thermoluminescence traps in $CaWO_4$ and $BaWO_4$ by EPR measurements. 364035
Hofstetter, A.
Morphological changes on the urinary bladder wall of the rabbit after Argon laser radiation. 352037
Hofstetter, K.R.
Detection of bronchopleural-subarachnoid fistula by radionuclide myelography: case report. 373661
Hofstra, P.
Description of non-deformed odd nuclei. (INIS-mf – 4267) 377896
Hoftiezer, J.H.
A binary encoded position-sensitive scintillation hodoscope. 371104
Hogan, J.T.
Free-expansion experiment on ATC. 371878
Tokamak transport simulation models. 361561
Hogan, L.M.
Peritectic transformation. 362460
Hogan, P.A.
On Sachs' Lemma in general relativity. 368549
Hogel, J.
Determination of neutron spectrum in SR-O reactor by activation technique. 371105
Hogerton, J.F.
Assessment of the United States uranium supply outlook, short and intermediate term (1977 – 1996). (PB – 266647) 362575
Disturbing conflict of views on uranium supplies. 361162
U.S. uranium requirements. 358559
U.S. uranium supply outlook. 358560
Hogervorst, W.
High resolution spectroscopy with tunable pigment lasers. (INIS-mf – 4267) 377149
Hogg, C.H.
CFRMF neutron flux gradient and spectral determinations. (HEDL-TME – 75-130) 351413
Hogg, H.A.
Microwave developments at SLAC. 363216
Hogg, J.H.C.
Indium polytelluride In_2Te_5(II). 370069
Hogg, J.L.
Catalytic proton bridge in acetylimidazolium ion hydrolysis implicated by a proton inventory. 357021
Hoglund, B.M.
Nuclear power security problems and solutions. 352308
Hoglund, R.L.
Laser cost experience and estimation. (K/OA – 4038) 367867
Hogroian, P.
Demand and supply estimates for the nuclear fuel cycle. 366161
Hogstrom, K.R.
Dosimetry of pion therapy beams. 352351
Hohban, K.J.
Counterstreaming electron beam profile and position monitor.

363341
Hohimer, J.P.
Intracavity selective absorption spectroscopy as an analytical technique for iodine radioisotope detection. (SAND – 76-9316) 351968
Hohl, F.
Georgia Institute of Technology research on the gas core actinide transmutation reactor (GCATR). (CONF-760646 –) 374241
UF_6 breeder reactor power plants for electric power generation. (CONF-760646 –) 374265
Uranium plasma emission at gas-core reaction conditions. (CONF-760646 –) 374147
Hohla, K.
The development of a high-power iodine laser in plasma physics institute in Garshing, GFR. 361426
Hohlfeld, W.
Nuclear questions. (INIS-mf – 4150) 367759
Hohmann, E.
Chromatographic separations of the rare earth. 349167
Hohmann, H.
Simulation of the thermal fuel/coolant reaction in laboratory tests for water-cooled reactors. 370880
Hoinkes, H.
Experimental evidence of channel coupling in the diffraction of gas atoms from crystal surfaces. 368802
Hojman, S.
Electromagnetism in terms of its two degrees of freedom. (IC – 76-84) 361266
Hojo, H.
Theory for stationary nonlinear wave propagation in complex magnetic geometry. (IPPJ – 300) 377565
Hojo, Junichi
Zirconium-nitride powders by the vapor phase reaction of $ZrCl_4$-NH_3-H_2-N_2 system. 354359
Hojou, K.
Some applications of ions beam sputtering to high resolution electron microscopy. 364036
Hojvat, C.
Injection methods in the Fermilab booster. 363197
Measurement of the polarization parameter for antiproton-proton annihilation into charged pion and kaon pairs between 1.0 and 2.2 GeV/c. 353949
201-GeV/c proton-proton elastic scattering at large momentum transfer. 366888
Hokimoto, Ichiro
Popular participation and public hearing by construction of nuclear power plants. 373827
Holan, P.
Nuclear reactions on heavy deformed nuclei as studied at the Department of Nuclear Physics, Faculty of Mathematics and Physics, Charles University. 354208
Holan, S.
Alpha decay of heavy and superheavy nuclei. 356593
Recent results of the alpha-decay of spherical nuclei. 376913
Holborow, E.J.
Immune complexes and abnormal liver function in haemophilia. 373616
Holcenberg, J.S.
Kinetics of uptake and activity in mouse liver of glutaminase coupled to desialated orosomucoid. 373624
Holcman, J.
Conversion of hydroxycyclohexadienyl radicals of methylated benzenes to cation radicals in acid media. 357178
Dissociation of the OH adduct of N,N-dimethylaniline in aqueous solution. 365060
Holcomb, W.F.
Summary of shallow land burial of radioactive wastes at commercial sites between 1962 and 1976, with projections. 380051
Holcombe, C.E.
New yttria plasters. (Y – 2104) 378769
Solubility of yttrium in uranium at 1700 K. 354503
Holcombe, C.E. Jr.
Crucible materials to contain molten uranium. (Y – 2084) 362354
Holdaeva, O.V.
The role of dry electrons in positronium formation in polar liquids. 359772
Holden, N.E.
Reference nuclear data for space technology. 377594, 377832
Holden, T.M.
Spin waves and central modes in crystal field systems. 378645
Holder, J.
Fabrication and irradiation performance of French HTGR fuel. 368178
Holder, M.
Charged particle multiplicity distributions in pp collisions at ISR energies. 356525
Charged particle multiplicity distributions in pp-collisions at ISR energies. 353996
A detector for high-energy neutrino interactions. 379899
Is there a high-y anomaly in antineutrino interactions. 351222
Like-sign dimuon events produced in narrow-band neutrino and antineutrino beams. 356512
Measurement of the neutral to charged current cross section ratio in neutrino and antineutrino interactions. 361888
Observation of a neutrino event with four energetic muons. 372525
Observation of trimuon events produced in neutrino and antineutrino interactions. 356511
Study of inclusive neutral current interactions of neutrinos and antineutrinos. 369377
Holder, N.
Reprocessing yields and material throughput: HTGR recycle demonstration facility. (GA-A – 14320) 365104
Holder, T.K.
Thermal conductivity, electrical resistivity and Seebeck coefficient of high purity iron and selected iron alloys from 90 K to 400 K. (TID – 27707) 365156
Holdoway, K.A.
Petrofabric changes in heated and irradiated salt from Project Salt Vault, Lyons, Kansas. (ORNL/SUB – 3484/4) 374433
Holdridge, D.B.
KSPTH: a subroutine for the K shortest paths in a sabotage graph. (SAND – 77-1165) 366196
SPTH3: subroutine for finding shortest sabotage paths. (SAND – 77-1060) 363731
Hollabaugh, C.M.
Chemical vapor deposition of tantalum on graphite cloth for making hot pressed fiber reinforced carbide-graphite composite. (LA-UR – 77-1261) 351863
Chemical vapor deposition of zirconium carbide alloyed isotropic carbon in a fluidized bed. (LA-UR – 77-1064) 351665
Chemical vapor deposition of ZrC made by reactions of $ZrCl_4$ with CH_4 and with C_3H_6. 365196
Irradiation test OF-2: high-temperature irradiation behavior of LASL-made fuel rods and LASL-made coated particles. (LA – 6988-MS) 374229
Hollaender, W.
Device to measure the size distribution and number of small particles. (German (F.R.) patent document 2544576/A/) 376706
Holland, D.
Scattering of 14.1 MeV neutrons by potassium and lithium. 351247
Holland, J.W.
The development of the HTR direct cycle. 379687
Holland, L.
Measurement of oxygen content of uranium oxide fuel and steel. (IEA – 425) 354285
The preparation and properties of amorphous carbon films grown under ion impact in an r.f. discharge. 368862
Sputtering and chemical etching of carbon in a dc glow discharge. 358897
the growth characteristics and properties of hard carbon films grown under ion impact. 377257
Holland, L.B.
Health physics research reactor. (ORNL – 5171) 367490
Holland, O.W.
Well-channeled ions with greater-than-random energy loss rates. (INIS-mf – 3995) 377155
Holland, P.G.
Blowdown into full-pressure containment. 376521
Effect of air content and mass inflow on the pressure rise in a containment during blowdown. (INIS-mf – 4200) 376492
Pressure vessel blowdown into full pressure containment. (INIS-mf – 4081) 368023
Holland, R.E.
Channeling of positive and negative pions in a silicon crystal. (CONF-770931 – 5) 375092
Hollander, F.J.
Molecular and crystal structure of squaric acid (3,4-dihydroxy-3-cyclobutene-1,2-dione) at 121 °C: A neutron diffraction study. 369636
Hollander, R.W.
Measurement of the duration of material in a double screw extruder using isotopes. (INIS-mf – 4267) 379420
Hollas, C.L.
nD scattering at 180° for neutron energies from 200 to 800 MeV. (LA-UR – 77-1938) 361876, 369358
Hollatz, R.
Influence of whole-body X-ray irradiation and 2,4,6-triethyleneimino-1,3,5-triazine on the hypnotic effect of hexobarbital in mice. 365380
Holleck, H.
Constitution and reaction behavior of LWR materials at core melting conditions. (KFK – 2435) 357781
Influence of chemical reactions on the course and consequences of LWR core meltdown. 370570
The interaction of a core melt with concrete. (AED-Conf – 77-403-001) 370605
On the influence of precipitations on the hardness of hard materials. (KFK-EXT – 6/77-1) 351828
On the structure of the system V-(Fe, Co, Ni)-N. (KFK-EXT – 6/77-1) 351824
Reaction behaviour of reactor materials, including concrete during core meltdown. (AED-Conf – 76-699-010) 360449
The reaction behaviour of the heavy platinum metals Os, Ir and Pt with high-melting carbides. (KFK-EXT – 6/77-1) 351829
Structure, preparation and properties of refractory compounds and systems (hard materials and hard metals). (KFK-EXT – 6/77-1) 351768, 351823, 351824, 351828, 351829, 351833, 351834, 351835, 351842, 365202, 365203
Holleman, T.J.
Radioisotope power sources in the terrestrial and marine environment. 373942
Hollen, R.M.
Evaluation of the LASL automated spectrophotometer for uranium determination at submilligram levels. (LA – 6867) 351442
Hollenbach, D.J.
Vibrationally excited molecular hydrogen in Orion. 359097
Hollenberg, G.W.
Tritium release from fast neutron irradiated boron carbide. (HEDL-SA – 1164FP) 362534

Hollenstein, C.
Experimental study of the propagation of ion acoustic solitons in a warm multi-ion plasma. 359033
Hollenstein, Ch.
Experimental study of the propagation of ion acoustic soliton in a warm multi-ion plasma. 377558
Tubulence spectrum of the ion acoustic wave in a large volume plasma. 356127
Holler, D.
A cementing technique for joining acrylic pieces of small surface area. 363554
Holler, E.
Modification of L-isoleucyl-tRNA synthetase with L-isoleucyl-bromomethyl ketone. 360398
Holley, W.R.
Quarks with unit charge: a search for anomalous hydrogen. 372349
Holliday, J.
Quality assurance for HTR fuels. 376536
Hollingbery, D.R.
Integrity of P/M forged Ni – Mo steels determined by fracture toughness. 362438
Hollinger, G.
Color in "tungsten trioxide" thin films. 360013
Hollis, H.D.
Utilization of fission products in thermal systems. 373943
Hollister, C.D.
Oceanographic processes and the ultimate disposal of high-level radioactive waste. 352875
Hollister, R.A.
Technical note: a comparison of chi/Q estimates at the 5% probability level. 365607
Holloway, D.M.
Interaction of scandium dideuteride with reactive gases. 359615
Holloway, F.W.
Automatic alignment system for the twenty beam shiva fusion laser. (UCRL – 80249) 377352
Holloway, N.J.
Angular momentum and energy loss from pulsars. 356251
Holloway, R.W.
25 megajoule energy storage and delivery system for the Shiva laser. (UCRL – 79700) 374819
Holloway, W.
Interactions of LMFBR core debris with concrete. (CONF-761001 – P4) 362857
Studies of the formation and cooling of particulate fuel debris beds in sodium. (CONF-761001 – P4) 363016
Holm, D.
Studies for a comparison of the maximum possible consequences of accidents in a reprocessing plant and a nuclear power station. 351684
Holm, E.
Method for multi-element alpha-spectrometry of actinides and its application to environmental radioactivity studies. 364876
Radiochemical studies of ^{241}Pu in Swedish reindeer lichens. 365431
Holm, E.R.
Possibility of S/sub N/2 reactions at nitrogen. Catalytic H-D exchange in a melt. 378299
Holm, G.
Inconceivable events in handling material in a heavy mechanical engineering industry. (FTL – A16-71E) 379557
Holm, J.S.
Review of short-term fission-product-decay power. 362868
Holm, R.
Auger microanalysis in the scanning electron microscope. (AED-Conf – 77-283-005) 366022
Holm, U.
A compact versatile beam steering unit. 357945
Yield and production of ^{18}F by ^{3}He irradiation of water. 357860
Holman, B.L.
A ^{178}W-^{178}Ta generator system. (INIS-mf – 4010) 357109
Radionuclide left ventriculography with the slant hole collimator. 352118
Radiopharmaceuticals for acutely damaged myocardium. II. Synthesis and evaluation of [^{203}Hg] hydroxymercurifluoresceins. 352103
Scintigraphic demonstration of acute myocardial infarcts. 379145
Tomographic scintigraphy of regional myocardial perfusion. 357641
Holman, C.J.
Maintenance inspection of large fillet welded structures in pressure vessels. 365786
Holman, M.
Stilbene crystal scintillation spectrometer. 350303
Holman, R.J.
Cooling device for rotors of multistage axial steam turbines. (German (F.R.) patent document 1551184/C/) 350131
Holman, R.R.
Fusion-driven actinide burner design study. Second quarterly progress report. (WFPS-TME – 024) 366516
Holmberg, L.
Measurements of γ-γ and γ-electron directional correlations in ^{119}Sb. 364742
Holmberg, M.
Lack of effect on the chromosomal non-disjunction in aged female mice after low dose x-irradiation. 373547
Holme, A.E.
A detailed study of the quadrupole mass filter operating with no d.c. component on the rods. 379977
Holmen, G.
Secondary electron emission from polycrystalline copper bombarded by ions. (INIS-mf – 3996) 364037
Holmes, A.J.T.
Space charge neutralization of ion beams. (INIS-mf – 3963) 371892
Holmes, D.K.
Sputtering calculations with the discrete ordinated method. (CONF-771109 – 60) 377432
Holmes, J.A.
Description of the drift flux model in the LOCA codes RELAPUK. 376514
Development of the bubble rise model in RELAP-UK. (AEEW-M – 1540) 376304
The drift flux correlation in RELAP-UK. (AEEW-R – 1143) 370710
Plasma engineering considerations for a medium-field ignition test reactor. 377509
The status of RELAP-UK Mk III at July 1976 – a program for transient thermal-hydraulic analysis. (AEEW-R – 1083) 370705
Holmes, J.A.G.
Fast reactor fuel design and development. 368034
Holmes, J.D.
Josephson junction technology program. Phase I. Final report 4 Oct 1976 – 21 Apr 1977. 360609
Holmes, J.J.
U. S. programs on reference and advanced cladding/duct materials. (HEDL-SA – 1175) 368197
Holmes, J.K.
Direct observation of multiphoton processes in laser-induced free-free transitions. 350692
Holmes, J.T.
Operating experience with experimental breeder reactor-II (EBR-II). 379843
Holmes, L.G.
Gingival inflammation assessed by histology, ^{3}H-estrone metabolism and prostaglandin E_2 levels. 373607
Holmes, R.J.
New thermoluminescence techniques for mineral exploration. 375997
Holmes, R.L.
Construction and commissioning of the Hinkley Point 'B' and Hunterston 'B' boilers. 352706
Holmes, S.D.
Electroproduction of phi mesons. 359337
Holmgren, A.
Solvent effects and activation parameters for the isotopic exchange reaction between lithium bromide and butyl bromide in acetone-water mixtures. 354334
Holmgren, S.O.
Mechanisms in anti pp annihilation. 369390
Study of the reaction anti pp → anti pωp at 9.1 GeV/c. 372537
Holmlid, L.
Molecular beam surface ionization detection. II. 354522
Holmqvist, B.
Experimental study of the prompt fission neutron spectrum induced by 0.5-MeV neutrons incident on uranium-235. 362073
Holmstrom, H.L.O.
Effects of RELAP4/MOD5 modeling of the LOFT pressurizer. 352801
Posttest RELAP4 analysis of LOFT experiment L1-4. (TREE-NUREG – 1183) 374276
Holoway, C.F.
Analytic dosimetry. (ORNL – 5171) 367539
Guide to radioactive waste management literature. (ORNL – 5226) 366070
Holroyd, R.A.
Equilibrium reactions of excess electrons with aromatics in non-polar solvents. 364959
Zero-field mobility of excess electrons in dense methane gas. 368509
Holroyd, R.J.
A theoretical study of the effects of wall conductivity, non-uniform magnetic fields and variable-area ducts on liquid-metal flows at high Hartmann number. 371612
Holsan, B.
Design and performance of static excitation systems for big turboalternators in nuclear power plants. 379561
Holsapple, C.
Discriminant analysis of characteristics determining acceptance of rejection of nuclear power. (PB – 267664) 363445
Holsapple, C.W.
Computerized planning system for nuclear power plant evaluation. (PB – 267663) 363423
Holsinger, R.F.
Accelerating and focusing structures for PIGMI. (LA-UR – 77-1545) 363354
Holstein, B.R.
Analysis of nuclear β^+ decay using longitudinal polarization measurements. 364509
Analysis of the recoil ion spectra for the β-decays of ^{16}He, ^{19}Ne and ^{35}Ar. 372630
Limit on Fierz interference in nuclear beta decay. 359406
Resource Letter WI-1: Weak interactions. 366850
Holt, A.
Hydrodynamic modeling and explosive compaction of ceramics. (UCRL – 79345) 362494
Holt, A.E.
Characterization of defects in thick walled pressure vessels using acoustical holography. 365780
Holt, B.R.
Proposed outline of safety analysis report for facilities for geologic isolation of radioactive wastes. (Y/OWI/SUB – 77/22320) 358539

Holt, F.E.
FFTF fuel failure detection and characterization by cover gas monitoring. Final report. (HEDL-SA – 1183) 358319
Method of detecting leakage of reactor core components of liquid metal cooled fast reactors. (US patent document 4,033,813/A/) 374250
On-line radiometric analysis of FFTF's cover gas: basic analytical features. (CONF-760503 – P2) 352795
Holt, N.L.
Fracture and fatigue of high strength filaments. Final report, September 25, 1974 – August 30, 1975. (UCRL – 13734) 365222
Holt, P.D.
The spark counting of etched fission-fragment tracks in polycarbonate for a personal neutron dosimetry system. (AERE-R – 8844) 366021
Holt, R.
Anisotropy in the Compton profiles of Nb and NbHsub(0.76). 350767
Holt, R.J.
Direct and resonance photoneutron reactions of ^{17}O. (BNL-NCS – 22500) 356818, 378028
Distribution of M1 strength in ^{208}Pb. (ANL – 77-60) 378029
High resolution study of the $^{208}Pb(\gamma,n/sub\ o/)^{207}Pb$ reaction. (BNL-NCS – 22500) 356786
Table of differential polarization coefficients for (gamma,particle) reactions. 351294
Holt, R.S.
Compton scattering with synchrotron radiation. 364038
Holt, S.
Evidence for a 17d periodicity from Cyg X-3. (CONF-7510169 –) 364340
OSO-8 GSFC results on Cen X-3. (CONF-7510169 –) 364411
OSO-8 X-ray observations of AM Herculis. 359168
OSO-8 x-ray observations of AM Hersoulis. (N – 77-27050) 377656
Holt, S.S.
Absence of detectable X rays from supercluster candidate 4UO134-11. 356304
A1540-53, an eclipsing x-ray binary pulsator. (N – 77-24025) 361669
The case for a burst from 3UO614 + 09. 372283
Cosmic x-ray observations with OSO-8. (CONF-7510169 –) 364404
Early light curve of A0620-00. (CONF-7510169 –) 364349
Her X-1 spectral evidence for a strong magnetic field. (CONF-7510169 –) 364285
High resolution measurements of Cyg X-1 from rockets. (CONF-7510169 –) 364397
Long-term x-ray studies of Sco X-1. (CONF-7510169 –) 364342
New results from long-term observations of Cyg X-1. (CONF-7510169 –) 364341
Observation program for the GSFC cosmic x-ray spectroscopy experiment. (CONF-7510169 –) 364279
OSO-8 observations of Hercules X-1. (CONF-7510169 –) 364394
Spectral characteristics of 3U1915-05, a burst source candidate. (N – 77-24026) 361670
X-ray spectra of Hercules X-1. 1. Iron line fluorescence from a subrelativistic shell. (N – 77-19962) 361727
X-ray spectra of Hercules X-1. 2. Intrinsic beam. (N – 77-19963) 361728
X-ray spectra of Hercules X-1. II. The pulse. 359150
The 39-d period in Cyg X-1. 359181
Holtbecker, H.
Simulation of hypothetical core disruptive accidents in vessel models. (CONF-761001 – P3) 365544
Holte, G.
Transfer of nuclear technology: experience of an R and D organization in a small country. 352556
Holthuizen, A.
Spectroscopy of ^{39}Ar with the $^{36}Sn(\alpha,n)$ and $^{38}Ar(d,p)$ reactions. (INIS-mf – 4267) 378065
The transient magnetic field at low ion velocity. (INIS-mf – 4267) 378049
Holthuizen, D.J.
A search for the I peak at 2.60 GeV/c^2 in 12 GeV/c anti pp interactions in the CERN 2m HBC. 377781
Holtz, R.E.
Final report on TREAT Test R3, a single-pin loss-of-flow experiment. (ANL – 77-54) 379251
Summary and evaluation of R-series loss-of-flow safety tests in TREAT. (CONF-761001 – P4) 363018
Holtzberg, F.
Low temperature specific heat of Sm/sub 1-x/Y/sub x/S. 362519
Holub, E.
Evidence for a rotational band in ^{24}Mg and its fragmentation: A rotation-vibration coupling. 372730
Holub, F.
Studies on the behaviour of zirconium carbide and silicon carbide claddings to simulated fission products. 370087
Holub, R.
Formation of ^{24}Na in 'fission-like' reactions. 354209
Holub, R.F.
Continuous working level monitor. (HASL – 325) 378904
Holusova, J.
Extraction separation of Eu, Gd and Yb from biological material by some tertiary and quarternary ammonium salts. (INIS-mf – 4143) 372999
Rare earth separation from biological material by extraction with di-(2-ethylhexyl)-phosphoric acid. (INIS-mf – 4143) 372995
Holynski, R.
Inclusive data in proton-nucleus collisions at 67, 200, and about 3000 GeV. (INP – 872/PH) 375063
Holz, P.P.
Test of 6-in.-thick pressure vessels. Series 4: intermediate test vessels V-5 and V-9 with inside nozzle corner cracks. (ORNL/NUREG – 7) 358196
Holzapfel, G.
Exoemissive properties of a mixture of aluminium oxides in α and β phases: dosimetry applications. 355571
Holzapfel, W.B.
A TDPAC high-pressure study of the electric-field gradients at tantalum in ω-zirconium. 375821
Holzer, P.
Inelastic Coulomb scattering of conduction electrons in $(LaPr)Sn_3$. 378654
Holzer, R.
Nuclear fuel in water reactors: Manufacturing technology, operational experience and development objectives in the Federal Republic of Germany. 365826
Holzer, T.E.
Neutral hydrogen in interplanetary space. 366707
Holzgraf, J.F.
Postirradiation examination and evaluation of Peach Bottom fuel test element FTE-6. (GA-A – 13943) 374230
Postirradiation examination of Peach Bottom fuel test element FTE-4. (GA-A – 13452) 365957
Holzhauer, E.
Forward scattering at 10.6 μ using light mixing to measure the ion temperature in a hydrogen arc plasma. 353562
Holzhauser, W.
Orientation-dependent forces between flux lines and crystal lattice in pure niobium. 351762
Holzhey, J.
Current status of isotope utilization in mining and ore processing. 373961
The ISW-1 "Oleandr" air pollution meter. 373948
The portable TOR-1 backscattering thickness gage. 373949
Holzrichter, J.F.
Solid-state laser program. (UCRL – 52000-77-8) 377433
Holzwarth, G.
Density compression in colliding nuclear slabs. 359407
The nuclear 'twist'. 356608
Hom, D.C.
Observation of a dimuon resonance at 9.5 GeV in 400-GeV proton-nucleus collisions. 351221
Observation of structure in the UPSILON region. 369378
Homan, F.J.
Evaluation of plutonium, uranium and thorium use in power reactor fuel cycles. 368446
Gas-cooled reactor programs. High-temperature gas-cooled reactor base-technology program progress report for July 1, 1975 – December 31, 1976. (ORNL – 5274) 368170
HTGR fuel and fuel cycle technology. 368174
Stoichiometric effects on performance of high-temperature gas-cooled reactor fuels from the U – C – O system. 365922
Homann, S.G.
Gamma-ray dosimetry errors with TLDs. (UCRL – 80183) 379889
A simple expression for estimating doses recorded by personnel dosimeters as a result of radioiodine therapy. 360538
Home, J.M.
Scattering of He, H_2, and D_2 from Au(111) surfaces. 368846
Homer, R.J.
K^-n elastic scattering between 610 and 840 MeV/c. 356502
Homeyer, H.
VICKSI beam line instrumentation and control system. 363213
Homeyer, W.G.
Residual stresses in Peach Bottom test elements analysis vs experiment. (GA-A – 14329) 358254
Homma, S.
Lead glass Cerenkov counter of hodoscope type. (INS-TH – 111) 350298
Homma, Saburo
Differential cross sections for single pion photoproduction from protons in the energy range between 500 MeV and 930 MeV. 372696
Homma, Y.
Some features in rapidity space of multiparticle production by proton-proton collision at 102 GeV/c. 353970
Homma, Yoshio
Production of ^{61}Cu by $\alpha$and ^3He bombardment on cobalt target. 359734
Honda, M.
Half-life of ^{92}Nb. 349145
Honda, N.
Renal hemodynamics in uranyl acetate-induced acute renal failure of rabbits. 360352
Honda, T.
Network of γ-irradiated poly(vinyl alcohol) beads. 359779
Honda, Tadashi
On the change of fall-out measured by monitoring post at the time of nuclear explosion. 373467
Honda, Takeo
Cytogenetic studies of A-bomb survivors and their children in Hiroshima and Nagasaki. 370379
Honda, Y.
Studies on radioecological concentration processes in the aquatic environments -Uptake and retention of Am-241 by fish-. 370425
Honda, Yoshihide
Radiation hazard control system. 367830
Studies on the movement and distribution of uranium in the environments. 349801

Honda, Yoshio
A case of chondrosarcoma in irradiated mandible. 349768
Honea, R.B.
Regional Studies Program annual report, January 1 through December 31, 1976. (ORNL-TM – 5838) 362841
Honeck, H.C.
Coarse-mesh method for multidimensional mixed-lattice diffusion calculations. 358036
Coarse-mesh method for multidimensional, mixed-lattice diffusion calculations. 363379
Extensions to the Joshua GDMS to support environmental science and analysis data handling requirements. (DP-MS – 77-84) 366191
Honecker, R.
Study of the reactions $\pi^+p \rightarrow \pi^0\Delta^{++}(1236)$, eta Δ^{++} (1236) and eta'Δ^{++} (1236) at 16 GeV/c. 372526
Hones, E.W. Jr.
Solar proton event of April 16, 1970 1. Features in interplanetary space and in the magnetosheath. 351065
Honey, J.A.
Lessons learned at Calvert Cliffs. 370924
Honeycutt, L. III
Erosion and thermal shock resistance of hot pressed tantalum carbide, hafnium carbide, and zirconium carbide containing free carbon and refractory fibers. 365197
Hong-Mo, C.
A model for baryonium. (RL – 77-144/A) 375031
Strings, bags, and baryoniums. (RL – 77-121/A) 359265
Hong, K.M.
Positron annihilation in alloys. 358759
Hong, S.P.
Differential cross sections for electron impact ionization of helium and argon. 353187
Hongo, Syozo
Hazards index on γ-ray counting for the evaluation of air contamination. 373934
Hongoh, M.
Dynamical SU(3) model for strong interactions and PSI particles. 353825
SUsub(1,3) calculation of the masses and mass formulae for some exotic mesons. 364510
Honhoff-Klaver, L.J.
Information exchange between a nuclear medicine computer system and a hospital information system, based on system integration. (INIS-mf – 4010) 363721
Honig, H.
Process and equipment for locating defective fuel rods of a reactor fuel element. (German (F.R.) patent document 2424431/B/) 368035
Honig, J.M.
Structure and properties of Cr- and Al-doped V_2O_3 -a comparison. 371622
Thermal studies on Cr-doped V_2O_3 crystals. 365198
Thermal studies on the high-temperature phase transition in V_3O_5. 360016
Honig, W.M.
Quaternionic electromagnetic wave equation and a dual charge-filled space. 363787
Honma, Katsunori
An evaluation of filtering materials used for collection of airborne particulate matters for neutron activation analysis. 379445
Honma, Yoshiji
Radioactive gas monitor. 368015
Honma, Yoshio
Application of integral counting method to liquid scintillation counter. 361035
Hontebeyrie, M.
Model-independent analysis of the reaction $\pi^+p \rightarrow \pi^+\pi^-\Delta^{++}$. 369369
Hontzeas, S.A.
Radioisotopic x-ray analysis of uranium ores using Compton scatter for matrix compensation. 356974
Honusek, M.
The decay of ^{167}Lu(Tsub(1/2) = 55 min)^{167}Yb. 354200
Honzawa, Tadao
Experimental study on self-modulation of ion plasma oscillations. (IPPJ – 280) 366556
Hood, G.M.
Point defect properties of α-Zr and their influence on irradiation behaviour of Zr alloys. (AECL – 5692) 359937
Hood, J.T.
γ-ray multiplicities from nuclear reactions: theory, instrumentation and analysis. 355598
Hood, S.T.
Electron ionization spectroscopy of ethylene: orbital assignement of correlated states. 353225
Ionisation of atomic hydrogen: angular correlations of the outgoing electrons. 361403
Hoodbhoy, P.
Solution of Hartree-Fock equations in coordinate space for axially symmetric nuclei. 354069
Hooft, E. van 't
Apparatus for internal irradiation. (Netherlands patent document 7606676/A/) 376244
Applicator for internal irradiation. (Netherlands patent document 7604831/A/) 373927
Hooft, G.'t
Solitons and instantons. (INIS-mf – 3946) 356429
Hoogkamer, Th.P.
Production of inner-shell vacancies in slow ion-atom collisions for projectiles Z >= 10. 377011
The production of K-shell vacancies during collisions of 50-1200 keV Nesup(n+) → Ne for n = 1, 2, 3 and 4. 361361
Hoogland, H.
Heat transfer and friction on smooth and rough test rods. (ECN – 18) 363099
Hoogmartens, M.
Autoradiographic study of tumor traceraccumulation in experimental infectious lesions. (INIS-mf – 4010) 370408
Hooke, W.M.
Landau damping of low and high power slow electrostatic waves. (PPPL – 1372) 361605
Landau damping of low- and high-power slow electrostatic waves. 366611
Plasma-wave coupling and propagation using phased waveguide arrays. 348885
Hookway, B.R.
Options for the disposal of high-level radioactive waste. 368404
Hooley, A.
The angular diameter-redshift test for large redshift quasars. 366742
The angular diameter-redshift test for quasi-stellar radio sources with large redshifts. 374918
Hoonhout, D.
Analysis of Si thin films prepared by ion beam sputtering. 368741
Hooper, A.
Fission and corrosion product behaviour in primary circuits of LMFBR's. A status review of work being undertaken in the UK. (IWGFR – 7) 361000
Hooper, A.J.
Electrochemical measurement of carbon potential in sodium – steel systems. (CONF-760503 – P2) 358287
Preliminary microstructural examination of high and low ductility type 316 creep rupture specimens. (CEGB-RD/B/N – 3991) 357251
Sodium – vanadium – oxygen system at low oxygen potentials. (CONF-760503 – P2) 352757
Hooper, C.F. Jr.
Dynamic screening effects in plasma line broadening. 358959
Hooper, E.B. Jr.
High energy negative deuterium beams using double charge-exchange or surface production. (UCRL – 80406) 377434
Negative beam generation, transport, and acceleration. (UCRL – 79728) 371990
Plasma production and flow in ion beams. (UCID – 17559) 364205
Plasma production and flow in negative ion beams. (UCRL – 80099) 371719
Sixty keV D^- beams using double charge-exchange system. (UCRL – 80102) 374064
Stability of space-charge neutralized beams. (UCRL – 80103) 372067
Hooper, E.W.
The determination of diffusion coefficients of Cs and Ag in pyrocarbon and silicon carbide by post irradiation annealing of coated particle fuels. (AERE-R – 8603) 357405
Hooper, J.D.
An experimental and numerical study of developed single phase axial turbulent flow in a smooth rod bundle. (INIS-mf – 4085) 367903
Hoornweg, C.J.
NERATOOM work on pump development. (IWGFR – 9) 350258
Hoot, C.G.
Gamma-ray production cross sections for copper from 0.67 to 19.6 MeV. 362095
Hootman, H.E.
Characterize TRU waste inventories and relate characterization to proposed criteria. (SAND – 77-1178) 374460
Development of an integrated facility for processing TRU solid wastes at the Savannah River Plant. (DP-MS – 77-74) 374403
Hooton, B.W.
Multiple scattering of 12 to 40 MeV heavy ions through small angles. 361362
Hoover, G.E.
Feasibility demonstration of consolidating porous beryllium/carbon structures. Final report. (UCRL – 13785) 373315
Hopenfeld, J.
Experimental investigation of cavitation inception and damage in a flowing sodium environment. (CONF-760503 – P2) 352729
Small sodium-to-gas leak behavior in relation to LMFBR leak detection system design. (CONF-760503 – P2) 352758
A survey of LMFBR cavitation technology in the U.S.A. (IWGFR – 9) 352730
Hopkins, D.B.
Update on the development of 120-keV multi-megawatt neutral beam source. (LBL – 5900) 365745
Hopkins, F.
Mean fluorescence yields of carbon-K following 100-500 keV C^+ and Ne^+ impact on CH_4. 358822, 377114
Hopkins, G.
Fusion reactor studies: potential of low Z materials for the first wall. Key phase report 11. (EPRI – 115-2) 356115
Hopkins, G.R.
Technology of controlled nuclear fusion. 364206
Hopkins, J.
Indium-111-labeled cellular blood components: mechanism of labeling and intracellular location in human neutrophils. 373630
Hopman, H.J.
Energy distribution of a relativistic electron beam interacting with plasma. 366570
The energy loss of a relativistic electron beam measured by means of a scintillator and a photodiode. (INIS-mf – 3963) 371908
Experiments with a relativistic electron beam injected into a

plasma. 372030
Experiments with intense pulsed electron beams. 368651
The influence of heavy gas endplugs on the energy confinement time. (INIS-mf – 3963) 374822
Hoppe, E.
The burning behaviour of sodium and consequences to be drawn for fire protection measures, by the example of the Kalkar nuclear power plant. (AED-Conf – 77-304-000) 357782
Hoppe, G.
Radiation protection in questions and answers. 367724
Hoppe, P.
The physical tests in the KNK-II. 376409
Hoppenau, S.
Electron relativistic effects in the K-shell ionization of Z = 50-83 atoms by 9-155 MeV alpha particles. 377003
Ionization probability at zero impact parameter of 7 MeV protons on molybdenum, tin and gold. 377106
Hopper, C.M.
Safety analysis report for packaging (Oak Ridge Y-12 Plant model DT-14 package for enriched uranium). (Y/DD – 244) 379466
Hoppitt, B.
A consideration of the changes in efficiency of absolute filters under various conditions of contaminant loading. 360508
Methods of installing and testing absolute filters in the nuclear industry. 360507
Hopster, H.
Adsorption studies on Pt(111). (Juel – 1423) 364039
Surface vibrations and the nature of the adsorption state: C_2H_2 on Pt(111). 353439
Horacek, J.
Histologic types of bronchogenic cancer in relation to different conditions of radiation exposure. 370401
Histological types of lung cancer as related to various radiation exposure conditions. 352075
Horak, J.A.
Use of fission reactors for fusion reactor first-wall studies. 358955
Horak, O.
Lead residues in plants and soils along Austrian motor roads. 367650
Horak, W.C.
Local Green's function method for the numerical solution of heat conduction and fluid flow problems. 363101
Horak, Z.
Theoretical arguments for the general occurrence of four-potential interactions. 353826
Horan, D.M.
Structure and dynamics of a solar flare: X-ray and XUV observations. 369056
Horbaschek, H.
High-resolution X-ray television and high-resolution video recorders. 366020
Horbert, M.
Estimation of an average fallout constant for aerosols on the basis of the deposition measurements made in Juelich. (Juel-ZST – 218) 354709
Hord, C.W.
The Voyager mission photopolarimeter experiment. 374929
Hore, K.
Determination of electron density and electron collision frequency in a nonuniform plasma column by rf coil probe. 366501
Horen, D.J.
Giant magnetic dipole states in ^{208}Pb. (BNL-NCS – 22500) 356787
Horen, G. van
The structure of coronal magnetic loops. I. 356202
Horgan, D.N. Jr.
Effects of fusion reactor size and availability on utility operations. 377339
Horgan, R.R.
The asymptotic behaviour of the chiral non-symmetric structure functions in non-abelian gauge theories. 356430
Re-analysis of the baryon mass spectrum using the quark shell model. 356433
Hori, Hiroshi
An electron energy spectrometer of double-stage retarding field type, 2. 371494
Hori, M.
Evaluation of local accidents in fast breeder reactors. 371031
Safety evaluation of the Monju steam generator. (CONF-761001 – P2) 362951
Hori, Masao
Small leak detection by measuring surface oscillation during sodium-water reaction in steam generator. 355625
Wastage phenomena due to small leak sodium-water reaction. 374260
Hori, R.
Activation analysis of vanadium in the egg of ascidian. 372872
On the manganese content of the egg of Oryzias latipes and its change during the early development. 372871
Horibe, Osamu
The decay scheme of ^{91}Sr. 359490
Horie, Masanobu
Studies on drug metabolism by use of isotopes, 19. 359556
Horie, Masashi
Potentiometric and polarographic studies on complex formation of cadmium(II) ion with ethylenediaminemonoacetic acid. 359672
Horiguchi, M.
Creep crack propagation in austenitic stainless steel at elevated temperatures. 357285
Horiguchi, S.
Auger neutralization of ions at solid surfaces. 368820
Horiguchi, T.
Cross sections of the ^{63}Cu(p, 3n)^{61}Zn and the ^{63}Cu(p, p3n)^{60}Cu reactions. 359512
Horikawa, M.
Analyses of differential sensitivities of synchronized Hela S3-cells to radiations and chemical carcinogens during the cell cycle. 354752
Horikawa, N.
Measurement of polarized target asymmetry in $\gamma p \rightarrow \pi^+ n$ below 1.02 GeV. 369371
Horikoshi, G.
Vacuum system for the KEK proton synchrotron. 363257
Horikoshi, Yoshinori
Application of Ge(Li) anti-coincidence detector system to environmental sample measurement. (PNCT – 831-77-01) 379950
Horin, W.A.
Hollow sphere formation in a gassy two-liquid pool. 362859
Horino, Masaharu
Instrumental efficacy for imaging ^{123}I. 354951
A radioimmunoassay for human ACTH. 354949
Radioimmunoassay for steroid hormones, 2. 349864
Horiuchi, Kimiko
The determination of the low level radon content in mineral spring with a liquid scintillation counter. 354688
Horiuchi, Ritoku
Time evolution of the energy spectrum of Alfven waves due to the non-linear Landau damping. (RRK – 77-4) 366767
Horiuchi, Susumu
Apparatus for the transportation and storage of ^{85}Kr. 350027
Method and apparatus for treating radioactive wastes. 361103
Horiuchi, Tetsuo
Coolant dispersing device. 368127
Horiuchi, Yoshihiko
Immunological studies on multilocular echinococcosis. 349850
Horlitz, G.
Evidence for the tau $\rightarrow$ γrhoπ decay mode. 372500
Measurement of the branching ratios for the decays J/psi(3.1) $\rightarrow$ fω and J/psi(3.1) $\rightarrow$ Bπ. 372506
Measurement of the J/psi radiative decay into f^0(1270)γ. 377779
Horn, D.
Core-excited high-spin isomers in ^{212}Rn. 351371
Magnetic moments of N = 50 isotones and proton core polarization. 372761
Performance of an energy-mass spectrograph for heavy ions. 366018
Horn, H.G.
Comparing radiation exposure due to emissions from conventional power plants and nuclear facilities. 370608
Horn, J.
The relation between energy – ecology – economy. 361140
Horn, L.J. van den
Transport coefficients for the cosmological fluid during the lepton era. 377652
Horn, M.
The energy policies of the Federal government from 1958 until 1972. 350407
Hornady, R.S.
Effect of extended pulse length on the Mirror Fusion Test Facility (MFTF). (UCRL – 52294) 350923
Streaming-plasma measurements in the Baseball II-T mirror experiment. (UCRL – 52279) 356104
Hornbuckle, J.D.
A 1500-MW(e) HTGR nuclear generating station. 379706
Horndeski, G.W.
Energy-momentum tensor of the electromagnetic field. 371389
Horne, P.
Microprocessors help in control and beam observation at the CERN PS booster. 363151
Horne, P.J.
Implementation of an INTEL 8080 microprocessor development system using existing minicomputers. 363258
Horne, R.A.
Solution for remote handling in accelerator installations. 363175
Horner, C.E.
Screening, selection and evaluation of irradiation-induced mutants of spearmint for resistance to Verticillium wilt. 373716
Horner, D.E.
Removal of iodine from reactor fuel solutions as insoluble PdI_2. 363649
Horner, M.
Cylindrical prestressed concrete pressure vessel for a nuclear power plant. (German (F.R.) patent document 2518357/A/) 358255
Horner, R.E.
Structural design verification techniques. (IWGFR – 11) 355460
Hornsey, D.J.
The influence of phosphorus, zinc and manganese on absorption and translocation of iron in watercress. 357606
Hornsey, S.
Differences in the effects of anaesthesia on hypoxia in normal tissues. 365386
Factors to be considered in deciding on fraction size for neutron therapy. 379020
R.b.e. for the two components of weight loss in the mouse testis for fast neutrons relative to X-rays. 349742
Hornshoej, P.
Alpha decay of neutron-deficient ytterbium isotopes and their daughters. 375179
The GT matrix elements in the decay of the mirror nuclei ^{47}Cr, ^{51}Fe and ^{55}Ni. 354210

Hornshoj, P.
Evidence against anomalous epsilon/β^+ ratios in the β decay of ^{145}Gd. 359491
Horodynsky-Matsushigue, L.B.
Study of the reaction ^{91}Zr (d,p)^{92}Zr. 354159
Testing of the energy stability and reproducibility of the ion beam produced by the 'tandem' accelerator of USP (University of Sao Paulo, Brazil). 354144
Horowitz, Y.
Nuclear reactions induced by the bombardment of ^{18}O with ^{18}O. 356798, 366987
Horowitz, Y.S.
Comment on the use of thermoluminescence dosimeters as thermal neutron detectors. 358368
Horrabin, C.W.
Digital data telemetry system for terminal to ground communication in a 10 MV Van de Graaff. 363259
Horsdal Petersen, E.
Capture of inner-shell electrons by 0.2- to 2.0-MeV protons. 377105
Horsky, J.
A non-static source of the Taub solution of Einstein's gravitational equations. 353089
Horsley, D.M.C.
Research and development topics in gas cleaning for fuel reprocessing plant. 359849
Horsley, R.
The group theoretic structure of the dual current vertex. (NBI-HE – 77-41) 368550
Some isomorphic function and Fock space representations of the dual model superconformal group. (NBI-HE – 77-45) 376914
Horsman, A.
Bone mass measurement using a xenon-filled multiwire proportional counter as detector. 360394
Horst, W.
^{123}I, ^{131}I and sup(99m)Tc-pertechnetate for the evaluation of thyroid function. (INIS-mf – 4010) 370432
Coronary artery disease: non-invasive nuclear medicine techniques as the most reliable and sensitive ones. (INIS-mf – 4010) 367703
Hypophyseal function in patients with intracranial processes: results of an integral nuclear medicine diagnostic procedure. (INIS-mf – 4010) 370462
Kinetics of ^{111}indium chloride and comparison with ferrokinetics. 352116
Results of the use of a sup(99m)Tc labelled pharmaceutical for bile duct scintigraphy. (INIS-mf – 4010) 370505
When should ^{125}I be used for therapy of hyperthyroidism. (INIS-mf – 4010) 373602
Horster, F.A.
Radioimmunological measurement of digoxin levels in serum for the assessment of therapeutically active administered digoxin. (INIS-mf – 4010) 370516
Radioimmunological measurement of the digoxin level in order to determine the therapeutically effective digoxin dose. 367718
Horstman-Moretti, E.
Effect of multiple scattering on balloon observation of γ-ray bursts. 374328
On a new method of separating the diffuse cosmic X-ray component in balloon-borne measurements. 374327
Horstman, H.
Effect of multiple scattering on balloon observation of γ-ray bursts. 374328
On a new method of separating the diffuse cosmic X-ray component in balloon-borne measurements. 374327
Horta, A.M.T.C.
Rapid extraction-atomic absorption determination of boron in sea water. 369547
Hortacsu, M.
Confined solutions of the Thirring model coupled to a Schwinger field. (IC – 76-87) 361277
Scattering solutions in a potential derived from the bound state solutions for the massive Thirring model. (IC – 76-95) 361278
Horton, J.H.
Effect of stack releases from a coal-fired powerhouse on trace element contents of neighboring soil and vegetation. (DP – 1455) 367760
Exhumation of radioactive solid wastes buried for fourteen years. (DP – 1456) 358521
Horton, J.L.
Measurement of B versus H of Alumel from 25 to 180 °C. 367250
Horton, P.W.
The assessment of red cell survival in normal subjects and in patients with haemolytic disorders and ineffective erythropoiesis using the radioiron occupancy method. 379146
Horton, R.C.
NURE engineering report, Carson Sink, Nevada, borehole. (GJBX – 49(77)) 373405
Horton, T.R.
Estimation of ^{222}Rn daughter doses from large-area sources. 378919
Horton, W. Jr.
Initial value problem with non-Hermitian radial mode equations. 350870
Neutral beam driven convective loss cone instability in toroidal geometry. 350867
Horvath, J.A.
Using computer graphics to analyze the placement of neutral-beam injectors for the Mirror Fusion Test Facility. (UCRL – 80106) 374823
Horvath, Z.
Grand unified schemes and spontaneous compactification. 353827
Horwitz, E.P.
Radiochemical separations by liquid – liquid chromatography using PSM support. 378119
Horwitz, J.L.
Response of the dayside aurora to sharp northward and southward transitions of the interplanetary magnetic field and to magnetospheric substorms. 351969
Horwitz, N.
The cross section for the production of massive electron pairs and the UPSILON(9.5 GeV) in proton-proton collisions at the CERN ISR. 369367
Study of photons produced simultaneously with the J/psi particles at the CERN Intersecting Storage Rings. 377794
Horyn, R.
Crystal structure of the A'(NbAlIr) phase. 367251
Crystal structure of the H(NbIrO) phase. 378784
On superconductivity in the Nb-Ir-O system. 378783
Horyna, J.
Contribution of radioactive emissions to the irradiation of population in the vicinity of UJV, Rez. 370571
Hosain, F.
Pyrophosphate derivatives of glucose: synthesis and labeling with sup(99m)Tc. 376158
Hosain, P.
Pyrophosphate derivatives of glucose: synthesis and labeling with sup(99m)Tc. 376158
Hosaka, A.
A review of fast reactor progress in Japan, March 1976. (IWGFR – 12) 358303
Hosaka, Masahiko
Measurement of the concentration of testosterone in testicular tissues by radioimmunoassay. 379191
Hosea, J.
Electron cyclotron emission from the PLT tokamak. (PPPL – 1362) 356116
Electron cyclotron emission from the Princeton Large Tokamak. 350871
Hosea, J.C.
Electron cyclotron emission from the PLT tokamak plasma. (INIS-mf – 3963) 371724
Ion energy balance in ohmically heated PLT discharges. (PPPL – 1403) 377366
Turbulent temperature fluctuations in the PLT tokamak plasma. (PPPL – 1363) 356082
Turbulent temperature fluctuations in the Princeton Large Tokamak plasma. 366498
Hosegood, S.B.
Preliminary orientation and parametric survey for very high temperature reactors with intermediate heat exchangers. 379711
Reactor core consisting of a number of interspersed groups of identical columns. (German (F.R.) patent document 1817079/B/) 352594
Hosek, J.
Calculation of the effective potential to order h using the functional Schroedinger rayleigh-ritz approach. 364511
Spontaneously broken symmetries in quantum field theory and unified models of weak and electromagnetic interactions. 377738
Hosemann, J.P.
The course of hypothetical LWR core meltdown accidents. (AED-Conf – 76-699-006) 365554
Hosemann, P.
The role of hydrogen development in hypothetical core meltdown. 370564
Hoshi, Masaharu
Decay of ^{151}Pm. 359492
Nuclear structure study of ^{150}Sm, 1. 359493
Nuclear structure study of ^{150}Sm, 2. 354211
Nuclear structure study of ^{150}Sm, 3. 354212
Hoshi, Noriyuki
Strange giant resonance in (K^-,π^-) reaction. 354213
Hoshi, Tsutao
Measurement and evaluation on pulsing characteristics and experimental capability of NSRR. 355483
Hoshi, Yoshimoto
Differential cross sections for single pion photoproduction from protons in the energy range between 500 MeV and 930 MeV. 372696
Hoshi, Yuichi
Fast breeder of loop type liquid metal cooling system. 379795
Hoshide, R.K.
Water testing of the inducer pump. (AI-ERDA – 13207) 374243
Hoshika, Akira
Determination of cadmium, lead and copper in interstitial water by anodic stripping voltammetry. 372873
Hoshina, Shoichi
Cascade of centrifugal separator. 360555
Hoshina, T.
Charge transfer effects on the luminescent properties of Eu^{3+} in oxysulfides. 355882
Cooperative absorption in Eu_2O_2S. 371615
Hoshino, Akira
Determination of hydrogen in lithium hydroxide by carbon monoxide carrier gas method. 359557
Hoshino, K.
Diffusion of vanadium, chromium, and manganese in copper. 357279
Tokamak plasma heating by application of strong poloidally induced electric field. (INIS-mf – 3963) 371896
Hoshino, Kazuo
Determination of saturation current in cylindrical paired ionization

chambers for fast neutrons. 350306
Dose distribution of fast neutron beams from a NIRS cyclotron. 349920
Dosimetry of fast neutron beams at the NIRS cyclotron. 349919
Hoshino, Kiyoshi
Comparison of surface sputtering characteristics by a low energy secondary ion mass analysis using a quadrupole type analyser with those by Auger electron spectrum analysis. 354311
Effect of low dose x-ray irradiation on development and differentiation of the cerebral cortex, (8). 354776, 354777, 354778
Hoshino, T.
Research and development of FBR fuel reprocessing in PNC. (IAEA-AG – 63-9) 362333
Hoshino, Tadaya
Design of pretreatment unit for Kr-85 recovery system. (PNCT – 831-76-01) 380013
Fundamental Research on pretreatment process for Kr-85 recovery system. (PNCT – 831-76-01) 380015
Performance test of the pretreatment unit for Kr-85 recovery system. (PNCT – 831-76-01) 380014
Hoshino, Takashi
Peripheral blood changes preceding the development of leukemia in atomic bomb survivors of Hiroshima and Nagasaki. 370380
Hoshizaki, Norio
Possible p-p resonance in the $^3F_3$ state. 372434
Hosier, J.C.
Nickel-base alloys for nuclear process heat applications. 360870
Hoskins, D.G.
A radio study of Abell clusters. 356292
Hoskins, R.E.
Plutonium recycle's relation to the future of nuclear power. 354475
Hosobuchi, Kazunari
Study on sterilization of various kinds of sanitary materials with radiation. 354956
Hosogane, Nobuyuki
Tokamak apparatus for turbulent heating of plasma. 358956
Hosokawa, N.
Self-sputtering phenomena in high-rate coaxial cylindrical magnetron sputtering. II. 368893
Hosokawa, S.
Investigation of intrarenal blood flow and urine flow aspects by scintillation camera. 360375
Hosokawa, Takanori
Method of starting up and operating a reactor. 360856
Nuclear fuel element. 368038
Hosoki, S.
Field-emission and field-ion microscopy of lanthanum hexaboride. 351826
Hosono, Kazuya
Control rod drive. 350191
Hosono, Toshio
Transmission characteristics of moving dielectric slab system. 348925
Hosotani, Y.
Strong-coupling theory of a Dirac particle and a charged scalar field. 372435
Hosoya, S.
Experimental confirmation of the isotopic volume effect in superconducting molybdenum by means of energy-dispersive x-ray diffraction at low temperatures. 351786
Hosoya, Sukeaki
Fundamental features and various applications of x-ray anomalous scattering. 353438
Study of solid state electron structure by Compton scattering. 348793
Hospe, J.
Energy from nuclear reactors. 365890
Energy from nuclear reactors. Pt. 2. 365891
Energy from nuclear reactors. Pt. 3. 365861
Energy from nuclear reactors. Pt. 4. 365976
Energy from nuclear reactors. Pt. 5. 365977
Energy from nuclear reactors. Pt. 6. 365923
Energy from nuclear reactors. Pt. 7. 365924
Energy from nuclear reactors. Pt. 8. 365925
Energy from nuclear reactors. Pt. 9. 364207
Hospes, M.
Analysis of compound spectrum peaks. (INIS-mf – 4143) 374365
Hossain, A.
Problems involved in introducing nuclear technology to a developing country. 352557
Hossain, M.
Solutions of simple dual bootstrap models satisfying Lee – Veneziano relation and the smallness of cut discontinuities. (ORO – 3992-315) 372385
Hossain, M.K.
Electron irradiation damage in magnesium. 362535
Hossfeld, F.
An improvement of the correlation time-of-flight method by source pulsing. 379900
Hosson, J.Th.M. De
Clustering of helium atoms at A1/2 <111>110 edge dislocation in α-iron. 351731
Hostache, G.
Quality assurance during operation of a nuclear plant. 352961
Technology transfer to a uranium mine and plant. 351931
Hoste, J.
Activation analysis with cyclotron-produced fast neutrons. 356983
The determination of nitrogen in tantalum by proton activation analysis. 369575
The distribution of trace elements in normal human liver determined by semi-automated radiochemical neutron activation analysis. 369555
High precision instrumental neutron activation analysis of Sn in cassiterite with the aid of an ^{227}Ac-Be isotopic neutron source. 375216
Hostetler, D.E.
Coarse-mesh method for multidimensional mixed-lattice diffusion calculations. 358036
Coarse-mesh method for multidimensional, mixed-lattice diffusion calculations. 363379
Review of advanced reactor transient analysis capabilities and applications for Savannah River Plant reactors. (DP-MS – 77-1) 358324
Hostinsky, T.
Creep and creep fracture of 17249 steel. 378646
Hotchkiss, M.J.
K⁻n elastic scattering between 610 and 840 MeV/c. 356502
Hotchkiss, W.T.
Engineer-constructor's approach to reliability engineering in nuclear power plants. 379246
Hoter, W.O.
Investigations on ion-induced secondary electron emission from oxygen covered surfaces. 368889
Hotovy, J.
The concept of nuclear heat application in iron metallurgy. (INIS-mf – 4055) 368422
Hotston, E.S.
Trapping of energetic hydrogen ions in reactive metals. 362536
Hotta, H.
Decline of the self-focusing of a pulsed high intensity electron beam owing to gas breakdown. 366340
Hotta, Hiroshi
The effect of NCS- on the radiation-induced decoloration of azo and anthraquinone dyes in N_2O-saturated aqueous solutions. 359809
Hotz, G.
Immunological reaction of UV-induced radiation damage in coliphage DNA. 354932
Hou, M.
Computer simulation of the grazing incidence backscattering of protons from a (110) nickel surface. (CONF-770931 – 1) 368652
Houchen, J.D.
Managing engineering to meet construction requirements. 358226
Houchido, Yuko
Study of superconducting switch using semiconductor stabilizer. 358989
Houck, J.R.
One-millimeter observations of the Crab nebula. 361751
Houdart, R.
Interest of the sup(99m)Tc-Sn-gluconate in the detection of tumor of the posterior fossa. Comparative study with pertechnetate (56 cases). 357696
Hough, G.
The position of IAEA safeguards relative to nuclear material control accountancy by States. 371292
Hough, J.
Near-infrared polarization of the nucleus of M31. 374921
Houghton, J.W.
Laser fusion ion temperatures determined by neutron time-of-flight techniques. 364219
Houghton, W.J.
HTGR risk assessment study. (GA-A – 14336) 373832
Houlberg, W.A.
Effects of fueling profiles on plasma transport. (CONF-771129 – 5) 371893
Fluid simulation of large tokamak plasmas using a variable spatial mesh, variable time-step implicit procedure. 361562
Plasma engineering considerations for a medium-field ignition test reactor. 377509
Plasma engineering innovations for the ORNL TNS reactor. (CONF-771029 – 146) 377508
Houlden, M.A.
Evidence for a narrow width boson of mass 2.95 GeV. 372519
Inclusive anti K*0 (890) production in π⁻p interactions at 16 GeV/c. 356507
Observation of the reactions π⁻p→anti pd at 10 and 16 GeV/c. 372520
Production of phi and f' in 10 GeV/c K⁻p interactions. 353959
The reaction antiproton-proton →3πsup(-)πsup(+) between 1.09 and 1.44 GeV/c and the effect of ππ phase shifts. 369372
Houminer, Z.
Scintillation observations of the interplanetary plasma. 372190
Hourani, E.
Deeply bound hole states and isobaric analog states in ^{89}Zr. 354191
Neutron-hole strengths and isobaric analog states in ^{95}Zr. 354190
Hourst, J.B.
160 kV, 200 mA dc accelerator for high 14 MeV neutron yield. 355189
House, G.L.
High pressure luminescence studies of localized excitations in ZnS doped with Pb^{2+} and Mn^{2+}. 360044
High pressure luminescence studies of mixed ZnS – CdS phosphors doped with Cu^+ or Ag^+. 360043
High pressure studies of interimpurity (donor – acceptor) luminescence in ZnS and ZnSe phosphors. 360042
House, L.L.
The determination of vector magnetic fields from Stokes profiles. 372115

Non – LTE line formation in the presence of magnetic fields. 359045
Houser, B.L.
Analytic dosimetry. (ORNL – 5171) 367539
Guide to radioactive waste management literature. (ORNL – 5226) 366070
Housley, M.
The adsorption of carbon monoxide on rhenium: basal (0001) and stepped [14(0001) x (10$\bar{1}$1)] planes. 362414
Ethylene and acetylene adsorption on rhenium polycrystalline and Re(0001) surfaces. 378613
Housley, R.M.
Lunar sample analysis. Annual report, 1 Feb. 1976 – 31 Jan. 1977. (N – 77 – 18979) 351027
Houssin, B.
Metallurgical evolution of heavy forgings in low alloy steels for nuclear vessels. 355384
Houston, A.S.
An attempt to optimize two zero summation filters for use in radioisotope scintigraphy. 352815
An intercomparison of computer assisted date processing and display methods in radioisotope scintigraphy using mathematical tumours. 360373
Houston, J.M.
X-ray detector. (US patent document 4,031,396/A/) 363600
Houston, P.L.
Carbon isotope separation by multiphoton dissociation of CF_3I. 369598
Houten, J. van
Nucleus-nucleus double resonance measurements. (INIS-mf – 4267) 377201
Houtman, J.P.W.
Extended automated separation techniques in destructive neutron activation analysis. 372935
Some considerations for future instrumentation and software developments in neutron activation analysis. 369530
Houzego, P.
A superconducting 2.6T high accuracy magnet. (RL – 77-099/B) 352416
Hovanskii, N.A.
The dissociative excitation of halogen substituted methane by electron impact. 371504
Hoven, G. van
The structure of coronal magnetic loops. II. 372173
Hoven, H.
Measuring variables and errors of the quantitative image analysis. (Juel – 1411) 355237
Hoving, J.
First clinical exoerience with ^{131}I-Triolein and ^{75}Se-triether to estimate intestinal fat absorption from single fecal specimens. (INIS-mf – 4010) 367578
Gallium scintigraphy for inflammatory masses. 352106
Howard, B.Y.
Clinical evaluation of the Cleon imager. 374369
Proceedings of seventh symposium on sharing of computer programs and technology in nuclear medicine, computer assisted data processing. (CONF-770101 –) 373662
Howard, C.
Microwave radiation leakage from microwave-excited light sources. 376218
Howard, C.J.
X-ray diffraction using synchrotron radiation. (INIS-mf – 4086) 361927
Howard, J.
An inelastic neutron scattering study of C_2H_2 adsorbed on type 13X zeolites. 361449
Howard, J.E.
Uniform illumination of spherical laser fusion targets. 366557
Howard, P.A.
CRBRP outlet plenum behavior during steady state and transient conditions. 371027
Study of the density interface in a stratified LMFBR outlet plenum. 371035
Howard, R.
Development of a complex of activity in the solar corona. 356252
Open magnetic fields in active regions. 372282
Solar cycle, solar rotation and large-scale circulation, ch. 2. 369108
Howard, R.E.
Low field critical currents and ac losses of thin film niobium – tin superconductors. 373204
Howard, W.A.
Environmental plutonium on the Nevada Test Site and environs. (NVO – 171) 378828, 378855, 378879, 379130, 379131, 379137, 379139
Howard, W.M.
Neutron-capture nucleosynthesis in the helium-burning cores of massive stars. 364362
Howarth, W.L.
CRBRP outlet plenum behavior during steady state and transient conditions. 371027
Howe, D.G.
Composite superconductors. (US patent document 3,989,475/A/) 357219
Superconducting properties of V_3Ga composite wires. 362415
Howe, H.C.
Neutron time behavior for deuterium neutral beam injection into a hydrogen plasma in ORMAK. (ORNL/TM – 6035) 368941
Program plan for electron cyclotron heating experiments on the ISX tokamak. (ORNL/TM – 6011) 371835
Relation of neutral beam injection to impurity behavior and extension of plasma parameters in ORMAK. (INIS-mf – 3963) 371934
Howe, L.M.
The study of point defects by channeling measurements of solute atom displacements. (INIS-mf – 3996) 364128
A study of the irradiation behaviour of Zr_3Al. 357418
The use of nuclear reactions and ion channeling to study trapping of Cu self-interstitial atoms by Be solute atoms in a Cu – 0.25 at.% Be crystal. 364127
Howe, P.S.
Superspace and the spinning string. 355771
Howell, D.R.
Test particle propagation in magnetostatic turbulence. 3: the approach to equilibrium. (N – 77-27864) 378929
Howell, R.H.
A highly energy-selective activation detector for pulsed fusion neutron sources. 374329
Howell, S.K.
LOFT LOCE transient thermal analysis for 6 in., 8 in., 10 in., and 12 in. primary coolant blowdown piping. Research, engineering, and construction report. (LTR – 112-118) 379252
Howells, G.R.
The distribution of ^{239}Pu in the skeleton of the mouse. 354841
Howells, W.S.
Diffuse neutron scattering from an ω-phase ZrNb alloy. 359346
Hower, A.A. Jr.
Alfalfa weevil male: effect of γ-radiation and weevil age on mating competitiveness and sperm transfer. 373554
Hower, R.B.
Radioactive airborne effluent measurement and monitoring survey of reprocessing and waste treatment facilities. (COO – 3049-9) 378920
Howerton, R.
Evaluated fast neutron cross sections of uranium-238. (ANL/NDM – 32) 372806
Fast neutron cross sections of vanadium and an evaluated neutronic file. (ANL/NDM – 24) 351358
Titanium-II: an evaluated nuclear data file. (ANL/NDM – 28) 369503
Howerton, R.J.
ν bar revisited. 356609
Neutron-induced angular and energy distributions: graphical experimental data. (UCRL – 50400(Vol.19)) 377833
Howes, B.W.
Effective neutron isolation thickness values obtained from reflector savings data. 360686
Howes, M.J.
The effects of radiation-induced deep levels on the admittance of p$^+$n diodes under forward bias. 366066
Howey, G.
Specialized manpower. 363744
Howington, L.C.
Development of an aging integrator for uranium-0.75 weight percent titanium alloy part aging control. (Y – 2101) 378571
Howitt, D.G.
Application of high-resolution TEM to ceramic science. 373300
Electron damage in organic crystals. 365061
Experiments in high voltage electron microscopy. Progress report, October 31, 1976 – August 1977. (COO – 2119-19) 362542
HVEM studies of irradiation damage in oxides. (COO – 2119-20) 373369
Howland, H.R.
Physics of tritium breeding as a geometric programming problem. (WFPS-TME – 068) 377448
Howland, M.M.
25 megajoule energy storage and delivery system for the Shiva laser. (UCRL – 79700) 374819
Howlett, D.R.
A comparative study of [^{3}H]-haloperidol and [^{3}H]-spiroperidol binding to receptors on rat cerebral membranes. 376186
Howry, S.K.
Microprocessor controller for phasing the accelerator. 363260
Howze, J.W.
Nuclear reactor control system design with sensor failure. 368064
Hoyer, E.
Heavy ion facility for radiation therapy. 363289
Hoyer, P.
The tetrahadron. 353828
Hoyle, F.
Identification of interstellar polysaccharides and related hydrocarbons. 369109
Identification of the lambda2,200A interstellar absorption feature. 359098
Origin and nature of carbonaceous material in the galaxy. 364343
Polysaccharides and the infrared spectrum of OH 26.5 + 0.6. 356253
Prebiotic polymers and infrared spectra of galactic sources. 353718
Hoyng, P.
Acceleration of particles in a strong plasma turbulence. (INIS-mf – 4267) 377435
Hrabak, F.
Polymerization and copolymerization of 2,2,2-trichloroethylacrylate. (Czechoslovak patent document 156638/B/) 369804
Hrabovcova, A.
Czechoslovak intercomparison of personnel neutrons dosimetry methods. 349917
Hradecna, Z.
Photochemically induced binding of furocoumarins with lambda phage DNA in situ. 373499

Hrasko, P.
Rotation symmetry in the Hamiltonian dynamics. (KFKI – 77-26) 355772
Hrdlicka, Z.
Neutronographic system with direct CRT display. (INIS-mf – 4143) 374330
Hrichova, R.
Moessbauer and infrared spectra of substituted Y-Fe(III) garnets. 368803
Hrivnakova, I.
Erythrocyte labelling with sup(99m)Tc for spleen gammagraphy. 349323
Hrncir, S.
Gamma-radiolysis of aqueous solution of histidine. 354742
Hromek, R.
Construction policy of nuclear power plants and nuclear heat and power plants in Czechoslovakia. (INIS-mf – 4055) 368142
Hrovat, M.
Method to produce fuel element blocks for HTR reactors. (German (F.R.) patent document 2609476/B/) 360923
Hruby, J.
On the supersymmetric sine-Gordon model and a two-dimensional bag. 372436
Hruby, R.
The absorption of p-toluenediamine by the skin of rats and dogs. 376134
Hruska, A.
Magnetic field aligned electric fields in an adiabatic plasma. 366558
Hryniszak, W.
Advanced gas-cooled reactor has good energy prospects. 352666
Development status and performance of the AGR line. 376541
Hsia, A.H.
Rod bundle blowdown heat transfer tests simulating pressurized water reactor loss of coolant accident conditions. Final report. (EPRI-NP – 113) 365559
Rod bundle test facility instrumentation description, calibration, and uncertainty analysis, PWR blowdown heat transfer project. Final report. (EPRI-NP – 112) 365558
Hsie, A.W.
A fluence response study of lethality and mutagenicity of white, black, and blue fluorescent light, sunlamp, and sunlight irradiation in Chinese hamster ovary cells. 373482
Hsieh, B.J.
Dynamic instability analysis of axisymmetric shells by finite element method with convected coordinates. (CONF-770807 – 34) 374251
Hsieh, C.L.
Studies of doublet plasmas in Doublet IIA. 358942
Hsieh, D.
Demountable low stress high field toroidal field magnet system for tokamak fusion reactors. (BNL – 23165) 371991
Hsieh, D.Y.
Interfacial stability with mass and heat transfer. (COO – 4155-2) 363102
Nonlinear Rayleigh – Taylor stability with mass and heat transfer. (COO – 4155-3) 367904
Hsieh, J.
Simulation of the effects of translational and vibrational energy on H and D atom reactions with HCl and DCl. 365004
Hsieh, J.S.
Analysis of waterhammer loads in a typical nuclear piping system. 357779
Hsieh, S.
Scale-covariant theory of gravitation and astrophysical applications. 371351
Hsieh, S.H.
Scale-covariant theory of gravitation and astrophysical applications. 350989
Hsieh, S.T.
Effective interaction and energy spectra in the vicinity of ^{208}Pb. 375103
Effective two-body interaction in the vicinity of doubly closed shells. 364791
Hsieh, S.Y.
Generic PSAR for the TF coil system of tokamak fusion reactors. 377473
Magnet system for catalyzed D-D and D-^{3}He reactors. (EPRI-ER – 536-SR) 372071
Magnet system for catalyzed D-D and D-He^{3} reactors. (BNL – 23083) 364259
Superconductivity in silver induced by the proximity effect. 359910
Hsieh, T.M.
Some probabilistic aspects of the seismic risk of nuclear reactors. 362952
Hsu, C.C.
Chemical Engineering Division physical inorganic chemistry. Annual report, July 1975 – June 1976. (ANL – 76-101) 364847
The reaction ^{27}Al(P, α_0)^{24}Mg from Esub(p) = 1.120 – 3.080 MeV. 366982
The study of the width for intermediate resonances in the ^{27}Al(d,p)^{28}Al, ^{27}Al (d,α)^{25}Mg, ^{31}P(d,p)^{32}P and ^{31}P(d,α)^{29}Si reactions. 372764
Hsu, C.N.
Detection of hot fallout on Taiwan in the period 1971-1975. 354727
Hsu, J.
Alfven instability and micromagnetic islands in a plasma with sheared magnetic fields. (PPPL – 1358) 358957
Stability and magnetic tearing of finite-β modified drift waves. (PPPL – 1376) 364179
Hsu, J.P.
Fundamental length, bubble electrons and non-local quantum electrodynamics. (ORO – 3992-311) 361279
Quantum electrodynamics within the framework of a new 4-dimensional symmetry. (ORO – 3992-312) 368551
Hsu, M.
Self-initialization of the RELAP4 momentum equation. 352241
Hsu, P.-C.
Concrete shielding for thermoluminescent dosimeter monitoring post to reduce background interference. 355631
Hsu, P.C.
In response to 'low exposure rate dependence of $CaSO_4$: Dy TLDS'. 368299
Spurious thermoluminescence of calcium sulfate due to ambient atmosphere during irradiation. 370165
Hsu, W.Y.
Nitrogen isoelectronic trap in GaAs/sub 1-x/P/sub x/: II. Model calculation of the electronic states N/sub Gamma/and N/sub x/ at low temperture. 359827
Hsue, S.T.
Applications of the absorption-edge densitometry NDA technique to solutions and solids. (LA-UR – 77-1416) 358587
Measuring the cesium activity ratio of spent fuel assembly. 378120
Hu, B.
Fermions as solitons. 359266
Generalizing the pendulum sine-Gordon equation and its solutions. 363788
Hu, B.L.
Effect of graviton creation in isotropically expanding universes. 355773
Hu, C.R.
Heat-current operator and transport entropy of vortices in type-II superconductors. 356361
Rigorous study of the gap equation for an inhomogeneous superconducting state near T/sub c/. 364446
Hua, C.T.
Spectrophotometric study of the continuous spectrum of Nova Cygni (V 1500 Cyg). 353685
Huang, C.
Photochemistry and photobiology of ribonucleic acids, ribonucleoproteins, and RNA viruses. 365349
Huang, C.-W.
Ultraviolet inactivation of the midi variant of Qβ-RNA. Determination of quantum yield and lesions produced. 352004
Huang, C.L.
Computation of electron resonances in atoms using the complex coordinate method. 368657
Huang, C.L.D.
The fundamental heat conduction solution for a thermal shock on a finite orthotropic cylindrical thin shell. 373992
Huang, C.Y.
α-γ phase transitions in Ce – Th alloys under high pressure. (LA-UR – 77-2153) 373205
EPR studies of the valence states of thulium in thulium monochalcogenides. 367293
Measurement of the depolarization rate of positive muons in copper and aluminium. 358874
Huang, D.C.
Positron annihilation in unsaturated normal aliphatic hydrocarbons. 350631
Huang, F.H.
Load relaxation studies of zircaloy-4. (COO – 2172-16) 373206
Work hardening correlation for monotonic loading based on state variables. (COO – 2172-19) 373207
Huang, H.C.
Development of licensing requirements for LMFBRs: a reactor designer's view. (TID – 27798) 366173
Huang, K.N.
A graphical approch to the spin-orbit interaction*. 368653
Transverse interaction in configuration mixing calculations. 355774
Huang, P.C.
An evaluation of Tween 80 effects on the survival and DNA repair in Escherichia coli following UV or gamma irradiation. 373496
Huang, S.C.
ECAT: a new computerized tomographic imaging system for position-emitting radiopharmaceuticals. (UCLA – 12-1132) 370447
Investigation of ^{18}F-2-deoxyglucose for the measure of myocardial glucose metabolism. (UCLA – 12-1142) 379114
Mathematical basis for the application of probability theory to tracer kinetics. (UCLA – 12-1125) 360374
Huang, S.G.
Solid solution hardening due to metal interstitials in the Pb – Ag system. 362405
Huang, S.L.
The reaction ^{27}Al(P, α_0)^{24}Mg from Esub(p) = 1.120 – 3.080 MeV. 366982
The study of the width for intermediate resonances in the ^{27}Al(d,p)^{28}Al, ^{27}Al (d,α)^{25}Mg, ^{31}P(d,p)^{32}P and ^{31}P(d,α)^{29}Si reactions. 372764
Huang, S.S.-S.
Effect of density on the total ionization yields in x-irradiated argon, krypton and xenon. 359780
Huang, S.S.S.
High dose rate radiolysis of n-pentane, n-hexane, and their mixtures. 378516
Huang, T.-C.
Kinetic parameters of isotopic exchange reaction in finite bath. 359616

Huang, T.C.
Aerosol attenuation in leakage paths. 352242
Sensitivity of radiological consequences to variations in aerosol parameters. 352243
Huang, T.V.
System for calibration of SPEAR transport line toroids. 363261
Huang, Ting-Chia
Determination of kinetic parameters of heterogeneous isotopic exchange reaction. 359617
Huang, W.F.
Positron annihilation in unsaturated normal aliphatic hydrocarbons. 350631
Huang, Y.F.
Discharge counter for the determination of uranium in water by the fission track method. 352821
Hubbard, F.R.
Rod bundle blowdown heat transfer tests simulating pressurized water reactor loss of coolant accident conditions. Final report. (EPRI-NP – 113) 365559
Hubbard, F.R. III
Rod bundle test facility instrumentation description, calibration, and uncertainty analysis, PWR blowdown heat transfer project. Final report. (EPRI-NP – 112) 365558
Hubbard, G.S.
Divacancy-hydrogen complexes in dislocation-free high-purity germanium. 370163
Impurity complex formation in ultra-pure germanium. (LBL – 6432) 351492
Hubbard, H.M. Jr.
Radiation measurements and assessments. (ORNL – 5171) 367367
Hubbard, J.L.
Training and career plan for engineers in the nuclear industry. 379616
Hubbard, R.
Reactor safety. 373828
Hubbard, R.F.
Electrostatic emissions between electron gyroharmonics in the outer magnetosphere. (N – 77-27648) 378921
Hubbell, H.H. Jr.
Rutherford revisited: Deflection of an electron in inverse first-, second-, and third-power central fields. 358659
Hubbell, J.H.
Present status of photon cross section data 100 eV to 100 GeV. 361928
Hubble, W.S.
Water separator for a steam turbine for nuclear power stations. (German (F.R.) patent document 2623293/A/) 355282
Huber, B.
Nuclear transmutation of actinides other than fuel as a radioactive waste management scheme. 368363
Huber, B.A.
Collisional deexcitation and photodetechment of excited NO_2^-. 377039
Laser – ion coaxial beams spectrometer. 358760
Photofragment spectroscopy and potential curves of Ar_2^+ . 350660
Photofragment spectroscopy and potential curves of Ar_2^+. 377084
Threshold photofragment spectroscopy of O_2^+(a^{4}PIsub(u)). 377125
Huber, F.
Reactor safety, instrumentation and environmental effects. (KFK – 1277/2) 370622
Temperature distribution and local boiling behind a central blockage in a simulated FBR subassembly. (CONF-761001 – P4) 362876
Huber, G.
The angiographical diagnosis of growing and displacing intracranial processes. 354954
Comparison of inelastic electron and positron scattering cross sections on ^{12}C and ^{27}Al. (DESY – 77/40) 364781
Growing and displacing infarcts. (AED-Conf – 77-395-001) 367698
Shadowing effect in inelastic electron scattering on ^{12}C and ^{27}Al nuclei at small four momentum transfer. (DESY – 77/55) 364782
Validity of the one-photon exchange approximation in inelastic scattering of electrons and positrons on protons. 366889
Huber, J.
The negative-ion test injector of the Munich MP tandem and the HICONEX 834 sputter source. 357867
Huber, K.
Investigation of the neutron rich nuclei ^{108}Rh and ^{109}Pd. 356695
Huber, M.G.
Pion-deuteron scattering in a D* model. 372618
Virtual isobar admixtures in complex nuclei. 372615
Huber, O.
Radiation exposure in 1975 by nuclear installations in the Federal Republic of Germany. (STH – 8/77) 370572
Radioactive effluents and present and future radiation exposure of the population from nuclear facilities in the Federal Republic of Germany. 367751
Huber, P.W.
Modeling of pool swell dynamics. Progress report. (NUREG – 0288) 352186
Huber, R.A.
Effect of argon desorption on the heat transfer performance of a fast reactor intermediate heat exchanger. (CONF-760503 – P2) 352762
Huber, R.W.
Metallurgical processing, structure, and superconducting transition temperature of V_3Ga. 357261
Huber, W.K.
Vacuum requirements for a satellite-borne mass spectrometer. 371178
Hubert, S.
Thermodynamic consequences of the nephelauxetic effect on the formation of complexes of 4f elements in aqueous solution. 364960
Huberty, J.P.
Carbonyl iron (magnetic) suspensions labelled with technetium-99m. A potential radiopharmaceutical for improved radionuclide angiography and systemic blood flow determinations. 354846
Huchra, J.P.
Nature of Markarian galaxies and studies of star formation in blue galaxies. 351028
Huck, A.
Decay of ^{46}Ar. 369488
Decay of a T/sub z/ = – 2 nucleus: Argon-32. 364777
Gamma-ray spectroscopy of ^{37}Cl via the ^{3}H(^{35}Cl,pγ)^{37}Cl reaction. 356699
Huczkowski, J.
Induction of mutations in antibiotic-producing microorganisms by fast neutrons from the U-120 cyclotron. 367471
Hudgings, D.W.
Experimental study of microwave generation and suppression in a non-neutral e-layer. 350828
Observation and suppression of radial beam blowup in the Maryland ERA. 363203
Recent results of the University of Maryland research program on collective ion accelerators. 363202
Hudman, G.D.
Irradiation-induced creep in 316 and 304L stainless steels. (CONF-770641 – 3) 351914
Hudomalj-Gabitzsch, J.
Mechanisms in d+^{6}Li three-body reactions at low bombarding energies. 356836
Hudritsch, W.W.
PADLOC: a one-dimensional computer program for calculating coolant and plateout fission product concentrations. (GA-A – 14401) 379681
Hudson, B.
Development and radiation stability of glasses for highly radioactive wastes. 358485
Hudson, C.R. II
Nuclear shipping and waste disposal cost estimates. (ORNL/TM – 5976) 374037
Hudson, E.D.
Design status of a separated-sector cyclotron booster accelerator for the Holifield Heavy Ion Research Facility. (CONF-770313 – 82) 365752
Hudson, F.R.
Experience with an automatic isodose plotter. 365646
A simple technique for the absolute assay of ^{197}Hg labelled samples. (INIS-mf – 4010) 370691
Hudson, G.M.
Lithium induced single proton transfer reactions on the f-p shell. 362069
Hudson, H.S.
A study of the planetary nebulae Abell 30 and Abell 78. 356205
Hudson, J.A.
The irradiation creep of nickel and AISI 321 stainless steel during 4 MeV proton bombardment. 360094
Irradiation creep of reactor materials during 4-MeV proton bombardment. 360814
Irradiation-induced diffusion and re-solution phenomena in metals. 351894
Hudson, R.L.
Electron spin resonance spectrum of $[(MeO)_3B.B(OMe)_3]^-$. A novel sigma radical with a one-electron bond. 378517
Huebel, D.
Safety of the liquid-metal cooled fast breeder reactor and aspects of its fuel cycle. 371030
Huebel, H.
High-spin states in ^{203}Bi populated in the (α, 4n) reaction. 372765
Safety analysis aspects of a 2000 MWe LMFBR core. (CONF-761001 – P1) 363022
Statements on nuclear structure of magnetic moments of high spin states. 349110
Huebel, K.
Radioecological studies in the main outfall of Gundremmingen nuclear power station. 357783
Huebener, R.P.
Josephson behavior in large-cross-section bridges of type I superconductor. 351792
Huebner, E.
Comparative carbide etching on different carbon diffusion samples. (SGAE – 2654) 373178
Huebner, H.
Isotope fractionation of carbon during tribochemical reactions. 372977
Huebner, K.
e-p facility in the CERN SPS. 363160
Huebner, K.F.
Use of rare-earth radionuclides and other bone-seekers in the evaluation of bone lesions in patients with multiple myeloma or solitary plasmacytoma. 362777
Huebner, R.H.
Electron-optical design parameters for a high-resolution electron monochromator. (ANL – 76-88(Pt.1)) 361394
Improvements in the electron energy-loss spectrometer. (ANL – 76-88(Pt.1)) 363592
Huebner, W.F.
Astrophysical opacity library. (LA – 6760-M) 359099

Huebotter, P.R.
A survey of LMFBR cavitation technology in the U.S.A. (IWGFR – 9) 352730
Huebschmann, W.
The accident consequence model of the German safety study. (AED-Conf – 77-352-004) 365560
The atmospheric diffusion parameters in the environment of the Karlsruhe Nuclear Research Center. (KFK – 2499) 365322
Investigation of the radiological impact of reactor accidents under probabilistic aspects. (KFK – 2435) 357784
Theoretical and experimental investigations of the atmospheric diffusion of radioactive gases and aerosols and of the probabilistic radiation doses around nuclear plants due to accidental activity releases. (KFK – 2435) 357760
Huedepohl, G.
The effects of various kinds of sparsely-ionizing radiation on total cell RNA and preribosomal nuclear RNA of Novikoff Hepatoma ascites cells after in vivo labelling. 349752
Huefner, J.
Rows on rows – a theory for collisions between heavy ions at high energy. 361986
Huefner, M.
Influence of D-thyroxine on plasma thyroid hormone levels and TSH secretion. 352156
Huefner, S.
Photoelectron spectra of the noble metals. 353401
Temperature dependence of the k = O optical phonons of Bi and Sb. 353436
X-ray photoemission investigation of the density of states of simple metals. 355994
Hueller, J.
Characterization of ion implanted silicon by the electrolytic reverse current. 371613
Ion implanted silicon-electrolyte interface. 356036
Huemmer, T.F.
Radiation curable oligomers. (US patent document 4,025,548/A/) 351636
Hueper, R.
Breeder reactor development: progress in Europe and Japan, discussion on principles in the USA. 358288
Huerta, M.
Crash test of a nuclear spent fuel cask and truck transport system. (SAND – 77-0419) 379467
Full-scale tests of spent-nuclear-fuel shipping systems. 350048
Huesken, H.
Application of the generator coordinate method to the scattering of deformed nuclei. 361987
Huesman, R.H.
Design and construction of the Donner 280-crystal positron ring for dynamic transverse section emission imaging. (LBL – 5679) 373651
Huet, Claude
Study of the effect of microwaves on the tanning process in Tenebrio molitor L. 357587
Huet, D.
Ballistic propagation of near-gap phonons in bulk superconducting tin. 359970
Huet, J.J.
Fe-13Cr-Ti-Mo ferritic alloy as material for a fast reactor. 369950
Huet, M.
On the radial distribution of the 1fsub(7/2) proton orbit. 362113
Huetzen, H.
Computer systems using microprocessors for extremely rapid scintillation cameras. (INIS-mf – 4010) 358410
Huff, D.R.
Ingestion of ^{241}Am sources intended for domestic smoke detectors: report of a case. 370410
Huffer, E.
Computer processing and display of dynamic images in nuclear medicine. (INIS-mf – 4010) 368335
Hufner, S.
Electron spin resonance of Gd in Ce/sub x/La/sub 1-x/Ru_2. 357244
Hug, D.H.
The substrate-dependent photoinactivation of urocanase from rat liver. 354738
Hug, O.
Experimental induction of bone tumors by short-lived bone-seeking radionuclides. 365424
Huggins, R.A.
Chemical vapor deposition of electronic materials. 351719
Hughes, C.E.
Argonne Code Center: compilation of program abstracts. (ANL – 7411(Suppl.11)) 374513
Hughes, C.M.
Measurement of differential cross sections for elastic K^+p scattering in the momentum range 0.7 to 1.9 GeV/c. 372511
Hughes, D.W.
Excitation and ionization of ions by electron impact. Technical progress report, September 1, 1976 – May 31, 1977. (ORO – 3027-38) 361355
Observations of overdense Quadrantid radio meteors and the variation of the position of stream maxima with meteor magnitude. 356254
Hughes, E.D.
RETRAN: a program for one-dimensional transient thermal – hydraulic analysis of complex fluid flow systems. Volume I. Equations and numerics. Final report. (EPRI-NP – 408) 365584
Hughes, G.
Fast reactor instrumentation development is aimed at a commercial plant. 358426
Performance of an electromagnetic temperature sensor in liquid sodium. 355612
A television/still camera with common optical system for reactor inspection. (IWGFR – 10) 363417
Hughes, G.W.
Interface-state effects in irradiated MOS structures. 373348
Hughes, H.G.
Global seismic effects of basin-forming impacts. (LA-UR – 77-368) 364344
Hughes, H.P.
Electrical resistivity anomaly in β-$MoTe_2$. 371614
Hughes, I.S.
Evidence for a narrow width boson of mass 2.95 GeV. 372519
Inclusive anti K^{*0} (890) production in π^-p interactions at 16 GeV/c. 356507
Production of phi and f' in 10 GeV/c K^-p interactions. 353959
Hughes, J.G.
Proton hydrogen close-capture collision spectroscopy. 374603
Total proton-helium electron-capture cross sections. 361363
Hughes, J.L.
Cosmological significance at extreme quasar redshifts. 356255
Hughes, J.M.B.
Effect of posture on distribution of pulmonary ventilation and perfusion studied with sup(81m)Kr and sup(85m)Kr. 367611
Hughes, J.R.
The effect of electron bombardment on evaporated films of sodium aluminium fluoride. 368817
Hughes, K.A.
Atmospheric waves induced by the solar eclipse of 30 June 1973. 354700
Hughes, M.B.
Contrasting behavior of hsub(9/2) and isub(13/2) bands in ^{185}Au. 378014
Hughes, M.H.
High-density discharges in the Alcator tokamak. 368947
Hughes, M.W.
The history of tritium fallout in southern Australia as inferred from rainfall and wine samples. 357510
Hughes, P.E.
Classical collisions of protons with hydrogen atoms. 371462
Hughes, R.C.
High field electron and hole transport in amorphous glasses and polymers. (INIS-mf – 4127) 364040
Radiation-hardened CMOS integrated circuits. (SAND – 77-0701(Vol.3)(No.1)) 363629
Hughes, R.J.
Structure functions of spin-dependent deep-inelastic scattering in the cavity approximation to the MIT bag model. 359267
The transverse momentum of partons. 366851
Hughes, R.W.M.
Partial-wave analysis of $K^-p \rightarrow \pi^0\Lambda(1520)$ between 1710 and 2170 MeV c.m. energy including new data between 1775 and 1960. 372507
Hughes, T.H.
Summary and evaluation of fuel dynamics transient-overpower experiments: status 1974. (ANL – 77-44) 379233
Hughes, V.W.
Depolarization effects in pulsed photoionization of state-selected lithium. 350556
Low-energy elastic scattering of polarized electrons by polarized hydrogen atoms. 358695
Measurement of spin-exchange effects in electron-hydrogen collisions: Impact ionization. 350557
Operating experience with the polarized electron gun at SLAC. 363130
Hugi, M.
Elastic scattering of ^{9}Be on heavy target nuclei. 372702
Hugill, J.
Electron and ion heating by neutral injection in DITE tokamak. (INIS-mf – 3963) 353553
Empirical tokamak scaling. 371894
High density discharges with gettered torus walls in Dite. (INIS-mf – 3963) 372042
High-density discharges with gettered torus walls in DITE. 348912
Hugl, H.
Dynamic and static brain scintigraphy for the detection of brain tumor recurrences. (INIS-mf – 4010) 362820
Hugot-Le-Goff, A.
Structure and growth of anodic oxide films on titanium and TA6V alloy. 378597
Huguenin, P.
Proposal for an experimental program at SIN. Study of pion – nucleus scattering using a magnetic spectrometer. (LA-tr – 77-84) 377985
Huguet, M.
The JET project. 353563
Huhnke, D.
Device for the measurement of physical quantities in conditions where measuring is difficult. (German (F.R.) patent document 2550378/A/) 376693
Hui, B.
Formation of positive slope on electron runaway distribution in tokamaks. 348950
Hui, B.H.
Collisional theory of electrical resistivity in trapped electron regimes. 350872
Huisgen, R.
Heterocycles fragmentation by electron beams. 354440

Huizenga, J.R.
Dissipation, mass exchange and the microscopic time scale of heavy-ion collisions. 362102
Energy dissipation, mass diffusion and interaction times for heavy ion collisions. (COO – 3496-63) 364784
Interaction times for damped heavy-ion collisions. 359440
Hukai, R.
Control and instrumentation system of the Zero Power Reactor at IEA, Sao Paulo (Brazil). (IEA-TI – 32) 352505
Hukai, R.Y.
Implantation of reactor physics codes: a case of technology transfer. 352441
Multipurpose nuclear process heat for energy supply in less-industrialized countries. 352520
Hukin, D.
The elastic and magnetic properties of a single-crystal Gd-40%Y alloy. 357311
Hukin, D.A.
Rare earths: a growth industry. 357220
Hulbert, A.J.
Design of real-time operating system software. (LF – 56) 362755
Design of scientific information storage and retrieval system. (LF – 56) 362756
Hulbert, J.A.
Status of the Chalk River superconducting heavy-ion cyclotron. 363309
Huler, E.
Parametric study of the Cl + HI chemical laser. (IA – 1338) 364156
Hulet, E.K.
Mass asymmetry and total-kinetic-energy release in the spontaneous fission of ^{262}[105]. 369464
New isotope of californium: ^{255}Cf. (BNL-NCS – 22500) 356828
New isotope of curium: ^{251}Cm. (BNL-NCS – 22500) 356829
Search for superheavy elements in the bombardment of ^{248}Cm with ^{48}Ca. 351372
Hulin, D.
Comments on the paper 'Anti-Stokes luminescence in europium monochalcogenides'. 368804
Hulka, I.
Development of WWER type nuclear reactors for heat supply in Czechoslovak conditions. (INIS-mf – 4055) 368143
Hull, A.P.
Criteria for risk acceptance: a health physicist's view. (BNL – 22363) 349885
Hull, D.
Observation of severe heat-flux limitation and ion-acoustic turbulence in a laser-heated plasma. 368952
Hull, G.W.
Thermal expansivity of Nb_3Ge. 369963
Hulliger, F.
Superconduction in La-pnictides. 377690
Superconductivity of lanthanum pnictides. 353727
Hulme, B.L.
KSPTH: a subroutine for the K shortest paths in a sabotage graph. (SAND – 77-1165) 366196
SPTH3: subroutine for finding shortest sabotage paths. (SAND – 77-1060) 363731
Hulpke, E.
Scattering experiments of Li-ions from single crystal metal surfaces at energies from 10 to 50 eV and their computer simulation. 368786
Hulst, J.M. van der
The distribution and kinematics of neutral hydrogen in the pair of interacting galaxies NGC 4038/39, ch. 2. 364345
A study of the neutral hydrogen in NGC 3077 and the neutral hydrogen bridge between NGC 3077 and M81, ch. 3. 372191
Hulsteyn, D.B. van
Polarization of X-rays from laser produced plasmas. (INIS-mf – 3963) 353631
Hulston, J.R.
Proportional variations of geochemical delta^{18}O scales -an interlaboratory comparison. 364848
Hultgren, A.
Management of radioactive waste and plutonium in the Swedish perspective. 368372
Hultgren, Aa.
Survey of foreign risk analyses with plans and projects concerning final disposal. (KBS-TR – 16) 363666
Hulth, P.O.
Total cross sections for charged-current neutrino and antineutrino interactions in BEBC in the energy range 20-200 GeV. 353945
Hultqvist, G.
Ground-water studies in Scandinavia: the Uppsala symposium 1976. 354691
Hultschig, H.
Evidence for the F meson. 353947
Measurements of tau decay modes and a precise determination of the mass. 372505
On the origin of inclusive electron events in e^+e^- annihilation between 3.6 and 5.2 GeV. 353772
On the semileptonic decay of charmed hadrons. 356496
Humbert-Droz, C.
Chemical detection and precise measurement of tritium in a gas. (KFK-tr – 504) 349160
Hummel, A.
The study of primary and secondary charge carriers in nanosecond pulse irradiated liquid dielectrics using a resonant microwave cavity. 362288
Hummel, H.H.
Physics calculations for the Clinch River Breeder Reactor. (ANL – 77-27) 371029
Pipe rupture studies for the CRBR using DEMO and SAS. (CONF-761001 – P3) 365561
Humpert, B.
$\mu \rightarrow e + \gamma$: why so interesting. (SLAC-PUB – 1935) 377739
$\mu \rightarrow e + \gamma$: why so interesting. 377740
Charmed meson production in electron-positron annihilation. 372437
Humphrey, J.
New scheme for the design and operation of proton – proton storage accelerators. (BNL – 22926) 374054
Humphrey, J.W.
ISABELLE half-cell control system. (BNL – 22492) 350058, 363179
Humphrey, R.M.
Response of Chinese hamster ovary cells to fast-neutron radiotherapy beams. II. Sublethal and potentially lethal damage recovery capabilities. 365350
Humphreys, J.R. Jr.
Problem considerations in the U.S. radioactivity control technology programme. (IWGFR – 7) 360975
Humphreys, L.L.
Planning for construction. 358139
Humphreys, R.M.
Near-infrared spectrum of XX Ophiuchi. 361702
Humphries, J.R.
Maneuvering experience at Calvert Cliffs, Unit 1. 358216
Humphries, P.
The thin layer activation technique applied to the measurement of wear. 376275
Humphries, S. Jr.
High power magnetically insulated radial diode. (SAND – 77-1549C) 368968
Intense ion beam acceleration and transport. (SAND – 77-1552C) 377436
Hundemann, A.S.
Cosmic rays (a bibliography with abstracts). Report for 1973 – Apr 1977. 359100
Hundert, P.
Selection with cycloheximide of metabolic and uv-sensitive mutants of Schizophyllum commune and Saccharomyces cerevisiae. 373503
Hundeshagen, H.
^{201}thallium scintigraphy – a new method for radionuclide imaging of the uterus. 376191
^{64}Cu labelled vitamin-B 12 analogues. (INIS-mf – 4010) 362236
Hung, P.Q.
Almost unique determination of neutral-current couplings in neutrino-hadron interactions. 369292
Hungate, F.P.
Progress in developing a portable blood irradiator for medical applications. (BNWL – 2100(Pt.1)) 360319
Hunger, G.A. Jr.
High temperature gas reactor. 379669
Hunger, W.
Fast neutron radiography for extended objects by a plastic detector technique. 368273
Hungerbuehler, V.
Amplitudes and exchange mechanisms for K* resonances produced by the reactions $K^+p \rightarrow K^{*+}p$ at 10 GeV/c. 356488
Hungerford, E.V. III
Pion interactions at medium energies. Progress report, December 1, 1976 – November 30, 1977. (ORO – 3948-09) 364590
Hunt, B.R.
Image restorations constrained by a multiply exposed picture. (LA-UR – 77-1790) 360740
Hunt, G.E.
Possible climatic and biological impact of nearby supernovae. 378922
Voyager imaging experiment. 374966
Hunt, G.J.
Fallout in rainwater and airborne dust – levels in the UK during 1976. (NRPB-R – 55) 360177
Hunt, J.T.
Geometrical theory of nonlinear phase distortion of intense laser beams. (UCRL – 76834) 350854
Performance of Argus as a laser fusion facility. (UCRL – 79816) 368994
Hunt, J.W.
Reactions in spurs: mechanisms of hydrated electron formation in radiolysis of water. 357179
Temperature and solvent dependence of electron efficiency in polar liquids: water and alcohols. 362263
Hunt, L.D.
Production, L x-ray identification, and decay of the nuclide ^{260}105. 364745
Reel support for wind the magnet of the Mirror Fusion Test Facility. (UCRL – 79747) 374834
Hunt, P.S.
HTGR steam generator development. 379702
Hunt, R.P.
Assessment of gas leakage performance for elastomeric seals during a thermal transient. (CEGB-RD/B/N – 3704) 365781
Problems, properties and performance of static seals. 370999
Hunt, S.E.
Fuel recycling. 371230
The role of fast breeders in our energy policy. 355465
Hunter, G.
The scattering states of HD^+. 363901

Hunter, J.K.
The substrate-dependent photoinactivation of urocanase from rat liver. 354738
Hunter, O. Jr.
Elastic properties of polycrystalline scandium and thulium sesquioxides. 362487
Hunter, R.C.
Levels in ^{164}Yb from ^{164}Lu decay. 351373
Hunter, S.D.
Design of facilities for processing pyrophoric radioactive material. 359844
Hunter, T.O.
Heat transfer and stress problems associated with ICTR walls. 348867
Huntoon, R.T.
Chemical plating method of preparing radiation source material. 357871
Huntz, A.M.
Demonstration of carbon heterogeneities in an 18-8 austenitic steel by the technique of high-resolution autoradiography. 354550
Hunyadi, I.
Automatic spark counting of alpha-tracks in plastic foils. 352826
On the detection of low-energy ^{4}He, ^{12}C, ^{14}N, ^{16}O ions in PC foils and its use in nuclear reaction measurements. 368325
Huo, W.M.
Equivalence of semiclassical and Born total cross sections. Penning ionization of H(1^2S) by He(2^1S). 368654
Study of the Bonham series representation of the Born – Oppenheimer exchange amplitude and the derivation of a local exchange potential. 368655
Hupp, E.W.
Interaction between methyl mercury and radiation effects on nervous systems. (PB – 265873) 352038
Huppert, K.L.
Fuel reprocessing and waste treatment at Karlsruhe Nuclear Research Centre. 367202
Huppert, P.
Use of neutron capture gamma radiation for determining grade of iron ore in blast holes and exploration holes. 375977
Huq, M.
Evaluation of effective potential in superspace. 371390
Huq, S.
Specific heat anomalies of amorphous arsenic and germania between 1 sup(deg)K and 20sup(deg)K. (IC – 76-93) 361433
Hura, M.
Radiation collimator. 357868
Hurley, C.A.
Construction of a large laser fusion system. (UCRL – 79677) 374824
Experimental laser fusion devices and related vacuum problems. (UCRL – 79176) 358991, 368980
Shiva target irradiation facility. (UCRL – 79784) 377476
Hurley, R.W.
Anomalous seismic signals from Novaya Zemlya. (AWRE – 0-21/77) 357927
Hursen, T.F.
Thermoelectric generator operating with nuclear energy. (German (F.R.) patent document 1614309/C/) 355097
Hurst, F.J.
Nitric acid leaching of radium and other significant radionuclides from uranium ores and tailings. (ORNL/TM – 5944) 358501
Oxidative stripping process for the recovery of uranium from wet-process phosphoric acid. 357198
Recovering uranium from wet-process phosphoric acid. 362334
Hurst, G.S.
Collisional line broadening using laser excitation and ionization. 358794
Time-resolved production and detection of reactive atoms. (ORNL/TM – 6014) 371490
Hurst, M.J.
Measurements of the radiative widths of the first T = 1, 2^+ state of ^{20}Ne and their relationship to analog β-decays. 354182
A study of the (tau, α) reaction on ^{50}Cr. 378079
Hurt, R.F.
Time series analysis and forecasting applied to ANL TREAT experiments. 352274
Hurter, J.
Photochemistry and photobiology of ribonucleic acids, ribonucleoproteins, and RNA viruses. 365349
Huruhata, Zoji
Annular duct single-phase induction electromagnetic pump. 349996
Husain, A.
LOCA capability for utility applications. 360450
Husain, D.
Collisional behaviour of electronically excited silicon atoms, Si($3p^2(^1D_2)$), by atomic absorption spectroscopy. 377040
Husain, I.
Cask handling method and apparatus. (US patent document 4.055,508/A/) 370731
Husain, L.
Ozone transport from stratosphere to troposphere. 360195
Husain, S.R.
Need for regional cooperation among developing countries for nuclear fuel cycle centers. 351681
Regional fuel cycle centres for South and South-East Asia. 368408
Husak, A.D.
Development of seismic design criteria for category I cofferdams. 373794
Husak, V.
Commercial activity meters for nuclear medicine – results of comparing instruments made by three companies. 379901
Husar, D.
Lifetimes of the yrast states of even Ce isotopes. 372766
Recoil distance investigation of yrast states in ^{158}Dy. (ZfK – 336) 364749
Husband, J.
Urinary excretion and patterns of protein binding of iodipamide (Biligrafin forte). 365432
Huschka, H.
Coated fuel particles: requirements and status of fabrication technology. 365926
Free heavy-metal content in HTR fuel elements, targets and present status. 370964
HTGR fuel and fuel cycle technology. 368174
Method and device for coating of particles, containing fissile, fertile or absorber material, used for HTR fuel elements. (German (F.R.) patent document 2343123/B/) 352689
Method for the production of spherical fuel and breeder material particles. (German (F.R.) patent document 2459445/B/) 351693
Husinsky, W.
Energy spectrum of Na sputtered from NaI measured with an optical spectrometer. 368749
Measurements of the velocity spectrum of sputtered Na from a NaI target by a Doppler-shift laser spectrometer. 366341
Husmann, D.
Forward photoproduction of neutral pions on polarized protons in the third resonance region. 366890
Forward photoproduction of neutral pions on protons in the third resonance region. 353971, 364582
Husmann, W.
On water. Vol. 49. 378226, 378248
Huson, F.R.
Phase space cooling and anti pp colliding beams of Fermilab. 363242
Huss, D.
Strange particle production by antineutrinos. 356505
Huss, E.B.
Vapor pressure of tetrakis(2,2,6,6-tetramethylheptane-3,5-dionato)uranium. 357082
Hussain, A.
The development and use of solid-state nuclear track detectors (SSNTDs) for reactor physics experiments. 376709
Hussain, A.M.
Comparison of toxin production by clostridium botulinum type E in irradiated vacuum-packed trout (Salmo gairdneri). 376187
Hussain, F.
Unknown effects of neutron bombs. 376124
Hussain, G.
The development and use of solid-state nuclear track detectors (SSNTDs) for reactor physics experiments. 376709
Hussain, M.E.
National nuclear research institutes role in the transfer of nuclear technology. 352558
Hussein, M.S.
Under-the-barrier absorption effects in low energy heavy ion fusion reactions. 361988
Hussein, M.T.
Nucleon isobar production in proton-nucleon collision at 6 GeV/c incident proton momentum. 372504
Husseiny, A.A.
Safety considerations of nuclear power systems in non-nuclear and developing countries. 352244
Strategy of improving nuclear technology transfer processes based on field experience. 352559
Hussey, T.W.
Dynamic screening effects in plasma line broadening. 358959
Hussung, R.O.
Evaluation of the fatigue resistance of CDA 182 copper for use in the impurity study experiment fusion research tokamak (ISX). (ORNL – 5302) 377379
Huster, E.
The exoelectron phenomenon. 364041
A precision measurement of the longitudinal polarization of $^{210}_{83}$Bi(RaE)β-particles at 900 keV. 351407
Huszar, M.
Impact parameter and infinite-momentum frame kinematics. 361280
Impact parameter expansion of fields. 369293
Light front quantization by Dirac's method. 353090
Hutapea, Sumihar
Cockroft Walton accelerator prototype. (PPGM – L121-76) 365747
Study on the makinq of Cockroft Walton high tension. (PPGM – L117-76) 365746
Hutcheon, A.W.
The assessment of red cell survival in normal subjects and in patients with haemolytic disorders and ineffective erythropoiesis using the radioiron occupancy method. 379146
Hutcheon, D.A.
Elastic proton scattering from ^{4}He in the forward direction at 200, 350 and 500 MeV. 362107
Knockout reaction study with a polarized proton beam. 372780
Hutcheon, R.J.
The gross energy balance of solar active regions. 372160
Hutcheon, R.M.
Experimental measurements on a 25 MeV reflexotron. 363340
Improved reference cavity design for frequency tracking of rf accelerating structures. 363262
Hutcherson, M.N.
Nonequilibrium critical discharge of saturated and subcooled liquid Freon-11. 373857

Hutchings, J.B.
Optical observations of X-ray binaries. 369110
The ultraviolet spectrum of beta Lyrae. 369095
3U 1700-37 = HD 153919: review. (CONF-7510169 –) 364346
The 580-day and other periodicities in X Persei. 359101
Hutchinson, D.P.
ORNL plasma diagnostic research. (CONF-770434 – 5) 350873
Status of the USA program on the development of submillimeter lasers to measure ion temperatures. (CONF-770954 – 5) 377343
Hutchinson, F.
Effects of radiations on DNA and repair of the damage. Progress report, May 1, 1976 – March 31, 1977. (COO – 3571-17) 360241
Hutchinson, F.D.
Practical training and education for nuclear power engineers in rapidly industrializing countries. 352560
Hutchinson, I.H.
Electron cyclotron emission in ALCATOR tokamak. 348926
High-density discharges in the Alcator tokamak. 368947
Hutchinson, J.J.
On-site reconstitution of 108 St. Lucie I fuel assemblies. 358218
Hutchison, J.L.
Electron beam-induced reactions in the system Ga_2O_3-Nb_2O_5. 373349
Huth, F.
Application of radioactive tracers for the assessment of lymph drainage of the inner eye. (INIS-mf – 4010) 370439
Hutson, R.L.
Application of protons to computer tomography. (LA-UR – 77-2385) 373567
Measurement of the depolarization rate of positive muons in copper and aluminium. 358874
Tuning the beam shaping section of the LAMPF Biomedical Channel. 363310
Use of muonic x rays for nondestructive analysis of bulk samples for low Z constituents. 372918
Hutta, J.J.
Investigations of phase relations and eutectic directional solidification on the NiAl-V join. 373252
Huttel, E.
The polarized proton capture reaction $^{7}Li(p, \gamma)^{8}Be$ in the energy range from 380 to 960 keV. 354273
Hutter, E.
Development of ^{85}Kr separation from the off-gas of the large reprocessing plant: Findings of the prototype test plants ADAMO and KRETA. (AED-Conf – 77-403-004) 375737
Multiple lead seal assembly for a liquid-metal-cooled fast-breeder nuclear reactor. (US patent document 4,012,282/A/) 352759
Separation of krypton and xenon from the offgas of nuclear facilities. (KFK – 2435) 357914
Tubular gage for a liquid-metal-cooled fast breeder reactor. (US patent document 4,028,811/A/) 374183
Hutton, A.
CERN 400 GeV proton storage rings with superconducting magnets. 363145
e-p facility in the CERN SPS. 363160
Hutton, P.H.
Detection of stress corrosion in stainless steel piping by acoustic emission. 365788
Program to develop acoustic emission-flow relationship for inservice monitoring of nuclear pressure vessels. Progress report, February 1 – July 1, 1977. (BNWL – 2232-2) 374204
Huwyler, S.
A possible new application of HTGR process heat: Zinc- and aluminium-making processes. 379682
Problems of natural uranium supply. 361163
Huyskens, P.
Elucidation of non-radical processes in radiation chemistry. 369788
Hvelplund, P.
Electron capture and loss by metastable and ground-state N^+ ions in collision with inert gases. 366379
Production of 10-80 keV negative heavy ions by charge exchange in Na vapour. 379501
Production of 15-90 keV negative heavy ions by charge exchange with Mg vapour. 373926
Hwa, R.C.
Generalization of quark parton model – a study of sigmasub(L)/sigmasub(T) and large ksub(T). (RL – 77-117/A) 361813
Nonconversation of muon number in a broken SU(4) x U(1) gauge theory. 351149
Hwang, I.T.
Comparison of experimental data with COBRA-3M prediction for an LMFBR loss-of-piping-integrity transient. 352245
Hwang, J.L.
Pediatric phantoms. (ORNL – 5171) 367597
Hwang, J.M.L.
Dosimetry for human exposures. (ORNL – 5171) 367525
Hwang, R.J.
Intramolecular isotope effect in laser multiphonon dissociation of CH_2DCH_2Cl. 369614
Hwang, W.G.
Economic evaluations of fusion-based energy storage systems in an electric utility. 371895
Hwang, W.P.
Beta decay and muon capture in the A = 12 nuclei: Second-class currents and conserved-vector current. 351290
Hwang, Y.C.
Susceptibility of solid ^{3}He near the ordering temperature. 366788
Hwang, Y.S.
^{93}Nb Knight shift and quadrupole coupling parameters in the orthorhombic β phase hydride and deuteride of niobium. 358879
Hyde, J.M.
The Rainich problem for coupled gravitational and scalar meson fields. 366274
Hyer, F.K.
Hybrid computer simulation of the LOFT plant. (LTR – 10-2B) 379656
Hyer, R.C.
Sub-picosecond proximity-focused visible streak camera evaluation and application. (LA-UR – 77-1872) 361584
Hykes, D.L.
Radiation-induced DNA damage and lethality in E. coli as modified by the antitumor agent cis-dichlorodiammineplatinum(II). 365367
Hyla-Kryspin, I.
Investigations on the structure of u-oxochlororuthenate (4) by the isotopic exchange method. 354387
Hylten, G.
Mass yields in the binary fission of Ag, La and Tb. 362035
Mass yields in the binary fission of Ag, La, and Tb. (LUNFD6-NFFR – 3013) 375150
Hylton, R.
Dilepton production by neutrinos in neon. 351210, 353929
Hyman, C.R.
PWR blowdown heat transfer separate-effects program data evaluation report: system response for thermal-hydraulic test facility test series 100. (ORNL/NUREG – 19) 373825
Hyman, J. Jr.
Ion extraction system study. Final report. (UCRL – 13737) 360556
Hyman, L.G.
One-, two-, and three-particle distributions in pp collisions at 205 GeV/c. 372529
Hynek, L.
The concept of nuclear heat application in the Czechoslovak chemical industry. (INIS-mf – 4055) 368423
Hynes, M.A.
Expansion of a negative pi-meson peak to cover a range of depths useful for radiotherapy. 365355
Hynes, M.V.
Transverse electron scattering from ^{39}K. (INIS-mf – 3946) 349139
Hyodo, Kayo
Basic study of an introduction of ^{123}I to thyroid examination with RI in vivo. 379186
Hyodo, T.
Backscattering of gamma rays. 361929
Hyuga, H.
Breakdown of the Siegert theorem and the many-body charge density operators. 372623
Iachello, F.
Calculation of the spreading widths of the deep-lying hole states in the odd tin isotopes. 377906
Transitional nuclei in the I.B.A.-model. (INIS-mf – 4267) 377934
Iacob, V.
FLUXCAN – A new method for fast calculation of power distribution in "CANDU-600" nuclear reactor. (ITN – 111) 358607
Iacona, C.
Structure of the $HNCH_2CO_2^-$ radical trapped in α glycine single crystals. 369789
Iacono, J.V.
Peach Bottom decommissioning and component removal. 358573
Peach Bottom HTGR decommissioning and component removal. (GA-A – 14297) 358256
Iacovino, J.M. Jr.
Financing nuclear power plant pollution controls. 379253
Iafrate, G.J.
Beam-density effect on the stopping of fast charged particles in matter. 368675
Low-temperature specific heat anomalies in the group V transition metals. 367258
Iagolnitzer, D.
The pole-factorization theorem in S-matrix theory. 374565
Iancu, E.
The ^{90}Sr, ^{137}Cs, ^{3}H and ^{131}I content in surface water and sediments of the Danube, Olt and Arges river and in milk samples for the year 1972. 357518
Ianniello, L.C.
Materials sciences overview. II. Workshop reports. A series of workshops recommending future directions in energy-related basic materials research. (ERDA – 77-76/2) 362348
Iannotta, S.
Interaction of spin selected atomic hydrogen with surfaces. 368735
Iansiti, E.
The development of IAEA safety codes and guides for thermal neutron nuclear power plants. 370631
Ianus, S.
Space-times carrying a quasirecurrent pairing of vector fields. 350541
Iarocci, E.
Electron-positron bremsstrahlung at ADONE. A new limit for the existence of a heavy electron. 361767
Iba, Hajime
Gas centrifuge. 349927
Iba, K.
High power CO_2 laser system for plasma research (Lekko I). (IAEA – 200) 353600
High-power electro-ionization CO_2 laser system for thermonuclear research. 363114
Iba, Shozo
X-ray diagnosis in the field of obstetrics and gynecology and reduction of exposure dose. 367838

Ibach, H.
Surface vibrations and the nature of the adsorption state: C_2H_2 on Pt(111). 353439
Ibadov, R.M.
Spin correlations in case of pion-pair photoproduction on a nucleron near nucleon resonances and pho – meson dominance. 349072
Ibadzade, Eh.K.
Behaviour of cadmium during hydrometallurgical processing of zinc ore. 375611
Ibamoto, Kazuko
Effect of fat intake on cholesterol turnover and bile acid formation. 349841
Ibarra, R.H.
Two-body surface correlations in ^{18}O. 354070
Ibe, L.D.
Development of the nuclear power program of the Philippines. 360876
Gaining public acceptance for nuclear power. The Philippine approach. 370573
Philippine experience in technology transfer in atomic research. 352561
Prospects and problems of nuclear power in the Philippines. 371320
Public acceptance dimensions of nuclear technology transfer in the Philippines. 352246
Technology transfer in the implementation of nuclear power in the Philippines. 352465
Trace elements in relation to cardiovascular disease. (IAEA-R – 1812-F) 376863
Ibe, Yukimi
Concrete containment vessels (CCV) for nuclear power plants, (1). 368016
Iben, I. Jr.
Neutron-capture nucleosynthesis in the helium-burning cores of massive stars. 364362
S-process nucleosynthesis in thermally pulsing stars. 359177
Ibragimov, A.
Resistance of cotton radiomutants and their initial forms to low positive temperatures. 362676
Ibragimov, I.A.
On feature of gamma ray energy spectrum during August 4, 1972 solar flare event. 377617
Ibragimov, M.Kh.
Hydraulic resistance of tubes with artificial roughness at low Reynolds numbers. (FEI – 559) 349982
Study on associated masses and dumping factors during vibrations of cylinders in viscous liquids. (FEI – 585) 365692
Ibragimov, R.I.
Improvement of rotor-pulsation apparatuses for machining of high-abrasive media. (INIS-mf – 3914) 349572
Ibragimov, R.M.
Computer simulation of the extended target radiation damage by medium energy protons. (INIS-mf – 3996) 377202
Inelastic contribution to the radiation damage of Cu and Ni exposed to charged particles. (KFTI – 75-35) 353440
Ibragimov, Sh.Sh.
Computer simulation of the extended target radiation damage by medium energy protons. (INIS-mf – 3996) 377202
Inelastic contribution to the radiation damage of Cu and Ni exposed to charged particles. (KFTI – 75-35) 353440
The role of inelastic processes in the displaced atom production under irradiation of materials by neutrons and charged particles. (INIS-mf – 3996) 364042
Ibraimov, Ch.
Study of state of N-methylanabasine-α'-azo-3,4-dimethylphenol and its indium complexes in solutions. 378287
Ice, R.D.
New and superior adrenal imaging agent, ^{131}I-6β-iodomethyl-19-nor-cholesterol (NP-59): evaluation in humans. 357652
Icerman, L.
Perspectives on the worldwide debate and public opinion on nuclear power. 357785
Ichiba, S.
Moessbauer effect of ^{129}I in mercury(I)iodide. 356051
Ichiba, Sumio
Moessbauer absorption spectra of ^{119}Sn in single crystals of $(CH_3)_2SnF_2$ and $(CH_3)_2SnCl_2$. 348830
Ichihara, Shigeyasu
Studies on phenylalanine metabolism by use of tracer techniques. 378417
Ichihashi, Toshiko
Extraction-photometric determination of cobalt in high-temperature alloys with 2-nitroso-5-dimethylaminophenol. 354294
Ichikawa, Hisatsugu
Biological fate of butylated hydroxytoluene (BHT) in rats, (4). 352161
Biological fate of butylated hydroxytoluene (BHT) in rats, 1. 352158
Ichikawa, M.
Irradiation experiments of uranium carbide, carbonitride, and nitride fuels in JAERI. 379823
Ichikawa, Masakazu
Generalized Bethe potential in reflection electron diffraction. 358880
Ichikawa, Michio
Behavior of irradiated oxide fuel. 350159
Ichikawa, Sadao
Influence of very low level radiation. 379254
Somatic mutation frequencies in the stamen hairs of stable and mutable clones of Tradescantia after acute gamma-ray treatments with small doses. 354762
Ichikawa, T.
Further evidence on the formation of trapped electrons in γ-irradiated crystals of hydrocarbon – urea clathrates as studied by electron spin resonance. 378518
Ichikawa, Y.H.
Contribution of higher order terms in the reductive perturbation theory, 2. (IPPJ – 277) 353564
Nonlinear propagation of the ordinary mode in a hot magnetoplasma. (IPPJ – 265) 353573, 368965
Solitons in plasma and other dispersive media. (IPPJ – 283) 366559
Solitons, envelope solitons in collisonless plasmas. (IPPJ – 298) 377437
Ichikawa, Yasumaru
Superfluid film of helium near the lambda-point. 353728
Ichikuni, M.
Partition of strontium between gypsum and solution. 372966
Ichikuni, Masami
The standard reference materials and the precision of analytical values in environmental analysis. 359560
Ichimura, Hiroshi
Performance evaluation and fundamental problem of the ACTA scanner. 374331
Ichimura, M.
Tokamak plasma heating by application of strong poloidally induced electric field. (INIS-mf – 3963) 371896
Ichinokawa, T.
Secondary electron emission from solid targets under bombardment with 20 keV H^+. 368854
Ichinose, Hiroyuki
On high temperature strength of carbon steels. 367252
Ichinose, Shin-ichi
Theory of Kondo effect in superconductors, 2. 377687
Ichitsubo, Hidenori
Ultrastructural studies on the blood-brain barrier. 367498
Ichtchenko, G.
Rf heating experiments in the Wega Tokamak. 358916
Ida, M.
Canonical formalism on a lightlike hyperplane. 361281
Iddings, F.A.
Determination of cement content in soil-cement mixtures and concrete. Final report, 1 June 1971 – 1 June 1975. (PB – 270669) 378121
Idehara, T.
Reactive medium instability of the space charge wave of ion beam in a plasma. 366560
Idehara, Toshitaka
Instability of the Trivelpiece mode in a magnetized beam-plasma system. 371897
Ion Bernstein wave in an ion beam-plasma system. 353641
Ido, T.
Radiopharmaceuticals. XXVII. ^{18}F-labeled 2-deoxy-2-fluoro-D-glucose as a radiopharmaceutical for measuring regional myocardial glucose metabolism in vivo: tissue distribution and imaging studies in animals. 373600
Ido, Tatsuo
Production of radioisotopes for medical use. 355069
Idoine, J.D.
Tomographic scintigraphy of regional myocardial perfusion. 357641
Idrichan, G.Z.
Mobility of charge carriers in Cusub(2-x)X. 369705
Idrisov, T.Ch.
Synthesis and magnetic properties of the vanadium carboxylate complexes. 369621
Idriss, K.A.
Ce(III), Th(IV) and U(VI) chelates of alizarin viridine, alizarin heliotrope and alizarin maroon. 357022
Idschok, U.
Diffraction dissociation in the reaction $pp \rightarrow p\Lambda K^+$ at 12 and 24 GeV/c. 353969
Dissociation of the proton into $(p\pi^+\pi^-)$ in the reaction $pp \rightarrow pp\pi^+\pi^-$ at 12 and 24 GeV/c. 353940
Investigation of diffraction dissociation in single pion production reactions in nucleon-nucleon collisions at 12 GeV/c. (BONN-HE – 75-1) 366881
Idzenga, S.
Decay studies of some nuclei around Z = 50: sup(106 m)Ag, sup(103, 119, 121)Cd. (INIS-mf – 3946) 362070
Investigation of ^{119}In and ^{121}In. (INIS-mf – 4267) 378007
Properties of odd Ag isotopes. (INIS-mf – 4267) 378015
Idzikowski, A.
Laser micro-analysis of rare earth ores and minerals. 372875
LMA-1 laser micro-analyzer as an excitation source in the quantitative spectra analysis. 372874
Idzko, J.
Study of E2 transition probabilities in ^{194}Pt. 356893
Ieda, M.
Anomalous luminescence from oxidized polyethylene in a high-temperature region. 351901
The influence of oxidation on thermally stimulated currents from trapped carriers in high density polyethylene. 351911
Ieda, Masayuki
Thermoluminescence of gamma-irradiated polyethylene in high temperature region. 349594
Ieiri, T.
rf acceleration in KEK booster. 363278
Ierusalimov, A.P.
Topological cross sections of np-interactions in the monochromatic neutron pulse range from 1 to 5 GeV/c. (JINR – 1-8565) 356475

Ievlev, V.M.
Preparation of epitaxial rhenium films. 349396
Preparation of refractory monocrystal films by condensation in vacuum. 359877
Iga, K.
Composite TLD based on $CaSO_4$:Tm for γ-rays, X-rays, β-rays and thermal neutrons. 371106
Igamberdyev, K.R.
Study on the C^{12} – p + X inclusive reaction at PC = 40 GeV. (JINR-R – 1-9021) 364558
Igarashi, M.
Semileptonic decays of the D-mesons in a spectrum-generating SU_4. 364512
Igarashi, T.
Beam lifetime in the initial operation of KEK main ring. 363134
Igarashi, Tsutomu
Liquid metal cooled nuclear reactor. 368228, 368229
Safeguarding apparatus for liquid metal cooled nuclear reactors. 350259
Igarashi, Y.
Non-leptonic decays of hyperons in the quartet model. 356431
Igarashi, Yuji
Transverse momentum in the multiple production processes and urbaryon rearrangement model. 353829
Unified description of the nonleptonic hyperon decays in the quartet model. 353830
Igarashi, Z.
Beam profile measurements for KEK 12 GeV proton synchrotron. 363265
KEK beam position monitor system. 363344
Simple Q-measurement of KEK proton synchrotron. 363304
Igarasi, Sin-iti
Evaluation of neutron nuclear data for ^{243}Am. (JAERI-M – 7174) 366984
Evaluation of neutron nuclear data for ^{244}Cm. (JAERI-M – 7175) 366983
Japanese list of requests for neutron nuclear data for fission reactors. (JAERI-M – 7081) 366985
Neutron cross sections of ^{6}Li. (JAERI-M – 7148) 366988
Igari, Kuniyuki
Neutron monitoring instrumentation for BWR nuclear power plant. 360855
Igata, Naohiro
Heavy irradiation damage at high temperature in metallic materials. 367331
Igel, H.
In-situ measurements of root distributions of cultivated plants by means of ^{86}Rb. 352140
Igi, K.
Bounds for Regge slopes and intercepts for ordinary and new hadrons. 361814
Factorization of Regge slopes for ordinary and new hadrons and their spectroscopy. 351165
Igitkhanishvili, D.D.
Effect of transformations of radiation induced defects on the electric conductivity and EPR of LiF crystals. (INIS-mf – 3245) 349589
Igitkhanov, Yu.L.
A possibility of wall-protecting cold-plasma layer formation in a tokamak reactor. 371898
Iglitsyn, M.I.
Second phase inclusions in silicon doped with samarium. 362375
Ignash, R.T.
Extraction-titrimetric methods of determination of boron by 3-methyl butandiol-1,3 in the presence of macroquantity of other ions. (INIS-mf – 4191) 375282
Ignasheva, L.P.
Effectiveness of automyelotherapy of irradiated dogs depending on the number of transplanted cells. 376110
Ignat'ev, L.P.
A high-power laser system for thermonuclear fusion experiments. (IAEA – 200) 353513
Ignat'ev, P.P.
Anisotropy of solar protons and inhomogeneities of the interplanetary medium. 356284
On anomalous anisotropy of solar cosmic ray flux in September 1973. 377661
Ignat'eva, L.A.
Investigation into interaction of CO_2 molecules with zeolites by infrared spectroscopy. 349225
Study of active centers of alkaline earth zeolites of type Y by infrared spectroscopy. 375504
Ignat'eva, L.I.
Influence of second-sphere cation on absolute intensity of valence vibration bands in infrared spectra of fluoride complexes. 349288
Ignat'eva, N.I.
On raising of the Curie temperature of the EuO magnetic semiconductor. 374685
Ignat'eva, T.I.
New complex compounds of osmium (4,8) and ruthenium(4) with 2-mercaptobenzimidazole, 2-mercaptobenzoxazole and 2-mercaptobenzothiazole. (INIS-mf – 4192) 375426
Ignatenko, M.A.
High-pulsed parts of spectra of secondary particles from collisions of 6,3 GeV/C deuterons with protons, deuterons and carbon nuclei. (JINR-D – 1,2-9342) 356486
Ignatov, B.G.
Pulsed nuclear quadrupole resonance radiospectrometer. (Soviet patent document 441508/A/) 355604
Ignatov, D.V.
Electron diffraction study of the interaction of thin ruthenium and iridium films with air oxygen. 378647
Electronographic study of carburization and oxidation of thin tungsten and molybdenum films. 349373
Investigating the interaction of oxide cathode core of nickel-rhenium lanthanum or nickel-tungsten-lanthanum alloys with its surface coating. 357323
Metal diffusion in oxide cathode. 357322
Ignatov, V.I.
Determination of bismuth and lead in ferroniobium by the method of inversion voltammetry. 372910
On the "memory" effect and its relation to the mechanism of formation of mercury-graphite electrode in inversion voltammetry. 372908
Ignatov, Yu.I.
Solvation and sorption properties of KU-2 cationite in nonaqueous acetic acid. 362172
Sorption of mineral ions from their solutions in ketones. 359618
Ignatova, E.A.
N-type silicon conductivity conversion under the action of high-speed helium ions. (KFTI – 74-47) 353407
Ignatova, N.K.
Polarographic determination of europium in rare earth phosphates in the presence of titanium. 378122
Ignatovich, V.K.
Influence of magnetic field inhomogeneities on spontaneous and resonance depolarization of ultracold neutrons. (JINR-R – 4-8253) 354003
Stationary and nonstationary flow of ultracold neutrons along a guide tube in the frame of the diffusion approximation. 377840
Ignatowska-Switalska, H.
Radioimmune method for determination of aldosterone in urine. 367699
Ignatyuk, A.V.
Anomalous effect of angular momentum on light nuclei fission by protons and alpha particles. (FEI – 538) 356610
Fission of preactinide nuclei. Angular anisotropy of (α,f) reaction. 375181
Igo-Kemenes, P.
Measurement of the $(K^+ \to \pi^0\mu^+\gamma)/(K^+ \to \pi^0 e^+\gamma)$ branching ratio. 356509
Igo, G.
Differential cross sections for p-^{4}He elastic scattering at GeV energies. 354220
Igolinskij, V.A.
Comparative investigation of analytic characteristics of thin-layer flowing- and pulse systems. 356946
Igoshin, V.I.
DF-CO_2 chemical amplifier of light short pulses. 376328
Iguchi, E.
The catalytic activity of several tungsten oxides for the oxidation of propene. 351483
Iguchi, H.
Electron heating and anomalous transport in the initial stage of turbulent heating of a plasma. (IPPJ – 299) 377438
Measurements of dispersion relation of waves in a turbulently heated plasma by microwave scattering method. (IPPJ – 291) 366590
Observation of current driven ion sound wave in a turbulently heated plasma (the MACH II). 356078
Observation of current-driven ion sound wave in a turbulently heated plasma (THE MACH II). (IPPJ – 274) 353506
Iguchi, I.
Observation of a first-order transition in nonequilibrium superconducting lead films. 372332
Study of the nonequilibrium state of superconductors by large quasiparticle injection from an external current source. 359200
Iguchi, Katsuzi
Anti p-p interactions for annihilation and non-annihilation processes. 359268
Iguchi, Tadashi
Data report on series 3 reflood experiment. (JAERI-M – 6983) 350222
Report on series 3 reflood experiment. (JAERI-M – 6981) 350229
Iguchi, Tetsuo
Radio brightness distribution of M 17 and Orion A at 3.5-mm wavelength. 366698
Igumnov, B.N.
Time interval-to-digital code converter on intergrated circuits. 361076
Igumnov, M.S.
Density and viscosity of LiF – YF_3, LiF – LaF_3 melts. 369593
Investigation into reaction of rare earth oxides with LiF-LnF_3 molten systems. (INIS-mf – 4193) 375529
Ihara, Toshihiko
Electron-microscopic changes in squamous cell carcinoma of the uterine cervix following linac irradiation. 349762
Ihara, Yoshihito
On high temperature strength of carbon steels. 367252
Ihle, P.
Influence of the size and shape of cooling channel blockages on the emergency core cooling in the reflood phase of a LOCA. (KFK – 2435) 357796
Reflood experiments with bundles of ballooned rods. 376515
Ihlo, J.E.
Immediate action of L-2,3,5,6-tetrahydrophenylimido (2,1b) azothiazol (levamisole) on the phagocytosis of inert radiocolloidal particles. 373585

Ihmels, G.
Application of a spiral resonator for bunching picosecond heavy-ion pulses. 363263
Heidelberg 3MV c-w heavy ion postaccelerator section using independently phased spiral resonators. 363266
Ihrig, E.
A local relativistic red-shift effect. 369111
Iida, K.
Changes in fatigue crack shape during growth. (IAEA – 189) 360807
Iida, S.
Development of an in-core flow meter for the LMFBR. (CONF-760503 – P2) 352742
Flow measurement by ultrasonic method. (CONF-760503 – P2) 352714
Iida, Shoji
Reactor instruments. 360808
Iida, Shozo
Effects of gamma-ray irradiation on tensile properties of ultradrawn polyethylene. 360095
Iida, Shuichi
Moessbauer study of the low temperature phase of magnetite (Fe_3O_4). 353463
Iida, Yasuhiro
Isolation of Saccharomyces cerevisiae mutants defective in acyl coenzyme A synthetase. 373767
Iijima, Susumu
Calculation program for fast reactor design, 2. (JAERI-M – 6993) 350443
Iijima, Toshinori
Behaviors of radioactive materials in food-chains. (NIRS-M – 20) 379339
Iijima, Tsutomu
Measurement of anisotropy of diffusion coefficient in plate cell. 374139
Iijima, Y.
Diffusion of vanadium, chromium, and manganese in copper. 357279
Iino, M.
Radical production form the interaction of closed-shell molecules. 4. 1,4-diradicals and the isotope effects on the spontaneous polymerization of pentafluorostyrene. 364988
Iinuma, Takeshi
Beta particle dose rates to micro-organisms in soil. 349719
Fundamental studies on clinical application of ^{13}N-ammonia. 349805, 349837
Iio, Masaaki
Plans for some clinical application of short-lived isotopes produced by ultra compact cyclotron. 350064
Iiyoshi, A.
Alfven-wave heating experiment in the heliotron-D. 364235
Shear Alfen wave heating experiment in the Heliotron D. (INIS-mf – 3963) 372070
Iizawa, K.
Behaviour of corrosion product from irradiated stainless steel in flowing sodium. (IWGFR – 7) 360995
Brief description of out-of-pile test facilities for study in corrosion and fission product behaviour in flowing sodium. (IWGFR – 7) 360976
Iizuka, H.
Lanthanum diluted cerium magnesium nitrate thermometer for milli-kelvin region. 360622
Iji, Teruo
Operating experience at Genkai Nuclear Power Plant. 350223
Ijiri, K.
A note on immediate mortality in the fish Oryzias latipes after exposure to massive γ-radiation. 379021
Ijspeert, A.
External proton beam lines and the splitter systems of the CERN SPS. 363215
Ikari, Katsuaki
Quantities of radioactive wastes from nuclear fuel cycle. 355633
Ikarimoto, Iwao
Mechanism for preventing erroneous loading of nuclear reactor core. 350135
Vent mechanism. 360977
Ikawa, Mieko
Biological fate of butylated hydroxytoluene (BHT) in rats, (2). 352168
Biological fate of butylated hydroxytoluene (BHT) in rats, (3). 352159
Biological fate of butylated hydroxytoluene (BHT) in rats, (4). 352161
Biological fate of butylated hydroxytoluene (BHT) in rats, 1. 352158
Ikawa, Yukio
Cause of defect in the end plug welding of the JOYO fuel pin. (PNCT – 831-76-01) 379799
Ikebuchi, Hideharu
Radiolysis of benzyl alcohol in aqueous solution by external gamma-irradiation. 359781
Ikeda, Akihiko
New separation method of isotopes. 360559
Separation method with efficiency improved. 360558
Ikeda, Hirokazu
Differential cross sections for single pion photoproduction from protons in the energy range between 500 MeV and 930 MeV. 372696
Ikeda, I.
Basic studies of various ^{99}sup(m)Tc-labelled renal agents and clinical application of ^{99}sup(m)Tc-malate. 352165
Ikeda, M.
Flexible multifilamentary compound superconductor. 359884
Ikeda, S.
Anion coordination to uranyl ion and the luminescence lifetime of the uranyl complex. 369755
On a "nonlocalization" of a unified field. 353091
Quenching mechanisms of uranyl luminescence by metal ions. 369756
Quenching of uranyl luminescence by water molecule. 369678
Some Finslerian features underlying the theory of physical fields. 353092
Some information theoretical aspects of the gravitational field. 363789
Ikedo, M.
Composite TLD based on $CaSO_4$:Tm for γ-rays, X-rays, β-rays and thermal neutrons. 371106
Ikegami, Akihiko
Intensity dependence of He II resonance radiation on helium gas pressure. 371537
Ikegami, H.
Annual report of Research Center for Nuclear Physics, Osaka University. 361239
Effects of global field errors on ELMO Bumpy Torus. (ORNL/TM – 6075) 368983
Study on a methane-steam reformer by high-temperature helium. 379692
Ikemoto, Yoshikazu
High temperature low-cycle fatigue strength of Hastelloy X. 354560
Some considerations on the high temperature low cycle fatigue criteria for VHTR. 350102
Ikemura, Tsutomu
Nonlinear electrostatic ion cyclotron waves in an rf-plugged inhomogeneous plasma slab. (IPPJ – 275) 353565
Ikeuchi, Kenji
Diffusion welding of molybdenum to hastelloy alloy X. 359869
Ikeuchi, Satoru
Resonant three-wave interactions of density waves in a self-gravitating disk. 358960
Ikezawa, S.
Observation of the azimuthal angle of T-D mode induced scattering from ion sound wave parametrically excited in T-D resonance. 356117
Ikezi, H.
Nonlinear self-modulation of ion-acoustic waves. (IPPJ – 289) 366561
Ikezoe, Yasumasa
Operation report on the low temperature fissiochemical loop (LTFL), 7. (JAERI-M – 7246) 379840
Ikhlov, E.M.
Physical characteristics of fast power reactor fuel and their effect upon the fuel cycle. 368196
Physical characteristics of spent LMFBR fuel. (IAEA-AG – 63-13) 363486
Ikossi, P.G.
Spin-parity combinations in ^{32}P from the ^{34}S(d(pol), α)^{32}P reaction. 366964
Iksanov, B.A.
Spreading of iron-nickel alloys on ZrC and nickel-cobalt alloys on ZrN. 349475
Ikuo Sogami
Nonlocal field theory of the quark model. (JINR-D – 2-9788) 374566
Ikushima, A.
Thermal transport coefficients in ^{3}He-^{4}He mixtures near the lambda line. 372344
Ikushima, Takaji
Chromosomal DNA replication of Vicia faba cells. 367453
Mechanism of chromosomal aberration formation. 354739
Ikushima, Takeshi
Analysis of fuel performance in core Mark-III of experimental multi-purpose very high temperature reactor. (JAERI-M – 6945) 358243
Ikuta, K.
Equilibrium of REB-ring with soft-core. (IPPJ – 260) 353566
An expression for β in linked min-B configurations. 371899
Ikuta, Kazunari
Landing of REB ring on equilibrium orbit. (IPPJ – 261) 353595
New lens system using toroidal magnetic field for intense ion beam. 353594, 353596
Ikuta, Shigeru
Fragmentation by β-decay in tritium-labelled compounds, (1). 354401
Ikuta, Takashi
Nonlinear modulation of spatial waves in a steady plasma flow. 353567
Il-Tong Cheon
Pion radius and electromagnetic mass difference from the phenomenological pion form factor. 364513
Il'chenko, L.I.
Extraction of hafnium rhodanides by cyclohexanone from hydrochloric-acid solutions. 351586
Il'chenko, N.I.
Catalytic oxidation of ammonia. 349226
Il'icheva, L.A.
Corrosion-electrochemical behaviour of Mo_2C in sulphuric acid solutions. 354466
Il'icheva, Z.F.
Spectroscopic study of structural chemical transformations in polyvinylidenefluoride under action of ionizing radiations.

354428
Il'in, A.A.
Aluminium effect on the physical properties of titanium. 375865
Texture of welded joints of commercial titanum alloys. 378579
Il'in, L.A.
Contribution to estimation and the standardization of the maximum permissible in-take of iodine radioactive isotopes by human organism. (INIS-mf – 3913) 376211
Evaluation, prediction and regulation of population exposure doses in connection with nuclear power plant operation in the USSR. 367758
Metabolizm and acceleration of excretion of the inhaled americium-241. 357614
Il'in, M.K.
Mass-spectrometric study of evaporation of potassium, rubidium and cesium nitrates. 378207
Il'in, V.D.
Variation of the charged particle magnetic moment during nonadiabatic motion in a dipole field. 377439
Il'in, V.I.
Neutron transport in a semispace with source. 375081
Small-sized analyzer of low-energy photoelectrons. 371091
Il'in, V.V.
Homologous blood effect on the effectiveness of active immunization of irradiated animals with intestinal bacteria. 370340
Il'in, Yu.L.
Crystallization of solid solutions of InP-GaP system from stoichiometric melts. 364961
Il'in, Yu.M.
Ksub(lsub(3))- and Ksub(lsub(4))-formfactors in nonlinear chiral calibration SU(3) x SU(3) model. 364514
Il'ina, A.N.
High temperature thermomechanical treatment of carburized steel. (INIS-mf – 4046) 369875
Variation of the charged particle magnetic moment during nonadiabatic motion in a dipole field. 377439
Il'ina, L.D.
Formation enthalpy of lanthanum and neodymium trifluorides. 359630
Il'ina, N.P.
Study on spatial and energy distributions of muons from extensive air shower by means of a magnetic spectrometer. 362615
Il'ina, V.L.
On cross-sections of interaction of relativistic alpha-particles with nuclei. (JINR-R – 1-10592) 375151
Il'inich, G.N.
Oxidative dimerization of benzene to diphenyl in the presence of heterogeneous catalysts. 378378
Il'inov, A.S.
Reactions induced by high-energy particles and nuclei. (KFTI – 74-27) 354041
Il'inskij, I.I.
Active liquid media effect on the structural -stress state of metals during fatigue. 378730
Il'inskij, S.I.
Dynamical stabilization of MHD current instabilities in a toroidal system with resonant excitation of helical HF waves in a plasma. (INIS-mf – 3963) 371809
Il'inskij, S.Y.
The wave excitation in a plasma at a helical resonance HF heating. (INIS-mf – 3963) 371808
Il'inskij, V.N.
Isotropic metagalactic background and galactic gamma radiation in the energy range from 0.03 to 4.1 MeV from "Kosmos-461" observations. 364378
Il'kanaev, G.I.
Device for flattening statistically distributed pulses. 358427
Il'kova, S.B.
Polarographic determination of molybdenum, tungsten and titanium in joint presence. 378137
Il'yasov, T.M.
Character of glass forming in As_2Se_3-GaS and As_2Se_3-GaTe systems. (INIS-mf – 4040) 378785
Il'yasova, K.I.
Neutron activation analysis data of admixture-elements in sulphides of tin-ore fields. 351924
On the question of precision and the correctness of instrumental neutron activation analysis of geological samples. (INIS-mf – 3994) 378103
Ilamed, Y.
A functional-integral equation associated with the Boltzmann equation for monoenergetic neutron transport slab geometry. (IA – 1338) 364607
Ilan, Y.A.
Generation of the hydroxylation agent from superoxide radical: can the Haber Weiss reaction be the source of OH radicals. Progress report, September 1, 1976 – July 1, 1977. (COO – 3221-45) 357144
Oxidation of α and β chains by ferricyanide in a one-site reduced methemoglobin. Progress report, September 1, 1976 – July 1, 1977. (COO – 3221-46) 357151
Ilani, O.
Regulatory inspection of nuclear power plants in NEA member countries. (SINDOC – 77-91) 374486
Ilberg, D.
Availability and reliability analysis by Markov models. (INIS-mf – 4052) 367761
Designing for safety in fast reactors in the presence of uncertainties. (CONF-761001 – P2) 365530
Evaluated delayed neutron spectra and their importance in reactor calculations. 362100
Relative hazard potential: the basis for definition of safety criteria for fast reactors. (PB – 266617) 360428
Utilization of the deterministic and probabilistic approaches in the analysis of accidents in nuclear power plants. (INIS-mf – 4052) 373829
Ilbery, P.L.T.
Cytogenetic findings 30 years after low level exposure to the Nagasaki atom bomb. 349760
Ilchev, G.
Kinetic energies of fragments in first resonances of ^{235}U. (INIS-mf – 3896) 356741
Multilayer ionization fission chamber with cooling of the fissile targets down to 77°K. (LA-tr – 77-35) 358338
Ilenchik, J.
Diffusion of solar protons from the flare of August 7, 1972. 357535
Ilencik, J.
Polar coupling coefficients for cosmic ray multiple neutrons with energies up to 15 GeV. 367422
Iles, W.J.
Instrument evaluation no. 2. Eberline portable ion chamber model RO-1. (NRPB-IE – 2) 376667
Instrument evaluation no. 3. Eberline portable ion chamber model RO-2. (NRPB-IE – 3) 376666
Instrument evaluation no. 4. Nuclear Enterprises gamma dose rate meter type 2604. (NRPB-IE – 4) 376665
Instrument evaluation no. 5. Wallac OY universal radiation survey meter type RD-8. (NRPB-IE – 5) 376664
Instrument evaluation no. 6. Victoreen 440RF/A shielded low-energy x-ray survey meter. (NRPB-IE – 6) 376635
Instrument evaluation no. 7. D.A. Pitman Ltd., model 614 'Raditec' beta/gamma contamination monitor. (NRPB-IE – 7) 376634
Instrument evaluation no. 8. Nuclear Enterprises beta/gamma dose rate meter type 0500. (NRPB-IE – 8) 376633
Instrument evaluation no. 9. Mini-instruments dose rate meter type 5 – 1OR. (NRPB-IE – 9) 376632
Ilgenfritz, E.M.
Hadronic cascade processes. 349064
Ilic, D.B.
Observations of a double-layer in a hot-cathode discharge. 377471
Spectra of ion acoustic plasma instability. 350874
Ilicj, R.
Air-equivalent mixtures for ionization chambers construction. 371176
Alpha and fission autoradiography of uranium rods. 378797
Iliev, N.
On superconductivity in the Nb-Ir-O system. 378783
Iliev, S.
X-ray semiconductor spectrometer with light feedback. (JINR-R – 13-10430) 376670
Iliev, Z.
Use of radionuclides in the study of iron metabolism in iron deficient states. 367686
Ilincev, G.
15 years of research in structural materials corrosion resistance to liquid metals carried out by SVUOM Prague. 367178
Iliopoulos, J.
Gauge theories. 353093
Iljas, J.
Nuclear power prospects in an oil and coal-producing country. 371231
Iller, E.
Studies of separation processes using radiotracers. 376293
Illy, P.
Environmental isotopes approach for study of groundwater in semi-arid regions of Rajasthan and Gujrat. 370272
Ilves, Eh.O.
Radiocarbon researches in geobiochemistry laboratory. (INIS-mf – 3244) 378868
Ilyashchev, M.I.
Radioisotope X-ray fluorescence analyzer for elemental rock and ore analysis in natural deposits. (Czechoslovak patent document 157766/B/) 371174
Ilyasov, A.Z.
Semiconductor catalyst surface state investigation by positron annihilation method. 368731
Ilyasov, V.M.
Neutron irradiation effect on long-term strength of zirconium and its 1% niobium alloy. 367332
Ilyina, V.L.
Starting system for a 2-meter streamer spark chamber in a 17 GeV/sec α-particle beam. (JINR – 13-9030) 358334
Ilyukhin, V.V.
Crystal and molecular structure of $C_{21}H_{23}N_2OI$. 369657
Crystal structure and thermal stability of monoclinic tetrahydrates of rare earth perrhenates. 369672
Crystal structure of holmium periodate – $HoIO_5.4H_2O$. 349289
Crystal structure of lanthanum perrhenate $La(ReO_4)_3.4H_2O$. 349261
Scheme of hydrogen bonds in lanthanum perrhenate tetrahydrate $La(ReO_4)_3x4H_2O$. 359653
Structure of rhombic modification of zirconium polyphosphate $Zr(PO_3)_4$-2. 357017
Ilyunin, V.G.
Fast reactor. (Soviet patent document 490187/A/) 355459
Ilyushchenko, O.N.
Way of obtaining a preparation containing technetium-99m. (Soviet patent document 434945/A/) 362815

Ilyushchenko, V.I.
Ionization curves of C^{4+} and N^{5+} helium-like ions in a range of O (< =) Esub(e) (< =) 30 keV. (JINR-E-7-10653) 355883
Solution of analysis and synthesis problems for the electromagnetic system of an electron-beam source of multicharged ions. (JINR-11-9525) 350061
Imada, Takahiko
Fuel exchanging apparatus. 368101
Fuel exchanging device. 379552
Replacing device of control rod drives. 368017
Imada, Y.
Strain difference in T-cell regulation of antibody response to polyvinylpyrrolidone. 362675
Imaeda, Kazuo
Determination of oxygen in selenium, tellurium and their compounds. 372890
Imaeda, Takeyoshi
Clinical use of ^{201}Tl myocardial scintigraphy. 349872
Imai, Hideo
Estimate of electrostatic solvation free energy of electron in various polar solvents by using modified born equation. 354388
Imai, K.
Electron scavenging by COS in the radiolysis of supercritical cis- and trans-2-butene. 362275
Imai, Kazuhiko
Evaluation of external dose. (NIRS-M-20) 379340
Imai, R.
The role of IAEA safeguards in connection with nuclear trade. 371299
Imai, S.
Transverse thermal conductivity of a dirty superconductor in the mixled state. 353729
Imai, Toshio
On the change of fall-out measured by monitoring post at the time of nuclear explosion. 373467
Imai, Tsuyoshi
Crossfield-current-driven electrostatic instabilities in an inhomogeneous magnetoplasma. 353657
Imai, Yoshio
Radioactive effluent treatment of regenerative ion exchanger. 350389
Imaizumi, Akio
Hyperbaric oxygen therapy for x-ray ulcer. 362705
Imaizumi, Tatsuo
Feedwater control system for a nuclear power plant. 368076
Imamov, R.M.
Structure and composition of thin films which are forming at sputtering of nickel and palladium in the atmosphere of hydrogen. 368812
Imamura, Keiko
Analysis of radioassay data using four-parameter logistic function. 360395
Imamura, M.
The ^{10}Be method of dating marine sediments - comparison with the paleomagnetic method. 378880
Imamura, Riuzo
Effect of vacuum environment on creep-rupture properties of SUS 316 stainless steel at elevated temperature. 373246
Imamura, Y.
Feasibility study of LiF-BeF_2 and chloride salts as blanket coolants for fusion power reactors. (PPL-1380) 368958
Imamutdinova, V.M.
To mechanism of borates solution. 369637
Imanaga, S.
Charge transfer effects on the luminescent properties of Eu^{3+} in oxysulfides. 355882
Cooperative absorption in Eu_2O_2S. 371615
Imanaka, Tetsuji
Reactions between SiC and Pd or CeO_2 at high temperatures. 373000
Imanishi, B.
A microscopic analysis of scattering of α-particles on ^{12}C. 377940
Imanishi, Nobutsugu
A fundamental research for the production of ^{238}Pu. 359511
Imaoka, Tsuneo
Method of circulating and purifying nuclear reactor water. 360806
Imasaki, K.
REB interaction experiments with plasmas. (IAEA-200) 353599, 377494
Imazu, A.
Recent efforts of PNC on creep-fatigue, creep-buckling and thermal ratchetting of the LMFBR primary coolant system components. (IWGFR-11) 355471
Imhof, W.L.
Analysis of high resolution satellite data for cosmic gamma ray bursts. Final report. (N-76-34111) 361703
Fine-scale spatial structure in the pitch angle distributions of energetic particles near the midnight trapping boundary. 370294
Imlay, R.
Lepton detector workshop summary. (BNL-50611) 357967
Imoto, Michiko
Neutral-pion photoproduction and nonhadronic duality. 353831
Impellizzeri, F.S.
Search for narrow resonant states in e^+e^- collisions near 6 GeV. 351208
Imperato, E.G.
Phase equilibria in the erbium-boron system and lattice parameters of the rare earth hexaborides. 362416
Imre, A.I.
Excitation of sputtered and scattered particles under ion bombardment of some metal surfaces. (INIS-mf-3996) 364095
Imre, A.J.
Continuous radiation under ion bombardment of some transition metals. 374764
Imrie, D.C.
Coherent production of low-mass $p\pi^+\pi^-$ states in the interaction of 18.6 GeV/c protons with ^4He nuclei. 372518
Imshennik, V.S.
On the brightness curves of 2. type supernovae. 374919
Imura, Toru
The behaviour of dislocations inside the dislocation channels in neutron-irradiated Ni. 358891
Imura, Yasuya
Construction of non-circular cross-section tokamak with diverter 'JFT-2a' for nuclear fusion research. 358961
Device for supporting toroidal coils. 348984
Helical coil for nuclear fusion apparatus. 366562
Port of vacuum vessel. 366550
Inaba, Jiro
Use of the information from experiment by animal. (NIRS-M-14) 379341
Inabe, K.
Formulation of the sensitisation in LiF thermoluminescence based on a simple two-step reaction rate model. 378816
Inabe, Teruo
Measurement and evaluation on pulsing characteristics and experimental capability of NSRR. 355483
Quasi steady state multi-dimensional space-dependent kinetic code EUREKA-SPACE. (JAERI-M-7183) 380151
Study of a UO_2 critical mass by calculation with a transport code XSDRN. (JAERI-M-7085) 354996
Inada, Eiichi
Development of nondestructive measurement of cold work rate, (1). (PNCT-831-77-01) 379527
Inada, K.
Separation of uranium isotopes by accelerated isotope exchange reactions. (US patent document 4,049,769/A/) 373912
Inada, Koji
Pre-treatment method of filling layer. 367851
Stabilized process of separating isotopes. 367850
Inada, Tetsuo
Cell inactivation effects of fast neutrons produced by NIRS cyclotron. 349706
Comparative study on radiosensitivities of cultured cell lines derived from several human tumors under hypoxic condition. 360222
A proposal of medically-dedicated accelerator. 350065
Inagaki, Eiichi
The frequency pattern of the dumpy mutations induced by x-rays in different stages of spermatogenesis of Drosophila. 367454
Inagaki, H.
Structure functions in deep inelastic scattering and in deep inelastic annihilation. 369294
Zero modes of quantum fluctuations for the instanton. 361282
Inagaki, Michio
Synthetic studies on stainless clad steels. 378648
Inagaki, S.
Development of KEK injector linac. 363357
Inagaki, T.
KEK booster to main ring beam transfer system. 363142
Inakoshi, Hideki
Epidemiological inference on induction of aplastic anemia following radiotherapy. 360285
Inam-ur-Rehman
Manpower training for nuclear power programs in developing countries. 352895
Inami, T.
A model of baryons based on duality and unitarity. 372438
Nonleptonic decays of kaons in the 1/Nsub(c) expansion. 369280
Inashvili, A.G.
KSANI complex system for automation of scientific researches. 358419
Inatani, Junji
CO observations of the Perseus OB2 dark cloud and the W 44 molecular cloud. 349007
Inden, P.
Multipurpose nuclear process heat for energy supply in Brazil. 358252
Multipurpose nuclear process heat for energy supply in less-industrialized countries. 352520
Inden, Tokutaro
Studies on the fertilization and cultivation of horticultural crops under covering conditions, (4). 349878
Indenbom, V.L.
Physical models of damage accumulation and a durability problem. (INIS-mf-4190) 377203
Indig, M.E.
Caustic stress corrosion tests for the LLTR. (NEDM-14110) 368207
Indira, P.A.
Decay of ^{194}Os and L_i subshell yields at Z = 77. 375182
Indjirdjian, J.
Conception of small size, low weight quadrupole. 371083
Indovina, V.
The activity of Cr^{2+} and Cr^{3+} ions dispersed in magnesium oxide for the hydrogen-deuterium equilibration reaction. 367086
Indrea, E.
Some contributions to the investigation of V_2O_5 - MoO_3 system. 356555

Indutnyj, I.Z.
Optical constants on the absorption edge of lead iodide. 374626
Infelta, P.P.
The study of primary and secondary charge carriers in nanosecond pulse irradiated liquid dielectrics using a resonant microwave cavity. 362288
The study of the transient conductivity of pulse irradiated dielectric liquids on a nanosecond timescale using microwaves. 365062
Ing, H.
Spectra and dosimetry of neutrons interacting with concrete shielding. 359348
Ingalls, P.D.
Isospin-symmetry-hindered branch of ^{42}Sc β-decay. 372767
Ingalls, R.B.
Pulse irradiation of aqueous solutions containing ferrous and chloride ions: reaction between Cl_2^- and HO_2. 359776
Ingalls, W.B.
Comparison of Sona and spin-filter polarization schemes for a Lamb-shift polarized ion source. 363360
Ingelman, S.
An atomic-beam magnetic resonance (ABMR) system for on-line hyperfine structure measurements in short-lived nuclides. 374313
Nuclear spins and magnetic moments of some cesium isotopes. 372744
Ingels, J.
Mass spectrometric measurement of the positive ion composition in the stratosphere. 376039
Ingersoll, D.T.
Gamma-ray pulse-height response of an NE-213 scintillation detector. 371107
Integral testing of neutron cross sections using simultaneous neutron and gamma-ray measurements. 372543, 372544
NE-213 neutron spectrometry system for measurements from 1.0 to 20 MeV. 355536
Ingle, R.W.
Measurement of the ^{238}U subthreshold fission cross section for incident neutron energies between 0.6 and 100 keV. 351343
Precise measurement and analysis of neutron transmission through ^{238}U. 356851
150-m measurement of 0.880- to 100.0-keV neutron transmissions through four samples of ^{238}U. (ORNL/TM – 5915) 369501
Inglebert, R.-L.
Experimental study on the acceptance of a quadrupole mass filter. 379976
Inglesfield, J.E.
Atomic displacements and the electronic structure of the Mo(001) surface. 373208
Inglis, G.H.
Fuel for CAGR stations. 352684
SGHWR fuel performance, safety and reliability. 365965
Ingram, D.
Photon and electron interaction properties of ICRP reference man. 354825
Ingram, G.E.
Structural reliability methodology: application at the system level. (GEFR-SP – 049) 379255
Ingram, Q.
The comparison of π^+ and π^- elastic scattering from ^{16}O, ^{40}Ca and ^{208}Pb. (ISN – 77-36) 359449
The elastic and inelastic π^+ and π^- scattering from complex nuclei. (ISN – 77-31) 369459
Systematic study of the energy dependence of the elastic π^+-^{16}O scattering in the region of the (3,3) resonance. (ISN – 77-37) 362032
Ingreji, K.B.
Uranium and thorium resources and development of techniques and equipment for their prospection. 365300
Ingwersen, H.
Application of a spiral resonator for bunching picosecond heavy-ion pulses. 363263
Heidelberg 3MV c-w heavy ion postaccelerator section using independently phased spiral resonators. 363266
Operation experiences with the test section of a superconducting heavy ion post accelerator. 363252
Inin, Yu.S.
Device for control of heavy charged particle range before the irradiation object. (Soviet patent document 420298/A/) 352398
Iniotakis, N.
Reliability of Co as an alloy component in materials for HTR primary components. 370965
Suitability of Co as an alloy material for components of the primary circuit of HTR reactors. (Juel – 1394) 355428
Inkin, V.D.
Heat-current stability system for hydrogen generators in thyratrons of the "SILUND" accelerator with the use of the TPA-i small computer. (JINR-R – 9-9604) 367965
Inkmann, A.
Residues of 1-^{14}C-acrylonitrile in fumigated dry food. 354913
Inman, D.J.
β-scintillation monitor for krypton-85 at high pressures. 363577
Krypton absorption in liquid CO_2 (KALC): Campaign III in the Experimental Engineering Section Off-Gas Decontamination Facility. (ORNL/TM – 5655) 368368
Inn, K.G.W.
Distribution of fission yields for fission spectrum neutron-induced fission of uranium-238. 372763
Innes, W.
A measurement of the form factor ratio gsub(1)/fsub(1) in lambda beta-decay. 369363
Innes, W.R.
Observation of a dimuon resonance at 9.5 GeV in 400-GeV proton-nucleus collisions. 351221
Observation of structure in the UPSILON region. 369378
Innocenti, P.G.
Observation of jet structure in high psub(T) events at the ISR and the importance of parton transverse momentum. 353956
Inogamov, N.A.
Model analysis of Teller shell instability. 368959
Inogamov, Sh.V.
Study on the C^{12} – p + X inclusive reaction at PC = 40 GeV. (JINR-R – 1-9021) 364558
Inokuchi, Tamio
Comparison between female and male of demand of sulfur-containing amino acid of domestic silk worms. 367712
Inokuti, M.
Systematics of zero-energy phase shifts for atomic ions. (ANL – 76-88(Pt.1)) 361396
Theory of ionization by electron collisions. (ANL – 76-88(Pt.1)) 361354
Total cross sections for collisions between atomic paticles at high velocities. (ANL – 76-88(Pt.1)) 361364
Inokuti, Mitio
Integrals of the squared form factor over the momentum transfer. 358783
Inomata, A.
On strong-gravity. 355775
Inopin, E.V.
Analysis of M1 transitions of the analog-antianalog type in ^{27}Al and ^{31}P nuclei. 375122
Effect of the exchange part of tensor forces on the sum rule for electron scattering by d and ^{4}He nuclei. 356652
Electromagnetic transitions between states with a different deformations. (KFTI – 75-15) 361989
Energy spectra of the (e, e', p) reaction on light nuclei. (KFTI – 75-15) 361960
Hartree-Fock method with effective interaction depended on density and self-consistency conditions. 375112
Self-consistent calculation of neutron and proton densities of nuclei. 375176
Inoue, A.
Mechanisms of vapor explosions. Technical progress report, October 1976 – March 1977. (COO – 2512-10) 352717
The solubility of hydrogen in Nb-Mo alloy. 354523
Inoue, H.
A built-in potassium getter for the scintillation proportional counter. 379909
Inoue, Hajime
Observation of very soft x-ray and extreme ultra violet ray with ASTRO-B. 353698
Proportional scintillation counter for measuring space x-ray. 355535
Semiconductor detector for x-ray in the space. 361041
Inoue, Hiroshi
Clinical effect of Cystenosine on leukocytopenia at the time of therapy with radiation and antineoplastic agents. 362706
Inoue, I.
Flexible multifilamentary compound superconductor. 359884
Inoue, K.
Depth distribution of knock-on nitrogen in Si by phosphorus implantation through Si_3N_4 films. 360092
Experience in constructing a spent nuclear fuel reprocessing plant in Japan. 367196
Inoue, Katsumi
Nuclear reactor container. 368100
Inoue, Kazumasa
Experimental studies of metastases of esophageal carcinoma to lymph nodes. 367499
Inoue, Kenzo
A new vectorlike model of the weak interactions. 349065
New weak phenomena and the vectorlike model with new right-handed mixing. 366852
Inoue, Kotaro
Boiling water reactor. 368116
Inoue, M.
Cascade cyclotron magnet. 363264
Inoue, M.O.
Interpretation of variable line profiles of Deneb (A2Ia). 349002
Inoue, Makoto
Observation of linear polarization of variable radio sources at 7.2 cm. 359102
Inoue, N.
Tokamak plasma heating by application of strong poloidally induced electric field. (INIS-mf – 3963) 371896
Inoue, Nobuyuki
Manufacture and installation of coolant recirculation facility for advanced thermal prototype reactor 'Fugen'. 374233
Inoue, S.
Saturation of kink instability and helical equilibrium of cylindrical tokamak. (INIS-mf – 3963) 371900
Inoue, Sadanobu
Atomic absorption method for the determination of trace amount of cadmium, copper, lead and zinc with ion-pair extraction of dimercaptomaleonitrile. 367035
Inoue, Sanae
Current driven drift instability in both self-induced and external magnetic shear field. (IPPJ – 302) 377441
Diffusion of a multi-ion species plasma due to drift wave fluctuations. (IPPJ – 267) 353646, 359031
Saturation of kink instability and helical equilibrium of current

carrying plasma column. (IPPJ – 278) 353568
Shear stabilization of collisional drift instability. (IPPJ – 303) 377442
Inoue, T.
The ^{10}Be method of dating marine sediments – comparison with the paleomagnetic method. 378880
Influence of crystal field interaction on the thermal behavior of $ErAl_2$. (IS-M – 81) 351763
Safety related design philosophy and experience of the experimental fast reactor "JOYO". (CONF-761001 – P2) 365580
Inoue, Takeo
Irradiation of cancer of the uterine cervix and immunological mechanism. 354808
Inoue, Tatsumi
Fuel transporting device in nuclear reactor. 368185
Inoue, Teruji
Mock-up critical experiments for prototype fast breeder reactor 'Monju'. 350125
Inoue, Tomoyasu
Electron irradiation effect in the quantitative Auger analysis of PSG. 353441
Inoue, Y.
Evaluation of the radioactive wastes disposal into the deep ocean. 355646
Inouye, H.
Development and characterization of an improved Ir – 0.3% W alloy for space radioisotopic heat sources. (ORNL – 5290) 373229
Influence of oxygen on backscattering of excited H when H^+_1, H^+_2, and H^+_3 ions at 4 – 30 keV energy are incident on molybdenum. 358810
Inoyatov, N.Sh.
Investigation into surface properties of aluminium-chromium-molybdenum catalysts. 378289
On thermodesorption of hydrogen from aluminium-chromium-molybdenum catalysts. 378288
Inozemtsev, M.V.
Resistance of polycrystalline solid electrolytes. (INIS-mf – 4189) 375536
Inozemtseva, O.I.
Study on electromagnetic conditions in the interplanetary space by means of cosmic rays. 356186
Intemann, G.W.
Scalar contribution to radiative decays of the eta meson. 359254
Intriligator, D.S.
The large scale and long term evolution of the solar wind speed distribution and high speed streams. 372192
Inuishi, Y.
Irradiation effects on carrier transport and the trapping process in high-resistivity CdTe. 370225
Inutake, M.
Radio-frequency plugging of mirror and point cusp ends. (INIS-mf – 3963) 372084
Inyakin, A.V.
Measurement of $\pi^-p \rightarrow \pi^0 n$ at large momentum transfer. 372503
Observation of a meson $X \rightarrow 2\gamma$, with mass 2.85 GeV/c^2, produced in the charge-exchange reaction $\pi^-p \rightarrow Xn$ at 40 Gev/c. 377780
Particle identification in a hodoscope Cherenkov spectrometer. 355520
Study of the reaction $K^-p \rightarrow$ anti K^0n at momenta of 25 and 40 GeV/c. 356482
Wire proportional chambers in an intensive particle beam. 371108
Inyutin, E.I.
Status of the USSR fast reactor programme as of March 1977. (IWGFR – 18) 363511
Ioan, I.
A measurement of the electromagnetic size of the pion from direct elastic pion scattering data at 50 GeV/c. 353922
Ioan, I.X.
Direct measurement of the π^- form factor. 372514
Ioannesyants, L.M.
Device for absorption X-ray radiometric analysis. (Soviet patent document 493712/A/) 372835
Ioannidis, Th.
The value of scintigraphy in orthopaedic clinical practice. (INIS-mf – 4010) 370474
Ioannou, G.P.
Heat transfer in the vicinity of a partial flow blockage in a reactor core. 376513
Ioannu, P.D.
Analysis of the 6 MeV proton scattering on intermediate mass nuclei. 377855
Iodko, M.G.
Spectrum of primary electrons with energies above 3 GeV. 356256
Iof, V.M.
Modelling of the contactless polarization current switch-off process in nuclear-magnetic logging. 367360
Iofa, B.Z.
Extraction of elements in the form of oxygen anions from alkaline solutions. 369737
Investigation into ruthenium (4) extraction by oxygen-containing solvents. 354356
Iofa, M.Z.
Gauge invariance of spontaneously broken non-Abelian theories in the Bogolyubov-Parasyuk-Hepp-Zimmermann method. 348591
Ioffe, A.I.
On nature of maximum of electric conductivity in solid electrolytes based on zirconium dioxide. (INIS-mf – 4189) 375466
Reaction of tungsten carbene complexes with conjugated dienes. 372973
Ioffe, B.L.
$E^+e^- \rightarrow \gamma$ + hadrons. 364494
New elementary particles. 364554
Photoproduction of J/psi mesons in the peripheral model. Diffraction mechanism. 369269
Proposal for construction of superhigh energy proton accelerators. (ITEF – 11) 376388
Ioffe, M.S.
Stabilization of the drift-cone instability (DCI) by low-energy ions. (INIS-mf – 3963) 371901
Ioffe, V.A.
Measurement and calculation of the electric field gradient on ^{51}V nuclei in calcium metavanadate. 374721
Switching effect in B-Nb_2O_5 monocrystals. 348794
Iofis, N.A.
Application of rhenium in electronic equipment. 349397
Ioganson, A.A.
Tris(2-thienyl)phosphine complexes of group VIB (Cr, Mo, W) metal carbonyls. 354344
Iokhin, S.B.
Use of geophysical methods for determination of physico-mechanical properties of coal-bearing rocks in wells of the Vorkutskoye field. 367366
Ioli, N.
An investigation of the long-range interatomic potential Na-Kr by observing broadening and shift on the Na D_1 line. 353271
Ionas, Dzh.
Nuclear fusion in microparticles initiated by an electron beam. 350875
Ionescu-Pallas, N.
Analogy between electrodynamics and gravitation. 355776
Evolutive mechanics. 377618
Ionescu, C.
Applying gamma-ray spectrometry in quantitative analysis of radioisotope activities. 364877
Ionescu, M.
The distribution of mobile carriers in a surface CCD (ideal insulator). 355995
Ionescu, M.A.
The influence of design parameters on the fringing fields in charge-coupled devices. 358370
Ionescu, V.
Nondestructive burn-up verification of EK-10 fuel, by Ge(Li) gamma-ray spectrometry. 379406
Ionikh, Yu.Z.
Effective cross sections of dissociation of $5p^5$ ^{2}Psup(0)sub(1/2) metastable atoms in collisions with iodine molecules and oxygen atoms. (INIS-mf – 3915) 348723
Ionin, B.I.
Contact contribution in lanthanide shifts of ^{1}H and ^{31}P in nuclear magnetic resonance spectra of phosphonates. 369597
Ionkin, V.I.
Influence of data uncertainties on moderator-atom-oscillation spectra on the calculation of integral characteristics of neutron scattering and some reactor physics functionals. (INIS-mf – 3895) 358064
Ionov, V.A.
Global contamination by ^{137}Cs, ^{90}Sr and doses of external irradiation on the territory of the USSR. 376146
Global pollution of the Soviet Union and the external exposure doses for ^{137}Cs and ^{90}Sr. 360529
Ionov, V.M.
On effect of R radicals in RCOOH monocarboxylic acids on stereochemical functions of carboxylic groups in rare earth carboxylates. 349197
Ionova, G.V.
Possible structures of the hole centre in irradiated magnesium oxide. 354454
Ionts, E.P.
Controlled rolling of profiles. 375757
Iordachescu, A.
The study of a new short-life isomeric state in ^{38}K. (INIS-mf – 4153) 377897
Iori, M.
Second-order theory of the electron Drift velocity in a gas in a field. 363964
Iosilevskii, Ya.A.
The method of images for anisotropic media. 376915
Iova, I.
On the excitation and ionization mechanisms in a hollow-cathode discharge in krypton and xenon gases, in the presence or absence of an applied magnetic field. 356118
Iovlev, I.V.
Behaviour of ^{239}Pu and dynamics of morphological changes in the lungs of rats after continuous inhalation of the citrate complex of the isotope. 379100
Ipatov, V.V.
Synthesis and properties of $BaLn_2(MoO_4)_4$ double molybdates. 375452
Ippolito, J.C.
Simulation of some results of radiation-enhanced diffusion. 354623
Ippolitova, E.A.
Kinetics of thermal decomposition of anhydrous uranyl oxalate. 354414
Uranium (4) compounds with chlorosubstituted derivatives of acetic acid. 362237
Ippolitova, Y.A.
High-pressure phases in the $PbO-UO_2-O_2$ system. 351608
Ipser, J.R.
Accretion onto pregalactic black holes. 359103

Iqleem, J.
Experience in transfer of control and instrumentation technology to a developing country. 352712
Irani, A.
Heavy ion toroidal collective accelerator. 374065
Iremashvili, D.V.
Specific features of shaping high-intense microsecond electron beams in a gun with a plasma anod. 376369
Transportation of relativistic electron beam in a plasma. 348927
Irgolic, K.J.
The extraction of niobium(V) and tantalum(V) by octylarsinic acid in chloroform. 354295
Irie, F.
Current-voltage characteristics of large Josephson tunnel junctions. 353748
Experience with a supercritical helium cooling system for the investigation of superconductors. 360628
Parametric frequency conversion in long Josephson junctions. 360629
The present status of applications of the Josephson effect. 359201
Irie, Hiromitsu
Apparatus of vaporizing and condensing liquid radioactive wastes and its operation method. 361104
Method for condensing radioactive wastes. 350390
Method of reducing contamination by radioactivity on a cask for spent fuel. 379326
Irie, M.
Primary ionic species of α-methylstyrene produced by high energy radiation. 375687
Irie, Makoto
Thyroid scanning and thyroid uptake using $Na^{123}I$ in various thyroid diseases with special reference to comparison with $Na^{131}I$. 354966
Irino, S.
Topics in Hematology. 370368, 370379, 370380, 370384, 370385, 370386, 370387, 370390, 370394, 370430, 370442, 370446, 370452, 370482, 370501
Irinouchi, Sigenori
Analyses of Np and NO_2^- in the Purex process. (PNCT – 831-73-01) 349376
Irion, J.
Further evidence for production of electrons with small transverse momenta in pp collisions. 377784
Irion, L.
Nuclear reactor. (German (F.R.) patent document 2455060/C/) 355284
Irisa, Yasuhiro
Behavior of irradiated oxide fuel. 350159
Iritani, Nobuko
Effect of fat intake on cholesterol turnover and bile acid formation. 349841
Irkhin, Yu.P.
Effect of magnetic anisotropy on temperature dependence of magnetization of some compounds of the RCo_5 type. 349458
Irlweck, K.
Incorporation control by excretion analysis of tritium, strontium-90, uranium and plutonium. (SGAE – 2711) 354977
Irmer, K.
On the evaluation of residence time distribution by means of material transport models. 349951
Iroshnikov, G.S.
Elastic πN scattering in dual model with correct spectrum of baryon resonances. 375032
Iroshnikova, N.G.
A method for determining trace impurities of o-iodobenzoic acid in o-iodohippuric acid. 354412
Spectra of ^{127}J nuclear quadrupole resonance of organic iodine compounds of diagnostic using. 349200
Irvine, H.S.
Management of radioactive wastes from nuclear fuels and power plants in Canada. (AECL – 5706) 361100, 368362
Irvine, J.M.
Matter at super nuclear densities including pion condensates. 366939
Irving, A.C.
Production and decay properties of the delta(980) scalar meson. 353832
Regge phenomenology. 372439
Regge pole and cut behaviour at Fermilab energies. 353801
Irving, B.A.
Decontamination and disposal of contaminated spent fuel storage racks. 357786
Irwin, J.L.
HPBN development. (SAND – 782076C) 378770
Irwin, R.D.
Effects of ^{60}Co gamma irradiation on the polymerization of microtubules in vitro. 365361
Isaac, R.D.
Thermally activated dislocation motion including inertial effects in solid solutions. (COO – 1198-1182) 371616
Isaacs, H.S.
Alternating current techniques for corrosion monitoring in water reactor systems. (BNL – 22983) 358220
Isaacs, J.W.
Measurement of 3-0-methyldopamine in urine and plasma by a rapid and specific radioimmunoassay. 373655
Isaacson, A.D.
Penning ionization of H_2 by $He(2^1S)$: calculation of energy surface, width, and cross sections. 353268
Isaak, H.P.
Measurement of gamma-rays, neutrons and charged particles after π^--capture in nuclei. 378077
Isabelle, D.
Researches with the 600MeV Linac. Chapter 4. (CEA-N – 1959) 354138
Isabelle, D.B.
$^{12}C(\pi^-,p)^{11}Be$ reaction induced by pions at rest. (LYCEN – 7702(pt.1)) 369473
Isacker, P. van
Description of positive parity bands in odd-mass In isotopes. 372621
The Jsup(π) = $(9/2)^+$ bands in odd-mass Sb and I isotopes: evidence for deformed states. 372624
Isaenko, L.I.
On distribution of microimpurity during crystallization of three-component systems from melt. 362187
Isaenko, V.A.
Equilibrium distribution coefficients of cesium bromide during directed crystallization of alkali metal bromides. 359619
Isaev, G.V.
Static massive fields and the horizont surface. (JINR-R – 2-10348) 376916
Isaev, O.V.
Mechanizm of propylene oxidation on modified cobalt-molybdenum catalysts. 349248
Isaev, T.A.
Physicochemical investigation into modified skeletal copper catalysts of glucose hydrogenolysis. 378347
Isaev, V.P.
Frenel-type corrections in relativistic scattering of particles with spins 0 and 1/2. 350514
Isaev, Z.A.
Electroconductivity and thermoelectromotive force of $TlAsS_2$, $TlAsSe_2$, $TlAsTe_2$ compounds in solid and liquid states. 355931
Electroconductivity of As_2Se_3, As_2Te_3 and alloys in As_2Se_3-As_2Te_3 system in solid and liquid states. 348750
Isaeva, A.A.
Spectrophotometric determination of uranium in seawater and synthetic sorbents of different type. 356947
Isaeva, F.G.
The effect of Co^{60} γ-irradiation of seeds (irradiated before sowing) on the growth, development and crop of lucerne hay (on the background of different doses of mineral fertilizers). 365479
Isaeva, L.P.
Structure and content of strengthened layer resulting from electric spark alloying of steel 45. 370043
Isagawa, S.
Movable probe mechanism for adjusting RF coupling to a superconducting cavity. 365706
Isajchev, V.I.
Study of lithium diffusion by dislocations in Mo, W and their alloys. 354526
Isakov, A.I.
Some problems in ultracold neutron physics. (INIS-mf – 3895) 355493
Isakov, I.
Protective effect of adeturone on protein assimilation in the gastro-intestinal tract following acute X-irradiation. 373531
Isakov, I.A.
Ten years' operation experience of the Novovoronezh nuclear power plant. 368141
Isakov, V.A.
Laser-stimulated chemical reactions and isotope separation. 363071
Isakova, R.A.
Composition and pressure of the vapor over zinc and cadmium sulfides. 367131
Isbasescu, A.
Investigation of the accuracy that can be obtained in the thermal neutron flux determination. 356532
Proton scattering on ^{238}U and the probable isobaric analogue resonances. 356579
Isbell, W.M.
Response of porous beryllium to static and dynamic loading. (UCRL – 79712(Rev.1)) 351764
Isberg, P.
Public acceptance of nuclear power. 352247
Ischenko, G.
Enhancement of the superconducting critical temperature Tsub(c) of niobium by radiation damage. 354618
Study of damage rate decrease of lead irradiated with 25 MeV oxygen ions at 7.2 K. 370175
Isci, C.
The elastic and magnetic properties of a single-crystal Gd-40%Y alloy. 357311
Magnetic phase diagram for Ho-50%Tb from anomalies in ultrasonic propagation. 354524
Magnetoelastic effects in Dy. 357280
An ultrasonic study of the magnetic phases of dysprosium. 374722
Ise, T.
Mock-up experiment and analysis for the primary shield of the N.S. MUTSU. 368262
Ise, Takeharu
Automatic mesh generation with QMESH program. (JAERI-M – 7078) 355693
LOOM-P: a finite element mesh generation program with on-line graphic display. (JAERI-M – 7119) 374527
Iseki, Takayoshi
High-temperature low-cycle fatigue tests on Hastelloy X. 359990
Reactions between SiC and Pd or CeO_2 at high temperatures.

373000
Isenbeck, W.
Observation of jet structure in high psub(T) events at the ISR and the importance of parton transverse momentum. 353956
Isenberg, J.A.
Effect of gravitational interaction on classical fields: A Hamilton – Dirac analysis. 366275
Isenberg, P.A.
Adiabatic self-similar blast waves, their radial instabilities, and their application to supernova remnants. 372193
Isermann, K.
Influence of macrobicycle 'Kryptofix 222' on calcium- and strontium-uptake of bush bean seedlings. 352062
Isgur, N.
Extracting radiative decay widths from the reaction $\pi^- p \rightarrow \eta\gamma n$. 359280
Hyperfine interactions in negative parity baryons. 372440
Ishchenko, G.
Recent results in the lower-hybrid heating of the Wega device. (INIS-mf – 3963) 372085
Ishchenko, N.N.
Proximate analysis of bicomponent systems of Ni-Cr, Ni-Zn, In-P, Ga-P. (INIS-mf – 4191) 375283
Ishchenko, V.I.
On the possibility of a complex using of acoustic and neutron parameters from logging data in evaluation of lithologic exploration areas in South-Eastern and Eastern Turkmenia. 367368
Ishchuk, V.M.
New phase transitions in lead zirconate-titanate. 355996
Isherwood, D.
Preliminary report on retardation factors and radionuclide migration. (UCID – 17551) 363668
Ishibashi, E.
Actual status of sodium cavitation studies in Japan. (IWGFR – 9) 352788
Ishibashi, Nobuhiko
Translational energies of the excited hydrogen and deuterium atoms produced by controlled electron impact (300 eV) on water and heavy water. 373053
Ishibashi, T.
Formation of layer-like voids in irradiated polytrioxane. 365242
Ishida, Keiichi
UBV photometry of the stars in the fields of emission nebulae, 3: IC 1975. 349020
Ishida, M.R.
Some features of mutator genes, mutT, mutS and mutL, in Escherichia coli K-12. 373486
Ishida, Masayoshi
Boiling water reactor. 368116
Fuel assembly for reactor. 368102
Ishida, Norio
The correlation of steric effects and equilibrium constants evaluated from lanthanoid-induced ^1H shifts in aniline derivative-Eu(fod)$_3$ systems. 349224
Ishida, T.
Studies of Ca^+ implanted Mo foil by means of work-function measurements and AES. 367333
Ishida, Y.
Experience and future plan of fast reactor oxide fuels irradiation in Japan. 379817
Reactive medium instability of the space charge wave of ion beam in a plasma. 366560
Safety features of the fuel monitoring facility for handling irradiated fast breeder reactor fuels. 360704
Ishida, Yoshio
Instability of the Trivelpiece mode in a magnetized beam-plasma system. 371897
Ion Bernstein wave in an ion beam-plasma system. 353641
Ishiguro, Masato
Observation of corona with radio-heliograph. 359171
Ishiguro, Okikazu
Protective functions of the experimental multi-purpose high-temperature gas-cooled reactor. (JAERI-M – 6893) 358095
Ishiguro, Y.
An approximate solution of the two-group critical problem for reflected slabs. (IEA – 478) 350737
Milne problem in two adjacent half-spaces in neutron transport theory in two energy groups. (IEA – 476) 351248
Multiregion problems in plane geometry. 359351
Neutron transport in two dissimilar media anisotropic scattering. (IEA – 414) 354002
Two-half-space Milne problem in two-group neutron transport theory. 372560
Two-media Milne problem in two-group neutron transport theory. 359352
Ishiguro, Yoshio
Determination of Na, Mn and Cu in cocoon, raw silk and degummed silk by nondestructive activation analysis. 349176
Ishihama, Atsushi
Method of processing radioactive waste. 350391
Ishihara, A.
The model rotor for the 6 MVA superconducting generator. 360599
Ishihara, Hideta
Principal axes of the EFG tensors and torsional oscillations in boron triiodide. 354360
Ishihara, M.
Spin polarization of ^{12}B in the heavy-ion reaction $^{100}Mo(^{14}N, ^{12}B)^{102}Ru$. 351420
Ishihara, T.
New trends in the management of radioactive wastes in Japan. 361105
Ishihara, Takaaki
Chromosome changes and radiation dose in Japanese fishermen and laborers exposed to iridium-192. 370384
Ishii, H.
KEK beam position monitor system. 363344
Ishii, K.
Control computer system for KEK proton synchrotron. 363272
Directional anisotropy of secondary electron bremsstrahlung induced by proton bombardment of thin solid target. 377041
The ionization of relativistic K-electrons by light ion impact in the MeV energy range. 377131
On the coherent electronic excitation of channelled He^+ ions. 366439
Ishii, Katsumi
Autoradiography with ^{201}Tl and our clinical experience. 367700
Ishii, Koichi
CO observations of the Perseus OB2 dark cloud and the W 44 molecular cloud. 349007
Ishii, M.
Multichannel cladding relocation model for loss-of-flow accidents in LMFBRs. 352248
Secondary electron emission from solid targets under bombardment with 20 keV H^+. 368854
A simple forced diversion model for study of thermal-hydraulic transients in LMFBR subassembly. 374240
Ishii, Ryuichi
Photosynthetic $^{14}CO_2$ fixation in the leaves of rice and some other species. 373765
Ishii, T.
Lead glass Cerenkov counter of hodoscope type. (INS-TH – 111) 350298
Ishii, Tadahiko
Transition joint of Zircaloy-4 and stainless steel. (JAERI-M – 7152) 367214
Ishii, Tadao
Effects of season, pregnancy and lactation on serum thyroxine level in dairy cattle. 349874
Ishii, Taka
Neutron activation analysis of size-separated airborne dust particles, (2). 349153
Ishii, Takeshi
Trace analysis for environmental analysis, (6). 349168
Ishii, Y.
Investigation of intrarenal blood flow and urine flow aspects by scintillation camera. 360375
Proton-induced rotationless processes in excited 9,9'-bianthryl. 355919
Ishii, Yoichiro
The test result for the control rod drive mechanism in sodium for prototype LMFBR 'Monju'. 379766
Ishii, Yoshimi
Holder of a neutron measuring instrument. 368018
Ishijima, Kiyomi
Study of a UO_2 critical mass by calculation with a transport code XSDRN. (JAERI-M – 7085) 354996
Ishikawa, Daiji
Introduction to nuclear medicine. 379189
Ishikawa, H.
Thermal neutron reaction cross section measurements for fourteen nuclides with a liquid scintillation spectrometer. 372820
Ishikawa, Hiroaki
Energy transfer mechanism and quenching in liquid scintillation. 371495
Ishikawa, K.
Experimental evaluation of half bead weld repairment for nuclear pressure vessels. 369887
Study of preferential sputtering in coevaporated Cu-Ni samples at low temperature. 368792
Ishikawa, Kenzo
Signatures of unusual Higgs boson in vectorlike gauge theories. 353833
Two kinds of muon number nonconservation. 359269
Ishikawa, Kiyoshi
Reactor containment vessel. 360892
Ishikawa, Koh
Changes in hybridizable RNA in winter wheat embryos during germination and vernalization. 379190
Ishikawa, M.
Magnetic ordering in the superconducting state of rare earth molybdenum sulphides, (RE)sub(1.2)Mo_6S_8 (RE = Tb, Dy and Er). 358881
Safety of light-water reactor fuel. 365586
Ishikawa, Masakatsu
Orbital angular momentum of anisotropic superfluid. 359202
Ishikawa, Michio
Quarterly progress report on the NSRR experiments, (3). (JAERI-M – 7051) 350275
Study on fuel behavior under reactivity-initiated accident condition. 374277
Ishikawa, N.
The formation of Rb_2UF_8 by fluorination of $RbF.UF_4$. 369742
Ishikawa, Tamotsu
Role and metabolism of free leucine in skeletal muscle in protein sparing action of dietary carbohydrate and fat. 349861
Ishikawa, Yoichi
The application of the spin trap, phenyl t-butyl nitrone, to the study of the γ-radiolysis of cyclohexane. 359782

Ishikura, Akira
Combination of separating apparatuses. 349928
Ishikura, Takeshi
Atomic power plant. 350202
Ishimaru, H.
Beam profile measurements for KEK 12 GeV proton synchrotron. 363265
Recent progress in KEK preinjector. 363231
Ishimaru, Toranosuke
Peripheral blood changes preceding the development of leukemia in atomic bomb survivors of Hiroshima and Nagasaki. 370380
Ishimori, Tatsujiro
Separation of strontium ion from a large amount of calcium ion by the use of a macrocyclic ether. 367092
Ishina, V.A.
Current efficiency and composition of alloys during electrodeposition of copper with ruthenium impurity from sulfuric-acid solutions. 349228
Investigation of polarization curves and kinetics of electrodeposition of copper with ruthenium impurity from sulfuric-acid solutions with the method of radioactive indicators. 349227
Ishinishi, Noburu
Long term survey on food pollution and contamination by radioactive fallout in Fukuoka, Japan (1961 – 1976). 379179
Ishino, Kazuyuki
Dehydrating process experiment on spent ion-exchange resin sludge by Funda Filter. 350403
Ishino, S.
Fast-neutron irradiation of n- and p-type germanium at low temperature. 370166
The interaction between interstitial impurities and substitutional solutes in vanadium. 362456
Ishitani, T.
Simultaneous measurements of photon and ion emissions from ion bombarded Al in an oxygen atmosphere. 356057
Ishiwara, H.
Channeling studies of radiation damage in metal-silicides. 370167
Ishiwari, Ryutaro
Stopping powers of Al, Ni, Cu, Ag, and Ta for 8.78 MeV alpha particles. 354020
Stopping powers of Be, Al, Ti, V, Fe, Co, Ni, Cu, Mo, Rh, Ag, Ta, and Au for 28.8 MeV alpha particles. 354019
Ishiwatari, Nasumi
Release of fission products from a fuel rod with an artificial hole through cladding irradiated in an in-pile water loop. (JAERI-M – 7092) 350203
Ishiyama, Toshio
Clinoptilolite filter for the decontamination of radioactive off-gas. 361107
Ishizaka, Masatsuna
Studies on the chronological alterations of blood counts on the radiological technicians at health centers in Japan (1957 – 1975). 373891
Ishizuka, H.
Intense Pulsed Ion Neutral Source (IPINS). (UCRL – 79965) 377517
Ishizuka, Hiroshi
Use of fast ion beams in plasma research. (IPPJ – 286) 377443
Ishizuka, K.
On-board refrigeration system. 360630
Ishkhanov, B.S.
Tunnel diode comparator circuit in the betatron stabilization and energy variation systems. 358001
Isichenko, I.B.
Study in the allergic activity of plant radiotoxins intracutaneously injected into irradiated animals. 360260
Isihara, A.
Exchange effects on the excitation spectrum of liquid helium. 359203
Isildar, M.
On the precursor of fragment radicals in the radiolysis of normal alkanes. 375688
Iskakov, L.I.
Features of radiation chemical processes in ethylene-styrene copolymers. 354438
Iskander, S.K.
Thermal shock studies associated with injection of emergency core coolant in pressurized water reactors. (CONF-770807 – 29) 357745
Iskenderov, V.G.
Device for flattening statistically distributed pulses. 358427
Methods for processing of pulsed neutron logging data. 367369
Iskhakova, L.D.
Crystal structure of double Cs, La-sulfate $Cs_2O_4.La_2(SO_4)_3.8H_2O$. 349285
X-ray study of double sulfates of rare earths with potassium, $5K_2SO_4xLn_2(SO_4)_3$. 375591
Iskrovskij, V.V.
Spectrophotometric determination of aluminium and zirconium in titanium alloy. 378123
Islam, J.N.
On the static field in general relativity. 376917
Islam, V.
Formation constants of Pr(III), Nd(III), Sm(III), Gd(III) and Dy(III) complexes of 2,5-dimercapto-1,3,4-thiadiazole (Bismuthol I). 367143
Islamov, I.M.
Study of the intrinsic background noise of a quadrupole mass spectrometer. 371180
Islamov, T.A.
The decay of ^{167}Lu(Tsub(1/2) = 55 min)^{167}Yb. 354200
Excited states of ^{163}Er, populated in the ^{163}Tm decay. 377950
Islamov, T.I.
Extraction-chromatographic method for indium separation from silver and cadmium. 357097
Isler, R.C.
Electron heating by neutral beam injection in ORMAK. (CONF-770906 – 5) 361599, 371961
Electron heating by neutral-beam injection in the Oak Ridge tokamak. 358985
Relation of neutral beam injection to impurity behavior and extension of plasma parameters on ORMAK. (CONF-770906 – 4) 364222, 371934
Tungsten radiation from tokamak produced plasmas. 356119
Isles, K.
Biomedical and health studies with the new Canadian SLOWPOKE reactor. 369549
Ismachin Kartoprawiro, M.
Selection for bacterial leaf-blight (Xanthomonas oryzae) and sheath-blight (Rhizoctonia oryzae) resistant mutants in a collection of early rice mutants. 373717
Ismail, A.A.
Amino acid tolerance test using L-β-phenylalanine-^{125}I. 373762
Ismail, M.
The cluster structure of alpha particle nuclei. 375113
Cytological lesions in the midgut of Tribolium confusum larvae exposed to gamma radiation. 362668
Effect of density-dependent effective potentials on stripping reactions. 375114
Two-nucleon stripping process with effective interactions. 354071
Ismailov, A.I.
Pyrolysis of zircon by lime-salt mixtures. (INIS-mf – 4187) 375539
Ismailov, I.
Characteristics of light emmiting diodes on the base of Gasub(0.7)Insub(0.3) and IaP<N>. 366424
Ismailov, I.M.
Photoconductivity and photoluminescence of InS monocrystals. 349229
Ismailov, S.A.
Electric conductivity of the bivalent europium oxides in the strong electric U.H.F. fields. 353442
Ismailova, F.A.
Phase diagram of $Li_2Ox2B_2O_3$-In_2O_3 system. (INIS-mf – 4040) 378290
Ismailova, V.Kh.
Extraction-photometric determination of niobium in form of complex with pyrocatechol and dimedrol. 364921
Ismajlova, V.Kh.
Extraction-photometric determination of some metals in the form of different-ligand complexes. (INIS-mf – 4192) 375357
Ismatov, A.A.
On solid-phase reactions of $CaSmAl_3O_7$ formation. 362184
Iso, Chikashi
Meson spectra in meson's fragmentation region in meson-nucleon collisions by new type of quark cascade model. 353806
Isobe, S.
Dust in H II regions. 356257
Isomura, Shohei
Boundary layer effect in the gaseous diffusion unit for isotope separation. 359620
Isono, Kazuhide
An electron microscopical study of human submandibular salivary glands. 354809
Isore, A.
Order-disorder transformation in a Fe-Ni (50-50) alloy. 351782
Study of defects produced in LiF monocrystals by neutronic irradiation through thermionic current. 350753
Time variation of amplitude dependent internal friction in plastically deformed crystalline LiF. 350745
Isozaki, Kazuhisa
Method for condensing radioactive wastes. 350390
Isozaki, Toshikuni
High velocity tensile test of austenitic stainless steel at elevated temperatures. 349476
Israeli, M.
Personnel monitoring in Israel during 1975. 355037
Personnel monitoring of external radiation in Israel during 1976. (INIS-mf – 4052) 367827
Israilov, A.A.
Rotational single-particle states of odd nonaxial nuclei. (KIYI – 76-2) 356611
Issa, I.M.
Ce(III), Th(IV) and U(VI) chelates of alizarin viridine, alizarin heliotrope and alizarin maroon. 357022
Issa, M.A.A.
Spin adjustment in $(Gd,Dy)Al_2$. 356020
Issa, M.R.
Differential cross-sections and angular correlation parameters for the electron impact excitation of the n = 2 and n = 3 singlet levels of helium. 353386
Issel, W.
Present status of reprocessing technology: basic outlines of large reprocessing plants. 351686
Issler
Material and strength investigations on the pressure vessel and pipeline system of the HDR (EV 2000). 368103
Issler, L.
Strength behaviour under complex alternating stress – influence of multi-axial state, mean stress, phase shift. (AED-Conf – 76-

747-010) 354525
Stresses on the reactor pressure vessels in tests under operational or accident conditions in the HDR test programme. 370917
Istomin, V.I.
Parallel work of automatic control systems with MHD-throttles and radioisotope instruments. 352344
Istomina, G.N.
Antitoxic function of the liver in the early and remote periods after the action of radiation of different types. 370339
Changes in the calcium, phosphorus and acid phosphatase content of the rat blood in the remote time periods after a combined action of an ionizing radiation. 360259
Itabashi, Yukihiko
Atomic power plant. 350204
Itagaki, T.
Electric dipole polarizability of the hydrogen molecule by many-body perturbation theory. 371496
Itagaki, Tokiyoshi
Diagnostic planning in JT-60 project. (JAERI-M – 7220) 366591
FIR-interferometer for JT-60. (JAERI-M – 7121) 366563
Itaki, T.
Status of the development of mixed-oxide fuels in the power reactor and nuclear fuel development corporation (PNC). 368043
Itaki, Toshiyuki
Determination of O/M ratio for mixed oxide fuel, (3). (PNCT – 831-76-01) 379798
Itakura, A.
R.F. plugging and heating of magnetized sheet plasma. (INIS-mf – 3963) 372069
Stabilization of counter streaming electron beam instability. 353609
Itakura, T.
Reduction of releases of radioactive effluents from light-water power reactors in Japan. 367762
Itami, Hiroharu
Fabrication of an aluminum capsule for irradiation in a nuclear reactor by friction welding and its safety test. 367951
Itatani, Ryohei
Stochastic acceleration by an electrostatic wave near ion cyclotron harmonics. (IPPJ – 259) 353550
Itaya, Harutaka
Purification of rat intestinal receptor for intrinsic factor-vitamin B_{12} complex. 367720
Itch, N.
Thermal insulation for the superconducting cable. 365705
Itho, S.
The vapourized-metal cluster ion source and its application to film formation. 370683
Itkin, B.Z.
Some regularities of incorporating labelled uridine in the RNA of lymphocytes of horned cattle's lymphocytes in case of lympholeukosis. 362791
Itkis, M.G.
Anomalous effect of angular momentum on light nuclei fission by protons and alpha particles. (FEI – 538) 356610
Fission of preactinide nuclei. Angular anisotropy of (α,f) reaction. 375181
Ito, A.
Development of radioactive waste management at the Japan Atomic Energy Research Institute. 368377
Developments and studies for marine disposal of radioactive wastes. 358527
Leaching behaviour of strontium-90 in cement composites. 366081
On the high energy proton spectrum measurements. 372156
Ito, A.S.
Observation of a dimuon resonance at 9.5 GeV in 400-GeV proton-nucleus collisions. 351221
Observation of structure in the UPSILON region. 369378
Ito, Goro
Aqueous corrosion of ferrous materials at elevated temperature. 359828
Ito, Hiroyuki
1300MVA steam-turbine generators for Kansai Electric Power's Oi Nuclear Power Station. 350232
Ito, K.
Doppler profile measurements of Balmer-α by electron impact on simple molecules. 358761
Recent progress in KEK preinjector. 363231
Ito, Katsuaki
The mode of contractile action of palytoxin on vascular smooth muscle. 354847
Ito, Kensai
Measurement of superheavy nuclei in primary cosmic ray. 377619
Telescope for observation of cosmic ray isotopes. 379876
Ito, Koji
Balloon observations of infrared surface brightness of our galaxy. 348999
Immunological studies on multilocular echinococcosis. 349850
Ito, Koreaki
Membrane proteins of Escherichia coli K-12: two-dimensional polyacrylamide gel electrophoresis of inner and outer membranes. 357653
Ito, Masaru
Separation method of uranium isotopes. 360561
Ito, N.
Nuclear power plant construction and operating experiences in Japan. 352652
Ito, Noboru
Development of PWR power-generating plants and the review. 374213
Ito, Otomasa
Double blind test of L-cysteine for protection against radiation-induced side effects in man. 367531
Ito, R.
Interpolation formulas for quantities related to radiative energy-loss of electrons. 356556
Ito, Takehisa
A sensitive radioimmunoassay of serum estrone using ^{125}I-estrone. 349842
Ito, Tetsuo
Radiation hazard control system. 367830
Ito, Toshi
Performance evaluation and fundamental problem of the ACTA scanner. 374331
Ito, Toshiaki
Device for inspecting abnormalities of a reactor. 368056
Pressure vessel for a reactor. 360893
Ito, Y.
Lineshape studies of deconvoluted spectra of annihilation radiation in neopentane solutions of some organic iodides. 353476
Measurements of dispersion relation of waves in a turbulently heated plasma by microwave scattering method. (IPPJ – 291) 366590
Observation of current driven ion sound wave in a turbulently heated plasma (the MACH II). 356078
Observation of current-driven ion sound wave in a turbulently heated plasma (THE MACH II). (IPPJ – 274) 353506
Ito, Yasuhiko
Basic and clinical studies on bone deposition of sup(99m)Tc-labeled methylene diphosphonate. 354935
Instrumental efficacy for imaging ^{123}I. 354951
Ito, Yoneko
Effect of low dose x-ray irradiation on development and differentiation of the cerebral cortex, (6). 354777
Ito, Yoshiharu
Device for regulating the position of fuel supporter. 368019
Ito, Yoshiyasu
Vacuum vessel for nuclear fusion device. 366602
Ito, Yutaka
Support of nuclear fusion apparatus. 366654
Toroidal type nuclear fusion apparatus. 366564
Vacuum vessel in a nuclear fusion device. 366637
Itoh, Akio
Excitation of nitrogen molecules by the impact of 80-160 keV protons. 377042
Itoh, K.
Saturation of kink instability and helical equilibrium of cylindrical tokamak. (INIS-mf – 3963) 371900
Itoh, Kazuo
Study on tumor affinity of sup(99m)Tc-labeled radiopharmaceuticals. 349843
Itoh, Kimitaka
Current driven drift instability in both self-induced and external magnetic shear field. (IPPJ – 302) 377441
Diffusion of a multi-ion species plasma due to drift wave fluctuations. (IPPJ – 267) 353646, 359031
Saturation of kink instability and helical equilibrium of current carrying plasma column. (IPPJ – 278) 353568
Shear stabilization of collisional drift instability. (IPPJ – 303) 377442
Itoh, M.
The changes of electrochemical and mechanical properties through gamma irradiation of a collagen aqueous solution. 375686
Itoh, Masaru
Protective functions of the experimental multi-purpose high-temperature gas-cooled reactor. (JAERI-M – 6893) 358095
Itoh, N.
The initial production of defects in alkali halides: F and H centre production by non-radiative decay of the self-trapped exciton. 360096
A statistical theory of nuclear neutrino capture. 354072
Itoh, S.
Tokamak experiments on JIPP T-II device. (INIS-mf – 3963) 371853
Itoh, Yasuyoshi
Energy degradation matrix for inelastic scattering of neutrons. 349097
Itou, Yutaka
Construction of non-circular cross-section tokamak with diverter 'JFT-2a' for nuclear fusion research. 358961
Its, A.R.
Two-dimensional solitons of the Kadomtsev-Petviashvili equation and their interaction. 356137
Itskovich, G.M.
Application of rare earth metals for regulation of the composition and morphology of non-metal inclusions in steel reduced with aluminium. 375768
Itskovich, R.Yu.
Investigation of photo- and roentgenoluminescence of $LiYF_4$-rare earths monocrystals. (INIS-mf – 3955) 362155
Itti, R.
Processing and interpretation of dynamic curves in Nuclear Medicine. 354936
Iturralde, M.
Bone marrow imaging with iron 59. 376143
Itzkovitch, I.J.
Influence of uranium extractants on pyrite oxidation ability of Thiobacillus ferrooxidans. 365370
Itzykson, C.
Asymptotic estimates in quantum electrodynamics. 363790

Iutin, N.N.
Magnetic properties of solid solutions in the $NdVO_3$-$CaVO_3$ system. 369589
On raising of the Curie temperature of the EuO magnetic semiconductor. 374685
Ivakhnenko, N.N.
Valve control system for the Skat bubble chamber. 358355
Ivakhnenko, P.S.
Mechanism of activator X-luminescence in potassium halogenides with di-valent ytterbium. 371521
Ivakhnenko, S.S.
Mechanism of activator X-luminescence in potassium halogenides with di-valent ytterbium. 371521
Ivakin, A.A.
Conditions for formation of decahexa- and dodecavanadates of calcium, strontium and barium. 359621
On chemical nature of hydrated vanadium pentoxide. 351544
Ivakin, B.N.
Way of investigation into rocks. (Soviet patent document 481009/A/) 362564
Ivanchenko, I.M.
Software for an experiment in serch for a new type of radioactivity. (JINR - 10-9214) 380150
Ivanchenko, V.G.
Gd, Tb, Dy, Ho, Er solubility chromium. 349545
Ivanchev, M.D.
Combinatorial analysis of the balanced characteristic trees with variable branching-factor. (JINR-R - 11-9777) 376854
Ivandaev, A.I.
Study on hydrodynamic crisis of two-phase flow. 376311
Ivanenko, A.I.
Neutron resonance spins of ^{159}Tb from experiments with polarized neutrons and polarized nuclei. (INIS-mf - 3897) 354132
Spin dependence of the total neutron cross section of ^{169}Tm and ^{141}Pr in the neutron energy range up to 100 keV. (JINR-R - 3-10835) 377954
Ivanenko, D.D.
Equation of state for a superdense matter. 349111
To the problem of superdense matter. 353686
Ivanenko, V.M.
Gamma guanta families from a dense target and their inter. 361662
Ivanets, V.N.
Activation analysis system for laboratory with "Gidra" pulsed reactor. 349952
Ivanij, V.S.
Recrystallization texture and anisotropy of properties of cold rolled α-titanium. 373167
Ivanikov, V.P.
Safeguarding radiation safety in nuclear power plant operation. 367795
Ivanikov, V.V.
Rare-earth elements in calcites of carbonates of Turij peninsula (from the neutron activation analysis data). 349157
Ivanilov, A.A.
Observation of possible production and decay of short-living heavy neutral particles in the SKAT neutrino experiment. 353930
Ivanitskij, P.G.
Aluminium-yttrium garnet phonon spectrum. 361480
Lattice phonon spectrum of zirconium dioxide and solid solutions on their base. 348857
Phonon spectrum of aluminium-yttrium garnet. (INIS-mf - 3955) 377306
The phonon spectrum of NaI crystal. 348856
Ivanitskij, V.P.
On the phase composition of the meteorite "Krymka" by the Moessbauer study data. 349630
Ivannik, B.P.
Determination of the molecular weight of single-stranded DNA as a component of the deoxyribonucleoproteid complexes both irradiated and intact. 352003
Ivannik, V.P.
Effect of transcription and translation inhibitors on reparation and degradation of DNA in irradiated thymocytes. 351993
Ivannikov, K.I.
Device for pulsed gas feed. (Soviet patent document 434509/A/) 350067
Ivanov-Ehmin, B.N.
Thermal decomposition of tetrahydrates of holmium and erbium nitrates. 354335
Ivanov-Emin, B.N.
Cesium hydroxoplatinate. 351494
Ivanov-Kholodnyj, G.S.
Aeronomic reactions with participation of charged particles. (INIS-mf - 3915) 349673
Problems of electron flux ionization in the upper atmosphere. (INIS-mf - 3915) 349678
Ivanov-Smolenskij, G.A.
Ferromagnetic resonance in iron-chromium monocrystals. 370020
Ivanov, A.
Investigations into the changes of IR and UV spectral characteristics and the formation of geometric and position isomers in the case of sunflower oil, lard and butter under the influence of gamma rays. 365078
Studies on the changes of biologically active complexes of sunflower oil, tard, and butter under gamma irradiation. 365063
Ivanov, A.A.
Anisotropy of superhigh-energy particles. 361694
Antitissue antibodies in the serum fractions of intact and irradiated animals. 362678
Electron detachment from fast hydrogen anions in a plasma target. (INIS-mf - 3915) 348670
Hydrostatic bearing with a stepped duct. 349997
On the longitudinal development of extensive air shower at the primary particle energy above 10^{17} eV. 362601
Stabilization of drift-cyclotron loss cone instability in the trap with ambipolar mirrors. (INIS-mf - 3963) 371902
Ivanov, A.B.
A low pressure proportional chamber with a high space resolution. 355531
Method for fabricating articles from spherical particles. (Soviet patent document 503836/A/) 375928
Tuning of a magnetostriction spark chamber system of the "Photon" device by means of a beta source. (JINR - 13-10321) 379856
Ivanov, A.E.
Studies of structural material degassing in cryogenic vacuum technique. (KFTI - 76-21) 357290
Ivanov, A.G.
Destruction of metallic foils under laser radiation. 365122
Ivanov, A.M.
Injection for the IHEP booster using I-100 linac. (IFVE-PKU - 76-37) 376370
Study on the structure of the even-even iron isotope surface by the Blair phase shift method. 375195
Ivanov, A.O.
Spectroscopic properties of monocrystals of rare earth-aluminium garnets and rare earth ortho-aluminates activated by Ho^{3+}, Er^{3+} and Tu^{3+} ions. (INIS-mf - 3955) 378291
Ivanov, A.S.
"Aurora-2", "Aurora", "Electron-4" high-voltage accelerators. (INIS-mf - 4194) 376348
Operation experience of the industrial high-voltage "Electron" type accelerators and prospects for their modification. (INIS-mf - 4194) 376347
Pilot-industrial production of radiation-modified thermal-shrinkaged "Termoplen" film. (INIS-mf - 4194) 376283
Prospects for the development of high-voltage electron accelerators for power industry. (INIS-mf - 4194) 376822
State of and prospects for the application of neutron generators in national economy. (INIS-mf - 4194) 376363
Ivanov, A.V.
Magnetic properties and crystal structure of UCosub(5.3) alloy. 373183
Uranium (4) compounds with chlorosubstituted derivatives of acetic acid. 362237
Ivanov, B.
Chromosomal aberrations in human lymphocytes in vitro chronically irradiated with different doses of gamma-rays. 367455
Ivanov, B.I.
Shift of frequency of hyperline transition Δmsub(F)=0 of H atom basic state in its's chemical interaction with gase form molecules. (INIS-mf - 3915) 350619
Ivanov, E.A.
Gauge theories as theories of spontaneous breakdown. (JINR-E - 2-9822) 376918
On Σ-models of spontaneously broken symmetries. 348592
Ivanov, E.N.
Determination of the thermodynamic properties of titanium sponge, rare earth oxides and carbonates. 351554
Ivanov, G.K.
Perturbation of degenerated atomic states upon collision with neutral particles. 377043
Scattering of free and weakly bound electrons by molecules. (INIS-mf - 3915) 348690
Vibrational excitation of molecules under resonant electron scattering. 353254, 377020
Ivanov, G.P.
Sputtering of thin layers of triuranium octoxide under the action of fission fragments for small radiation doses. 358861
Ivanov, I.F.
On the role of tocopherol (vitamin E) in the additional harmful action produced by postirradiation hyperoxia. 370349
Ivanov, I.K.
Roentgenoelectronic investigation of some molybdenum oxides. 357023
Ivanov, I.N.
Activation analysis system for laboratory with "Gidra" pulsed reactor. 349952
Computer-selected optimization of activation analysis methods. 364851
Investigation of the capture system without change in injected electron energy. (JINR-R - 9-9139) 355185
A mathematical model of monoenergetic gamma-ray spectra. 368482
New methods of acceleration. (JINR-R - 9-9341) 350066
Ivanov, L.I.
Effect of laser irradiation of superconducting materials on the basis of niobium on the character of critical temperature change. 361759
Effect of rarefied gas flows on the temperature mechanical properties of refractory metals. (INIS-mf - 3954) 362368
Radiation stimulated processes in metal materials of thermonuclear fusion reactors. Simulation problems. (INIS-mf - 3954) 362381
Ivanov, L.M.
Phase correlations in DyOsub(1,5)-PrOsub(1,5) and DyOsub(1,5)-PrOsub(x) systems. 367096
Ivanov, L.N.
The informativity enhancement of the instrumentation with

radioactive radiation sources of high intensity. 349626
Kinematic model of loop prominences formation. 356258
On the mechanism of the loop prominences formation. 369112
Optical-spectroscopic investigation of CaF_2-Gd, Eu monocrystals. (INIS-mf – 3955) 377263
Possibility of discharge of metastable nuclei during negative muon capture. 368656

Ivanov, M.A.
Lifetimes of ^{64}Zn levels populated in the ^{51}V(^{16}O,p2nγ) reaction. 375147
On the ^{68}Ge excited states. 375178

Ivanov, M.P.
Device for pulsed gas feed. (Soviet patent document 434509/A/) 350067

Ivanov, M.T.
Observation of NMR signals on V^{51} nuclei in Fe-V films. 361479

Ivanov, N.A.
Formation of disorder regions in silicon affected by high-energy gamma-quanta. 348795

Ivanov, N.S.
A gas-discharge ion source for an on-line electromagnetic mass separator at a heavy ion accelerator. I. 367861

Ivanov, N.V.
The effect of the helical winding HF current on the To-1 tokamak discharge. 374803

Ivanov, O.S.
Study on Re-Ta-Mo phase diagram. 375902

Ivanov, P.M.
Basic problems of fast-reactor fuel recovery. 367193
Decladding of BOR-60 and BR-5 fuel elements by clad melting. (NIIAR-P – 17(283)) 359840
Pilot plant reprocessing of the BOR-60 spent uranium fuel by using fluoride volutility method. (IAEA-AG – 63-21) 362336
Thermal decladding of BOR-60 fuel elements. (IAEA-AG – 63-16) 363489

Ivanov, P.P.
On the effect of different losses on power MHD generator characteristics. 369239

Ivanov, S.F.
Magnetic field effect on critical behaviour of $FeBO_3$ weak ferromagnet susceptibility. 374699

Ivanov, S.I.
Coherent acoustic emission in metals. 370237

Ivanov, S.N.
Attenuation of ultrasound in doped crystals of alumo-yttrium garnet and alumo-magnesium spinel. 355932
Search for a neutron electric dipole moment using ultracold neutrons. (INIS-mf – 3895) 355525

Ivanov, S.S.
About notch effect on the environment sensitivity of high-tensile steels. 375733

Ivanov, S.V.
NMR in ferro- and antiferromagnets in conditions of magnon "bottleneck". Derivation of equations of motion. 361450
On the possibility of existance of magnon "bottle neck" at nuclear spin-lattice relaxation in ferro- and antiferromagnets. 350738

Ivanov, V.A.
Arrangement for study of π^0-photoproduction on ^{4}He nuclei. 379852
Detection of electron-photon showers by means of drift chambers. (EFI – 141(75)) 368268
Detector of recoil nuclei stopping in spark chamber gas. 350280
Thermonuclear power plant based on a pulse reactor with a cumulating liner and its competitiveness evaluation. (INIS-mf – 3954) 361555

Ivanov, V.B.
Study on gamma and neutron radiation effects on Ge(Li) detector performances. (NIIAR-P – 267) 358458

Ivanov, V.D.
Production of hot beta-active aerosol particles of a spherical configuration. 357872

Ivanov, V.G.
Charge asymmetry at large psub(T) in inelastic anti pp reactions at 22.4 GeV/c. 353943
Multiplicities and forward-backward correlations in anti pp interactions at 22.4 GeV/c. 366882
Principles of organization and the structure of the module system of programmes for data processing. 361218
Technique control and quality evaluation of results from chamber picture measurings. (JINR – 10-9833) 368484

Ivanov, V.I.
Complexometric determination of trivalent rare earths and actinides with diethylene-triaminepentaacetic acid. 367059
Equipment for experiments on study of properties characterizing acoustic emission. (IAE – 2620) 376747
Fast ion production in a tokamak plasma in the lower hybrid heating experiments. (INIS-mf – 3963) 371867
Investigation of a 90-channel Pb glass Cherenkov hodoscope. 358336
Photomultiplier power supply with frequency up to 100 MHz. (JINR – 13-9172) 350353
Power supply for a 100 MHz photomultiplier. 376675

Ivanov, V.K.
Interaction of silicon carbide filaments with the matrix of a complex nickel alloy. 370088

Ivanov, V.M.
Azo derivatives of pyrocatechol as analytical reagents for tungsten and molybdenum. (INIS-mf – 4191) 375318
Complexing of uranium (6), zinc (2) and manganese (2) with 7-(benzene-azo)-8-oxyquinoline-5-silfonic acid. 378158
Properties of coatings based on alumomagnesium spinel. 370089
Some organic solvents effect on properties of uranium(6), zinc(2) and manganese(2) compounds with 7-(2-thiazolilazo)-8-oxyquinoline-5-sulfoacid. (INIS-mf – 4192) 375548

Ivanov, V.N.
Note on the time evolution of minimum uncertainty states. 371443

Ivanov, V.P.
Time local intensity variations in the Cassiopeia-A radiosource spectrum. 369024

Ivanov, V.S.
Investigation of radiation-induced block polymerization of N-2,4-dimethylphenylmaleimide. 349351
Polymerization of solid N-phenylmaleimide. Specific features of growth of the polymer chain and determination of the reaction volume. 367169

Ivanov, V.V.
Design of a vacuum chamber for the T-10M facility. (INIS-mf – 3954) 361554
High-pulsed parts of spectra of secondary particles from collisions of 6,3 GeV/C deuterons with protons, deuterons and carbon nuclei. (JINR-D – 1,2-9342) 356486
Induction mhd generator. (Soviet patent document 430473/A/) 349048
Radiative equilibrium of highly nongrey atmoshperes. 351029

Ivanov, Yu.A.
The "ARS-1" device for radiometry of samples containing alpha-radioactive isotopes. 363612
Crystal structure of Na,Cd-ammonium diorthophosphate $(NH_4)Na_2Cd_3[P_2O_7]_2Cl$. 362185

Ivanov, Yu.M.
Determination of excess component in non-stoichiometric cadmium telluride crystals. 349192
Device for spectrometry of powerful pulse X-radiation fluxes. (Soviet patent document 441491/A/) 354657
Mechanical and corrosion properties of titanium-molybdenum and titanium-tungsten alloys obtained from titanium foam alloyed in the process of reduction. (INIS-mf – 3839) 365083

Ivanov, Z.
On some problems of the combined action of radon and silicon dioxide. 367579

Ivanova-Yakushko, V.N.
Influence of austenite grain size on mechanical properties of chromium-nickel structure steels. 349532

Ivanova, A.B.
Effect of an ionizing radiation on the activity of the components of the system: DNA ase 1-natural DNA ase 1 inhibitor in blood serum of white rats. 367500

Ivanova, E.V.
Invariants and radiation of some nonstationary systems. 363791

Ivanova, I.F.
Rhodanide complexes of molybdenum tungsten and rhenium with crystalline violet and their using in analytical chemistry. (INIS-mf – 4191) 375467

Ivanova, I.I.
Application of microfluorescence to the estimation of the effect of sulfur-containing radioprotectors in lymphoid tissue. 376117

Ivanova, L.D.
Preparation and study of solid monocrystals of solutions based on Sb_2Te_3 and Bi_2Te_3. 369889

Ivanova, L.I.
Effectiveness of protection of graphite with pyrocarbon against aggressive media. 378789
On correlation between temperatures and heat of phase transformations and molecular weight of alkali metal halides. 349230

Ivanova, L.M.
On the necessity for evaluation of the limits of radioactive waste disposal into water systems of international importance. 368394

Ivanova, L.P.
Structure and properties of the weld-up joints of chromium stainless steels. 349515

Ivanova, L.S.
Study of kinetics of equilibrium cations exchange on oxidised carbon with use of radioactive indicators. 351495

Ivanova, N.D.
Black chromium coatings on different structural materials. 351706
Electrolyte for electrodeposition of rhenium. (Soviet patent document 456044/A/) 375468

Ivanova, N.S.
Search of antinuclei in primary cosmic rays. 356259
Specific features of treatment and use of plastic track detectors. 376624
Study on interactions of cosmic-ray relativistic nuclei with emulsion nuclei at total decay of a target nucleus and in peripheral collisions. 362110

Ivanova, S.P.
Nonrotational states of odd-mass nuclei in the $225 <= A <= 233$ region. (JINR-R – 4-8582) 359408
Strength functions of βsup(+) decay of $^{117-123}$Ba isotopes. 349112
1^+ collective states of ^{124}Cs and ^{126}Cs nuclei. 375115

Ivanova, T.A.
North-south asymmetry and anisotropy of solar cosmic radiation during the April 18, 1972 flare. 378923

Ivanova, T.F.
Action of ^{60}Co gamma radiation on polymeric cationites. 370128
Interaction of gamma radiation of Co^{60} with heterogeneous systems, made on base of polymers with dyes. 370153

Ivanova, T.I.
On welding strains in a large-sized ring of austenite steel. 375790

Ivanova, T.S.
The magnetohydrodynamic dynamo-model of the solar cycle. 369113
Ivanova, T.V.
Photochemical transformations of radicals in polyethylene oxide at 77K and their role in destruction processes. 357152
Ivanova, V.B.
Shock waves effect on zirconium dioxide. 349560
Ivanova, V.V.
Radiation-induced phase transformation in ferromagnetic perovskite. 365243
Ivanovich, M.
Determination of aquifer parameters by a two-well pulsed method using radioactive tracers. 373440
Nuclear Physics Division Progress Report for the period 1st April 1976 to 31 December 1976. (AERE-PR/NP – 24) 356612
Ivanovskij, L.E.
Bromine reaction with molten alkali metal chlorides. (INIS-mf – 4193) 375470
Electrode processes during electrolysis of molten salts containing halogenides of polivalent metals of the lowest valence. (INIS-mf – 4189) 375469
The method of producing zirconium coatings. (Soviet patent document 449115/A/) 359871
Nature of halogen solutions in molten alkali metal halides. (INIS-mf – 4193) 375471
Ivanter, I.A.
Effect of conditions of decomposition of ruthenium hydroxychloride. 349231
Ivanter, I.G.
On the theory of relaxation of moments of mesoatomic and beta-radiative nuclei of paramagnetic ions and atoms. (ITEF – 79) 371589
Theory of vacancy mechanism of recoil nuclei depolarization. (ITEF – 81) 361437
Ivanyk, L.I.
On the role components of Fe-Te-Mo-O catalyst for isobutylene oxidation. 378449
Ivanyuk, F.A.
New determination of the shell correction into nucleus droplet energy. 375139
Ivanyukovich, G.A.
On the effective atomic number of rocks and ores. 360134
Optimal conditions for measurements in the section dismembering using density gamma-gamma logging. 360160
Ivarsson, J.
Superconductivity of Nb_5Ge_3. 351738
Ivascu, M.
Lifetime measurements in ^{86}Zr. 375156
Ivashchenko, A.T.
Effect of X-radiation on at Pases activity of plasmatic membranes and other subcellular liver fractions. 370364
Ivashchenko, N.V.
Tantalum hexathiocyanate complexes. 369709
Ivashchenko, Yu.N.
Content of interstitial elements on the surface of molybdenum sheet stratifications. 359904
Study of lithium diffusion by dislocations in Mo, W and their alloys. 354526
Ivashentsev, Ya.I.
On preparation of samarium, europium and gadolinium oxychlorides. 375472
On the effect of CdO on the interaktion of In_2O_3 with ammonium chloride. 375487
Studies on interaction of lanthanum sesquioxide with mixture of chlorine and carbon oxide. 372974
Ivashin, V.V.
Effect of elastic interphase strains on extinction in aging nimonic type alloys. 369954
Ivashina, G.A.
Electrochemical decomposition of zirconium carbides in solutions of sulfuric acid. 378292
Thermodynamic characteristics of concentrated solutions of group 2 metal nitrates at high temperatures. 349247
Ivashkevich, A.A.
Application of the analogy between mass, energy- and momentum transfer to the calculation of the critical heat flux in subcooled boiling of liquid a tube. (FEI – 571) 349971
Estimation of superheated steam quality by measuring the real steam temperature. (FEI – 509) 376303
Ivashkin, S.V.
Increasing information reliability in case of radioactive logging. 349631
Measuring telesystem for pulse neutron logging. 349648
Ivchenko, E.L.
Investigation of spin memory effects in CaF_2 and SrF_2 crystals activated by europium. (INIS-mf – 3955) 377204
Optical orientation and circular polarization of Eu^{2+} luminescence in CaF_2 and SrF_2 crystals. 371617
Ivchenko, L.A.
Effect of thorough compression and temperature change on optical spectra of aluminium-yttrium garnet monocrystal, activated by neodymium. (INIS-mf – 3955) 378434
Effect of uniform compression on spectrum of aluminium yttrium garnet monocrystal activated by neodymium. 359713
Ivens, G.
Operational experience with the AVR high-temperature reactor at a gas outlet temperature of 950°C. 358261
Iveronova, V.I.
Short-range order in metallic alloys. 373209
Ives, J.
Some features of the x-ray source on Cyg X-3. (CONF-7510169 –) 364372
Ives, J.C.
An increase in the x-ray absorption of NGC 4151. 356180
The X-ray temperatures of eight clusters of galaxies and their relationship to other cluster properties. 356293
Ives, M.
Strawberries, apples and pears. 367666, 367667
Ivin, G.F.
Interaction of InSb with Ga. 359938
Ivkin, V.G.
Control and data aquisition systems on tokamak-type thermonuclear facilities. (INIS-mf – 3954) 364261
Ivko, A.A.
Determination of yields of gaseous products of carbohydrates radiolysis by mass spectrometry method. 378519
Ivkovic, V.
A system for stabilizing the gain of a scintillation spectrometer using a light-emitting diode and a processor in feedback. 371173
Ivlev, A.A.
New approximation for calculating partition function ratios of isotope-substituted molecules. 372971
Ivlev, A.V.
Induction storage with current electromagnetic multiplication. (INIS-mf – 3954) 361563
Ivlev, V.I.
Corrosion of titanium and its alloys in nitric acid solutions with additions of hydrogen peroxide. 362301
Ivleva, I.N.
Magnetic properties of molybdenum halides on polymeric carriers. 378293
Ivleva, V.S.
Effect of heat treatment on properties of InSb alloyed with Ge, Zn, Mn, Cd. 369911
Iron as an ion acceptor in indium antimonide. 367253
Ivojlov, N.G.
Electronic circuits for the control of the motion system with a feedback for a three-channel nuclear gamma-resonance spectrometer with constant velocities. 358428
Inducing spin reorientation in the region of phase transformation in $YFeO_3$. 374670
Iwagami, Naomoto
Measurement of nitric oxide abundance in equatorial upper atmosphere. 354724
Iwahashi, A.
Current density profile of noncircular tokamak. (INIS-mf – 3963) 372062
Iwahashi, Haruo
The application of the spin trap, phenyl t-butyl nitrone, to the study of the γ-radiolysis of cyclohexane. 359782
Iwai, Kazuhiro
Neutronics experiments of D-T fast neutrons by application of associated particle method. 359028
Iwai, Seiko
Generalized Vector Meson Dominance in high energy νN and anti νN scattering. 353834
Iwai, Shoji
Histological classification of advanced uterine cervical cancer based on histogenesis and radiosensitivity. 373578
Iwai, Shozo
Vent mechanism. 360977
Iwai, T.
Calculation of emission cross-sections on the dissociative excitation of H_2O by electron-impact. 368633
Iwai, Tadashi
Radiation-induced oxidation of syndiotactic 1,2-polybutadiene. 354448
Iwai, Tsuruji
Dissociative excitation of water molecule by electron impacts, 1. 353242, 353243
Iwaki, M.
Concentration profiles of Cr, Ni and Cu implanted into mild steel. 368805
Iwaki, T.
Collapse test of a model shipping cask under high external pressure. 350044
Iwama, N.
Correlation method for estimating wave-number spectrum moments of fluctuations. 366565
Iwamoto, K.
Status of VHTR fuel research in Japan. 368180
Iwamoto, M.
6250kVA superconducting generator. 367918
Iwamoto, Nobuya
Fundamental considerations on plasma sprayed ceramic coating, (1). 360015
Self-diffusion coefficients of fluorine in molten LiF-BeF_2 mixture system. 359669
Self-diffusion of lithium in molten Li_2BeF_4. 367087
Iwamoto, Takeo
Fabrication characteristics and strength of polymer-impregnated concrete polymerized by accelerated electron. 373372
Iwan, M.
Optical properties of some insulators in the vacuum ultraviolet region. 350735
Photoemission investigation of autoionizing Na^+-2p core excitons in NaCl. 353443

Iwanami, H.
Electron precipitation associated with a magnetic disturbance in the low L region. 359094
Iwanowski, L.
Ultrastructure of rat cerebral vessels 4 months after gamma irradiation. 373528
Iwao, S.
Quark-polaron model of fundamental particles. 353835
Relative strengths of Pomeron and other particle couplings. 364515
A rigorous sum rule for deep inelastic lepton-hadron scatterings. 353972
Iwasa, Y.
Stability of superconductors against localized disturbances of limited magnitude. 370721
Supercritical helium cooled, cabled, superconducting hollow conductors for large high field magnets. 360626
Iwasaki, Kohzi
Coastal observation of Tokai-mura. (PNCT – 831-76-01) 378893
Iwasaki, Koji
Measurement of continuous diffusion from a fixed source in the coastal water. (PNCT – 831-76-01) 378898
Iwasaki, M.
Effect of irradiation temperatures on hydrogen atom reactions in neopentane and its mixtures irradiated at 4.2 and 77°K as studied by electron spin resonance. 357153
The formation of Rb_2UF_8 by fluorination of $RbF.UF_4$. 369742
Iwasaki, S.I.
On the manganese content of the egg of Oryzias latipes and its change during the early development. 372871
Iwasaki, Saburo
A new method for microscopic description of the so-called 'many-phonon' states in spherical even-even nuclei, 1. 354073
Iwasaki, T.
Defects and fracture strength of large rotor forgings for steam turbines. 351771
Iwasaki, Toshio
Cover gas system in a reactor. 368208
Iwasaki, Y.
Cross-sections for several-nucleon pick-up reactions and unitarity. 356789
How to find eta/sub c/ and a possible state cc-barcc-bar. 351223
Proton inelastic scattering from ^{110}Cd and ^{112}Cd at isobaric analog resonances and analysis with the quasiparticle random-phase approximation. 354267
Iwashima, Kiyoshi
Separation of strontium ion from a large amount of calcium ion by the use of a macrocyclic ether. 367092
Iwata, S.
The cross section for the production of massive electron pairs and the UPSILON(9.5 GeV) in proton-proton collisions at the CERN ISR. 369367
Lepton detector workshop summary. (BNL – 50611) 357967
Study of photons produced simultaneously with the J/psi particles at the CERN Intersecting Storage Rings. 377794
Iwata, Shiro
Precision of neutron activation analysis for environmental biological materials. 359554
Iwata, Yutaka
Unfolding of neutron critical scatterings. (KURRI-TR – 149) 354008
Iwen, I.
Radioecology of Picea excelsa (L.) Lam. 370426
Iwinski, E.
TFTR magnetic field design analyses. (WFPS-TME – 026) 366519
Iya, V.K.
Application of large radiation sources in Asia and the Pacific – a review. (INIS-mf – 4165) 376285
Radiation treatment sewage – present status and future prospects. 367891
Iyakutti, K.
Effect of correlation on the bandstructures of Th and Os. 355997
Relativistic band structure of thorium. 366425
Iyengar, G.V.
Application of the brittle fracture technique (BFT) to homogenise biological samples and some observations regarding the distribution behaviour of the trace elements at different concentration levels in a biological matrix. 372876
Iyengar, H.K.S.
Hydromagnetic stability of a jet of very high compressibility. 366566
Iyengar, P.K.
Indian experience in the training of manpower for a nuclear power programme. 371321
Manpower development for the nuclear power program in India. 352562
Radiation physics and nuclear technology. 361930
Iyengar, T.S.
Tritium persistence pattern in some terrestrial plants-field investigations. (INIS-mf – 4140) 373627
Uptake of tritium through foliage in capsicum fruitescens, L. (INIS-mf – 4141) 373608
Iyer, K.N.
Quiet day variation of geometric H-field at low latitudes. 373471
Iyer, S.R.K.
Design and construction of packages for the transportation of radioisotopes. 350012
Izak-Biran, T.
Independent yields of fast-neutron fission of ^{232}Th: Observation of proton odd-even effect and neutron shell effect on the yields. 351374
Izawa, Y.
Laser fusion research in Osaka. (IAEA – 200) 353656
Thermonuclear fusion plasma by lasers coupling and implosion. 359041
Izawa, Yasuhei
Effect of gamma radiation on gate trigger current of thyristors. 350387
Izbasarov, M.
Leading pions in πsup(-p) interactions at 11 GeV. 349091
Izhnin, I.I.
On concentration and field dependences of Hall coefficient and resistivity in Hgsub(1-x)Cdsub(x)Te. 368886
Izhvanov, L.A.
Phase equilibria in the Y-Zr-H system. 375829
Izmajlova, G.G.
Experimental research of Pm^{147} high-voltage radioisotope batteries characteristics. 349945
Izotov, E.N.
Device for fast particles absorption. (Soviet patent document 430805/A/) 350086
Izotov, V. M.
Rolling of tungsten base cermet in four-roll grooves. 351849
Izotov, V.I.
On disoriented zones in gliding deformed (295)sub(A)-martensite crystals of the Fe-31Ni alloy. 378294
Izotova, I.P.
Production and study of molybdenum alloy monocrystals. (INIS-mf – 3839) 365126
Izquierdo, L.
Nuclear power training programmes in Spain. 371333
Izraehl', Yu.A.
Global contamination by ^{137}Cs, ^{90}Sr and doses of external irradiation on the territory of the USSR. 376146
Izrael, J.A.
Global pollution of the Soviet Union and the external exposure doses for ^{137}Cs and ^{80}Sr. 360529
Izrailevskij, L.B.
Relation between coefficients of dynamic viscocity of heavy and fresh water in a liquid phase. 375936
Izu, Kumie
Effect of ^{60}Co-γ ray irradiation on green coffee beans, 1. 367681
Izui, K.
Localization of electron current density and its effect on damage production in a molybdenum crystal. 365241
Izumi, Kenkichi
Development of balanced downflow type surface condensers, (2). 350147
Izumi, Kiyoshi
Device for regulating the position of fuel supporter. 368019
Izumi, Masayuki
Measuring instruments of power distribution within reactors. 368057
Izumi, O.
Superconducting properties and microstructure in dilute copper alloys containing small amounts of V_3Ga particles. 373240
Izumo, K.
The dependence of multiple inner-shell ionization on the projectile energies and on target elements by nitrogen-ion bombardment at the energy above 4 MeV/amu. 353180, 376964
Izutsu, Sadayuki
Space dependent kinetics codes by synthesis method. (JAERI-M – 7067) 350444
Izvekova, V.A.
On the applicability of hollow-cone model to pulsars. 374920
Izycki, M.
Evidence for bound states in the anti pp-system. 377811
Evidence for narrow bound states related to the panti p system. 377817
Measurements on light antiprotonic atoms. 376976
Pion absorption by ^3He. 377963
Study on antiprotonic atoms of light nuclei and isotopes. 371523
Izyneev, A.A.
Investigation of mechanism of radiationless relaxation of excited states of Er^{3+}, Ho^{3+}, Tm^{3+}, Nd^{3+}, Yb^{3+} ions in glass of different composition. (INIS-mf – 3955) 378269
Spectroscopic and laser characteristics of ultraphosphate neodymium glass. (INIS-mf – 3955) 362144
Study on neodymium glass on the base of alkali metals metaphosphates. 370108
Izyumov, Yu.A.
Superconductivity of compounds based on transition elements and its connection with lattice instability. 364447
Jaakkola, T.
Plutonium and americium in the foodchain lichen-reindeer-man. (CONF-770409 – 11) 362761
Plutonium in Baltic sediments. (CONF-770409 – 10) 367411
Jaap, R.G.
Structural rearrangements of chromosomes in the domestic chicken: experimental production by X-irradiation of spermatozoa. 360278
Jaber, W.
Comparison of coarse-mesh methods for benchmark and realistic reactor problems. 350120
Jabiol, M.A.
General features of anti pp interactions at 32 GeV/c. 353973
A study of πsup(+), πsup(-) and proton production in pp interactions at 69 GeV/c. 361867
Jablonski, K.
Investigation of the neutron detection statistics in fast critical assembly BFS-24-1. 355243

Jablonski, R.
Investigation of iron doped $LiNbO_3$ crystals by electron paramagnetic resonance. 378247
Investigations of chromium-doped CaF_2 monocrystals irradiated with gamma rays. 378296
Investigations of heated monocrystals of chromium-doped CdF_2 and CaF_2 by EPR method. 378295
Jabsen, F.S.
Cell-shaped fuel element spacer grid construction. (German (F.R.) patent document 2550932/A/) 352487
Cellular grid for nuclear fuel elements and procedure jointly used. 355286
Device for dismounting fuel elements. (German (F.R.) patent document 2462455/A/) 365827
Grid plates for spacing nuclear fuel rods, provided with corrugations for controlling the coolant pressure drop. 360809
Nuclear reactor fuel element. (German (F.R.) patent document 2100501/C/) 352486
Spacer grid plate for nuclear reactor fuel elements. (German (F.R.) patent document 2552898/A/) 355285
Jacak, L.
Collective excitations of ^{3}He-B: the method of the kinetic equation. 364448
Jaccard, C.
The surface of ice near 0° studied by 100 keV proton channeling. 355985
Jachcinski, C.
Lifetime of the 6^+_1 state in ^{42}Ti. 351339
Jachim, M.
Selective production of short-lived neutron deficient nuclei of yttrium, strontium and rubidium by the use of molybdenium or zirconium as on-line solid target materials. 379367
Selective production of short-lived neutron-deficient isotopes of yttrium, strontium and rubidium using molybdenum and zirconium as on-line solid-state targetmaterial. (ZfK – 332) 372949
Jacholkowska, A.
Inclusive V^0 production in anti pp interactions at 12 GeV/c. 353939
Jacimovic, L.J.
Determination of some trace elements in some human concretions. 369548
Jacke, S.
Economic aspects of power generation in HTR reactors. 371228
Jackiw, R.
Spinor analysis of Yang-Mills theory. 363792
Jackman, A.H.
Delayed hydrogen cracking of zirconium alloy pressure tubes. 360939
Jackman, C.H.
Yield spectra and the continuous-slowing-down approximation. 350632
Jackman, J.A.
Comparison of positron annihilation behaviour with lattice expansion in Ni, Fe and V at low temperatures. 368806
Temperature dependence of positron trapping in silver and nickel. 350718
Jackola, A.
Hydraulically supported absorber balls shutdown system for inherently safe LMFBR's. (CONF-761001 – P2) 363017
Jackson, B.V.
Open magnetic structures on the sun. 351042
Jackson, C.P.
Fixed and moving Regge poles in $\gamma\gamma$ scattering. 369431
Jackson, D.
Gulf digs in to tap a major uranium orebody. 373406
Rapid building program puts RMEC into production of U_3O_8 in Powder River basin. 378858
Jackson, D.D.
Chattanooga shale: uranium recovery by in situ processing. (UCID – 17479) 357199
Distribution of radioactivity between rock materials and water at Nevada test site. 370269
Evaluation of the LASL automated spectrophotometer for uranium determination at submilligram levels. (LA – 6867) 351442
Jackson, D.F.
A direct reaction model of peripheral heavy ion fragmentation. 361990
Nuclear sizes and structure. 354042
Jackson, D.J.
Magnetic field of Mercury. 351030
Jackson, D.P.
Modelling displacement correlations in computer simulations of particle-solid collisions. 371618
Surface structure studies of platinum crystal surfaces by ion backscattering and channeling. 368761
Jackson, F.
Material for shutting down gas cooled nuclear reactors. (UK patent document 1482750/A/) 352501
Jackson, F.I.
Abnormal localisation of gallium-67 citrate in pseudohypertrophic muscular dystrophy. 360369
Jackson, G.N.
Sputtering method and apparatus. (UK patent document 1484384/A/) 358882
Jackson, G.V.
The adsorption and decomposition of formaldehyde by tungsten. 354510
Jackson, H.
Study of pion-nucleus and proton-nucleus interactions through γ spectrometry and gamma-charged particles coincidence measurement. (LYCEN – 7702(pt.1)) 369472
Jackson, H.E.
π^--nucleus interactions for stopped and 45 MeV pions with ^{58} ^{60} ^{62}Ni. 359467
Direct and resonance photoneutron reactions of ^{17}O. (BNL-NCS – 22500) 356818, 378028
Distribution of M1 strength in ^{208}Pb. (ANL – 77-60) 378029
Energetic charged particle yields induced by pions on complex nuclei. 359494, 378009
Gamma rays from pion-induced reactions. (ANL – 77-60) 378008
High resolution study of the ^{208}Pb(γ,n/sub o/)^{207}Pb reaction. (BNL-NCS – 22500) 356786
Jackson, J.
Stability of high field superconducting dipole magnets. (BNL – 23211) 365734
Work-energy characterization for core-disruptive accidents. (CONF-761001 – P3) 365576
Jackson, J.C.
A quantisation of time. 363793
Jackson, J.F.
Disassembly energy release for mechanical damage evaluation. (LA-UR – 77-829) 352249
Influence of equation-of-state uncertainties on fuel vapor expansion work-energy calculations. 352197
Role of fission product in whole core accidents: research in the USA. (LA-UR – 77-1908) 357787
Jackson, J.L.
Proceedings of National Energy Forum. Volume I. 373818, 373828, 373839, 373855, 373858, 374424, 374435, 374504, 374506
Proceedings of National Energy Forum. Volume I. 373803
Jackson, K.L.
Acute and late damage in the mouse small intestine following multiple fractionations of neutrons or x-rays. 367495
Mouse testes as a biological test system for intercomparison of fast neutron therapy beams. 365384
Jackson, K.P.
Beta-delayed proton emission: a new series of precursors and the measurement of 10^{-16} s nuclear lifetimes. (AECL – 5560) 375180
Isospin mixing of the 5605 and 5668 keV states in ^{18}F in the light of a new state at 5603 keV. 354149
Search for a 0^+ level near the 8.87 MeV, 2^- level of ^{16}O. 354237
Tsub(z)=1/2 β-delayed proton precursors. I. 354232
Jackson, M.L.
Exchange of lyotropic series cations by micaceous vermiculite and its weathering products determined by electron microscopy and radiochemical analysis. Progress report, August 1, 1974 – October 31, 1977. (COO – 1515-79) 365023
Oxygen isotopic ratios in quartz as an indicator of provenance of dust. (COO – 1515-78) 364878
Jackson, M.R.
Composites of γ + TaC in the Ni – Ta – C ternary system. 357362
Conference on in situ composites. II. 349433
Jackson, M.S.
Isotope effect for diffusion of tin in beta-titanium. 362417
Jackson, P.J.
The precipitation of point defects near grown-in dislocations during neutron irradiation. 370168
Jackson, P.O.
Measurements of radon concentrations in the lunar atmosphere. (N – 77-22035) 366673
Jackson, R.J.
Bundle-duct clearance of HEDL mixed oxide subassemblies. (HEDL-SA – 897) 368206
Elastic, plastic, and strength properties of U – Nb and U – Nb – Zr alloys. 373210
Jackson, R.R.
Purex process operation and performance, 1970 Thoria Campaign. (ARH – 2127) 351694
Jackson, S.
Plutonium in bone: high resolution autoradiographic study using plutonium-241. 352071
Jackson, T.A.
Stable carbon isotope ratios and chemical properties of kerogen and extractable organic matter in pre-Phanerozoic and Phanerozoic sediments – their interrelations and possible paleobiological significance. 378859
Jackson, T.L.
Color confinement. 364481
Jackson, W.A.
Nitrate absorption and strontium accumulation. Final report, 1 August 1973 – 31 December 1976. (ORO – 2410-41) 352151
Jacmart, J.C.
Structure in the energy spectra from inelastic heavy-ion reactions. 366976
Jacmart, J.P.
Proposal for Ganil of a magnetic spectrometer for mass and energy measurements of reaction products of A > or approximately equal to 50. (IPNO-PhN – 77-11) 361036
Jacob, Daniel
An image scanning device using radiating energy. 355103
Jacob, I.
Studies of nuclear levels around 7.4 MeV using a high resolution γ-monochromator. 362071
Jacob, K.T.
Vapor pressure and dissociation energy of (In_2O). 362220
Jacob, M.
Structure of large psub(T) events. 353974
Jacobi, S.
Release and detection of fission products from defective fuel pins.

355332
Jacobs, D.C.
Materials properties utilization in a cumulative mechanical damage function for LMFBR fuel pin failure analysis. 360978
Jacobs, D.G.
Health physics aspects of fusion power. (ORNL – 5171) 367565
Jacobs, E.
Study of the fission products of ^{235} ^{238}U by irradiation with 25 MeV bremsstrahlung. 356903
Jacobs, G.P.
The γ-irradiation of four semi-synthetic penicillins. (INIS-mf – 4052) 373766
Jacobs, H.
Computational analysis of fuel – sodium interactions with an improved method. (CONF-761001 – P3) 365563
Current status of experimental and theoretical work on sodium/fuel interaction (SFI) at Karlsruhe 'simulation experiments'. (PNC-N – 251-76-12(vol.1)) 349890
Jacobs, I.M.
Defect analysis program applied to nuclear plant pressure component experience data. (GEFR-SP – 051) 379229
Jacobs, J.W.
Trace element distribution in mineral separates of the Allende inclusions and their genetic implications. 354668
A well-tested procedure for instrumental neutron activation analysis of silicate rocks and minerals. 375284
Jacobs, M.
Diffraction undulations in the differential cross sections of H_2-Kr calculated for an anisotropic potential. 355884
Jacobs, R.B.
Superconducting magnet development for tokamaks and mirrors: a technical assessment. (DOE/ET – 0016) 377466
Jacobs, R.R.
Optical gain at 1.06 μm in the neodymium chloride-aluminum chloride vapor complex. 368960
Jacobs, R.T.
Remote maintenance equipment for the new waste calcining facility. 352858
Jacobs, S.
Lepton detector workshop summary. (BNL – 50611) 357967
Jacobs, S.B.
Two-dimensional coastal storm surge model. 362885
Jacobs, W.W.
Absolute C K x-ray production cross sections for 18 – 26-MeV protons on thin carbon foils. 350577
Jacobsen, S.E.
Optimal improvement of graphs related to nuclear safeguards problems. (SAND – 76-0435) 374498
Jacobson, A.J.
A neutron diffraction determination of the structures of $Ba_2Sbsup(V)Bisup(III)O_6$ and $Ba_2Bisup(V)Bisup(III)O_6$. 371693
Jacobson, A.R.
Design for coordinated measurements of Faraday rotation and line-of-sight electron density using heterodyne techniques. (LA – 6875-MS) 356120
Jacobson, A.S.
A search for the reported 400-keV γ-ray line from Crab Nebula. 356279
Jacobson, B.
The reaction of hypoxic cell radiosensitizing drugs with vitamin C. 360281
Jacobsson, A.
Deposition of high-level radioactive waste products in bore-holes with buffer substance. (KBS-TR – 03) 366095
A short review of the formation, stability, and cementing properties of natural zeolites. (KBS-TR – 27) 366096
Jacoby, B.
Absorption, retention and translocation of the systemic fungicide triarimol in plants. 379164
Jacoby, H.D.
Uranium dependence and the proliferation problem. 352921
Jacoby, M.S.
Effects of intact loop hydraulic resistance of PWR LOCA behavior in scaled experimental facilities. (TREE-NUREG – 1165) 373830
Jacques, P.F.
On-line display aids for the automated measuring of bubble chamber film at Fermilab energies. 352816
Jacques, S.A.
Momentum and energy transport by waves in the solar atmosphere and solar wind. 359104
Jacquesy, R.
Analysis and role of bitumens in acid sandy soils. 357658
Jacquet, F.
Charged current differential distributions in the Caltech-Fermilab γ-experiment. 353931
A measurement of the neutral current coupling in neutrino inclusive reactions. 353932
Jacquin, F.
Blocking of s-triazine molecules by organic matter. 357669
Determination of the characteristics and transformations in a mull medium of a humic model derived from auto-oxidation of the catechol-glycine system and selectively labelled with carbon-14. 357656
Jacquinot, J.
Mode conversion of the fast magnetosonic wave in a deuterium-hydrogen tokamak plasma. 350876
Jacson, M.
Production and testing of tubes for nuclear boiler steam generators. 355392
Jadach, S.
On the universality of quark jet fragmentation. 353788
Overlap function from the multiperipherol model. 353836
Jaduszliwer, B.
Total electron scattering cross sections by excited sodium atoms. 358762
Jaeckel, G.
Published patent applications and patents from the promoted R + D area. (BMFT-FB-T – 77-19) 355684
Jaeckel, H.
On sawtooth oscillations and MHD modes in the W VII A stellarator. (INIS-mf – 3963) 371780
Jaeckle, R.
Pion-nucleus bremsstrahlung. (INIS-mf – 4151) 366940
Jaeckli, H.
Disposal of radioactive wastes in geological formations. 355651
Jaeger, E.
Subcommission of geochronology: convention on the use of decay constants in geo-and cosmochronology. 373425
Jaeger, E.F.
A simple neoclassical point model for transport and scaling in EBT. 348923
Jaeger, F.
Investigations for simplifying burn-up calculations. (IKE – 6-108) 376416
Jaeger, H.
Safety and process instrumentation – layout. 376465
Jaeger, H.U.
The distribution of 1s-hole strength in light nuclei. (ZfK – 336) 366941
Evidence for the non-Lorentzian shape of x-ray spectra. 368648
The $1h\omega/2\pi$ spectra of nuclei with a nearly half-filled 1p shell. 361991
Jaeger, R.E.
Effect of ionizing radiation on the optical attenuation in polymer-clad silica fiber-optic waveguides. 370156
Jaeger, T.A.
Transactions of the 3rd International conference on structural mechanics in reactor technology. London, UK, 1-5 September 1975. (INIS-mf – 3847) 358050, 358082
Jaeger, W.
Coal gasification. (German (F.R.) patent document 2553506/A/) 376542
Layout and arrangement of a PNP prototype plant. 370957
Jaek, W.
DAtF-KTG-Reactor Meeting 1977 in Mannheim. 355362
Problems in district heat supply from a boiling water reactor in a relatively sparsely populated area using the example of the KRB Gundremmingen Nuclear Power Plant. 376487
Jaekel, C.E.
Synchrotron radiation and galactic field configurations. 369114
Jaenicke, R.
On sawtooth oscillations and MHD modes in the W VII A stellarator. (INIS-mf – 3963) 371780
Jaentsch, O.
Image intensifier gamma camera with a position-sensitive silicon strip detector. 355521
Jaerschky, R.
Operational proof of automation. 365846
Jaeschke, E.
Application of a spiral resonator for bunching picosecond heavy-ion pulses. 363263
Heidelberg 3MV c-w heavy ion postaccelerator section using independently phased spiral resonators. 363266
Operation experiences with the test section of a superconducting heavy ion post accelerator. 363252
Jaffe, A.
Instantons in a U(1) lattice gauge theory: A Coulomb dipole gas. 374561
Jaffe, E.K.
Application of a superconducting susceptometer to biological samples. 367924
Jaffe, R.L.
Baryon excitations in the bag model. (SLAC-PUB – 1774) 377741
Comment on the relation between the nonadiabatic coupling and the complex intersection of potential energy curves. 353272
Jaffe, W.
Clusters of galaxies and radio sources. 366708
Jaffey, A.H.
Half lives of plutonium isotopes. (BNL-NCS – 22500) 356790
Half-life of ^{239}Pu by two independent methods. 351375
Jaffrezic, H.
Trace element geochemistry of magmatic rock series of converging and diverging plate boundaries. 375375
Trace elements archeochemistry in different sigillated potteries, using neutron activation analysis. 372880
Trace elements determination in rocks powder. 372877
Jafri, R.H.
Cytological lesions in the midgut of Tribolium confusum larvae exposed to gamma radiation. 362668
Jagadishan, P.
Consideration in the design and fabrication of nuclear heat exchangers. 374232
Jagelma, S.
The effect of irradiation on demyelination induced by a virulent Semliki Forest virus. 367486
Jager, C. de
Improved values for the solar micro- and macro-turbulent filter functions. 366709

Jager, C.de
Origin and life of stars. 353687
Jager, C.W. de
A scale model (1:10) of the two-spectrometer arrangement (QDD and QDQ) under construction. (INIS-mf – 4267) 379863
Transverse electron scattering from ^{39}K. (INIS-mf – 3946) 349139
Jager, E.H.
Application and verification of the TNT safety characteristic method by the example of the control gas storage container of the UENTROP 300 MW THTR nuclear power plant. 370966
Jager, W.
Nuclear merchant ship propulsion. 366002
Nuclear ships: engineering a future transport system. 379849
Sensitivity of power generation costs in nuclear power plants and coal-fired power plants. 371232
Uranium content and exploitability of Black Sea sediments. 370257
Jagher, P. de
The influence of heavy gas endplugs on the energy confinement time. (INIS-mf – 3963) 374822
Jagher, P.C. de
The energy loss of a relativistic electron beam measured by means of a scintillator and a photodiode. (INIS-mf – 3963) 371908
Relativistic electron beam scattering due to beam-plasma interaction. (INIS-mf – 3963) 371880
Jagielak, J.
Environmental studies of the earth gamma radiation background at one of the planned sites of the first Polish nuclear power station. 354658
Jagodic, V.
Extraction and complex formation of cerium(III) and praseodymium(III) with monoesters of phosphonic acids. 359681
Jagtiani, S.K.
Transfer RNA methylases in rat placenta. 367629
Jahagirdar, D.V.
Mixed ligand chelates of UO_2^{2+} and VO^{2+} with catechol as primary ligand and succinic, adipic itaconic, phthalic, 3,5-dinitrosalicylic and 5-sulphosalicylic acids as secondary ligands. 349210
Jahn, M.
Investigation of the metabolism of ^{125}I orthohippuric acid (sodium salt) in rats. (STH – 12/77) 357676
Jahn, W.
Thermodynamic correlations for the accident analysis of HTR's. (Juel – 1362) 355434
Jahnke, A.
Munich heavy ion post accelerator. 363308
Jahns, G.L.
Internal disruptions in tokamaks. 374826
Interpretation of tokamak sawtooth oscillations. 374866
Observation of tokamak plasmas with an array of pin diode detectors. (CONF-770434 – 6) 350877
Relation of neutral beam injection to impurity behavior and extension of plasma parameters in ORMAK. (INIS-mf – 3963) 371934
Jahns, J.
A basis for applying hypoxic hypoxia for optimizing radiotherapy. Information based on animal tests. 379032
Jahoda, F.C.
Automated computer analysis of plasma-streak traces from SCYLLAC. (LA-UR – 77-2582) 377568
Jain, A.
Resistivity, its temperature coefficient and thermoelectric power of liquid rare earths (La, Ce, Eu, Gd, Yb) using t matrix. 370074
Jain, A.K.
Correlation between gaps in the single-particle level scheme and the backbending feature for deformed nuclei. 369432
Studies with inorganic ion exchange membranes – a membrane selective to strontium ion. 367088
Jain, A.R.
Equatorial enhancement of SSC amplitudes. 354710
Jain, B.K.
Effect of alloying elements in plain carbon steels. 371619
Management of highly active decladding Zircaloy solid wastes from a fuel reprocessing plant. 358468
Moessbauer studies of natural goethite and bog iron ore. 371680
Pion-induced knock-out reactions. (INIS-mf – 4139) 372625
Jain, D.K.
Diffraction of medium energy electrons by hydrogen molecule. 355885
Jain, H.C.
Determination of magnesium at trace levels by isotope dilution. 364837
Lead tracer technique for the accountability of plutonium (LEADTRAP). (BARC – 904) 376848
Preparation and use of a plutonium nitrate solution working standard. (BARC – 919) 372936
Jain, I.P.
The influence of gas adsorption on electrical resistance of thin films of tellurium. 366426
Jain, P.C.
Positron annihilation and ferroelectricity in triglycine sulphate. 364043
Positron annihilation in triglycine sulphate. 366427
Jain, P.K.
Diphenic acid as a selective reagent for the amperometric determination of thorium(IV). 367054
Potentiometric estimation of potassium octacyano-molybdate(IV). 349169
Jain, R.
Moessbauer effect study of iron-implanted copper alloys. 374723, 374746
Jain, R.K.
New lines in the L-spectrum of neodymium-60. 358827
Jain, R.R.
Positron annihilation in triglycine sulphate. 366427
Jain, S.K.
Radiotracer investigations in oil production and water injection wells. 370702
Jain, V.K.
EPR of VO^{2+} in $ZnCs_2(SO_4)_2 \times 6H_2O$ single crystals. 355998
EXCALIBUR – A multigroup code for the solution of the slowing-down transport equation in heterogeneous fast neutron media. (CEA-N – 1995) 359353
Optimization of cancer therapy : Part I – Inhibition of repair of X-ray induced potentially lethal damage by 2-deoxy-D-glucose in Ehrlich-Ascites tumour cells. 367522
Optimization of cancer therapy : Part II – Effects of combining 2-deoxy-D-glucose treatment with gamma-irradiation on sarcoma-180. 367523
Thermoluminescence mechanisms in lithium fluoride. 365236
Thermoluminescence response of LiF to gamma rays. 366023
Jain, Y.S.
EPR of Gd^{3+} in $HoCl_3.6H_2O$ single crystal. 366438
Jairath, D.
Symmetry coefficient isospin-spin dependence of the single-particle potential, compressibility and rearrangement energy. 377903
Jaishankar, S.
Civil nuclear power : technological and socio-political risks. 376850
Jaisingh, G.
Flow model test development of CRBRP intermediate heat exchanger. 374235
Jakab, J.
Physics and engineering characteristics of a LMFBR in long-term operation. 371032
Jakeman, D.
A review of the meetings of the working group on the comparison of calculation models. (PNC-N – 251-76-12(vol.2)) 349894
Jakes, D.
Method of removing oxygen from molten metals in nuclear technology. (Czechoslovak patent document 158060/B/) 371028
Jakes, J.
Calibration light sources for scintillation techniques. 371123
Jakh"jaev, R.Sh.
Dynamic symmetry and analysis of high energetic data on elementary particles. 353759
Jakimow, G.
Charmed-baryon electromagnetic mass differences. 364517
Jaklevic, J.M.
Automated elemental analysis using energy dispersive x-ray fluorescence analysis. (LBL – 7211) 379257
Jakli, G.
Vapour pressure of $H_2{}^{18}O$ ice (-50 to 0°C) and $H_2{}^{18}O$ water (0 to 170°C). 357024
Jakob, W.R.O.
Geochemimal aspects of the megacryst suite from the Monastery Kimberlite pipe. (PER – 20) 362576
Jakobdson, M.J.
Total pion cross section measurements. Annual progress report, January 1, 1976 – December 31, 1976. (RLO/2232/T1 – 5) 369489
Jakobeit, W.
Effects of reactor-specifically contaminated helium on the creep behaviour of high-temperature alloys for turbine blades. 369964
Jakobi, S.
Failed fuel detection systems at the KNK nuclear power station. (IWGFR – 7) 360979
Jakobson, M.J.
Total pion cross section measurements. Annual progress report, January 1, 1975 – December 31, 1975. (RLO – 2232-T1-4) 377898
Jakobsson, B.
Corrections for target absorption of charged particles in wire loaded nuclear emulsions. (LUIP – 7709) 356791
A search for collective pion production in 2 GeV/Nucleon heavy ion reactions. (LUIP – 7708) 354711
Transverse-momentum distributions of multiply charged fragments in ^{16}O emulsion-nucleus interactions at 2.0 GeV/nucleon. 354214
Jakovlev, G.G.
Methods for safety assessment of the power plant units of the NORDEL group. 376483
Jakubassa, D.H.
delta rays from K-shell ionization induced by heavy ions. 358768
Jakubczyk, G.M.
RSPLOT, A program group for evaluation of the data past temperatures and stress values of the "Prestressed Concrete Pressure Vessel-High Temperature Helium Test Rig". (SGAE – 2725) 367929
Jakubick, A.
Migration of longlived transuranium isotopes (i.e. Pu-239, Am-241) in the soil and geological formations. (KFK – 2435) 357472
Jakubick, V.
The effect of carbohydrates and lipids on the radiation-induced aggregation of proteins. 375679
Jakubowicz, H.
Electron-photon angular correlations and threshold polarization in electron-molecule scattering. 353273
Jakubowski, F.M.
Plutonium distribution in the environs of the Nevada Test Site: status report. (NVO – 171) 378828
Jakupi, B.
Long-term averaged abundances of VVH cosmic ray nuclei from studies of olivines from Marjalahti meteorite. 374946

Jakusch, H.
Method for reception of radioactive wastes in embedding materials. (Austrian patent document 325165/A/) 374412
Sedimentation technique of waste bituminization and thermogravimetric characteristics of the final products. 358508
Jal, J.F.
Fundamental analysis of defects induced by energetic ions implantation in AgCl. 358875
A high-temperature furnace for small-angle neutron scattering. 350360
Jalani, B.S.
Effects of gamma irradiation on morphological changes and disease resistance of winged bean (Psophocarpus tetragonolobus). 373747
Jallade, M.
Characteristics and behaviour of the fuel in the Phenix reactor. 368201
Jalufka, N.W.
Uranium plasma emission at gas-core reaction conditions. (CONF-760646 –) 374147
Jamankyzov, N.K.
Effects of dynamical interaction in dissociation of fast molecules in thin foils. (INIS-mf – 3995) 377207
Jambu, P.
Analysis and role of bitumens in acid sandy soils. 357658
Jamerson, C.D.
Microprocessor assisted ESR measurements of radical concentrations in polymers. 365054
James, A.C.
Clearance of lead-212 ions from rabbit bronchial epithelium to blood. 349782
James, A.E.
Liquor dynamics investigations in cases of communicating hydrocephalus by means of autoradiography and computerized tomography. (AED-Conf – 77-395-005) 376195
James, A.N.
Knockout reaction study with a polarized proton beam. 372780
James, B.D.
Hydrogen – deuterium exchange between MBH_4 and MBD_4 (M = Li, Na). Isotope effects on the ^1H and ^{11}B NMR spectra of the BH/sub n/D/sub 4-n/ anions and a discussion of exchange reactions in some covalent tetrahydroborate systems. 367129
James, C.R.
A plasma-laser amplifier in the 11-16 μm wavelength range. 348944
James, G.D.
Intermediate structure studies of ^{234}U cross sections. (INIS-mf – 3896) 356792
Precise energy determination for three peak cross-sections in ^{23}Na and ^{27}Al and for the 250 keV resonance in ^6Li. (INIS-mf – 3897) 354216
Total cross-section measurements on Fe, Ni and Ti from 10 keV to 1 MeV. (INIS-mf – 3897) 354215
James, G.S.
Multiple particle type interaction isotopically selective ionization. 363058
James, H.
Radionecrosis of the brain presenting as a mass lesion: a case report. 365405
James, H.E.
Chemistry in the extraction of nuclear raw materials from ores. (INIS-mf – 4203) 375988
James, H.M.
Prompt gamma neutron activation analysis to measure whole body nitrogen absolutely. 369534
James, L.A.
Fatigue crack propagation in neutron-irradiated ferritic pressure-vessel steels. 365862
Fatigue-crack propagation behaviour of Inconel 600. 365157
Respiratory disease mortality among uranium miners as related to height, radiation, smoking, and latent period. (HRP – 0006691) 379321
Small sodium-to-gas leak behavior in relation to LMFBR leak detection system design. (CONF-760503 – P2) 352758
Some observations regarding specimen size criteria for fatigue-crack growth rate testing. (HEDL-TME – 77-87) 373211
James, M.F.
Heat deposition in a region of a nuclear reactor. (AEEW-M – 1433) 376305
James, P.W.
Status of the Chalk River superconducting heavy-ion cyclotron. 363309
James, R.A.
Galactic models with variable spiral structure. 372194
James, R.B.
Radionuclide bone imaging in the surgical treatment planning of odontogenic keratocysts. 352113
Jameson, R.A.
LAMPF 201.25-MHz linac field distribution. (LA – 6919) 379502
Jameson, R.F.
Infrared light curves of AM Herculis. 369115
Near-infrared polarization of the nucleus of M31. 374921
Jamieson, M.J.
A note on the generalisation of Aitken's delta² transformation. 374621
Jamil, M.
The development and use of solid-state nuclear track detectors (SSNTDs) for reactor physics experiments. 376709
Jaminet, J.F.
Circulation system for flowing uranium hexafluoride cavity reactor experiments. (CONF-760646 –) 374117
Jammet, H.
Problems raised by applying the recommendations of the International Commission on Radiological Protection. 367808
Jamnik, D.
Status of MUSL-2: the second microtron using a superconducting linac. 363147
Jamsek, J.
Acceleration and stacking of deuterons in the CERN PS and ISR. 363144
Jan, R. von
Irradiation experiments with boiling water reactor fuel rods in the Forschungsreaktor 2 at Juelich. (BMFT-FB-K – 77-17) 376488
Jan, Y.M.
Exact numerical solution of the Schroedinger equation with the Lennard – Jones potential. (ANL – 76-88(Pt.1)) 361395
Janardhan, P.B.
Chromatographic separation of Te(IV) and Te(VI). 367133
Janardhanan, S.
Operating experience and radiation protection problems in the working of the radio-metallurgy hot cell facilities at BARC. (INIS-mf – 4159) 376216
Janas, R.
Simplified standardized calculation of dose distribution for ^{60}Co pendulum irradiation of esophageal carcinoma. 373935
Janata, F.
Determination of the longitudinal and the transverse part in π^+-electroproduction. (DESY – 77/64) 366892
Electroproduction of neutral pions and test of the quark-parton model. 356394
Inclusive spectra of electroproduced K^+-mesons. (DESY – 77/49) 364578
Janberg
Super-Phenix: status of the Creys-Malville plant. 379738
Jancik, O.
Gamma spektrometry of nuclear power plant coolant. (INIS-mf – 4143) 374336
Jancso, G.
^{13}C and sup(33,34)S isotope effects on the vapor pressure of liquid carbon disulfide. 364962
Janczur, W.
Multiwire proportional chambers with a small sensitive area. (INP – 864/PH) 374312
Janda, R.S.
Production of fast ions in laser-heated plasmas. 348892
Jandl, S.
Raman spectrum of crystalline InSe. 364044
Janes, G.S.
Increased ionization rate in laser enrichment. (US patent document 4,023,038/A/) 351496
Research and development prospects for the atomic uranium laser isotope separation process. Research report 442. (CONF-761109 – 13) 357854
Suppression of unwanted lasing in laser isotope separation. 363061
Janetzky, E.
Preventive and protective fire protection measures during the construction and installation of power plants. (AED-Conf – 77-304-000) 357788
Janev, R.K.
Charge exchange of multiply charged ions in slow collisions with atoms. 358751
Jang, S.
Shape mixing of A = 27 nuclei. (ISN – 77-19) 359383
Some insight in the structure of light nuclei from te study of electromagnetic properties calculated with the generator coordinate method. (ZfK – 336) 364701
Janicj, J.
Absorption spectra of organic compounds and their cancerogenic activity. 372570
Janicki, J.
The preparation of radiophotoluminescent dosimeter for X and gamma dose measurements. 355599
Janiczek, J.
Betatron activation analysis of cupriferous flotation pulp. 355104
Janik, J.A.
Dielectric relaxation in the isotropic, nematic and solid phases of p-azoxyanisole in the radio and microwave frequency range. 371702
Janke, D.
Thermal behaviour of partly stabilized zirconium oxide. 357363
Jankovicj, O.
Sorption of Cs on natural and modified bentonite. 369644
Jankowicz, Z.
Optimum selection of filters and scintillators for absorption measurements of plasma electron temperature. 374827
Jankowska, M.
The extraction of uranyl nitrate and chloride in octaethyltetraamidopyrophosphate (OETAPP)-HCl, HNO_3 systems. (INP – 906/C) 375638
Preparation method of standard plastic scintillators on the base of polystyrene with improved light output. (INR – 1588/15A/D/B) 376636
Jankowski, B.
The Moessbauer effect spectrometer with integrated circuits. 355616
Jankowski, J.
Method of measurement of the effective energy of X-rays in diagnostic X-rays departments. 355038
Jankowski, L.
Use of magnetic tape services in the field of scientific and

technical information. (ZfI-Mitt – 7) 374489
Jankus, V.Z.
Development of a finite-strain fuel-element model. (CONF-770807 – 41) 365978
Progress in modeling carbide and nitride fuel performance in advanced LMFBRs. 379733
Jannelli, S.
Angular correlation in the $^{7}Li+^{3}He \rightarrow 2\alpha+d$ reaction at $E_{3}He=4.7$ MeV. 356733
Competition between ^{5}Li and ^{8}Be formation in the $^{6}Li(^{3}He, \alpha\alpha p)$ reaction at Esub(^{3}He) = 2.5 MeV. 364736
Janner, A.
Group theoretical methods in physics. Fourth international colloquium, Nijmegen 1975. 353036, 353082, 353093, 353157, 353773, 353791, 353813, 353825, 363822
Jannitti, E.
Line broadening and self-absorption of Be IV in a laser-produced plasma. 364257
Jannussis, A.
On the equations of motion. 363794
Janossy, A.G.S.
X-ray microanalytical study of Mn and Fe compartmentation in maize chloroplasts. 349170
Janot, C.
Electric field gradient in pure hexagonal transition metals. 356037
Janout, Z.
Exploitation of radioactive oriented nuclei in physical experiments. 354184
Janow, R.H.
Theory of angle resolved electron stimulated desorption and photodesorption. Ion angular distributions for desorption of 0^{+} from the (111) and (100) surfaces of tungsten. 362537
Jansen, D.
Two-phase model of rotating nuclei. (ZfK – 336) 364693
Jansen, G.
^{241}Am, ^{237}Np, and ^{99}Tc sorption on two United States subsoils from differing weathering intensity areas. 360162
Use of an evaluation device for rod dosimeters in the process computer-aided personnel dosimetry monitoring at the Philippsburg nuclear power station. 355032
Jansen, G. Jr.
Borehole sealing method and apparatus. (US patent document 4,024,916/A/) 358519
Jansen, J.F.W.
Absolute cross sections determination for $^{160}Gd(\alpha,xn)$ reactions. (ZfK – 336) 364756
Isomeric states in ^{152}Dy. (INIS-mf – 4267) 378010
Positive- and negative-parity yrast bands in the transitional nucleide ^{150}Sm and the interacting boson approximation. 367007
Recoil-distance lifetime measurements of levels in ^{154}Dy and ^{155}Dy. (INIS-mf – 4267) 378033
Jansen, P.
Further studies of the spur processes of positronium formation in mixtures of organic liquids. 357154
Jansen, R.H.J.
Total cross sections for electron scattering by He. 366330
Jansen, V.
Treatment of hypoplastic anemia in mice with placental transplants. 379011
Jansen, W.
Forward photoproduction of neutral pions on polarized protons in the third resonance region. 366890
Forward photoproduction of neutral pions on protons in the third resonance region. 353971, 364582
Jansholt, A.L.
Present and future applications of iodine-123. 354835
Scintigraphy of the biliary system using ^{99}Tcsup(m)-pyridoxylideneglutamate (PG). 354961
Jansing, W.
Sealing of rotatable closures at nuclear reactors. (German (F.R.) patent document 1921377/B/) 355466
Testing of components of the heat transfer systems of sodium-cooled fast breeders in a large-scale test facility. 371038
Janson, M.M.
Spontaneous symmetry breaking in the interior of a neutron star. 353688
Study of spontaneously broken conformal symmetry in curved space-times. (COO – 3285-33) 361815
Janson, S.
Safety and process instrumentation – concept. 376456
Janssen, A.J.
Adjusted neutron spectra of STEK cores for reactivity calculations. (ECN – 35) 376407
Integral determination of fission product neutron capture cross sections for application in fast reactors. (ECN – 27) 358035
Janssen, D.
Microstructure of excited nuclear states in the vicinity of an yrast line. 377921
Microstructure of excited nuclear states in vicinity of yrast line. (ZfK – 336) 364704
Janssen, L.G.J.
Elastic-plastic analyses of round hour-glass shaped creep-fatigue interaction specimens under tension in comparison with experimental results. (IWGFR – 11) 355224
Janssen, P.A.M.
Non-linear theory of the 9 times b instability. (INIS-mf – 4267) 377444
Janssen, T.
Group theoretical methods in physics. Fourth international colloquium, Nijmegen 1975. 353036, 353082, 353093, 353157, 353773, 353791, 353813, 353825, 363822
Janssens, M.-J.
Further studies of trace elements in C3 chondrites. 364920
Meteorite material at five large impact craters. 376009
Janssens, R.
Multipolarities of prompt transitions in ^{156}Dy and spin-parities of the upper band levels. 356716
Jansson, E.
Practical experience and problems in the inspection work during construction of nuclear power plants. (INIS-mf – 3971) 380106
Janu, M.
Radionuclide methods in semiconductor technology. I. 379423
Janyszek, H.
Modification of the quantum-mechanical equations for the system of charged Dirac particles by including additional tensor terms of the Pauli type. Pt. 1. 353094
Janzer, H.
On the influence of precipitations on the hardness of hard materials. (KFK-EXT – 6/77-1) 351828
Jappe, J.
Application of residual sludge: effects on soil nitrogen and retention of Cd, Cr, Hg and Zn by ray grass. 357458
Jaramillo, R.L.
Effect of immunosuppression on the development of radiation-induced pulmonary disease in Syrian hamsters. (LF – 56) 362715
Jarboe, T.R.
Fast liner proposal. (LA – 6707-P) 361625
Jarczyck, L.
Elastic scattering and neutron transfer reactions with ^{9}Be. 378011
Jarczyk, L.
Elastic scattering of ^{9}Be on heavy target nuclei. 372702
Jardin, S.C.
Dynamical grid method for time dependent simulations of axisymmetric instabilities in tokamaks. (PPPL – 1359) 356121
Time integration of the ideal MHD equations in 2D Tokamak geometry. 361564
Jarecki, S.J.
Seismic qualification of the rotary relay for use in the Trojan and Diablo Canyon Auxiliary Safeguards Cabinets. (WCAP – 9194) 373862
Jared, R.C.
Transitional features observed in the charge and angular distributions of deeply inelastic fragments produced in the reactions $^{181}Ta+620$ MeV ^{86}Kr. 372722
Jarlborg, T.
Electronic structure and reentrant magnetism in superconducting $ErRh_4B_4$. 367254
Jarloborg, T.
Re-entrant magnetism in rare-earth superconducting ternary compounds. (CONF-770820 – 2) 373188
Jarlskog, C.
Implications of parity violation in atoms for gauge theories. 368526
Jarman, M.
Applications of deuterium labeling in studies of drug metabolism: metabolism of trideuteroaniline mustard. 351482
Jarmer, J.J.
Design and performance of an 8 cm thick intrinsic germanium detector telescope. 363559
Jarmie
$^{3}H(\alpha,^{6}Li)n$ reaction at zero degrees. (BNL-NCS – 22500) 356728
Accurate measurement of the proton – proton elastic scattering at 19.700 MeV. (BNL-NCS – 22500) 356793
Jarmie, N.
$^{3}H(\alpha,^{6}Li)$ n reaction at 0^{0}. 359465
Neutron source reaction cross sections. 351376
Jaros, J.
Preparation of metallic uranium reference sample. II. 378712
Jaros, J.A.
D meson production and decay in $e^{+}e^{-}$ annihilation at 4.03 and 4.41 GeV c.m. energy. 353989
Electron-muon and electron-hadron production in $e^{+}e^{-}$ collisions. 366879
K^{0} production in $e^{+}e^{-}$ annihilation. 353983
Properties of the proposed tau charged lepton. 356517
A search for neutral heavy leptons. 356514
Spin analysis of charmed mesons produced in $e^{+}e^{-}$ annihilation. 351228
Jaroszewicz, T.
A new approximate propagator in multiple scattering at medium energy. (INP – 861/PH) 371345
Jarriel, J.L.
Pulsed reactivity measurements of large ^{235}U – Al castings in H_2O. (DP-MS – 77-49) 379470
Jarritt, P.
Coronary care: the place of positive myocardial scintigraphy. (INIS-mf – 4010) 362810
Regional cerebral blood flow – a new non-invasive method. (INIS-mf – 4010) 362717
Jarsch, V.
Layout principle of the data processing system for nuclear safeguards at Karlsruhe nuclear research centre. 371300
Jarvela, G.L.
Early clearance of inhaled radiocobalt. 354867
Jary, J.
Evaluation of a coherent set of effective neutron cross-sections for $n+^{238}U$ from 3 keV and 20 MeV. (INIS-mf – 4043) 377899
Jarzabek-Chorzelska, M.
Antigenicity of DNA induces by photoaddition of 8-methoxypsoralen. 367464

Jarzmik, B.
A method of lithium concentration measurements in glass samples using the $^{7}Li(p,n)^{7}Be$ reaction. (INP – 889/PL) 371662, 378151
Jaschek, C.
Available stellar data in galactic polar areas. 369116
Bibliography on galactic structure in the direction of polar caps. 369083
Present status of spectral classification in the conventional wavelength range with emphasis upon early-type stars. 369117
Spectral classification of B and A stars from the line features of S2/68 spectra. 369050
Jaschek, H.
Control of PWR-type nuclear power plants. 358098
Jaschek, M.
Spectral classification of B and A stars from the line features of S2/68 spectra. 369050
Jaschinski, G.
Reactor facility with a liquid-cooled reactor. (German (F.R.) patent document 2606527/A/) 376516
Jasiak, J.
Automatic spark counting of fast neutron induced recoil particles in polymers. 368315
Jasicek, H.
A detailed analysis of the reaction $^{92}Zr(p, \alpha)^{89}Y$. 377891
Jasicki, Z.
Some technological problems of the magnetohydrodynamic generators. 372317
Jasielska, A.
Application of shell model with the modified surface delta interaction to ^{42}Ca and ^{42}Sc nuclei. (INP – 883/PL) 372626
Jaske, R.T.
NRC nuclear energy center study. 370613
Jaskola, M.
A scattering chamber with solid state counters for a magnetic spectrometer. 376652
A study of the single particle levels in deformed nuclei excited in the (d,p) and (d,t) reactions. Pt. 1. Theoretical consideration. Experimental procedure and results. 378012
Jaskolska, H.
Application of neutron activation analysis for the determination of implantation profiles of phosphorus in semiconductor grade silicon. 364879
Jasnow, D.
Renormalization-group proof of Josephson's relation and epsilon expansion for the helicity modulus (superfluid density). 359216
Jassby, D.L.
Compact high-field ignition test reactor (HFITR) using bitter magnets. 377375
Critical impurity concentrations for ignition of catalyzed-deuterium fusion plasmas. (PPPL – 1368) 361565
Optimization of plasma profiles for ignited low-beta toroidal plasmas utilizing advanced fuels. (EPRI-ER – 536-SR) 371904
SMARTOR: a small-aspect-ratio torus for demonstrating thermonuclear ignition. (PPPL – 1371) 371903
Jaswal, S.S.
A comment on 'Lattice dynamics of lithium hydride and lithium deuteride: effect of long-range three-body forces'. 371620
Jat, R.L.
Study of rooting pattern on wheat under different soil moisture regimes and nitrogen levels using ^{32}P injection technique. 352107
Jauch, R.
Application of the electroslag remelting process for the production of heavy turbine rotors. 359866
Jaudet, A.
Dynamical behavior of industrial structures made of reinforced concrete. 355145
Jaumotte, A.
Outlooks of nuclear power in Belgium. (INIS-mf – 3900) 355702
Jauncey, D.L.
Radio astronomy and cosmology. 366662, 366663, 366668, 366669, 366670, 366675, 366676, 366683, 366687, 366690, 366695, 366696, 366705, 366706, 366708, 366711, 366712, 366713, 366716, 366717, 366725, 366728, 366729, 366735, 366736, 366739, 366742, 366743, 366745, 366748, 366751, 366752, 366758, 366764, 366765, 366773, 366774, 366776, 366780
Jauneau, L.
Historical introduction from β radioactivity to the V-A hypothesis. (IN2P3 – 77-01) 369297
Introduction to current algebra. (IN2P3 – 77-01) 369296
Leptonic interactions. (IN2P3 – 77-01) 369295
Jauniaux, M.
Solvent extraction with thiothenoyltrifluoroacetone and fluorined β-diketones for the determination of metal traces in waters by atomic absorption spectroscopy. 356948
Jausel-Huesken, S.
Identification of a 3^{+} state in ^{16}O and evidence for a (1f sub(7/2) $1p^{-1}$ sub(1/2)) component in its wave function. 356794
Javadpour, N.
Total unilateral renal destruction caused by irradiation for Hodgkin's disease. 352046
Javan, A.
Gas laser. (German (F.R.) patent document 2365909/A/) 366342
Jaworowski, Z.
Population hazards associated with fossil fuel and nuclear power production. 354993
Jaworska, E.
Hemolytic properties of natural rubber obtained by γ-radioinduced crosslinking of latex. (INR – 1500/17/C/A) 375689
Jaworski, I.
Study of the oxidation behaviour of the TA6Zr5D (685) alloy at high temperature. 378297
Jaworski, R.L.
Operation of Fort Calhoun Station with a reduced complement of in-core detectors. 358217
Jawurek, H.H.
Latent heat transport and microlayer evaporation in nucleate boiling. (INIS-mf – 4147) 367905
Jay, P.C.
Energy, water and tritium budgets for Perch Lake: 1975. (AECL – 5717) 360180
Jayakumar, R.
Current distribution and internal resistance in a segmented Faraday MHD generator under non-ideal conditions. (INIS-mf – 4267) 377447
Directional rf probe for measurement of conductivity of flowing plasmas. 366568
Effects of lead wire position along resistive electrode on current distribution in Faraday-type MHD duct. 353723
Jayaram, B.S.
Interconnected grid operations – Tarapur's experience. 379639
Jayett, B.
The reaction anti pp→anti ΛΛ between 1.5 and 2.0 GeV/c. 377808
Jayson, G.G.
Pulse radiolysis study of protoferrihaem IX intercalated in sodium dodecyl sulphate micelles. 375682
Jean, Y.
Positronium reactions in micellar systems. 377044
Jean, Y.C.
Study of inclusion complex formation by positron annihilation techniques. 378298
Jeanmaire, Lucien
The metabolisme of tritiated water in the rat. (CEA-R – 4861) 354848
Jeanneret, J.B.
Experimental study of the double charge exchange reaction $\pi sup(+)+{}_{2}{}^{4}He \rightarrow \pi sup(-)+4p$ between 1.5 and 2.0GeV/c. 362063
The reaction antiproton-proton $\rightarrow 3\pi sup(-)\pi sup(+)$ between 1.09 and 1.44 GeV/c and the effect of ππ phase shifts. 369372
Jeannet, E.
Experimental study of the double charge exchange reaction $\pi sup(+)+{}_{2}{}^{4}He \rightarrow \pi sup(-)+4p$ between 1.5 and 2.0GeV/c. 362063
The reaction anti pp→anti ΛΛ between 1.5 and 2.0 GeV/c. 377808
The reaction antiproton-proton $\rightarrow 3\pi sup(-)\pi sup(+)$ between 1.09 and 1.44 GeV/c and the effect of ππ phase shifts. 369372
Jeannot, A.
Utilization and performance of sodium instrumentation during start-up and initial operation of PHENIX. (CONF-760503 – P2) 352768
Jeanpierre, F.
CEASEMT system of finite element computer programs – use for inelastic analysis in liquid metal cooled reactor components. (IWGFR – 11) 355225
Jeans, W.C.
Cladding relocation experiments. (CONF-761001 – P4) 362947
Jeantet, C.
Radioimmunoassay for tubulin detection. 362799
Jeavons, A.P.
A new position-sensitive detector for thermal and epithermal neutrons. 374332
Jech, J.J.
Guide to good practices at plutonium facilities. (BNWL – 2086) 362604
Jedinakova, V.
The extraction of hydrochloric acid and uranyl chloride from HCl and LiCl solutions by tri-n-decylphosphine oxide. 349335
Extraction separation of Eu, Gd and Yb from biological material by some tertiary and quarternary ammonium salts. (INIS-mf – 4143) 372999
The investigation of the extraction of mineral acids by benzenic solutions of tri-n-octyl amine by means of infrared spectra of deuterated systems. 349232
On the mechanism of zirconium sulfate extraction with amines. 349258
Solvent extraction of La(III) and Eu(III) by trilauryl methyl ammonium nitrate from nitrate media. (INIS-mf – 3849) 378452
Jedruch, J.
Physics of tritium breeding as a geometric programming problem. (WFPS-TME – 068) 377448
TFTR nuclear radiation analyses. (WFPS-TME – 022) 371837
Jedrzejczak, W.
Isotope investigation of the fluid flow in a continuous peritoneal dialysis in a rabbit. 367625
Jee, W.S.S.
^{239}Pu standards for quantitative neutron-induced autoradiography. (COO – 119-252) 373626
Preliminary report on the correlation of the rate of trabecular bone turnover and ^{239}Pu concentration on trabecular surfaces with the incidence of osteosarcoma at selected skeletal sites. (COO – 119-252) 373634
Quantitative histology of trabecular bone surfaces of young adult beagles. (COO – 119-252) 373610
Research in radiobiology. Annual report of work in progress in the internal irradiation program. (COO – 119-252) 373583, 373589, 373590, 373591, 373592, 373610, 373615, 373626, 373628, 373629, 373634
Jeffcoate, S.L.
Recent developments in steroid radioimmunoassays. 357693

Jefferson, R.M.
Crash testing of nuclear fuel shipping containers. (SAND - 77-1462C) 379469
United States experience in the transport of radioactive materials. 367952
Jeffery, J.V.
Regulatory inspection activities on nuclear power plant sites during construction in the United Kingdom. (INIS-mf - 3965) 374540
Jeffery, R.N.
Vacancy formation volume in indium from positron-annihilation measurements. 367240
Jeffries, J.B.
Dissociative recombination cross sections for NH_4^+. 358736
Jefimov, J.V.
The influence of fast quenching on phase transformations of alloys. 367221
Jegerlehner, F.
Construction of renormalized field theories from cutoff and lattice models. 358660
Jehenson, P.S.
Use of neutron radiography for quantitative measurements of sorbed hydrogen in getters and quality control of nuclear fuel pins. 376431
Jehle, H.
Topology of magnetic fields in particle physics, implications on the quark model. 356432
Jehle, J.
Right and left-ventricular function before and after aorto-coronary bypass surgery. (INIS-mf - 4010) 362823
Jehlicka
'Earthquake studies' on the Kahl superheated-steam reactor (HDR) (EV 4,000). 368104
Jehn, H.
Gases and carbon im metals (thermodynamics, kinetics, and properties). Pt. 2. 369965
Steady-state oxygen-solubility in niobium. 359687
Jelinek, C.F.
Radioactivity: radionuclides in foods. 378163
Jelinek, P.
Technology transfer experience in the nuclear fuel cycle. 352922
Jelley, N.A.
Gamma decay of the T=3/2 states in ^{23}Al. 356864
Improved light collection from fast atomic beams. 350361
Jellinek, S.D.
Public acceptance of nuclear power in the United States of America. Role of the National Environmental Policy Act. 371266
Jendrychowska-Bonamour, A.M.
'Molecular' products in the radiolysis of vinyl monomers. 357142
Jendrzejczyk, J.A.
Effect of tube-support interaction on the dynamic responses of heat exchanger tubes. (CONF-770807 - 51) 374266
Jenefsky, R.F.
Measurement of the differential cross section for $\pi^-p \rightarrow \pi^0 n$ around the $\Delta(1232)$ resonance and test of the charge independence principle. 362072
Jengo, J.A.
Significance of calcific valvular heart disease in /sup 99m/Tc pyrophosphate myocardial infarction scanning: radiographic, scintigraphic, and pathological correlation. 357642
Jenkin, F.P.
UK experience of planning the nuclear contribution to the UK power programme. 366125
Jenkin, G.T.
A neutron diffraction study of lanthanum magnesium nitrate $La_2Mg_3(NO_3)_{12}.24H_2O$. 361413
Jenkin, R.D.T.
Patterns of second malignant neoplasms in children. 373571
Jenkins, B.M.
Potential for nuclear terrorism. (P - 5876) 368478
Jenkins, C.E.
Technology, safety, and costs of decommissioning a reference nuclear fuel reprocessing plant. (NUREG - 0278(Vol.1)) 365113, 365114
Jenkins, C.J.
Relations between radio and optical properties of radio sources - radio astronomer's point of view. 366743
Jenkins, D.
Inelastic scattering of π^+ Mesons from nuclei at 50 MeV. 369493
Jenkins, D.A.
Two-photon decays of pionic carbon. 354252
Jenkins, D.D.
The structure of vapour-quenched Gd-Ag alloys containing between 0 and 16 at % silver. 378710
Jenkins, D.G.
Use of silicon linear photodiode arrays for detection of high-energy electrons. 374333
Jenkins, E.
Fruit of the atom. 370574
Jenkins, E.B.
A catalogue of 0.2 A resolution far-ultraviolet stellar spectra measured with Copernicus. 369200
O VI gas: circumstellar or interstellar. 369118
Observations of O VI. 356260
Jenkins, J.D.
Criticality considerations for ^{233}U fuels in an HTGR fuel refabrication facility. (ORNL/TM - 6136) 379328
Jenkins, J.H.
Evaluation of the factors involved in bioaccumulation of gamma-emmitting radionuclides in white-tailed deer (Odocoileus virginanus). Final report. (SRO - 642-6) 379134
Jenkins, J.S.
Metabolism of [^{14}C] testosterone by human foetal and brain tissue. 357615
Jenkins, L.H.
Sputtering of niobium by energetic neutrons and protons: A round-robin experiment. 350569
Jenkins, T.M.
An intercomparison of dosimetry techniques in radiation fields at two high-energy accelerators. 370655
Jenkins, T.R.
Preparation method of tungsten carbide. (German (F.R.) patent document 2019399/B/) 351830
Jenkovszky, L.L.
Generalization of Regge-behaved DAMA to production processes. 353837
Statistical approach and duality. 353095
Jenks, G.H.
Maximum acceptable temperatures of wastes and containers during retrievable geologic storage. (Y/OWI/TM - 42) 366097
Jenks, I.H.
Report on international conference on singlet oxygen and related species in chemistry and biology. 362283
Jennekens, J.H.
Regulatory control of radioactivity and nuclear fuel cycle in Canada. (AECL - 5708) 360487
Regulatory control of radioactivity and of the nuclear fuel cycle in Canada. 370559
Jennekens, J.H.F.
The role of the Atomic Energy Control Board. 363710
Jennert, D.
Investigation of the high temperature steam oxidation of zircaloy 4 cladding tubes. (KFK - 2435) 357299
Jenni, P.
Anti pp and pp forward elastic scattering between 4 and 10 GeV/c. 356513
Jennings, A.S.
Plan for solidification of Savannah River Plant high-level waste. (DP-MS - 77-23) 363645
Jennings, C.D.
Vertical distribution of ^{55}Fe in the ocean. (RLO - 2231-T1-9) 351958
Jennings, W.C.
Space potential measurements on EBT. (INIS-mf - 3963) 377425
Jennison, D.R.
Significant differences between Hartree-Fock and local-exchange energy bands for TiO. 351831
Jenny, B.
Comparison of the mirror reactions ^{2}H(d,p)^{3}H and ^{2}H(d,n)^{3}He. 378021
Investigation of possible Asub(yy)=1 points in ^{6}Li(d,α)^{4}He and other deuteron induced reactions. 378052
Investigation of the 1^+ resonance in ^{6}Li by d-α scattering between 6 and 7 MeV. 354202
Phase analysis of ^{3}He(d,d)^{3}He scattering. 378013
Shell closure effects in the elastic scattering of polarized deuterons. 378039
A study of the 1^+ resonance in ^{6}Li via ^{4}He(d,d) scattering from 6-7 MeV. 377999
Tensor potentials in the optical model for elastic scattering of polarized deuterons by medium heavy nuclei. 377869
Jenquin, U.P.
Evaluations of fusion-fission (hybrid) concepts: transmutation of high-level actinide waste in hybrids. Part B. (EPRI-ER - 469(Pt.B)) 358962
Jensen, A.S.
Forces between heavy nuclei in the independent-particle model. 354074
Lifetime and fission-probability estimates. 356603
Jensen, B.
Shock-tube study of fusion plasma-wall interactions. (COO - 2456-47) 361550
Jensen, C.L.
Electromigration of hydrogen and deuterium in vanadium, niobium, and tantalum. (IS-T - 778) 378649
Jensen, C.M.
Measurements of surface radon fluxes from uranium mill tailings. 349897
Jensen, D.D.
Postirradiation examination and evaluation of Peach Bottom fuel test element FTE-6. (GA-A - 13943) 374230
Postirradiation examination of Peach Bottom fuel test element FTE-4. (GA-A - 13452) 365957
Release of metallic fission products from multilayered coated particles. 365949
Jensen, D.H.
Theory and basis of PFN logging. (SAND - 77-0300) 365271
Jensen, E.B.
Nature of heavy-element abundance gradients in galaxies. 364347
Jensen, J.M.
Age determination of sediments by ^{210}Pb using a plastic detector technique. 367370
Jensen, K.
Boundary conditions for cryopumping in fusion machines of the Tokamak type. 358970
Description of the cryopumps and cryogenic ancillary equipment as proposed for JET. 358943
Oscillatory behavior of Rydberg-state total cross sections in the collisions Ne^+-He and He^+-Ne. 350559

Jensen, N.J.
Sintering uranium oxide using a preheating step. (US patent document 4,052,330/A/) 373299
Jensen, R.J.
Laser isotope separation. 357865, 367866
Some developments in laser isotope separation research at Los Alamos. (LA-UR – 76-191) 365652
Jensen, R.V.
Calculations of impurity radiation and its effects on tokamak experiments. 348928
Critical impurity concentrations for ignition of catalyzed-deuterium fusion plasmas. (PPPL – 1368) 361565
Steady state radiative cooling rates for low-density high-temperature plasmas. (PPPL – 1352) 359001
Jensen, S.
Experimental differential and integral electron impact cross sections for the B $^1\Sigma sub(u)^+$ state of H_2 in the intermediate-energy region. 361393
Jensen, S.E.
Exxon Nuclear Company WREM-based generic PWR ECCS evaluation model: Palisades type combustion engineering plant large break example problem. (XN – 75-64(A)) 373831
Jensen, S.J.K.
Fluctuaton-induced first-order phase transitions studied by the Monte Carlo technique. 360047
Jensen, T.
Transverse-momentum properties of multipion systems produced in high-energy collisions. 359345
Jensen, T.H.
Low frequency resistive axisymmetric modes of a tokamak plasma. (INIS-mf – 3963) 371905, 371906
Studies of doublet plasmas in Doublet IIA. 358942
Jenter, W.
New Van de Graaff terminal for VICKSI. 363143
Jentges, H.
Steam generator. 355287
Jentz, T.L.
Survey and evaluation of handling and disposing of solid low-level nuclear fuel cycle wastes. (PB – 269491) 371196
Jeppesen, R.H.
Total pion cross section measurements. Annual progress report, January 1, 1976 – December 31, 1976. (RLO/2232/T1 – 5) 369489, 377898
Jepson, P.
The integrated pulse velocity method applied to the calibration of flowmeters in high-pressure natural gas systems. 352362
Jerabek, P.A.
Material balance in coal. 2. Oxygen determination and stoichiometry of 33 coals. (COO – 2898-10) 378178
Jerancicj, S.
The emanation of radon from the surface layers of uranium in the process of uranium remaking. 370299
Jere, G.V.
Preparation, IR and thermal studies of thorium peroxide species. 354336
Jeremenko, V.N.
Phase diagram of the zirconium-osmium system. 349477
Jeremiah, D.R.
Measurement of the polarization parameter for antiproton-proton annihilation into charged pion and kaon pairs between 1.0 and 2.2 GeV/c. 353949
Jeremie, H.
Asymmetric excitation of the isobaric doublet ^{9}Be-^{9}B through the $^9Be(p,pn)^8Besub(gs)$ reaction. 356795
Jergel, M.
Czechoslovak-made Nb_3Sn superconductors. 367236
Jergens, D.E.
Catalytic proton bridge in acetylimidazolium ion hydrolysis implicated by a proton inventory. 357021
Jerie, K.
Angular distributions of annihilation quanta for evaporated layers of Bi and Cd and for bimetallic systems Bi-Cd. 374776
Jermann, M.
Effect of steam entry in a GCFR core. (CONF-761001 – P2) 362979
Evaluation of iron cross sections for fast reactor lattices and shields with the aid of measured neutron spectra. 370794
Jernigan, G.
Detection of X-ray emission from 3C 120. 351079
Jernigan, J.G.
Discovery of an X-ray QSO. 366741
Optical candidates for two X-ray bursters and an X-ray pulsar. 359128
Positions of galactic X-ray sources Cir X-1, TrA X-1 and 3U1626-67. 350986
Positions of galactic X-ray sources: $0^0 < lsup(II) < 20^0$. 364311
Positions of galactic X-ray sources: $320^0 < lsup(II) < 340^0$. 369019
Positions of three X-ray burst sources. 359105
Jerome, D.
NMR study on a 2H-$NbSe_2$ single crystal. 377163
Jersak, J.
On the monopole-dyon system in non-Abelian gauge theories. 361283
Jervis, R.E.
Biomedical and health studies with the new Canadian SLOWPOKE reactor. 369549
Jerzykowski, T.
Excretion and organ distribution of the cytostatic preparation Ledakrin (preparation C-283) in rat. 367580
Jesch, A.
Equipment to measure the specific electrical resistance, natural radioactivity and the neutron GAMMA intensity of rock layers intersected by a borehole, in a single step. (German (F.R.) patent document 2523116/A/) 358371
Jesenak, V.
Dekryptonation thermal analysis of some isothiocyanates. 372962
Jessberger, E.K.
Comment on 'Identification of excess ^{40}Ar by the ^{40}Ar/^{39}Ar age spectrum technique' by M.A. Lanphere and G.B. Dalrymple. 378861
Jessen, U.
Automatic particle counter for testing filter penetration by low concentration DOP aerosols. 360509
Jesshope, C.R.
The solution of elliptical partial differential equations using number theoretic transforms with application to narrow or limited computer hardware. 374522
Jessome, K.
Continuous monitoring of a heavy water plant effluent with a sulphide-selective electrode. 364871
Jessup, B.L.
An investigation of the composition of a hydrogen plasma using magnetoacoustic oscillations. (FUPH-R – 145) 356089
Magnetoacoustic oscillations of a plasma containing two species of ions. (FUPH-R – 141) 356122
Jester, A.
Process and equipment for locating defective fuel rods of a nuclear reactor fuel element. (German (F.R.) patent document 2528422/A/) 355370
Process and equipment for locating defective fuel rods of a reactor fuel element. (German (F.R.) patent document 2424431/B/) 368035
Jester, W.A.
Comparison of the bromide ion and iodide ion neutron activable tracers with tritiated water as groundwater tracers. 379258
Jeter, D.W.
Direct measurements of oxygen activity thresholds for liquid alkali metal-oxide fuel reactions. (CONF-760503 – P2) 352182
Jett
Accurate measurement of the proton – proton elastic scattering at 19.700 MeV. (BNL-NCS – 22500) 356793
Jett, J.H.
Neutron source reaction cross sections. 351376
Jeukenne, J.
Optical-model potential in finite nuclei from Reid's hard core interaction. 351291
Jeukenne, J.P.
Many-body theory of the optical-model potential. 356613
Theoretical investigations of the optical-model potential. 356614
Jevicki, A.
Field theories in terms of particle-string variables: spin, internal symmetries and arbitrary dimension. (COO – 2220-150) 361274
On the ground state and infrared divergences of Goldstone bosons in two dimensions. 361284
Quantum fluctuations of pseudoparticles in the non-linear sigma model. 353838
Quantum fluctuations of pseudoparticles in the nonlinear sigma-model. (COO – 2220-108) 364516
Jewell, W.S.
Estimates and sampling schemes for the instrumentation of accountability systems. (UCRL – 13733-1) 352859
Jewett, J.G.
Reaction of singlet oxygen with 4-methyl-2,3-dihydro-γ-pyrans. 378264
Jeyes, S.R.
Studies of molecular collision dynamics from polarized laser fluorescence. 366343
Jezka, D.
Use of radioisotopes in studying admixture distribution in zone refining. 379403
Jezowska-Trzebiatowska, B.
Non-gaseous radiolysis products of procaine benzylpenicillin and Na salt 3-ortho-chloro-5-methyl-4-isoxasolyl penicillin. 354420
Non-gaseous radiolysis products of 6-aminopenicillanic acid and potassium salt of benzylepenicillin. 354419
Jezuita, K.
On classical and quantum nonlinear relativistic field theory. (JINR-D – 1,2-9342) 355777
Jezussek, A.
Steam generator with a preheater. (German (F.R.) patent document 2346454/A/) 350224
Jhabvala, M.D.
A complementary MOS process. (N – 77-19322) 363630
Jhans, H.K.
Study of seebeck coefficient and electrical conductivity in single crystals of rare earth garnets. 366433
Jhaveri, D.P.
Effective seismic input through rigid foundation filtering. 373859
Jhung, K.H.C.
Chiral calculations of the phase shifts for the π.K system. 372441
Jiacoletti, R.J.
High temperature industrial process heat from nuclear fission. 379605
Jiang, N.S.
Determination of free thyroxine in serum by radioimmunoassay. 362778
Radioimmunoassay of human homologous prolactin in serum with commercially available reagents. 362781

Jiang, S.H.
Measurement and calculation of ^{252}Cf-fission neutron induced γ-fields in iron. (KFK – 2444) 375082
Reactor theory and physical experiments. (KFK – 1277/2) 370795
Jibu, Noboru
Model engineering for piping layout of boiling water reactor nuclear station. 374210
Jiggins, A.H.
An investigation of the count ratio technique for the resolution of two-component annihilation spectra. 375146
Jillie, D.W. Jr.
Interactions between coupled thin-film microbridge Josephson junctions. 351765
Jimenez, J.L.
An analysis of the structure and the thermal behaviour of the UO_2-PuO_2-fuel in the irradiation experiment FR2 capsule test series 5a. (KFK – 2477) 349590
Jimenez, O.
Improvement of Brout model for ferroelectric crystals. 353444
Jimi, Shoji
Effect of abdominal irradiation in intestinal sugar transport. 379017
Jin, S.
Use of microstructure control to toughen ferritic steels for cryogenic use. I. Fe – Ni steels. (LBL – 5767) 351815
Jinno, Keijiro
Reflection of a transient electromagnetic wave by a magnetized plasma with loss of half space. 358963
Jirak, Z.
Nuclear energy in metallurgy. 350239
Jires, M.
Inclusive spectra in anti pp interactions at 22.4 GeV/c. 353941
Transverse momenta correlations in annihilations at 5.7 GeV/c. 366885
Jirgena, T.I.
Water effect on radiolysis of solid inorganic nitrates. 369790
Jirousek, V.
The development of miniature sensors for in-core measurement. (ZJE – 198) 379902
Jirova, L.A.
Arrangement for study of π^0-photoproduction on ^{4}He nuclei. 379852
Jitschin, W.
Isotope shift and hyperfine splitting of barium levels. (AED-Conf – 77-243-001) 350633
Laser-rf double-resonance measurement of the quadrupole moments of ^{95}Mo and ^{97}Mo. 377004
Jitsuno, Kunihisa
Multi-cored air showers observed by a combination array of spark chambers and scintillation counters. 355568
Jo, J.H.
Mechanisms of vapor explosions. (CONF-761001 – P4) 362858
Joachain, C.J.
Eikonal theory of electron- and positron-atom collisions. 371468
The electron impact excitation of the 2^1P state of helium in the eikonal-Born series approximation. 366344
Exchange amplitudes and forward dispersion relations for electron-atom scattering. 353206
The excitation of atomic hydrogen and helium by fast electrons. 353274
Joag, D.S.
Recrystallization of lanthanum hexaboride by radiation heating and electron bombardment. 367091
Jobes, M.
f^0(1270) production in the reaction $\pi^-p \rightarrow \pi^+\pi^-n$ at 12 and 15 GeV/c. 372501
Jochemsen, R.
The anomalous far infrared absorption spectrum of solid paradeuterium in the orientationally order state. 355999
Labelled chloroquine analogs for the detection of ocular melanoma. (INIS-mf – 4010) 362227
Jockisch, W.
Tracerkinetic investigations on isomerization and synthesis of C^8-aromates. 2. 372954
Joe, S.H.
Significance of calcific valvular heart disease in /sup 99m/Tc pyrophosphate myocardial infarction scanning: radiographic, scintigraphic, and pathological correlation. 357642
Joegensen, C.K.
The fluorescent state of the uranyl ion assisting solar energy conversion. 349233
Joel, D.D.
Fate of intraintestinal thymocytes labeled with ^{125}iododeoxyuridine or tritiated thymidine. 352064
Joensson, V.
Semiquantitative determination of Fc and C3 receptors on human lymphocytes by isotope-labelled marker cells. 354892
Joergensen, H.W.
Channeling technique in surface studies. 368744
Joergensen, J.H.
Location of the ml-o locus on barley chromosome 4. 373718
Joergensen, P.
Analysis of excitation energies and transition moments. 368687
Coupled Hartree-Fock and second order polarization propagator calculations of indirect nuclear spin-spin coupling constants for diatomic molecules. 355910
Joestlein, H.
Observation of a dimuon resonance at 9.5 GeV in 400-GeV proton-nucleus collisions. 351221
Observation of structure in the UPSILON region. 369378
Joeveer, M.
Galactic mass density in the vicinity of the sun. 369119
Joffrin, J.
Observation of quasi-particle distribution in non-equilibrium superconductors. 354226
Joglekar, S.D.
Local operator products in gauge theories. II. (COO – 2220-89) 361285
Local operator products in gauge theories. I. 371391
Trace and dilation anomalies in gauge theories. 359238
Jognaux, A.
Electron transfer in H^* – He^{++} collisions. 353368
Merged-beams study of the charge exchange between He^{2+} ions and highly excited hydrogen atoms. 348658
Johannes, E.
Process analyzer 24006 – measuring device for continuous elements content determination in material streams. (INIS-mf – 4015) 373950
Johannsen, B.
Determination of the radiochemical purity of pertechnetate solutions from sup(99m)Tc generators. 372878
Johannsen, K.
Combined forced and free laminar convection in verticale rod bundles with longitudinal flow. 371045
Johannsen, K.H.
Experience with airborne iodine production. 349995
Properties of commercial adsorbent materials for decontamination of low-activity waste waters. (SAAS – 220) 376756
Johannsen, U.
A basis for applying hypoxic hypoxia for optimizing radiotherapy. Information based on animal tests. 379032
Johansen, P.J.
Break-up densities of nuclear fireballs. 361963
Forces between heavy nuclei in the independent-particle model. 354074
Johanson, E.
Apparatus to simulate nuclear heating in advanced fuels. (ANL-AFP – 22) 365994
Johansson, A.
Precise measurements of the elastic n-d differential cross section at low energy. 366962
Johansson, B.
Nature of the 5 electrons in the actinide series. 351120
Johansson, B.W.
Clinical analysis of myocardial scintigraphy with ^{99}Tcsup(m)-pyrophosphate. 354944
Johansson, G
Particle-induced X-ray emission: a useful analytical method. 369550
Johansson, G.
Determination of heavy metals and fluorine in airborne particulate matter in an indoor environment by simultaneous use of PIXE and γ-ray detection. 369560
Johansson, K.
The g-factors of the first 2^+ states in ^{50} ^{54}Cr, ^{54}Fe and ^{70}Ge. 362059
Gyromagnetic ratios of first 2^+ states in ^{126} ^{128} ^{130} ^{132}Xe. 356688
Johansson, L.
Envelope composition of Salmonella typhimurium 395 MS and 395 MR10 assesses by X-ray photoelectron spectroscopy (ESCA). 369559
Johansson, P.I.
Experimental study of the prompt fission neutron spectrum induced by 0.5-MeV neutrons incident on uranium-235. 362073
Fast neutron fission spectrum measurement of ^{235}U at 0.52 MeV incident neutron energy. (INIS-mf – 3896) 356674
John, E.
The determination of rare earths by atomic absorption spectrometry with electrothermal atomization. 351437
John, H.
Joint test rig for testing and calibrating of different methods of two-phase mass flow measurement. (KFK – 2435) 358442
Phase distribution in horizontal air-water and steam-water flows. 370715
John, H.E.
Method for disposing radioactive resin wastes and the appropriate device. (German (F.R.) patent document 2531584/A/) 355640
John, Jacob
Operating experience and radiation protection problems in the working of the radio-metallurgy hot cell facilities at BARC. (INIS-mf – 4159) 376216
John, K.
Gamma ray build-up factors for finite media. 361931
John, T.L.
Improved estimates of continuous absorption from the free-free transitions of C^-. 356261
Scattering of slow electrons by Si. 353275
Thermally averaged absorption coefficients of F_2^-. 366345
Johns, E.
Image processing of one-dimensional whole-body profiles. (INIS-mf – 4010) 358391
A novel homogeneous mobile whole-body counting device. (INIS-mf – 4010) 358377
Johns, M.W.
A study of high spin states in ^{151}Gd. 356889
Johnsen, K.
e-p facility in the CERN SPS. 363160
Johnsen, R.H.
Kinetics of radical decay. IV. Polycrystalline p-azoxyanisole. 359813
Kinetics of radical decay. V. Single crystal n-alkoxyazoxybenzenes. 359814

Johnsen, S.W.
Dosimetry measurements of 26, 35 and 45 MeV p-Be and p-Li neutron beams. 376228
Physical characterization of neutron beams produced by protons and deuterons of various energies bombarding beryllium and lithium targets of several thicknesses. 373931
Johnson, A.
Evidence for rotational band structures in the N = 88 nulide ^{153}Tb. (ZfK - 336) 364834
Investigation of high-spin states and decay of an 11/2$^-$ isomer in ^{151}Tb. (ZfK - 336) 364789
Johnson, A.B. Jr.
Behavior of spent nuclear fuel in water pool storage. (BNWL - 2256) 365847
Tritium production from ceramic targets: a summary of the Hanford coproduct program. Addendum: bibliography. (BNWL - 2097(Add.)) 358964
Johnson, A.D.
D meson production and decay in e$^+$e$^-$ annihilation at 4.03 and 4.41 GeV c.m. energy. 353989
A search for neutral heavy leptons. 356514
Spin analysis of charmed mesons produced in e$^+$e$^-$ annihilation. 351228
Johnson, A.J.
Fluidized bed incineration of transuranic contaminated waste. (RFP - 2693) 371201
Status report: waste incineration and fixation for Waste Management, Production, and Reprocessing Division of the Department of Energy (July - December 1976). (RFP - 2655) 380028
Johnson, A.R.
Fracture toughness of AISI M2 and AISI M7 high-speed steels. 357281
Johnson, B.
The control of nuclear energy. 366207
Decay of a T/sub z/ = - 2 nucleus: Argon-32. 364777
International proliferation of nuclear weapons. 376847
Nuclear power proliferation. 350437
Whose power to choose. International institutions and the control of nuclear energy. 371233
Johnson, B.E.
Dose response, wavelength dependence and rate of excision of ultraviolet radiation-induced pyrimidine dimers in mouse skin DNA. 373518
Johnson, C.
Effects of depolarizing resonances on a circulating beam of polarized protons during acceleration or storage in a synchrotron. 363187
Johnson, C.E.
Cs - U - O phase diagram and its application to uranium - plutonium oxide fast reactor fuel pins. (ANL - 76-126) 370083
Experimental two-phase liquid - metal magnetohydrodynamic generator program. Annual report, August 1975 - September 1976. (ANL/MHD - 77-3) 377673
Ion microprobe studies of surface effects of materials related to fission and fusion reactors. 357419
Nuclear reactor fuel element with vanadium getter on cladding. (US patent document 4,032,400/A/) 374173
Trapping efficiency of molten lithium for 20-keV tritium ions. 350611
Johnson, C.J.
Evaluation of the hazard to residents of areas contaminated with plutonium. 354994
Johnson, C.R.
Procedure for drying humidity-containing bodies. (German (F.R.) patent document 2616369/A/) 355021
Johnson, C.S.
Bilevel alarm monitoring multiplexer. (SAND - 77-0605) 366197
Johnson, D.
Comparison of insertion configurations. (BNL - 50611) 357958
Inclusive V^0 production in anti pp interactions at 12 GeV/c. 353939
Multichannel Thomson scattering apparatus. (PPPL - 1356) 356090
A study of the reactions K$^-$d→K$^-$d and K$^-$d→K$^-$n(psub(s)) at 4.5 GeV/c. 353954
Johnson, D.E.
Phase space cooling and anti pp colliding beams of Fermilab. 363242
pp collider construction scenario. (ANL-HEP-CP - 77-52) 365737
Johnson, D.J.
High power magnetically insulated radial diode. (SAND - 77-1549C) 368968
Johnson, D.L.
Observation of orbiting resonances in the scattering of He + Ne. 350620
Power flow studies of magnetically insulated lines. (SAND - 77-1365C) 367976
Sandia Laboratories: particle beam fusion research. 358944
Super power generators. (SAND - 77-1324c) 367975
Total cross sections at subthermal energies. 358829, 377119
Johnson, D.P.
Cost-risk optimization of nondestructive inspection level. 374102
Johnson, D.R.
Effects of processing variables on HTGR fuel kernels fabricated from uranium-loaded cation-exchange resin. 368171
Factors affecting defective fraction of biso-coated HTGR fuel particles during in-block carbonization. (ORNL/TM - 6093) 373316
Johnson, D.W.
The effect of base on the yield and spur-decay of esub(s)$^-$ in methanol. 359783
The effects of dose and base on the lifetime of esub(s)$^-$ in pulse irradiated methanol: the reaction of esub(s)$^-$ with hydroxymethyl radicals. 359784
Pulse radiolysis study of the reaction of solvated electrons with sulphur hexafluoride in methanolic solution. 367165
The yield and extinction coefficient of the solvated electron in methanol: pulse radiolysis of nitrobenzene and tetranitromethane solutions. 362264
Johnson, E.
The annealing behaviour of dysprosium ion implanted nickel studied by total current spectroscopy. (INIS-mf - 4031) 353413
On the annealing behaviour of dysprosium ion implanted nickel: a combined study using rutherford backscattering transmission electron microscopy, and total current spectroscopy. (INIS-mf - 3996) 374690
Theory for site - site pair distribution functions of molecular fluids. 358661
Theory for site-site pair distribution functions of molecular fluids. II. Approximations for the Percus - Yevick site-site direct correlation functions. (CONF-770454 - 1) 355715
Johnson, E.G. Jr.
Gamma counter apparatus. (US patent document 4,035,642/A/) 363573
Johnson, E.R.
Main loop isolation valve evaluation. (GA-A - 14149) 352760
Johnson, E.W.
Aerosol characterization from a simulated HDCA. Annual report. NRC program A1171-2. (MLM-MU - 77-70-0004) 379259
Johnson, F.A.
The characteristics of fission gas release from monocrystalline uranium dioxide during irradiation. 357412
Johnson, G.B.
Focussing of an ion beam from a reflex triode. (COO - 2765-7) 377453
Johnson, G.L.
Antenna concepts for interstellar search systems. 366665
Licensing, construction completion, and fuel loading of Millstone Unit No. 2. 358221
Johnson, G.R.
Radiation-induced enlargement of granulocytic and macrophage progenitor cells in mouse bone marrow. 357581
Johnson, H.M.
Copernicus spectra and infrared photometry of 42 Orionis. 361704
Johnson, I.
Cs - U - O phase diagram and its application to uranium - plutonium oxide fast reactor fuel pins. (ANL - 76-126) 370083
Johnson, J.E.
Nuclear reactor. (German (F.R.) patent document 2557332/A/) 367763
Tritium in tropospheric water vapor. 360196
Johnson, J.L.
Dynamical grid method for time dependent simulations of axisymmetric instabilities in tokamaks. (PPPL - 1359) 356121
Johnson, J.N.
Mechanical response of a porous uranium alloy. 373268
Johnson, J.P.
Fragmentation of aliphatic chlorocarbons under low-energy (< or approx. = 10 eV) electron impact. 350634
Johnson, J.R.
Annual limits on intake and derived air concentrations for the radioiodines with mass numbers from 123 to 135. (AECL - 5701) 360488
Inclusive production of π^{+-}, K^{+-},p,p-bar in high-energy p-p collisions. 372527
Measurement of ^{147}Pm in-vivo using phoswich detectors. (AECL - 5854) 362733
Summary of bioassay and thyroid monitoring results following an accidental exposure to ^{125}I. 370517
Whole body retention following an intravenous injection of ^{75}Se as selenomethionine. 354849
201-GeV/c proton-proton elastic scattering at large momentum transfer. 366888
Johnson, K.
Hadron states in the M.I.T. bag model. 361816
Introduction to M.I.T. bag mechanics. 351166
Physics with very high energy e$^+$e$^-$ colliding beams. (CERN - 76-18) 375013
Johnson, K.H.
The interaction of atomic hydrogen with Ni, Pd and Pt clusters. 356017
Johnson, K.S.
Summary report on salt dissolution review meeting, March 29 - 30, 1977. (Y/OWI/TM - 31) 363669
Johnson, L.
Developing methods for establishing improved plant reliability. 371252
Johnson, L.C.
Conduction heat loss scaling in open field line geometries. 350818
Electron number density measurement by ruby laser interferometry. (CONF-770725 - 1) 358926
Measurements of the parametric decay of CO_2 laser radiation into plasma waves at quarter critical density using ruby laser Thomson scattering. (PPPL - 1394) 377532
Johnson, L.D.
Effects of oxygen during γ-irradiation of Micrococcus radiodurans. 349720
Johnson, L.F.
Operational techniques to minimize, segregate and account for alpha-bearing wastes. 358461

Johnson, L.O.
High-counting rate 4πβ-γ coincidence system. (BNL-NCS – 22500) 358372
Johnson, L.P.
Electrostatic electron energy analysers and the application of the cylindrical mirror system to the study of ionization efficiencies by electron impact. 371164
Johnson, M.B.
Coulomb-nuclear interference with pions. 369416
Johnson, M.C.
Solitary autonomous thyroid nodules: comparison of fluorescent and pertechnetate imaging. 373695
Johnson, M.L.
Positron measurements of aging in complex aluminium alloys. 348796
Johnson, M.M.
Gamma prior distribution selection for Bayesian analysis of failure rate and reliability. (LA – 6879-MS) 353017
Johnson, M.W.
Determination of base ratios on sub-microgram quantities of RNA. 362779
A rapid method for determining nucleotide sequences of ribo-oligonucleotides using p-hydrazinobenzene[^{35}S]sulphonic acid. 365471
Johnson, N.R.
Contrasting behavior of hsub(9/2) and isub(13/2) bands in ^{185}Au. 378014
Johnson, O.B.
Paint and binding material to be hardened by ionizing radiations. (German (F.R.) patent document 2163661/C/) 354429
Paints binding materials hardenable by ionizing radiations and their applications. (German (F.R.) patent document 2163660/C/) 354430
Johnson, O.E.
Measurement of phi production in proton-nucleus collisions at 400 GeV/c. 366877
New limits on D^0(1.865) production in proton-nucleus collisions at 400 GeV/c. 361882
Johnson, P.
Liquid scintillation counting. Volume 4, proceedings of a symposium on liquid scintillation counting organised by Radiochemical Methods Group (Analytical Division, The Chemical Society), Bath, England, September 16-19 1975. 349875
A search for the I peak at 2.60 GeV/c^2 in 12 GeV/c anti pp interactions in the CERN 2m HBC. 377781
Johnson, P.B.
In-situ detection of radiation blistering and dynamic deuterium depth profiling during D^+ bombardment of solids. 373350
Johnson, P.E.
Substitutional and ordering effects in rare earth – transition metal alloys. 362418
Johnson, P.G.
Preparation of plutonium-242 for use as an alpha spectrometry and mass spectrometry tracer. 359622
Johnson, P.N.
A 480-channel lead glass Cherenkov detector. 355498
Johnson, P.W.
Dynamical equations for a Regge theory with crossing symmetry and unitarity. III. Crossing-symmetric representation with explicit Regge-pole terms. 359270
Johnson, R.
Risk of new cancers in ,patients with Hodgkins's disease. 373561
Johnson, R.C.
Partial wave expansions for arbitrary spin and the role of non-central forces. 372627
Johnson, R.E.
Binary-encounter stopping cross sections. III. Straggling and screening. 363902
Johnson, R.G.
Angular distributions and cross sections of the photoneutron reaction in ^{9}Be in the photon energy region 18-26 MeV. 356729
Observation of an ionospheric acceleration mechanism producing energetic (keV) ions primarily normal to the geomagnetic field direction. 360209
Observations of ions of ionospheric origin in the storm-time ring current. 373460
The 98 deg differential cross sections for the reactions $^{13}C(\gamma,n_0)^{12}C$ and $^{13}C(\gamma,n_1)^{12}C$. 359540
Johnson, R.H.
NE-213 neutron spectrometry system for measurements from 1.0 to 20 MeV. 355536
Johnson, R.L.
Component design description of the neutral beam injectors for PLT. (CONF-771029 – 43) 371907
Light water reactor fuel response during reactivity initiated accident type tests. (TFBP-TR – 246) 379245
Johnson, R.N.
Tribology: research and development needs in advanced energy technology. (HEDL-SA – 1191(Rev.)) 379446
Johnson, R.P.
Injection methods in the Fermilab booster. 363197
Some potential reductions in the release of radioactivity under LMFBR accident conditions. (CONF-761001 – P4) 362984
Suppression of transverse instabilities by fast feedback in the Fermilab Booster. 363136
Johnson, R.R.
Fast-ion generation by ion-acoustic turbulence in spherical laser plasmas. 350811
Laser driven compression and neutron generation with spherical shell targets. 371777
Johnson, R.T.
Ultraviolet light induced changes in the organization of mitotic chromosomes in porphyria cutanea tarda. 362633
Johnson, R.W.
Hybridization and bonding in transition metal compound superconductors: X-ray photoemission from crystalline and amorphous Nb_3Ge. 351795
Possibility of S/sub N/2 reactions at nitrogen. Catalytic H-D exchange in a melt. 378299
Johnson, S.F.
Leak test method for radioactive material packagings without pressure valve connections. 350023
Safety and radiation protection in nuclear power generation. Laws, standards and basic principles. (KBS-TR – 41) 376212
Johnson, S.J.
Secondary system modeling and method for a nuclear power plant training simulator. (US patent document 4,042,813/A/) 374214
Johnson, S.N.
Experimental facilities for the development of the United Kingdom high-level liquid solidification process. 358507
Johnson, S.O.
Reactor safety, 1975: research progress since the Salt Lake City topical meeting. 360451
Johnson, T.E.
Tough and corrosion resistant austenitic alloy. (German (F.R.) patent document 2641924/A/) 373145
Johnson, T.R.
Method for the safe disposal of alkali metal. (US patent document 4,032,615/A/) 374434
Johnson, W.
Measurement of the π^+p and π^-p polarization parameters at 100 GeV/c. 351209
Johnson, W.A.
Safeguards material control at licensed processing facilities. (UCID – 17525-77-1) 358588
Johnson, W.C.
Effect of Fe additions on the embrittlement of Cu – Bi alloys. 362298
Improved comparison of the LHR frequency observed by a VLF receiver and calculated from ion density measurements on the same spacecraft. 367434
Johnson, W.G.
Stresses in reinforced nozzle-cylinder attachments under internal pressure loading analyzed by the finite-element method: a parameter study. (ORNL/NUREG – 4) 374196
Johnson, W.J.
Westinghouse Emergency Core Cooling System evaluation model. Modified October 1975 version. (WCAP – 9150) 365564
Johnson, W.L.
Ion bunching in electronic space charge regions. 364208
The ratio of energy gap to transition temperature in amorphous superconductors. 359997
Johnson, W.R.
Gas turbine and advanced HTGR materials screening test program: 10,000-hour results and semiannual progress report for the period ending March 31, 1977. (GA-A – 14407) 365944
Oscillator strengths for the magnesium isoelectronic sequence. 358627
Screening studies on materials for nuclear process heat systems. 360871
Johnson, W.S. Sr.
Recent advances in radiation monitoring systems for nuclear power stations. 370575
Johnsrud, J.A.H.
Political geography of the nuclear power controversy: the peaceful atom in Pennsylvania. 380103
Johnsrud, J.H.
Radioactive waste: the gift that never stops giving. (ORP/CSD – 77-2) 373888
Johnston-Aruthur, T.
Host mediated assay mutagenicity test of irradiated standard food pellets and their extracts using Salmonella typhimurium G46 and TA1530. (SGAE – 2773) 374388
Johnston, A
Band crossing in ^{172}HF. (ANU-P – 691) 372828
Johnston, A.
Decoupled two-quasiparticle bands and backbending in ^{174}W and ^{172}Hf. 356750
Decoupled 2-quasiparticle bands and backbending in ^{174}W and ^{172}Hf. (ANU-P – 679) 356591
An experimental and theoretical study of the low-lying states of ^{15}N. 366915
High spin states and two-quasiparticle structure in ^{172}Hf. (ANU-P – 683) 356919
High spin states in ^{172}W, ^{174}W and ^{176}W studied by (^{16}O,xn) reactions: decoupled quasiparticle bands and backbending. (ANU-P – 674) 362054
High-spin states and two-quasiparticle structure in ^{172}Hf. 372829
Johnston, A.R.
Estimation of organ depth by gamma ray spectral comparison. 349807
Johnston, D.C.
Coexistence of superconductivity and long-range antiferromagnetic order in the compound Ersub(x)Mo_6Se_8. 357305
Phase transition in the superconducting state in Gd-rich pseudoternary compounds (Lasub(1-x)Gdsub(x))sub(1.0)Mo_6Se_8. 357304
Pressure dependence of T/sub c/ for the shear-stress-induced tetragonal phase of V_3Si. 364455
Superconductivity in a new ternary structure class of boride

compounds. 360045
Johnston, G.L.
Three-dimensional effects in the non-linear propagation of lower-hybrid waves. 372019
Johnston, J.E.
Development work on superconducting coils for a large mirror fusion test facility (MFTF). (UCRL – 78891) 358929, 377378
Johnston, J.R.
Spectrophotometric determination of uranium (VI) with 3-thianaphthenoyltrifluoroacetone. 359558
Johnston, J.S.
Delayed radiation necrosis of the brain. 379070
Johnston, M.D.
Spin coefficients and electromagnetism in Reissner-Nordstroem spacetime. 355778
Johnston, M.H.
Compositional variations in the undercooled Pb – Sn eutectic solidified at various acceleration levels. 362419
Johnston, R.P.
Stirling/hydraulic artificial heart power source. 379393
Johnston, T.W.
Non-linear interaction of intense CO_2 radiation with dense plasma. 348919
Johnston, W.D. Jr.
Electronic excitation effects on the mobility of point defects and dislocations in GaAlAs-GaAs heterostructures. 370205
Johnston, W.V.
Status of USNRC research on fuel behavior under accident conditions. (AED-Conf – 76-699-003) 365565
Johnstone, J.K.
The Sandia solidification process – A broad range aqueous waste solidification method. 358492
Johnstone, T.L.
A comparison of two approximate analyses of piping systems in a state of creep. (IWGFR – 11) 355226
Joho, W.
SIN accelerator, operational experience and improvement programs. 363267
Joiner, W.C.H.
Flux flow current-voltage characteristics and their magnetic field dependence in a type II superconductor. 366796
Flux flow noise power spectra in the presence of local pinning interactions. 351117
Joki, E.G.
Bent crystal spectrometer for solar x-ray spectroscopy. 352823
Jokipii, J.R.
Cosmic ray investigation for the Voyager missions; energetic particle studies in the outer heliosphere – and beyond. 374970
Cosmic rays in a dynamical halo. I. Age and matter traversal distributions and anisotropy for nuclei. 351062
Cosmic rays in a dynamical halo. II. Electrons. 351063
Joksimovic, V.
Assessment of HTGR accident consequences. 365517
Design basis and site qualification events for the HTGR. 362906
HTGR risk assessment study. (GA-A – 14336) 373832
Jolas, A.
Anomalous resistivity and subsequent fast particles in the plasma focus. (INIS-mf – 3963) 371752
The dense plasma focus – a high intensity neutron source. 353519
Joliat, G.
Measure of the relative local perfusion during the bone scintigraphy. (INIS-mf – 4010) 370491
Jolly, D.L.
Ergodic collision theory of intermolecular energy transfer. 355909
Jolly, M.E.
Common-mode failures in reactor safety systems. 362953
Jolly, W.L.
Core electron binding energies cyclotriphosphazenes and cyclotetraphosphazenes. 367068
Kinetic study of the hydrolysis of 2-germaacetate in neutral and alkaline solutions. 378443
Jolov, A.
Infrared rays stimulate silkworm productivity. 367501
Joly, G.
Analysis and role of bitumens in acid sandy soils. 357658
What is done in France with respect to the design, manufacture, management and development of nuclear fuel. 365880
Joly, S.
Analytical calculation of efficiency of a hydrocarbon scintillator as a neutron detector. (INIS-mf – 3896) 361024
Study on the $^{140}Ce(d,n)^{141}Pr$ reaction at 12 MeV deuteron energy. (INIS-mf – 3896) 356673
Jona, F.
Structural models of the reconstructed brace W 001 brace surface. 374667
Jonah, C.D.
Polyelectrolyte effects on rates of hydrated electrons. 365064
Reaction of e/sub aq/$^-$ + H_3O^+. Concentration effects of acid or salts. 367166
Reaction of the precursor of the hydrated electron with electron scavengers. 351637
Jonak, F.
In service inspection of the VVR-S reactor. (IAEA – 202) 376466
Jonckheere, A.
Measurement of the π^+p and π^-p polarization parameters at 100 GeV/c. 351209
Jonckheere, E.
Plutonium use – Present status and prospects. 365824
Joneja, O.P.
Annual report of the Neutron Physics Section : period ending December 1976. (BARC – 937) 371621
Neutron spectrometry by sandwich surface barrier technique. 366024
Jones, A.
Closed circuit television equipment developed by Berkeley Nuclear Laboratory for use on the Dounreay prototype fast reactor. (IWGFR – 10) 363415
Transport worker radiation exposures handling air shipments of radioactive materials. 360530
Jones, A.G.
A ^{178}W-^{178}Ta generator system. (INIS-mf – 4010) 357109
Comparison of four stannous compounds for in vivo red cell labelling with sup(99m)Tc. (INIS-mf – 4010) 362721
Radionuclide left ventriculography with the slant hole collimator. 352118
Jones, A.H.
Mechanical response of a porous uranium alloy. 373268
Jones, A.R.
The application of an automated thermoluminescence dosimetry system to environmental γ-dosimetry. (AECL – 5835) 361037
Jones, A.V.
Mitigating effect of coolant cavitation in the response of LMFBR containment to a whole-core accident. (CONF-761001 – P3) 365566
Jones, B.
Allograft cytotoxicity co-operation between alloimmune T cells and macrophages. 376135
Jones, B.E.V.
Metabolism of ^{181}W – labeled sodium tungstate in goats. (FOA-C – 40070) 376131
Jones, B.L.
Use of silicon linear photodiode arrays for detection of high-energy electrons. 374333
Jones, B.M.
Estimation of serum folate by a radioassay and a continuous-flow method, compared with an established microbiological tube assay. 373679
Jones, C.A.
Reaction of Cl^+ with D_2. 366346
Uranium favorability of late Eocene through Pliocene rocks of the South Texas Coastal Plain. (GJBX – 7(77)) 373418
Uranium favorability of the San Rafael Swell area, east-central Utah. (GJBX – 72(77)) 373412
Jones, C.E.
Existence of good finite-mass sum rules and the planar pole bootstrap. 372413
Reggeon amplitudes satisfying good finite-mass sum rules. 372414
Jones, C.E. Jr.
Design and development of the CRBRP ex-vessel transfer machine. (CONF-771109 – 86) 379767
Jones, C.K.
Selection of a cryostabilized Nb_3Sn conductor cooling system for the large coil program. (CONF-771029 – 91) 371790
Jones, C.L.
A comparison of the interactions between sequential Ga-P and Ga-As diffusions in silicon. 370169
Jones, C.M.
Holifield Heavy-Ion Research Facility at Oak Ridge. (CONF-770527 – 2) 365748
Jones, C.W.
One-Third-Scale Air – Water Pump Program, LOCA and pump overspeed analyses. Final report. (EPRI-NP – 474) 379260
Jones, D.H.P.
Some research programmes into galactic structure at the galactic caps under way at the Royal Greenwich Observatory. 369120
Jones, D.P.
Measurement of the polarization parameter for antiproton-proton annihilation into charged pion and kaon pairs between 1.0 and 2.2 GeV/c. 353949
Jones, D.R.T.
Charge renormalization in a supersymmetric Yang-Mills theory. 368552
Electron-muon permutation symmetry and multiplicatively conserved lepton number in gauge theories. 356404
Jones, D.W.
Rare earths: a growth industry. 357220
Jones, E.
e-p facility in the CERN SPS. 363160
Jones, E.C. Jr.
Transitions in ^{27}Al excited by 180° electron scattering. 364768
Jones, E.D.
Stimulated Raman spectroscopy using low-power cw lasers. 371418
Jones, E.M.
Low frequency electrostatic waves in the Culham Levitron. (INIS-mf – 3963) 371725
Jones, F.C.
Computer simulation of the velocity diffusion of cosmic rays. (N – 77-26059) 369122
The galactic halo question: new size constraints from galactic gamma-ray data. (N – 77-22039) 366762
Jones, F.G.
Hydrogen atmosphere sintering of RCo_5 magnets. 357217
Production of RCo_5 and R_2Co_7 powders by the R/D process. 357221
Jones, G.A.
Ferroelasticity in the $LnNbO_4$-type rare earth niobates. 362485
The properties of nuclei. 364694

Jones, G.D.
Gamma ray spectroscopy in ^{64}Zn – levels below 3.1 MeV in excitation. 369509
High spin states in some Zn isotopes. 356796
Lifetimes in ^{61}Ni measured by the recoil distance technique. 351425
Nuclear spectroscopy in ^{63}Zn: states below 1.5 MeV. 369496
Jones, H.
The microwave spectrum of bromoacetylene; rsub(s)-structure, dipole moment, quadrupole coupling constants and excited vibration states. 353276
Jones, H.A.
Effect of posture on distribution of pulmonary ventilation and perfusion studied with sup(81m)Kr and sup(85m)Kr. 367611
Jones, H.C.
Preparation and properties of thin films of $PbMo_6S_8$. 377683
Jones, I.
The Mark II Nancay radioheliograph. 372129
Jones, I.R.
An investigation of the composition of a hydrogen plasma using magnetoacoustic oscillations. (FUPH-R – 145) 356089
Observation of nonlinear effects in the propagation of m = 0 torsional hydromagnetic waves. (FUPH-R – 144) 356088
Jones, J.D.
Phosphorous doping of floatzone silicon by thermal-neutron irradiation. 358311
Jones, J.E.
Loose-parts monitoring: present status of the technology, its implementation in U.S. reactors, and some recommendations for achieving improved performance. (CONF-770902 – 5) 368112
Jones, J.P.
Adsorption of copper on single crystal planes of tungsten. 357282
Adsorption of gold on low index planes of rhenium. 362388
Jones, J.R.
Tritium nuclear magnetic resonance spectroscopy. 354281
Jones, K.A.
Application of experience to initial reactor startups. 358222
Jones, K.E.
Laser excitation of stationary states in molecules: the coupling of real eigenstates to phonons and photons. 361408
Jones, K.W.
Fuel failures in the Dodewaard Boiling Water Reactor. 363437
Jones, L.
Consequences of s-channel helicity conservation in multiparticle amplitudes. 351167
Jones, L.A.
Measurements of the ionisation rates of lithium-like ions. 366572
Jones, L.H.
Potential constants and structure of the UF_5 monomer. 350635
Search for narrow resonant states in e^+e^- collisions near 6 GeV. 351208
Jones, L.M.
Model for couplings. 351168
Jones, L.W.
Experimental Hall design considerations. (ANL-HEP-CP – 77-50) 365736
Review of quark search experiments. 372528
Jones, M.
Re-analysis of the baryon mass spectrum using the quark shell model. 356433
Jones, M.C.
A correlation for heat transfer to superphysical helium in turbulent flow in small channels. 349985
Jones, M.R.B.
Moessbauer spectra of Fe3Osub(4-x)Fsub(x) (with 0 <= x <= 0.25). 361442
Jones, O.C.
Assessment of molten fuel motion in the CRBR shield plug following a core disruptive accident. 352220
Interfacial passage frequency for two-phase, gas-liquid flows in narrow rectangular ducts. 376306
Jones, O.C. Jr.
Dynamics of solidification of flowing fluids with applications to LMFBR post-accident fuel relocation. (CONF-761001 – P4) 362889
Non-equilibrium aspects of water reactor safety. (BNL-NUREG – 23143) 370576
Post-CHF heat transfer: a non-equilibrium, relaxation model. (BNL-NUREG – 22905) 358065
Jones, O.E.
Physical protection safeguards for nuclear materials and facilities. 380125
Jones, P.B.
Hadronic photoabsorption and pair production in pulsars. 356262
Jones, P.H.M.
Immunological detection of residual leukaemic disease in the bone marrow of children with acute lymphoblastic leukaemia. 379102
Radiation and growth hormone deficiency. 352055
Jones, P.M.S.
Nuclear energy prospects. 376794
Jones, R.
Accelerated thermalization of an inhomogeneous beam-plasma system. 348929
Intense ion beam extraction through a non-equilibrium plasma sheath. 353569
The mode transition process in collisional drift waves and self-consistent plasma diffusion across a magnetic field. 358965
Jones, R.A.
Experimental determination of total scattering cross sections for positron-helium collisions. 348654
Jones, R.B.
Geometric interpretation of optimal iteration strategies. (SAND – 77-1030C) 366209
Transferring concepts in nuclear technology with computer generated films. 358617
Transferring concepts in nuclear technology with computer-generated films. 352563
Jones, R.C. Jr.
One-Third-Scale Air – Water Pump Program, LOCA and pump overspeed analyses. Final report. (EPRI-NP – 474) 379260
Jones, R.G.
The chemisorption of mercury on tungsten (100): adsorption and desorption kinetics, equilibrium properties and surface structure. 373212
Jones, R.H.
Data enhancement techniques for radionuclide cardiac studies. 354937
16-MeV H^+ and (D,T) neutron hardening correlation in nickel and niobium at 20°C. 360097
Jones, R.K.
Inhalation Toxicology Research Institute annual report, October 1, 1975 – September 30, 1976. (LF – 56) 362718, 362729, 362732, 362740, 362742, 362743, 362744, 364853, 364855, 364893, 364896, 364897, 365281, 365326, 365330, 365337, 365338, 365401, 365410, 365411, 365412, 365413, 365414, 365416, 365417, 365418, 365419, 365425, 365426, 365427, 365428, 365429, 365430, 365433, 365434, 365440, 365441, 365442, 365443, 365444, 365445, 365446, 365449, 365450, 365451, 365452, 365458, 365461, 365536, 365553, 365617, 365713, 365719
Inhalation Toxicology Research Institute. Progress report, October 1, 1975 – September 30, 1976. (LF – 56) 362714, 362715, 362716, 362719, 362723, 362726, 362727, 362728, 362737, 362738, 362739, 362741, 362746, 362747, 362748, 362749, 362750, 362755, 362756, 362758, 362759, 362844, 362845, 362846
Pulmonary collagen metabolism in irradiated hamsters and those treated with corticosteroids. (LF – 56) 362748
Pulmonary injury mechanisms revealed by cytologic analyses of bronchopulmonary lavage. (LF – 56) 362750
Toxicity of inhaled ^{144}Ce in fused aluminosilicate particles in beagle dogs. IX. (LF – 56) 365427, 365428
Toxicity of inhaled $^{144}CeCl_3$ in beagle dogs. X. (LF – 56) 365411
Toxicity of inhaled $^{238}PuO_2$ in beagle dogs. A. Monodisperse 1.5 μm $^{238}PuO_2$. B. Monodisperse 3.0 μm $^{238}PuO_2$ particles. III. (LF – 56) 362740
Toxicity of inhaled ^{90}Y in fused aluminosilicate particles in beagle dogs. VIII. (LF – 56) 365440
Toxicity of inhaled ^{91}Y in fused aluminosilicate particles in beagle dogs. VII. (LF – 56) 365441
Toxicity of injected $^{137}CsCl$ in beagle dogs. IX. (LF – 56) 365443
Jones, R.M.
Dosimetry for human exposures. (ORNL – 5171) 367525
Jones, R.T.
Adjuster rod experiments in ZED-2. (AECL – 5853) 360769
Measurement of a relative conversion ratio in 19-element ThO_2-UO_2 fuel. (AECL – 5825) 360768
Jones, T.A.
HI-CAP high-capacity fuel rack design. 352466
Jones, T.B.
Deformation of liquid droplets and gas bubbles in electric fields. Research report No. 1. (UCRL – 13735-1) 358966
Dynamic levitation of charged liquid droplets. (UCRL – 13735-3) 358967
Jones, T.C.
Allograft cytotoxicity co-operation between alloimmune T cells and macrophages. 376135
Jones, T.D.
Distributions of absorbed dose from isotropic and half-space isotropic irradiation by monoenergetic neutrons and photons. (ORNL – 5171) 367581
Dosimetry for human exposures. (ORNL – 5171) 367525
Isotropic and cloud source irradiation by monoenergetic neutrons and photons. 370650
Jones, T.W.
Restrictions on models for superlight flux variations in radio sources. 351031
Search for strangeness changing neutral currents induced by neutrinos in GARGAMELLE. 361875
Strange particle production by antineutrinos. 356505
Study of neutrino proton elastic scattering in the 'Gargamelle' freon experiment. 377821
Jones, W.
Interaction of high-energy electrons with organic crystals in the electron microscope. 375690
Jones, W.B.
Beta decomposition and superconducting properties of Hf – Nb binary and (HR,Zr)-Nb and (Ti,Zr)-Nb ternary alloys. 378650
Jones, W.R.
Utility use of NSSS supplier reactor analysis code for operational support. 358190
Jong, J. de
Nuclear spectroscopy with oriented nuclear spins. (INIS-mf – 4267) 378045
Jong, M.S. de
A liquid helium-4 target for intermediate energy nuclear physics. 374062
Jong, R.A.
Self-consistent background gas density calculation in a multichambered neutral beam line. 366569
Jong, R.B.J. de
Whole body kinetics of glycerol ^{75}Se-triether. (INIS-mf – 4010)

367547
Jonge, R. de
Interaction of labelled methylene diphosphonate (MDP) with the tissue. (INIS-mf - 4010) 362734
Jonge, W.J.M. de
Investigation of the bi-critical point in $CsMnBr_3.2D_2O$ with neutron scattering. (INIS-mf - 4267) 377160
Jongerius, R.T.
Measurement of the momentum of charged particles using magnetic fields and drift chambers. (INIS-mf - 4267) 379903
Jongh, L.J. de
Neutron scattering for two-dimensional systems, which show a tetracritical behaviour. (INIS-mf - 4267) 377164
Jonker, C.C.
Coplanar and noncoplanar experiments on the reaction H(d, pp)n at Esub(d) = 12.9 MeV. 367004
Jonson, B.
Alpha decay of neutron-deficient ytterbium isotopes and their daughters. 375179
The essential decay of pandemonium: a demonstration of errors in complex beta-decay schemes. 361985
Shifts in xenon K X-ray energies following electron-capture beta decay and the role of nuclear hyperfine structure. 356719
Jonson, R.
Nonstationary natural convection of a heat-generating liquid with an internal source in a closed cavity. (INIS-mf - 3957) 363108
Jonsson, G.G.
A complementary study of photospallation systematics. 366986
Joos, D.W.
Evaluation of human errors in commercial light-water reactors. 352250
Joos, H.
Field theoretic models of quark confinement. 353839
1 + 1-dimensional quantum electrodynamics as an illustration of the hypothetical structure of quark field theory. (DESY - 77/43) 364473
Joos, P.
Evidence for the F meson. 353947
Measurements of tau decay modes and a precise determination of the mass. 372505
On the origin of inclusive electron events in e^+e^- annihilation between 3.6 and 5.2 GeV. 353772
On the semileptonic decay of charmed hadrons. 356496
Joosten, J.G.H.
Growth of a vapour bubble in combined gravitational and non-uniform temperature fields. 367906
Joplin, G.F.
Measurement of total body calcium in bone disease. 369574
Jorda, J.L.
On the formation and stability of the A15 phase in the niobium-gallium system. 354527
Jordan, C.
Lines of H_2 in extreme-ultraviolet solar spectra. 359106
Transition region, ch. 5. 369121
Jordan, C.L.
Measurement of the electron - deuteron elastic scattering cross section in the range 0.8 less than or equal to q^2 less than or equal to 6 GeV^2. (SLAC-PUB - 1596) 361869
Jordan, E.
Evaluation of effectiveness of irradiation of scar after radical mastectomy in patients with breast cancer. 354810
Jordan, E.L.
Inspectors' experience with regulatory guides for operating nuclear plants. 358170
Jordan, G.M.
The influence of frequency and reliability of in-service inspection on reactor pressure vessel disruptive failure probability. 365782
Jordan, H.
Characteristics of agglomerates of sodium oxide aerosol particles: Task 7, topical report. (BMI-NUREG - 1977) 358285
Charging of radioactive aerosols. 365031
Experimental techniques and methods of hydrogeological interpretation used for measurements of natural tritium, ^{14}C and ^{32}Si at the Bergakademie Freiberg, GDR. 365304
Some results of T- and ^{14}C-investigations of groundwater in the German Democratic Republic. 373441
Jordan, J.
Sand filters as high efficiency aerosol filters in nuclear plants. 360493
Jordan, K.
A dynamic model of the heart for the stimulation of rapid cardiovascular studies. (INIS-mf - 4010) 371179
The influence of statistical noise on the image reconstruction in longitudinal computerized emission tomography. (INIS-mf - 4010) 363579
Jordan, K.C.
Tritium half-life. (MLM - 2458) 378054
Jordan, K.D.
Electron-quadrupole interactions. 353277
Jordan, K.R.
Use of materials information in the design of PWR fuels. 360915
Jordan, M.
Acid-base behaviour of rare earth fluorides. 357026
Jordan, P.
Identification of a modern imitation of an old scientific instrument by means of neutron activation analysis. 372879
Purified antigen radioimmunoassay in serological diagnosis of Schistosomiasis mansoni. 352170
Jordan, S.
Fuel particle and fission product release from LMFBR-core catcher. (CONF-761001 - P4) 362954
Release of fission products from contaminated sodium fires. (CONF-761001 - P4) 362955
Jordan, T.F.
Limits to the use of four-vectors in relativistic Newtonian mechanics. 358662
Jordan, W.G.
Methodology for qualifying Westinghouse PWR-SD supplied NSSS safety related electrical equipment. (WCAP - 8587(Rev.1)) 365567
Jordanov, N.
Determination of rhenium in molybdenum, tungsten and vanadium alloys after preceding extractive separation with N-benzoyl-N-phenylhydroxylamine (BPHA). 349183
Jorden, P.R.
Infrared sources in the compact H II region G45.5 + 0.1. 356263
Jorgensen, R.
Argonne Code Center: compilation of program abstracts. (ANL - 7411(Suppl.11)) 374513
Jornada, E.H.
Instabilities driven by energetic ion beam injection. 364209
Jornada, J.A.H. da
High pressure effects on electrical quadrupolar interaction in metallic hafnium. 355886
Joron, J.L.
Trace element geochemistry of magmatic rock series of converging and diverging plate boundaries. 375375
Trace elements archeochemistry in different sigillated potteries, using neutron activation analysis. 372880
Trace elements determination in rocks powder. 372877
Josa Garcia, J.M.
Recovery of uranium from phosphoric acid. 365099
Jose, J.G.
Unscheduled DNA synthesis in frog lens at 5°C. 360223
Josefsson, L.
The Sydvaerme project: District heating from the Barsebeck nuclear power plant. 376795
Joseph, C.
Measurement of the differential cross section for $\pi^-p \rightarrow \pi^0n$ around the $\Delta(1232)$ resonance and test of the charge independence principle. 362072
Joseph, J.
Exchange corrections for partial capture rates of muons in nuclei. (LYCEN - 7702(pt.1)) 369479
Joseph, K.
Computerized deconvolution analysis of the isotope renogram; software development and clinical application. (INIS-mf - 4010) 362826
Early recognition of potential hyperthyroidism in endemic areas. (INIS-mf - 4010) 370475
The effect of orally administered contrast media for cholangiography on T_4-T_3 conversion. (INIS-mf - 4010) 370484
Estimation of risk for hyperthyroidism by determination of the mass of autonomous thyroid tissue. (INIS-mf - 4010) 370476
Influence of iodinated cholegraphica on T_4/T_3-conversion. 360380
Influence of prior application of ^{99}sup(m)Tc-DMSA upon the results of ^{131}I-OIH-clearance determination. 376194
Results of functional hepato-chole-scintigraphy with HIDA. (INIS-mf - 4010) 370513
Joseph, K.J.
Standardization and intercalibration trials with ^{14}C isotope. 352348
Joseph, S.
A new radiopharmaceutical for positive myocardial infarct imaging. (INIS-mf - 4010) 362811
Josepovits, V.K.
Application of SIMS analysis with reactive sputtering and conclusion to the mechanism of the secondary ionization. 368787
Joshi, A.
E.s.r. of spin-trapped radicals in aqueous solutions of amino acids. 365359
Effect of Fe additions on the embrittlement of Cu - Bi alloys. 362298
Joshi, B.C.
Diffusion limited energy transfer from $Tb^{3+} \rightarrow Ho^{3+}$ in calibo glass. 371497
Effect of metabolic inhibitors on ^3H-lysine incorporation in the stilbestrol stimulated chick oviduct. 354890
Energy transfer from $UO_2^{2+} \rightarrow Er^{3+}$ in barium borate glass. 372967
Energy transfer from $UO_2^{2+} \rightarrow Ho^{3+}$ in borate glass. 355887
Studies on T_3-^{125}I uptake by resin in Hariana and its F_1 crosses in relation to different climatic conditions. 352067
Joshi, D.M.
Formation constants of chelates of 7-nitro-8-hydroxyquinoline-5-sulphonic acid with yttrium and some lanthanides. 351498
Joshi, G.M.
Structure and properties of Cr- and Al-doped V_2O_3 -a comparison. 371622
Joshi, J.
Diffusion limited energy transfer from $Tb^{3+} \rightarrow Ho^{3+}$ in calibo glass. 371497
Energy transfer from $UO_2^{2+} \rightarrow Ho^{3+}$ in borate glass. 355887
Joshi, J.C.
Diffusion limited energy transfer from $Tb^{3+} \rightarrow Ho^{3+}$ in calibo glass. 371497
Energy transfer from $UO_2^{2+} \rightarrow Er^{3+}$ in barium borate glass. 372967
Energy transfer from $UO_2^{2+} \rightarrow Ho^{3+}$ in borate glass. 355887
Joshi, J.G.
Continuous-flow system for large-scale ultraviolet irradiation of bacterial cells. 362643

Joshi, Janardan
Energy transfer from $UO_2^{2+} \rightarrow Er^{3+}$ in barium borate glass. 372967
Joshi, L.U.
Measurement of thickness of surface layers of the labile component of thorium and uranium present on marine particle surface. 376032
Joshi, M.S.
Radiation-induced crosslinking of polyethylene in the presence of bifunctional vinyl monomers. 378520
Joshima, H.
Effects of ^{239}Pu administered at 9 days of gestation on hematologic development of the rat. (BNWL – 2100(Pt.1)) 360320
Josquin, W.J.M.J.
Regrowth of amorphous layers created by high-dose antimony implantation in <100> silicon. 370226
Joss, P.C.
X-ray burst sources. 359116
X-ray bursts and neutron-star thermonuclear flashes. 359107
X-ray determination of the orbital elements of 3U0900-40. (CONF-7510169 –) 364380
Jost, K.
Elastic, excitation, ionization and total cross sections for electron helium scattering. 353278
Jost, N.
Pressure suppression system for a nuclear reactor plant. (German (F.R.) patent document 2452490/A/) 350225
Jost, P.
Measurement of spectra and angular distributions of scattered X-radiation and their significance for radiographic inspection methods. 358031
Jost, R.
Collisional angular momentum transfer in Rydberg states of helium. 355872
Jostsons, A.
Faulted loops in neutron-irradiated zirconium. 362538
Jouan, A.
Continuous vitrification of concentrated fission product solutions. (KFK-tr – 541) 368370
Current developments in continuous vitrification of fission product solutions. 358487
Jouannaud, C.
Safety and protection analysis of reprocessing plants. 370577
Jouquet, G.
Irradiation creep of two reactor-grade graphites measured continuously between 850 and 1100°C. 370170
Review of a test programme on irradiation creep of graphites and systemisation of results. 360098
Jouquet, Gilbert
Mechanical properties of graphites and carbon materials. (CEA-CONF – 3930) 354596
Jousset, J.C.
Iron damage by 20K electron irradiation. 354609
Jouve, H.
Extraordinary Hall effect in rare-earth – cobalt amorphous films. 351728
Jovanovic, O.
Hot laboratory of the Boris Kidric Institute of Nuclear Sciences. 360664
Jovanovic, V.
Preliminary thermal analysis of the 300-MW(e) gas-cooled fast breeder reactor grid plate. (GA-A – 14457) 363510
Jovanovicj, M.
Reliability of copper based alloys for electric resistance spot welding. 378651
Jovasevicj, J.
Study of precipitation hardening in Al-Zn-Mg alloys with small additions of silver. 378612
Jovchev, J.K.
Real part of the amplitude and a parameter of inclination of differential cross sections for pd elastic scattering at 30 and 50,7 GeV. (JINR-D – 1,2-9342) 356529
Jovic, D.
Temperature dependence of the distribution functions in liquid tin. 356000
Jowko, A.
Rare gas sensitized radiolysis of hydrogen sulfide in the presence of butadiene. 351638
Joyce, A.J.
Some design problems of the Hartlepool and Heysham AGRs. 352704
Joyce, J.M.
Absolute C K x-ray production cross sections for 18 – 26-MeV protons on thin carbon foils. 350577
Joyce, R.R.
Infrared measurements of Nova Monocerotis 1975 (A0620-00). (CONF-7510169 –) 364354
Joyce, T.
Differential cross sections for p-^{4}He elastic scattering at GeV energies. 354220
Joye, A.M.R.
Energy calibration of the A.N.U. 14UD Pelletron accelerator. 370771
The quadrupole moment of the first 3^- state in ^{208}Pb. (ANU-P – 667) 349140
Quadrupole moments of the first excited states of ^{204}Pb and ^{206}Pb. (ANU-P – 690) 362074
Joyner, R.W.
Quantitative examination of electron beam induced carbon deposition at a polycrystalline tungsten surface studied by Auger electron spectroscopy. 354528
Joynson, D.
Real parts of hadron amplitudes from 3-universality. 359271
Joynson, D.W.
Kaon-nucleon finite energy sum rules revisited. 353840
Jozefowicz, K.
The use of particle track detectors in the investigation of static reactor parameters. 355537
Jozwiak, H.
Investigations of radiation changes of some tablet mass ingredients. (INR – 1583/27/C/B) 376174
Use of polyester resins and methyl methacrylate in the process of a radiation modification of alder wood. Pt. 2. Properties of wood radiation-modified with Polymal polyester resins. 367892, 373975
Juang, Y.J.
Vacuum-deposited $CuInTe_2$ thin films: Growth, structural, and electrical properties. 365223
Jubault, G.
State of the art and perspectives for French reliability studies in the nuclear field. 370536
Jucker, A.
^{99}Tcsup(m)-fibrinogen as a thrombus-imaging agent. 373606
Jucker, J.
On flow continuity in the finite element method. 370793
Orientation-dependent electron emission in homogeneity regions of the systems Zr – O and Zr – C. (IKE – 3-10) 356001
Judd, T.W.
Eddy current flaw detector. (German (F.R.) patent document 2157059/C/) 358014
Jude, P.F.
Reactors for heat production with good electrical generating efficiency. Recovery of heat in helium-cooled direct-cycle reactors with one or two compression stages. 376546
Judish, J.P.
Charge transfer and Penning ionization of N_2, CO, CO_2, and H_2S in proton excited helium mixtures. 358723
Kinetics studies of Ne – N_2 by proton excitation. 350590
Juech, A.
Detection of the rate of damage of structural steel by fatigue testing with instrumentation. 365145
Juengel, V.
The VRA 20 – a computer controlled X-ray fluorescence analyzer. 367038
Juengst, K.P.
Multifilamentary superconductor with alternating twist in a transverse pulsed field. 352384
Superconductor. (German (F.R.) patent document 2517924/B/) 366799
Juentgen, H.
Method for the separation and extraction of radioactive krypton and xenon isotopes from waste gases. 370725
Progress in the design of a technical-scale gas generator for steam gasification of coal using nuclear heat. 379679
Technical scale gas generator for steam gasification of coal using nuclear heat. 368085
Jueptner, G.
Pressure vessel for nuclear power plants with concrete shell. (German (F.R.) patent document 2429773/A/) 355292
Juergensen, H.
Variations in trace element concentrations in human blood serum in the normal state investigated by instrumental neutron activation analysis. 369551
Jugaku, Jun
A computational and observational study of peculiar galaxies in the Coma cluster. 348992
A line of peculiar galaxies associated with the cD galaxy NGC4889 in the Coma cluster. 366760
Juhlin, I.
Effect of radiation therapy on the mitogenic response of in vitro irradiated human lymphocytes to phytohaemagglutinin. 376055
Julian, C.
Ten-megawatt upgrade and experimental utilization of the University of Missouri Research Reactor. 358316
Julien, J.
π^--nucleus interactions for stopped and 45 MeV pions with ^{58} ^{60} ^{62}Ni. 359467
Muon capture in ^{16}O. (LYCEN – 7702(pt.1)) 369478
Study of pion-nucleus and proton-nucleus interactions through γ spectrometry and gamma-charged particles coincidence measurement. (LYCEN – 7702(pt.1)) 369472
Julienne, P.
Theoretical determination of bound – free absorption cross sections in Ar^{2+}. 350469
Julienne, P.S.
Theory of gain and saturation for collision-induced lasing transitions. 358763
Julve, J.
Non-Abelian gauge theories and triangle anomalies. 363765
Junevicus, G.J.G.
A new relativistic theory of gravitation. 355743
Jung, G.
Experimental indication of the onset of nuclear deformation in neutron-rich Sr isotopes at mass 98. 367014
Jung, H.
The in-service inspection programme. 376571
Jung, J.
Neutral beam system for an ignition tokamak. (CONF-771029 – 177) 377401
Jung, K.
Chromatographic separation and detection of the rare earth in

ores, technical products and pure elements. 375285
Separation and detection of rare-earth elements from an uranium matrix by thin-layer chromatography. 375286
Jung, M.
Measured angular distributions of proton compton scattering at photon laboratory energies of 700, 750 and 800 MeV. (BONN-HE – 77-17) 364583
Jung, P.
On a relation between threshold energy for atomic displacement in metals, bulk modulus, and interatomic potential. 375949
Simulation of irradiation creep. (CONF-770641 – 6) 351906
Simulation of radiation-induced creep in special steels. 370214
Jung, W.
Development and irradiation testing of GCFR fuel elements in the Federal Republic of Germany. 379768
Jungblut, W.L.
Catalog of seismic records obtained in support of the ERDA/Nevada Operations Office, October 1963 – June 1976. (USGS – 474-183) 363119
Junge, M.
Vector analysing power in d-p and d-d elastic scattering at 52 MeV. 354145
Junge, O.
On the deposition of cobalt ions on surfaces of austenitic steels in the presence of some anions. 372951
Junge, W.
Application and verification of the TNT safety characteristic method by the example of the control gas storage container of the UENTROP 300 MW THTR nuclear power plant. 370966
Jungerman, J.A.
Present and future applications of iodine-123. 354835
Junghans, J.R.
Internal loss modulation of Nd-YAG-laser. 350878
Jungmann, A.
Nuclear reactor plant. (German (F.R.) patent document 2226574/B/) 355387
Nuclear reactor. 355386
Jungner, H.
Some remarks on radiocarbon dated archaeological samples from Finland. (INIS-mf – 4037) 357473
Jungowska-Klin, B.
The effect of X-irradiation on the alanine- and aspartate aminotransferase activity in the liver, kidney and spleen of mice. 373529
Jungreis, A.M.
Radiation-induced inhibition of eclosion in the tobacco hornworm, Manduca sexta. 362664
Jungst, K.P.
Anisotropy of pinning forces in NbLi. 359939
Jungwirth, K.
Convective excitation of quasistatic waves in an inhomogeneous anisotropic plasma. I. 368961
Plasma heating and ion acceleration by a relativistic electron beam – REB accumulation. (INIS-mf – 3963) 372046
Junker, B.R.
Computation of electron resonances in atoms using the complex coordinate method. 368657
Generalized Coulomb-projected Born-approximation cross sections for atomic excitation by charged-particle impact. 363925
Junker, D.
Dosimetry of reactor produced ^{125}Xe for ventilation scintigraphy. (INIS-mf – 4010) 370652
Exposure to radiation of the personnel during preparation and application of radiopharmaceuticals. (INIS-mf – 4010) 370651
Production and purification of reactor produced ^{125}Xe. (INIS-mf – 4010) 370668
Ventilation scintigraphy with ^{125}Xe – first results. (INIS-mf – 4010) 370497
Junker, H.
Investigations of fuel rod failure in the second heatup phase of a LOCA. (KFK – 2435) 358191
Junker, J.
On sawtooth oscillations and MHD modes in the W VII A stellarator. (INIS-mf – 3963) 371780
Junker, K.
Evidence on the influence of fission channels on fission phenomena. 377900
Fission barriers for even-even actinide nuclei. 351292
Probabilities of muon induced nuclear reactions involving charged particle emission. 372832
Study of pion and muon induced fission. 377893
Junod, A.
The influence of electromagnetic interaction on proton-proton elastic scattering. 354051
Jupa, F.
Radioactive sludge fixation. 352860
Jurak, A.
Inclusive data in proton-nucleus collisions at 67, 200, and about 3000 GeV. (INP – 872/PH) 375063
Jurela, Z.
Periodical dependence of yields of secondary ions. (INIS-mf – 3996) 364045
Jurenka, H.
Formation of small sparks. 366500
Jurgens, B.
Energy distribution of a relativistic electron beam interacting with plasma. 366570
The energy loss of a relativistic electron beam measured by means of a scintillator and a photodiode. (INIS-mf – 3963) 371908
Experiments with a relativistic electron beam injected into a plasma. 372030
Relativistic electron beam scattering due to beam-plasma interaction. (INIS-mf – 3963) 371880
Jurgutat, H.
Expert opinions on the plant. 376564
Juric, M.
Fast stable particles from light nuclei of emulsion following the interaction of 1.5 GeV/c K^- mesons. 366897
Probability distribution for K^-p and K^-n channels in the interaction of 1.5 GeV/c K^- mesons in light emulsion nuclei. 366898
Juric, M.K.
Hypernuclei in some hammer-like events recorded in a photonuclear emulsion irradiated with stopping K^- mesons. 366893
Jurjens, H.
Tumor detection with radio-labelled bleomycin, a clinical and animal study. (INIS-mf – 4010) 357650
Jurkevich, I.
On the reduction of certain integrals occurring in Kopal's Fourier theory of eclipsing binaries. 372195
Jursik, J.
Nuclear states excited in the (^{3}He,xn) reactions. 354268
Jursik, M.L.
Detection of carbon dioxide in the gases evolved during the hot extraction determination of hydrogen in uranium ingots. (NLCO – 1146) 362128
Jursinic, P.
Membrane potential and microsecond to millisecond delayed light emission after a single excitation flash in isolated chloroplasts. 367456
Jury, J.W.
The 98 deg differential cross sections for the reactions $^{13}C(\gamma,n_0)^{12}C$ and $^{13}C(\gamma,n_1)^{12}C$. 359540
Jury, S.H.
Zirconium metal-water oxidation kinetics. IV. Reaction rate studies. (ORNL/NUREG – 17) 357740
Zirconium metal-water oxidation kinetics. V. Oxidation of Zircaloy in high pressure steam. (ORNL/NUREG – 31) 374217
Jushkevic, J.
Selective production of short-lived neutron deficient nuclei of yttrium, strontium and rubidium by the use of molybdenium or zirconium as on-line solid target materials. 379367
Juslen, H.
Si Ksub(α) X-ray emission spectra of Si, SiC, SiO_2 and Si_3N_4. 361359
Just, M.
A position sensitive parallel plate avalanche detector (PPAD) for fission fragments. 379904
Just, R.A.
Safety analysis report for packaging: the ORNL HFIR spent-fuel-element shipping cask. (ORNL/ENG/TM – 12) 374036
Safety analysis report for packaging: the ORNL in-pile capsule shipping cask. (ORNL/ENG/TM – 10) 374034
Safety analysis report for packaging: the ORNL lithium hydroxide fire and impact shield. (ORNL/ENG/TM – 8) 365732
Safety analysis report for packaging: the ORNL loop transport cask. (ORNL/ENG/TM – 11) 374035
Safety analysis report for packaging: the ORNL tungsten-shielded cask. (ORNL/ENG/TM – 3) 363122
Just, T.
Performance of different ultrasonic testing techniques of austenitic welds with natural flaws. 376394
Just, W.
Fuel rod behaviour in the refill and flooding phase of a LOCA. (AED-Conf – 77-403-003) 376210
Justin, F.
Key safety issues for fast breeder reactors. (CONF-761001 – P1) 363024
Justin, J.
Sodium fire studies in France safety tests and applications on an LMFBR. (CONF-761001 – P4) 362922
Juusola, W.D.
Device for materials testing as a function of crack growth in a test body. (German (F.R.) patent document 2635459/A/) 374103
Juva, A.
On the effects of microstructure on the attenuation of ultrasonic waves in austenitic stainless steel. 358015
Juznic, K.
The stability constant ratios of tri-n-octyl amine hydrochloride and bisulphate. 367089
Jyehvehehr, M.M.
Hidden mass in galaxies. 351005
Kaae, J.L.
Improvements in the performance of nuclear fuel particles offered by silicon-alloyed carbon coatings. 365929
Mechanical behavior of Biso-coated fuel particles during irradiation. I. Analysis of stresses and strains generated in the coating of a Biso fuel particle during irradiation. 365927, 365928
Transmission electron microscopy of pyrocarbon coatings. 378791
Kaat, E.T.
High-energy ion-beam-induced luminescence of silicon. 370164
Kaatze, U.
Molecular motion and structure of solutions of triethylenediamine in H_2O and D_2O as studied by dielectric relaxation measurements. 378300
Kabachenko, A.P.
A gas discharge ion source for an on-line electromagnetic mass separator at a heavy ion accelerator. II. 367862

A gas-discharge ion source for an on-line electromagnetic mass separator at a heavy ion accelerator. I. 367861
Production of neutron-deficient isotopes of Fr and Rn while irradiating Ir by Ne ions. (JINR – 7-9566) 351377
Kabachnik, M.I.
Americium extraction by vinylene diphosphine dioxides. 378489
Extraction of trivalent transplutonium elements by dioxides of some alkylen-and vinylenediphosphines from nitric acid solutions. 349324
Kabachnik, N.M.
Theoretical study of inner-shell alignment of atoms in electron impact ionisation: angular distribution and polarisation of x-rays and Auger electrons. 348645
Kabaev, D.T.
Determination of nickel in ferronickel by the thermoelectric method. 375255
Kabakchi, A.M.
Investigation of filled polyethylene radiolysis at room temperature. 349346
Study of the features of radiation chemical synthesis of aminoacids from mixtures of ordinary gases in adsorbent surface layer. 378522
Kabakchi, S.A.
Determination of the rate constants of hydrogen ion reactions with pH-indicators in aqueous solutions by the method of pulse radiolysis. 357155
Yields and reactions of hydrogen ions on radiolysis of water and aqueous solutions. 357175
Kabakow, B.
Radiation-induced extraskeletal fibrosarcoma: simulating locally recurrent carcinoma of breast. 379056
Kabanov, A.N.
Passing and absorption of 5-30 keV electrons in massive solids. 356557
Kabanov, B.N.
Cathodic implantation of aluminium in vanadium. 378233
Kabanov, S.P.
Electron energy distribution in reactions of metastable atoms with atoms and molecules. (INIS-mf – 3915) 352818
Kabanov, V.A.
Calculation of non-stationary operating conditions of extraction cascades. 349267, 357041
Kabanov, V.Ya.
On mechanism of thermostimulated current appearence in irradiated polymers. 378803
Radiation grafting of monomers polymerized only by the ion mechanism. 375691
Kabanova, N.V.
Energy spectrum of primary cosmic radiation in the energy range from 10^{13} to 10^{16} eV. 361706
Kabashima, Junichiro
Absorption of water extract of chromium ore dross from skin and gastrointestinal tract. 352167
Kabat, D.
Dividing the superconducting solenoid winding into cylindrical sections. 357912
Kabe, S.
Inclusive Λ, anti Λ and Σ^{+-}(1385) production in 405 GeV/c pp interactions. 377810
Kabele, T.J.
Tritium production from ceramic targets: a summary of the Hanford coproduct program. Addendum: bibliography. (BNWL – 2097(Add.)) 358964
Kabeya, Z.
Sputtering yields of graphite, copper, using torsion microbalance technique with keV region H^+, He^+ and Ar^+. 368728
Kabilov, Z.A.
The investigation of the process of thermal decomposition of gamma-irradiated polyimide by mass-spectroscopy. 375692
Kabir, M.
Beta particle dose rates to micro-organisms in soil. 349719
Kable, E.J.D.
The NIMROC samples as reference materials for neutron activation analysis. 372852
Kabulniyasov, Kh.D.
A study of inelastic pion-nucleus interactions at 200 GeV/c in an emulsion. 356481
Kabulov, A.B.
Study on correlations of parameters of the optical potential of 38 MeV alpha particle elastic scattering on sup(68)Zn. 377861
Kac, M.
The ideal Bose-Einstein gas, revisited. 353173
Kachalin, V.A.
Automated system based on the universal computer for experimental data collecting and processing. (NIIAR-P – 236) 358039
Kachan, A.S.
Application of the statistical model for analysis of (n, α) reaction cross-sections on ^{54}, ^{56}, ^{57}, ^{58}Fe and ^{58}, ^{60}, ^{62}Ni nuclei excited by fast neutrons. (INIS-mf – 3897) 356590
Differential and integral cross-sections of (n, α) reactions on sup(54,56,57,58)Fe and sup(58,60,62)Ni nuclei at neutron energy 14.7 MeV. (INIS-mf – 3897) 356747
Study on the (n,α) reaction on iron and nickel isotopes at neutron energies of 14,7 MeV. (KFTI – 75-15) 359474
Kachanov, V.A.
Measurement of $\pi^-p \to \pi^0n$ at large momentum transfer. 372503
Observation of a meson $X \to 2\gamma$, with mass 2.85 GeV/c^2, produced in the charge-exchange reaction $\pi^-p \to Xn$ at 40 Gev/c. 377780
Particle identification in a hodoscope Cherenkov spectrometer. 355520
Performance study of spark wire chambers in extreme regimes. 371145
Study of the reaction $K^-p \to$anti K^0n at momenta of 25 and 40 GeV/c. 356482
Wire proportional chambers in an intensive particle beam. 371108
Kachen, G.I.
Relaxation oscillations in stimulated Raman scattering. 363795
Kachevskij, D.N.
Energy radiation in the two-body problem of the non-metric Lorentz-covariant gravitation theory. 350515
Kachi, S.
Metallic-antiferromagnetism of non-stoichiometric V_2O/sub 3+x/ studied by (^{57}Fe) Moessbauer effect. 365213
Kachi, Shogo
Radiotracer experiments on lignin reactions, 3. 373978
Kachin, S.V.
Methyl-bis-(8-oxy-2-quinolyl)-amine as luminescent reagent for determination of elements of gadolinium group. (INIS-mf – 4191) 375273
Kachmar, B.F.
Hydrogen penetration through chromium-nickel alloys from nitrogen-hydrogen mixtures. 375841
Kachniarz, M.
Effects of γ-ray irradiation on the properties of Pb^{2+} doped potassium chloride crystals. 365234
Kachurik, I.I.
Invariant expansion of the 5-dimensional Klein-Gordon equation solution in one orthogonal coordinate system. 374567
Kachurin, G.A.
Forming of low-resistant n-layers on p-InSb by pulse laser radiation. 371567
Kacperski, L.
Large area liquid scintillators. 366025
Kaczarowski, R.
Extended asymmetric rotor model for odd-A nuclei. (ZfK – 336) 364785
Kaczmarska, K.
Investigation of EPR line width in $CdCr_2S_4$ monocrystal near Curie point. 377205
Kaczor, J.
Determination of diffusion profiles by autoradiography and their quantitative interpretation. 374795
Kaczynska, R.
Isotope investigation of anodic slime movements in copper electrorefining baths. 367897
Kadansky, V.
Forward photoproduction of neutral pions on polarized protons in the third resonance region. 366890
Photoproduction of pions on polarized protons and neutrons in the second resonance region. (BONN-HE – 77-11) 369342, 372502
Kadantseva, M.I.
Cerium chloride-ethanol amine chloride-water system at 50 and 25 deg C. 375473
Cerium chloride-muriatic triethanolamine-water system. 378301
Kadar, S.
Distribution of some chemical elements between dissolved and particulate phases in the ocean. Period covered: August 1, 1976 – October 31, 1977. (COO – 3566-19) 379302
Kadechkova, S.
Observation of the suppression of a nuclear reaction in a direct γ=quantum beam. 368879
Kaden, W.
Quality assurance as a means of nuclear technology transfer. 352947
Kadieva, S.
Determination of rhenium in molybdenum, tungsten and vanadium alloys after preceding extractive separation with N-benzoyl-N-phenylhydroxylamine (BPHA). 349183
Kadim, A.
Study on proton polarization in elastic scattering on ^{24}Mg, ^{26}Mg, ^{32}S nuclei in the proton energy range 5-6 MeV by the thick target method. 378053
Kadinov, E.I.
Effect of blowing device design on the efficiency of blowing down in production of stainless steels in arc furnaces. 375801
Investigation into hydrogen distribution between metal and slag in electric smelting of stainless steel. 375791
Kadlec, J.
Current-versus voltage source model in Josephson effect. 353731
Experimental data acquisition and processing of the dynamic behavior of the pressure vessel test internals under the HDR-blowdown-experiments. (KFK – 2435) 358207
On the Fokker-Planck solution for thermal noise in Josephson junctions. 353730
Kadmensky, A.G.
Simulation of the particle-atomic chain interactions: angular distributions and nuclear diffusion functions. (INIS-mf – 3995) 377206
Kadner, M.
Method for the production of spherical fuel and breeder material particles. (German (F.R.) patent document 2459445/B/) 351693
Kadochnikov, V.A.
Thermodynamic properties of molten Th-Sn alloys. 373213
Kadokura, E.
Control computer system for KEK proton synchrotron. 363272
Kadomtsev, B.B.
Cross-field thermal conduction and transport. 374828
Nuclear fuel production in hybrid thermonuclear reactors. (INIS-

mf – 3954) 361643
Kadomtseva, A.M.
Effect of Dy^{3+} ions on transitions into atiferromagnetic state in substituted orthoferrites. 358868
Effect of ground state character of a rare-earth ion on magnetic transitions in orthoferrites. 355950
Magnetic and neutron diffraction investigation of reorientation transitions in cobalt-substituted yttrium orthoferrite. 355949
Kadoshnikova, N.V.
Rubidium selenatoindiates. 351497
Kadota, Hajime
Selectivity in protein degradation during sporulation of Bacillus subtilis. 349856
Kadota, K.
Tokamak experiments on JIPP T-II device. (INIS-mf – 3963) 371853
Kadota, Y.
Systematics of low-lying octupole states in the doubly-even nuclei from Ge to Sr. 378034
Kadotani, Kenzo
Annular coil. 366571
Method of forming a coil support for nuclear fusion devices. 348930
Kadoya, S.
New techniques for the treatment of laundry and other low-level liquid wastes. 358496
Kadoya, Shozo
Method of processing liquid radioactive wastes. 380016
Kadrnozka, J.
Possible compensation of reduced electrical output of nuclear power and heat plants for peak power production. (INIS-mf – 4055) 368424
Kadushin, A.A.
Investigation into oxide bismuth-molybdenum-containing catalysts by X-ray phase analysis and diffuse reflection spectroscopy. 378324
On the nature of active centres of propylene disproportionation catalysts. 372945
Kadushkin, V.I.
Energy and pulse relaxation in n-type InSb in the quantum limit. 354529
Kadyk, J.A.
D meson production and decay in e^+e^- annihilation at 4.03 and 4.41 GeV c.m. energy. 353989
K^0 production in e^+e^- annihilation. 353983
Properties of the proposed tau charged lepton. 356517
A search for neutral heavy leptons. 356514
Spin analysis of charmed mesons produced in e^+e^- annihilation. 351228
Kadykova, G.N.
Alloying addition effect on the structure of a titanium-niobium alloy system after thermomechanical treatment. 359940
Kadyshevskij, V.G.
Fundamental length as new scale in quantum field theory. (JINR-D – 1,2-9342) 355779
Short range particle interaction and a fundamental length. (JINR-D – 2-9788) 374556
Kadze, T.D.
Bounce effects in instability theory of trapped alpha particles in a tokamak reactor. (IAE – 2644) 356123
Kaekebeke, M.
Dynamical equations for a Regge theory with crossing symmetry and unitarity. III. Crossing-symmetric representation with explicit Regge-pole terms. 359270
Kaellman, C.G.
Abnormal neutron star matter at ultrahigh densities. 354090
Kaelline, E.
Measurements of the ionisation rates of lithium-like ions. 366572
Kaempf, B.
The industrial radiography of defects inside the European Community. (EURISOTOP – 104) 360583
Kaempf, G.
Specific heat of amorphous and polycrystalline lead-bismuth films. 353445
Kaempffer, R.
Ageing and poisoning of iodine sorption materials. (KFK – 2435) 357920
Development of exhaust air filters for reprocessing plants. (KFK – 2435) 357919
Kaenel, B. von
A possible new application of HTGR process heat: Zinc- and aluminium-making processes. 379682
Kaeppeler, F.
Measurement of partial radiation widths of high energy transitions from keV capture resonances in ^{56}Fe and ^{58,60}Ni. 375160
Kaeppeler, H.J.
Similitude observations and scaling laws for the plasma focus. (LA-tr – 77-61) 377449
Kaercher, K.H.
'Super Stuff' as bolus in radiotherapy. 365662
Computer tomography in therapy planning. 376255
Goals of clinical radiobiology. 379063
Radiobiological considerations of late effects arising from radiotherapy. 379064
Kaeser, K.
Precision test of vacuum polarization in heavy muonic atoms. 371477
Kaesser, K.
Test of vacuum polarization with muonic atoms. 377005
Kaestner, F.
Sample changer for X-ray spectrometer. (German (F.R.) patent document 2544323/A/) 376707
Kaetscher, E.
Nuclear power plant. (German (F.R.) patent document 2528825/A/) 355340
Kaetsu, I.
Temperature dependence of initial polymerization rate in radiation-induced polymerization of polyfunctional glass-forming monomers. 378521
Kaetsu, Isao
Immobilization of enzymes by radiation-induced polymerization. 359785
Kaeubler, L.
High-spin states in the N = 82 nucleus $_{61}{}^{143}Pm_{82}$. (ZfK – 336) 364816
Kaeyhty, H.
Radioimmunoassay of capsular polysaccaride antigens of groups A and C meningococci and Haemophilus influenza type b in cerebrospinal fluid. 349844
Kafalenos, V.P.
Characterization of aerosols containing fissionable elements using solid-state track recorders. 368316
Kafatos, M.
Mass loss, long-period variables, and the formation of circumnebular shells. 359108
Kaffrell, N.
Collective states fed by weak α-transitions in the ^{232}U chain. 356814
Direct identification of $^{103-107}$Mo by a rapid chemical separation procedure. 369765
New neutron-deficient tellurium, iodine, and xenon isotopes produced by reactions of 290 MeV ^{58}Ni ions on ^{58}Ni and ^{63}Cu targets. 364793
Precise energies of gamma rays from the ^{230}Th and ^{228}Th decay. 362079
Kafka, T.
One-, two-, and three-particle distributions in pp collisions at 205 GeV/c. 372529
Kafousias, N.G.
Hydromagnetic flow near an oscillating porous limiting surface. 366738
Kaftanov, V.S.
Further search for muonic pairs in the neutrino and antineutrino beams at the IHEP 70 GeV accelerator. 353927
Observation of muon pairs in neutrino interactions at Serpukhov 70 GeV accelerator. 361870
Kagabu, Teruo
Rhabdomyosarcoma of the abdominal wall following radiotherapy for carcinoma of the cervix uteri. 379061
Kagami, Haruo
Development of a continuous cold trap of fluidized bed. (JAERI-M – 7064) 367205
Kagami, Tadaaki
Tritium contents in rain water at Nagoya. 373433
Kagan, H.
Differential cross sections for p-^{4}He elastic scattering at GeV energies. 354220
Kagan, Yu.
Effects of dynamical interaction in dissociation of fast molecules in thin foils. (INIS-mf – 3995) 377207
Kagan, Yu.M.
On measurement of cross sections of some processes with participation of metastable helium atoms in afterglow of gas discharge. (INIS-mf – 3915) 368658
Kaganov, L.I.
Measurements of energy spectrum of primary cosmic rays in the energy range above 10^{17} eV. 361697
Kaganovich, I.N.
Investigation into decomposition kinetics of the metastable α'' and β phases of the quenched VT3-1 alloy in the process of tempering. 369922
Kagawa, Kenichi
Studies of linear Gramicidin synthesis in Bacillus brevis ATCC 8185. 349848
Kagedal, B.
Determination of thyroxine-binding globulin in human serum by single radial immunodiffusion and radioimmunoassay. 362780
Kagerman'yan, V.S.
Physicochemical and technological investigations of separation of aqueous-organic extraction emulsions in systems with TBP in ultrasonic field. (INIS-mf – 3914) 349237
Kageyama, E.
Study of radiation-induced polymerization of vinyl monomers adsorbed on inorganic substances. X. Influence of H_2O on the styrene-silica gel system. 373046
Kageyama, Tadashi
Production of C, N, O, and Ne ions by pulsed ion source and acceleration of these ions in the cyclotron. 379507
Kagitani, Mikio
Image analysis of nuclear fuel, (4). (PNCT – 831-77-01) 379575
Kagiya, Tsutomu
Radiation-induced crosslinking of polyethylene in the presence of fluorine containing monomers. 354431
Kagiyama, Shigenori
A multi-peripheral fireball model of e+esub(-) annihilation. 353841
A scaling function of e^+e^- annihilation in multiperipheral fireball model. 359272
Kagramanyahn, V.S.
Characteristics of the combined operation of thermal and fast power reactors. 355669

Kahan, A.
The effects of growth rate and thymine concentration on the UV sensitivity of E. coli 15T⁻. (INIS-mf – 4052) 376095
Kahana, S.H.
Bound states of charmed baryons and antibaryons. 359245
Surface transparent potentials: forward angle transfer and backward angle elastic scattering in heavy-ion collisions. (BNL – 23461) 377859
Kahane, S.
Numerical calculations of Delbrueck scattering amplitudes. 354040
Numerical calculations of imaginary Delbruck scattering amplitudes. (IA – 1338) 364740
Kahl, L.
Recent experiments on the treatment of medium level wastes and spent solvent and on fixation into bitumen. 358466
Separation and solidification of the active substances from medium-activity liquid waste. 371190
Kahl, S.
Effect of fluoride on the red cell (^{51}Cr label), plasma (^{125}IHSA label) and true blood volumes of rats. 373663
Kahl, Th.
Evidence for the tau → γrhoπ decay mode. 372500
Measurement of the branching ratios for the decays J/psi(3.1) → fω and J/psi(3.1) → Bπ. 372506
Measurement of the J/psi radiative decay into f⁰(1270)γ. 377779
Kahler, A.C.
Contrasting behavior of hsub(9/2) and isub(13/2) bands in ^{185}Au. 378014
Kahlstatt, P.
Routine reactor physics measurements in PWR reloading cores. 370797
Kahn, A.
Scintigraphic evaluation of liver size in children and adults. 352108
Kahn, M.
Radiochemistry of iodine. (NAS-NS – 3062) 365024
Kahn, P.
Investigation of disorders of the upper abdomen with gallium 67. (INIS-mf – 4010) 370480
Scintigraphy of acute myocardial infarction. (INIS-mf – 4010) 362821
Kahn, S.
Dilepton production by neutrinos in neon. 353929
Kahn, S.A.
Dilepton production by neutrinos in neon. 351210
Kai, K.
Time-of-flight pulsed neutron diffraction of liquids using an electron linac. 371140
Kai, Takaaki
Neutron monitoring instrumentation for BWR nuclear power plant. 360855
Kai, Tsunetoshi
Basic characteristics of centrifuges, (3). 373907
Basic characteristics of centrifuges, (4). 373906
Kaihara, Akihisa
Power control device of reactor. 368072
Kaiho, Katsuyuki
Magnetic instability of Nb48%Ti single core short sample in the changing magnetic field. 358993
Studies on the application of superconductivity to power apparatus. 372333
Kailas, S.
Volume integrals of nucleon absorbing optical potentials. 361992
Kaimal, K.N.G.
Release of iodine from sintered thoria pellets at low temperatures. 373370
Kaina, W.
A new measurement of the weak magnetism term in the betaspectra of ^{12}B and ^{12}N. 356797
Kainth, G.S.
Relative abundances of low energy cosmic ray nuclei of z greater than or equal to 7 using plastic detectors. 366710
Kainuma, T.
Mechanical properties of vanadium-niobium alloys. 378731
Kaipov, D.K.
Gaseous and frozen-up converters as ultracold neutron sources. (INIS-mf – 3895) 354001
Measurement of ultracold neutron spectrum. (INIS-mf – 3895) 354000
Kaiser, A.
Decay heat removal from a pin bundle. (CONF-761001 – P4) 362956
Flow rundown experiments in a seven pin bundle. 374238
Sodium boiling experiments in a seven-pin bundle: flow patterns and two-phase pressure drop. 374252
Sodium boiling experiments in a 7-pin bundle: investigations into some safety aspects of the KNK II driver zone. 374253
Sodium boiling experiments in natural convection with a thermal power equal to the decay heat. 371056
Kaiser, A.B.
Kondo alloys and the superconducting proximity effect. 364449
Kaiser, B.J.
Applying the pulsed ion chamber methodology to full range reactor power measurements. 379530
Kaiser, D.
Lifetime measurements by pulsed laser excitation of fast ion beams. 371507
Kaiser, E.
The production of tantalum nitride resistance layers by sputtering. 368807
Kaiser, F.
The tritium labelling of organic molecules by heterogeneous catalytic exchange. (JEN – 383) 367067
Kaiser, G.
Device for measuring the position of control rods in nuclear reactors. (German (F.R.) patent document 2521340/A/) 352499
Reprocessing technology in the HTGR fuel cycle. 367197
Kaiser, G.D.
Radioactive plumes. 370295
Kaiser, H.
Measurement of the coherent neutron scattering length of ^{3}He by neutron interferometry. 362075
Kaiser, H.J.
Path integral expansion. 353096
Kaiser, M.L.
Relationship between auroral substorms and the occurrence of terrestrial kilometric radiation. (N – 77-25709) 370296
Terrestrial kilometric radiation: 3-average spectral properties. (N – 77-14651) 361705
Kaiser, R.
Dosimetry of cosmic particles in nuclear emulsions for the Apollo 16, 17 and Apollo-Soyouz-test-project experiments (1972-1975). 360541
Kaiser, R.E.
Simulation of an HCDA sequence on the ZPPR critical facility. (CONF-761001 – P2) 362957
Kaiser, T.
Evidence on the influence of fission channels on fission phenomena. 377900
Kaiser, T.B.
Computer simulation of the velocity diffusion of cosmic rays. (N – 77-26059) 369122
Kaisersot, K.
Effects of discharging warm cooling water from a nuclear power station into the Upper Elbe. 367401
Kaisler, L.
In service inspection of the VVR-S reactor. (IAEA – 202) 376466
Kaiz, G.H.
Human factors engineering for nuclear power plants. 358159
Meeting the manpower challenge in the transfer of nuclear power to developing countries. 371314
Nuclear plant staff turnover. 358141
NUS operator selection experience. (EPRI-SR – 28) 352956
Kaizerman, S.
TRANC-1: a computer program for transient hot-channel analysis. (INIS-mf – 4052) 368489
TRANC-1: self verification and comparison with RELAP4 program. (INIS-mf – 4052) 376413
Kajak, Z.
A program of hydrological studies of the Zarnowieckie lake and the prognosis of the changes resulting from the operation of atomic and pump-storage power stations. 357830
Kajbyshev, O.A.
Superplasticity of the alloy VT9. 365178
Kajbyshev, V.Z.
VA characteristics of thermoionic converters with lower temperature emitters. (IAE – 2464) 366785
Kajdalov, A.L.
Measuring chamber of the device for determination of the wear particle radioactivity. (Soviet patent document 437950/A/) 370698
Kajdanov, V.I.
Anisotropy of thermoelectromotive force in bismuth telluride monocrystals. 374800
Kajdarova, R.K.
Effect of electrolytes of the rate of iodine (5) reduction with phosphine. 378249
Reduction of iodate-ion by phosphine catalyzed by molybdenum (6). 369617
Kaji, Harumi
A new nuclear chemical approach to the study of malignancy using perturbed angular correlations. 354974
Kajihara, Yasumasa
Basic and clinical studies on bone deposition of sup(99m)Tc-labeled methylene diphosphonate. 354935
Kajikawa, R.
Measurement of polarized target asymmetry in γp→π⁺n below 1.02 GeV. 369371
Kajiwara, Masao
Observation of aurora x-ray. 378935
Observation project of cosmic gamma-ray burst. 377667
Kajiyama, Shigeru
Method of controlling the secondary coolant in FBR. 379584
Kajkov, V.N.
Dynamic memory device. 376679
Kajnarskij, I.S.
Effect of molding method and some additives on the zircon sintering. 375932
New progress in the field of refractories for metallurgy and making of glass. 349563
Kajtmazov, S.D.
Effect of a strong magnetic field on a laser plasma from a solid target produced in a gaseous atmosphere. 368962
Kajzar, F.
Neutronographic studies on crystaline structure of graphitic materials. 371623
Kakabekov, G.G.
Radiolysis of hydrocarbons in the presence of carboranes-12. 378528

Kakar, S.N.
Modification of mutation frequency in Saccharomyces Cerevisiae. 367470
Kakegawa, M.
A large area multi-crystal positron camera. (INIS-mf – 4010) 358384
Kakigi, Shigeru
Continuous energy spectra of alpha-particles from $^{11}B(p, \alpha)^{8}Be$ reaction. 354188
Kakihana, H.
Method for separation and enrichment of isotopes. (US patent document 4,059,670/A/) 379366
Kakihana, Hidetake
Method for separation and enrichment of uranium isotope. 373908
Kakimoto, M.
Hyperfine structure in the A tilde state of PH_2 arising from the Fermi interaction of ^{31}P. 376997
Kakinuma, T.
Observations of interplanetary scintillation: solar wind velocity measurements. 372196
Kakiyama, H.
X-ray K emission spectra of vanadium in various oxidation states. 369581
Kakodkar, A.
Experience in the manufacture of nuclear equipment in India. 370813
Innovations in PHWR design, integration of nuclear power stations into power systems, and the role of small nuclear power plants in a developing country. 371001
Kakoulidou, M.
Study of the planarity in K⁻p reactions at 8.25 GeV/c. 369379
Kaku, M.
Superconformal unified field theory. 371392
Unified field theories with U(N) internal symmetries: gauging the superconformal group. 355758
Kakuchaya, P.I.
Specific features of shaping high-intense microsecond electron beams in a gun with a plasma anod. 376369
Kakurin, A.M.
The effect of the helical winding HF current on the To-1 tokamak discharge. 374803
Kakuta, Akio
Apparatus for separation of mixture gas. 368381
Kakuta, Michio
Rise of a cold plume. (JAERI-M – 7127) 380052
Kakuto, Akira
A new vectorlike model of the weak interactions. 349065
New weak phenomena and the vectorlike model with new right-handed mixing. 366852
Kakuya, Eiryo
Isotope separation of argon by axial flow turbo-machine, (1). 372952
Kakuyama, T.
Development of KEK injector linac. 363357
Kal'chenko, V.A.
Radiosensitivity of the photosynthetic system of agricultural plants. 379001
Kal'nenko, B.I.
Diffusion interaction of TK hard alloys with tungsten. 349501
Kalabina, L.I.
Ionization detector. (Soviet patent document 464924/A/) 352824
Kalabukhova, E.N.
EPR and electrofield effects in NaCl:Eu^{2+} and NaCl:Mn^{2+} single crystals. 348819
Kalacheva, Z.F.
Proton scattering by ^{50}Cr and ^{52}Cr nuclei at Esub(p)approximately 6 MeV. 375200
Study on proton polarization in elastic scattering on ^{24}Mg, ^{26}Mg, ^{32}S nuclei in the proton energy range 5-6 MeV by the thick target method. 378053
Kalachikov, V.E.
Preirradiation effect on the oxidation of the Zr+2.5% Nb alloy. 375948
Kaladze, T.D.
Collisionless shock wave structure stipulated by Bernstein's modes. (INIS-mf – 3255) 353570
Trapped alpha-particles cyclotron instability in a tokamak with elliptical cross-section. (IAE – 2664) 356124
Kalandarova, M.P.
Haemopoiesis in dogs irradiated in alpine conditions. 379022
Hematopoiesis in dogs affected by fractionated nonuniform γ-irradiation. 370350
Kalanov, M.
Study of domain structure of ferromagnets by small angle neutron scattering. 361472
Kalantarov, V.D.
Low pressure measurement technique. 376697
Kalantaryan, V.P.
On magnetic properties of some intermetallic cobalt compounds with d-metals. 369966
Kalashnikov, N.P.
The coherent electromagnetic interactions of fast charged particles in a single crystal. (INIS-mf – 3995) 377846
Kalashnikov, N.V.
A possibility of reparation of mitochondrial DNA of ascitic hepatoma cells in x-irradiated rats. 357577
Kalashnikov, O.K.
Asymptotically free SU(2) x SU(2) x SU(4) model of unified interaction. 372442
Kalashnikov, S.G.
High-frequent field effect and its manifestations in acoustoelectric phenomena. 374724
Semiconductor material for a particle detector. (Soviet patent document 436306/A/) 355538
Kalashnikov, V.M.
Determination of nitrogen and phosphorus in bone tissues by activation with 14 MeV neutrons. 364880
Kalashnikov, Ya.A.
Effect of pressure on partial molar volumes of components in $CdCl_2$-H_2O system. 359661
Kalashnikova, E.V.
Production of directional fluxes of slow positrons using an elliptical electrostatic reflector. (INIS-mf – 3915) 350349
Kalashnikova, T.N.
Investigation of the coefficient of water condensation in NaCl and CsCl solutions. 378312
Kalata, K.
X-ray spectroscopy with the ANS satellite. (CONF-7510169 –) 364401
Kalbach, C.
The Griffin model, complex particles and direct nuclear reactions. 359409
Kalbacher, B.
Spectroscopic study of the $Tc_2Cl_8^{3-}$ ion. 362231
Kalbfleisch, G.
Experimental Hall design considerations. (ANL-HEP-CP – 77-50) 365736
Kalbrier, W.
Target stations and beam dumps for the CERN SPS. 363268
Kalckbrenner, R.
Investigation of the long-term radiological environmental impact caused by an accumulation of nuclear facilities. (KFK – 2435) 357731
Kaldis, E.
Magnetic ordering of rare earth monochalcogenides. 350726
Kaldor, A.
Isotope separation process. (US patent document 4,035,270/A/) 357856, 373910
Separation process for uranium isotopes. (German (F.R.) patent document 2616943/A/) 349929
Kaldor, U.
Ab initio calculations of electron-molecule scattering cross sections including polarization. 353287
Electron-molecule scattering calculations including polarization and correlation. 358764
Kale, K.S.
Magnetic and spectral properties of Oxovanadium(IV) complexes with tridentate dibasic ONO donor Schiff bases derived from isopropanolamide and substituted salicylaldehydes. 367137
Kale, P.P.
Equatorial circular geodesics in the Kerr – Newman geometry. 350496
Timelike and null geodesics in the Nordstroem field. 371360
Kaleck, A.
Experimental investigations of the stability of a belt-pinch to vertical displacements. (INIS-mf – 3963) 371872
Kaledin, G.I.
The types and geophysical characteristics of terrigenous rock reservoirs of Dneprovsko-Donetskaya basin. 349663
Kalekin, Yu.V.
Resistive state of thin tin films in a magnetic field. (KFTI – 75-33) 356367
Kalelkar, M.
Diffractive and nondiffractive A_1, A_3, and A_4 production in π^+p interactions at 15 GeV/c. 359332
Dilepton production by neutrinos in neon. 351210, 353929
Kalendo, G.S.
Mechanism of the radiosensitizing effect of low dose ionizing radiation in the HeLa cell culture. 360224
Kalenov, S.V.
High-stable transformer direct current transducers. (JINR – 13-9827) 376743
Kaletta, D.
The relevance of low-dose irradiation to high-dose effects – investigated using the example of helium implantation into vanadium. 368808
Kalfsbeek, H.W.
Heating of a toroidal plasma by skin currents. (INIS-mf – 4267) 377450
Skin heating and confinement in a tokamak plasma. (INIS-mf – 3963) 371916
Kalganov, N.V.
Further search for muonic pairs in the neutrino and antineutrino beams at the IHEP 70 GeV accelerator. 353927
Observation of muon pairs in neutrino interactions at Serpukhov 70 GeV accelerator. 361870
Kali, B.A.
Study on molybdenium and its alloys for thermonuclear reactors. (INIS-mf – 3954) 362547
Kalibabchuk, V.A.
PMR study of complexes of titanium and hafnium chlorides with substituted o-naphtoquinone dioxide. 354337
Kalichak, T.N.
Fatigue cracking rate in some high-alloyed martensitic stainless steels. 378673
Fracture kinetics and stability of residual stresses during cyclic deformation of specimens with certain diffusion coatings. 365176
Kalicinski, A.
Possibilities of heart damage during roentgenotherapy. 367524

Kalicki, A.
Multipoint set for the tracer measurements of electrolyte movement in the industrial electrorefining apparatus. (INR – 1584/20/E/B) 373982
Kalifa, J.
The ^{116}Sn (d,t)^{115}Sn reaction at 23 MeV. 354150
Study of ^{191}Pt, ^{193}Pt, ^{195}Pt and ^{197}Pt using pick-up reactions. (IPNO-PhN – 77-13) 356709
Kalimullah
Physics calculations for the Clinch River Breeder Reactor. (ANL – 77-27) 371029
Pipe rupture studies for the CRBR using DEMO and SAS. (CONF-761001 – P3) 365561
Kalin, B.A.
Nickel alloys and stainless steels peeling during ion irradiation. (INIS-mf – 3954) 362557
Selection of material for thermonuclear reactors. (INIS-mf – 3954) 362421
Steels and nickel alloys sputtering during deuterium ion irradiation. (INIS-mf – 3954) 361422
Study on materials in cyclic temperature fields. (INIS-mf – 3954) 363374
Temperature dependence of erosion of vanadium and niobium alloys when irradiated with helium ions. 378801
Kalina, V.K.
Device for automatic dosage of radioactive liquids. (Soviet patent document 472258/A/) 355146
Kalincak, M.
Age dependent sup(99m)Tc-Sn-oxytetracycline uptake by the rat myocardium after isoprenaline administration. 373677
Preparation of sup(99m)Tc-Sn-tetracycline antibiotics and their organ distribution in rats. 373019
Kalincik, L.
Performance evaluation of a group of WWER nuclear power plant units from the point of view of optimal control properties and the cooperation with other sources in the system. (INIS-mf – 4054) 368144
Kalinichenko, S.S.
Effect of fluctuating electric fields on superbanana diffusion of plasma in stellarator. (INIS-mf – 3963) 372076
Kalinichenko, V.V.
Current reversing in the correction coils of the U-120M isochronous cyclotron. (JINR – 13-9624) 350060
Energy characteristics of a rectifier with a combined voltage control. (JINR – 13-9578) 367970
Kalinin, A.I.
Delay unit with adjustable limits and output cascade for pulse forming. (JINR-R – 13-10697) 371098
Neutron-activation analysis of bauxites and products of their processing. 375225
Systematic analysis of new inorganic substances and materials. 375287
Kalinin, A.N.
Radiation damage of molybdenum monocrystals due to ion implantation. (KFTI – 75-35) 353428
Kalinin, A.S.
The NAP-M proton storage. 379519
Kalinin, A.V.
Nuclear hybrid plant with laser fusion reactor. (INIS-mf – 3963) 353556
Kalinin, B.K.
Dislocation structure effect on low-temperature creep during dynamic relief of austenitic steel, copper and aluminium. 378693
Kalinin, B.V.
Consideration of well conditions in interpretation of gamma spectral logs. 360154
Kalinin, G.M.
Properties of coatings based on alumomagnesium spinel. 370089
Kalinin, M.M.
Technology of soldering radioisotope thermoelectric generator joints. 349944
Kalinin, N.F.
Investigation into reactions in the $Cd(OH)_2$-CdX_2($X=Cl^-,I^-$)-H_2O systems. 367090
Kalinin, O.A.
Oxygen diffusion in TiO_2 and ZrO_2 non-stoichiometric oxides. 359623
Kalinin, P.I.
Effect of medium on zirconium evaporation parameters. 349459
Kalinin, V.G.
Determination of molybdenum and tungsten concentrations in bedrocks by x-ray radiometric method. 349619
Kalinin, V.P.
Radiographic inspection of atomic power station units with the help of a microtron. 376274
Kalinin, V.V.
Experimental study on a cooling system with underheated liquid helium. (INIS-mf – 3954) 361524
Kalinina, I.G.
Reprocessing of rhenium reextracts by electrodialysis with ionite membrane. 357076
Kalinina, I.P.
Investigation into some phosphoric acid esters as extraction agents for tantalum and niobium. 362170
Kalinina, L.A.
Investigation and perspectives of use of new solid electrolytes. (INIS-mf – 4189) 375503
Kalinina, N.A.
Software for an experiment in serch for a new type of radioactivity. (JINR – 10-9214) 380150
Kalinina, N.E.
Neutron-activation analysis of bauxites and products of their processing. 375225
Kalinina, N.M.
Flame-photometric determination of boron in waters of APP. 364886
Kalinkin, I.P.
Charge carrier transfer and impurity distribution in alloyed epitaxial structures. 368774
Effect of activator distribution on conductivity of epitaxial layers of CdSe. 378261
Effect of evaporation and condensation conditions on growth of epitaxial films of cadmium selenide. 351491
Some reactions of cadmium selenide epitaxial films with oxygen. 378371
Kalinkin, L.
An acceleration evaluation of the performance of the Soviet-French wide-gap spark chamber for gamma-ray astronomy. 368266
Kalinkin, L.F.
On fluxes of secondary protons at Ek > 500 MeV on altitudes of 200-300 km. 376040
Kalinkina, O.M.
Gas-analysis equipment of the automatic interplanetary stations Venera-4, 5, 6 and 8. 372281
Kalinkov, M.
The existence of high-order clusters of galaxies. 369123
Kalinkova, N.
Kinetic energies of fragments in first resonances of ^{235}U. (INIS-mf – 3896) 356741
Kalinnikov, V.T.
Effect of a strong electric field on SHF absorption in Cdsub(1-x)Agsub(x)Crsub(2)Sesub(4) ferromagnetic semiconductor. 348846
Effect of anion substitution on "red shift" of absorption edge of CdCrsub(2)Sesub(4-x)Ssub(x) single crystals. 348808
Investigation into glasses of P-Se and As_2Se_3-InI_3 systems by infrared spectroscopy. 378234
Magnetic properties in the vicinity of the Curie point of $CdCr_2Se_4$ doped single crystals. 377162
Phase diagrams of As_2Se_3-InI_3 and As_2Se_3-GeI_4 systems. 351478
Spectra of photoconductivity of Ga doped $CdCr_2Se_4$ monocrystals. 377192
Synthesis and magnetic properties of the vanadium carboxylate complexes. 369621
Kalinnikova, I.V.
Some particularities in interpreting the geophysical complex exploration of holes in the fields of the Gryazevaya Sopka after Azi Aslanov. 362579
Kalinovich, D.F.
Study on self-transport in pure molybdenum. 369967
Thermal cycling effect on the thermoelectromotive force of some alloys. 349478
Kalinovskij, E.A.
Resisting anodes for systems of cathode protection of metals in sea water. 367179
Kalinovskij, Yu.L.
Pion polarizability in the linear sigma-model. (JINR-R – 2-10849) 377728
Kalinovsky, A.N.
Direct muon production in proton-nucleus collisions at 70, 50 and 35 GeV. 353942
Kalinowski, J.E.
Nonlinear analysis of the CRBR core restraint system. (IWGFR – 11) 355467
Kalinsky, D.
Alpha transfer reaction between oxygen isotopes. (WIS-PH – 77/42) 364786
Alpha-transfer reactions between oxygen isotopes. 372769
Attempt to measure the relative phase of the $(1dsub(5/2))^2$ and the $(2ssub(1/2))^2$ amplitudes in the ground state of ^{18}O. (WIS-PH – 77/27) 364787
Nuclear reactions induced by the bombardment of ^{18}O with ^{18}O. 356798, 366987
One and two neutron transfer reactions between ^{17}O and ^{18}O. (WIS-PH – 77/37) 364695
Kalinyuk, N.N.
Use of graphite cascades for analysis of oxyden and nitrogen in steels. 372881
Kalish, R.
Annealing behavior of In implanted in Si studied by perturbed angular correlation. 351895
Enhanced transient fields on Gd nuclei moving in magnetized Gd. 353446
Moessbauer effect studies on 2-MeV proton irradiated Nb_3Sn. 360091
Kalishevich, G.I.
Heat capacities, standard enthalpies, entropies of germanides Me_5Ge_3(Me=V, Cr, Mn, Fe, Co and Ni). 375817
Kaliski, S.
Plasma-focus dynamics investigations by means of multiframe interferometry and shadowgraphy. (INIS-mf – 3963) 371812
Kalisky, Y.
Energy transfer between Bi^{3+} and Nd^{3+} in germanate glass. 353338
Interpretation of the mechanism of energy transfer from Bi^{3+} to Eu^{3+} in oxide glasses. 362444
Kalistratov, G.V.
Toxicity and radioprotective action of a complex of sulphur-containing substances. 370378
Kalistratova, V.S.
Action of various ^{131}I doses on the natural and radiation-induced occurence of mammary gland neoplasms in rats. 376102

Kaliteevskij, N.I.
Level-crossing method compared with recent achievements in high-resolution laser spectroscopy. 361365
Kalitkin, N.N.
Quasi-classical atomic model. 374622
Shock adiabates at ultrahigh pressures. 355933
Kalivoda, L.
Microwave diagnostics of pulsed plasma. 368963
Kalkar, C.D.
Self diffusion studies of $^{131}I^-$ and $^{82}Br^-$ ion in alkali halide solutions at various concentrations. 378203
Kalkoffen, F.
DAtF-KTG-Reactor Meeting 1977 in Mannheim. 355362
Kalkwarf, D.R.
Lysis of phespholipid membranes with radiation-induced free radicals. (BNWL – 2100(Pt.1)) 360226
Safety evaluation of cation-exchange resins. (BNWL – 2391) 364881
Tests for mutagencity of free radicals formed in irradiated sugars and amino acids. (BNWL – 2100(Pt.1)) 360225
Kallanranta, T.
An intravenous isotope method for measuring regional cerebral blood flow (rCBF) and volume (rCBV). 349808
Kallberg, M.
Determination of thyroxine-binding globulin in human serum by single radial immunodiffusion and radioimmunoassay. 362780
Kallee, E.
Sources of error in the determination of protein-bound radioiodine using ion exchange resins. (INIS-mf – 4010) 369526
Kallenbach, W.
Quality assurance and inspection of large-diameter pipe. 358016
Kaller, Ya.A.
Preparation and certain properties of the films of solid solutions of the system Bisub(2)Tesub(3-x)Sesub(x). 378607
Kalli, H.J.
Evaluation of three Monte Carlo estimation schemes for flux at a point. (LA – 6865-MS) 364608
Kallman, R.F.
Quantitative estimation of histological changes in subcutaneous vasculature of the mouse after x-irradiation. 367514
Kallmeyer, D.H.
Exposure during work in the controlled area of the Biblis A nuclear power plant. 370637
Radiation exposure during work in the controlled area of Biblis A nuclear power plant. 370638
Kalloglyan, A.T.
A four-color surface photometry of Markarian galaxies. 374879
UBV-surface photometry of Markarian 190 galaxy. 377590
Kallus, M.F.
Environmental aspects of uranium mining and milling in South Texas. (PB – 266318) 352251
Kalman, C.S.
Charmed-baryon electromagnetic mass differences. 364517
SU (1,4) as a dynamical group; analysis of all the discrete representations. 356434
SUsub(1,4) as a dynamical group for the mesons analysis of all the discrete representations. 364518
Kalman, J.
Hydrogen – deuterium exchange in saturated hydrocarbons on α-chromia catalyst. 369638
Kalmaz, E.V.
Simulation of chlorinated water discharges from power plants on estuaries and rivers. (CONF-771109 – 75) 378891, 379243
Kalmon, E.H.
Irradiation injury to the ureter and surgical tolerance. An experimental study. 360254
Kalmus, G.
K°sub(L)p interactions in the c.m. energy range 1.54-1.71 GeV. 372508
A study of the Dalitz plot in the decay K°sub(L)→$\pi^+\pi^-\pi^0$. 353988
Kalmus, G.E.
Partial-wave analysis of $K^-p \to \pi^0\Lambda(1520)$ between 1710 and 2170 MeV c.m. energy including new data between 1775 and 1960. 372507
Kalmus, P.I.P.
Antiproton-proton total elastic cross sections in the T and U regions (0.69 – 2.43 GeV/c). (RL – 77-098/A) 349058, 361880
Antiprotons. 366894
Measurement of the polarization parameter for antiproton-proton annihilation into charged pion and kaon pairs between 1.0 and 2.2 GeV/c. 353949
Kalmykov, A.A.
Magnet system of the "Jupiter 2T" high-temperature plasma electromagnetic trap. (INIS-mf – 3954) 361581
Plasma accumulation in electromagnetic traps. (KFTI – 75-19) 377504
Kalmykov, A.V.
Real-time counter in the BESM-4 computer. (JINR – 10-9190) 366219
Kalmykov, D.V.
Application of the code aerial gamma-spectrometer AGS-4K and "Aehropoisk-2" algorithm in prospecting for gold (on the example of one of the sections of Okhotsk-Chukotsk volcanogenous belt). 362577
Automation system of the processing of aerial gamma spectrometry surveys "Aehropoisk-2". 376008
Kalmykov, N.N.
Some characteristics of nuclear interactions on the basis of study on extensive air showers. 361708
Study on spatial and energy distributions of muons from extensive air shower by means of a magnetic spectrometer. 362615
Violation of scale invariance in hadron interactions at super-high energies. 356336
Kalmykov, V.A.
Effect of slag-and-metal surface properties on the refining of stainless steel. 349398
Gas interaction with metal under ultraviolet irradiation. 357283
On electric conductivity in melts on the base of calcium fluoride. (INIS-mf – 4193) 375586
Kalmykov, Yu.D.
Decarburization of the chromium-containing melt. 375774
Kalmykov, Yu.K.
Calculations of a thermonuclear reactor with a cumulating liner. (INIS-mf – 3954) 361566
Kalmykova, I.S.
Capabilities of using extraction concentration method to analysis of lanthanides. (INIS-mf – 4191) 375302
Investigation of extraction concentration of rare earths by means of diantipyrilmethane in the presence of phosphate ions. 375288
Using extraction concentration for lanthanum determination in magnesium alloys. (INIS-mf – 4191) 375376
Kalmykova, S.S.
Excitation of inhomogeneous plasma by modulated current. 348931
Kalmykova, Z.I.
Harmful effect of nitrite salts of a monomer- Am^{241} and polymer-Pu^{239} on the organs and systems of maximum deposition of radiation sources after inhalation of drastically toxic amounts. 360321
Hemodynamics in dogs after inhalation of various amounts of polymeric Pu^{239}. 349783
Kalmykova, Z.S.
Mastering of fabrication technology of titanium thin-walled sections. 351712
Kalnay, A.J.
The Bose description of Fermions. A model. 363797
On Fermi quantum fields constructed from Bose quantum fields and their applications. 363796
Kalnicky, D.J.
Excitation temperature and electron number density distributions experienced by analyte species in an inductively coupled argon plasma. 369639
Kalnins, A.
Dynamic buckling of shells: evaluation of various methods. 358611
Kalos, M.H.
Structure of a liquid – vapor interface. 363798
Kaloshin, A.E.
Combined description of $\pi\pi \to \pi\pi$ and $\pi\pi \to K$ anti K processes. 375051
Kaloshin, P.M.
Dose-effect dependence on the quantity of microorganisms and their radioresistance. 352015
Kaloshin, V.M.
State and prospects of domestic radioisotope instrument-making in the field of control and measurement of concretes and soils density. 349947
Kalpakchieva, R.
Angular correlation method for measurement of characteristics of heavy ion reaction products. (JINR-R – 7-10671) 376669
Asymmetric mass distribution from the fusion- fission reaction $^{40}Ar + ^{243}Am$. 359495
Life-times of high-spin rotational states of ^{166}Yb. (JINR-R – 7-8531) 359460
Kalshoven, A.W.B.
Decay studies of some nuclei around Z = 50: sup(106 m)Ag, sup(103, 119, 121)Cd. (INIS-mf – 3946) 362070
Investigation of ^{119}In and ^{121}In. (INIS-mf – 4267) 378007
Properties of odd Ag isotopes. (INIS-mf – 4267) 378015
Kalsotra, B.L.
Lanthanum(III), cerium(III), praseodymium(III), neodymium(III) and samarium(III) chloride triethyl phosphate complexes. 359624
Kaltwasser, J.P.
Changes in iron kinetics by myelostimulative therapy in patients with aplastic anemia. (INIS-mf – 4010) 367573
Clinical value of radioimmunometrically determined serum ferritin levels. (INIS-mf – 4010) 370477
Kalugin, V.A.
On estimate of possibilities of fluorescence X-ray radiometric method of element analysis by means of selective X-ray radiometric logging program. 378113
Kalugin, V.F.
Rolling of nickel base hardly deformable alloys in four-roller mills. 351723
Kalugin, V.V.
Device for sampling and storage of instanteneous values of an analog signal. 376737
Kaluzienski, L.J.
Early light curve of A0620-00. (CONF-7510169 –) 364349
Evidence for a 17d periodicity from Cyg X-3. (CONF-7510169 –) 364340
Long-term x-ray studies of Sco X-1. (CONF-7510169 –) 364342
New results from long-term observations of Cyg X-1. (CONF-7510169 –) 364341
Studies of transient x-ray sources with the Ariel 5 all-sky monitor. Ph.D. thesis – Maryland Univ. (N – 77-25051) 364348
Kalvius, G.M.
Effect of pressure on Moessbauer isomer shift and magnetic hyperfine field in europium metal. 374728
Pressure dependence of the electric field gradient at ^{181}Ta in Group IIIB metals: Sc, Y, Lu. 375822
A TDPAC high-pressure study of the electric-field gradients at tantalum in ω-zirconium. 375821

Kalwa, P.G.
Test and development of heat exchanger alloys for nuclear steam gasification of coal. 360875
Kalyakin, A.S.
Nature of conductivity of strontium orthomolybdates depending on composition of compounds and thermodynamic parameters of medium. 378415
Kalyanov, D.M.
Gamma-plant. (Soviet patent document 357597/A/) 370678
Kalyazin, S.P.
Determination of dose and the effective value of linear energy transfer of mixed n, γ-radiations from the radiolysis products of methanol and ethanol. 351639
Kalygin, A.G.
Controllable forming of a compact toroidal structure with an impulse field barrier. (DOE-tr – 3) 369009
Kalygin, V.V.
Theoretical investigations of the plasma surface ionizer. (NIIAR-P – 261) 350362
Kalyutik, A.I.
Hydrodynamics of a lithium blanket of a thermonuclear reactor. (INIS-mf – 3954) 364153
Kalyuzhnyj, V.N.
Magnetic field of helical current-carrying conductors on a torus with an arbitrary pitch of winding. (KFTI – 76-5) 358968
Kam, F.B.K.
Dosimetry experiment for neutron spectral characterization of the second NRC 4T-CT irradiation capsules at BSR. (CONF-771036 – 3) 365999
Foil activation dosimetry at energies below 1 MeV. (CONF-771036 – 5) 379948
Kam, P.M.A. van der
Glory undulations in the total cross section and small angle differential cross section for Ar-Kr. 358708, 376971
Kamada, Hiroshi
Parameter on movement through soil of radionuclides. 367371
Kamada, Masaaki
The standard reference materials and the precision of analytical values in environmental analysis. 359560
Kamada, Nanao
Development of chronic myelocytic leukemia in atomic bomb survivors. 370386
Preleukemia. Late and latent hematologic effects of atomic bomb irradiation in the Japanese. 370385
Sister chromatid exchanges in peripheral lymphocytes of atomic bomb survivors and of normal individuals exposed to radiation and chemical agents. 349766
Kamada, S.
TRISTAN ep project. 363269
Kamae, Tsuneyoshi
Design of a high-intensity, high-momentum-resolution, low-energy separated beam. (KEK – 76-15) 355211
Kamakin, N.I.
Selection of the optimal technological parameters for mechanized welding of high-nickel alloys and heavy gauge steels. 359872
Kamal, A.N.
The contribution of ω radiative decay to proton-proton bremsstrahlung. 354217
Two-body decays of vector and pseudoscalar mesons in a broken SU(4) scheme. 351154
Kamal'dinov, M.A.
Machine MT-1223 for spot welding of alloyed steels and titanium alloys. 359873
Kamaldinova, Z.M.
Beef. 367674
Kamardin, V.M.
Magnetic testing of the mechanical properties of heavy-plate rolled stock of 20K and 09G2 steels. 375755
Kamarinopoulos, L.
A method to determine the effects of inaccuracies in the component data on the reliability characteristics of the system as a whole. (TUBIK – 53) 355288
Kamarzin, A.A.
The Gd_2S_3-Cr_2S_3 system. 375551
Kamat, M.Y.
Fate of Staphylococcus aureus in radiation sterilized model food systems simulating dairy products. 349830
Kamata, Hiroshi
Radionuclide concentrations in rain water and dust. 360197
Kamata, Masayuki
Improved mass analysis of boron isotopes in B_4C control rod for nuclear reactor. (PNCT – 831-77-01) 378181
Kamata, Rikisaburo
Estimation of population doses from stomach mass screening, 1975. 379337
Kamath, H.S.
Fabrication and post-irradiation examination of a zircaloy-2 clad UO_2-1.5 wt% PuO_2 fuel pin irradiated in PWL, CIRUS. (BARC – 918) 374178
Kamath, S.G.
E1 transitions in the Harari quark model. (IC – 76-100) 361817
Kambara, H.
Collision-induced dissociation of water cluster ions at high pressure. 353279
Kambara, Tadashi
Measurement of alignment error of the drift tube array by the hot wire method. 350091
Kambic, G.X.
A heavy ion beam probe system for investigation of a modified Penning discharge. (N – 77-19868) 361567
Kamble, M.D.
Seepage studies through hydraulic structures and their foundations by inactive and radio tracers. 370270
Kamboj, B.K.
Establishment of a precision long counter as a secondary standard for fast neutron flux density measurement. (BARC – 916) 374334
A fast neutron detector with linear energy response. 374335
Kambu, F.
On some problems of study on solar wind on the "Prognoz" satellites. 376660
Kamchatnov, A.M.
High-energy inelastic nuclear interactions. 377923
Kamchatnyj, Yu.G.
Determination of the average grain size of tungsten alloys by acoustic emission technique. 375907
Kamchatova, I.E.
Lethal action of ionizing radiation on the chlorella vulgaris cells containing varying dmounts of intracellular cysteine. 349725
Kameari, Akihisa
Eddy current analysis by the finite element circuit method. (JAERI-M – 7120) 366573
Kamefuchi, S.
Remarks on the classical field theory of tachyons. 363799
Kamegawa, Katsumi
Adsorption of complex anion of mercury(II), cadmium or zinc ion on activated carbon. 378444
Kamei, M.
Cavitation tests for a main circulation pump of JOYO primary circuit. (IWGFR – 9) 350255
Kamei, T.
Control computer system for KEK proton synchrotron. 363272
Synchronous transfer of beam from the booster to the main ring in the KEK proton synchrotron. 363275
Kamel, A.H.
Mutation breeding for disease resistance in wheat and field beans. 373699
Kamelander, G.
Calculation of thermal neutron spectra in a Wigner-Seitz-cell by means of a combination of Selengut's method of overlapping spectra and multicollision theory. (SGAE – 2486) 365795, 365796
Kamenetskaya, S.A.
Gamma radiolysis of aqueous solutions of dimethylamine. 365035
Kamenetskij, M.V.
On electric conductivity in melts on the base of calcium fluoride. (INIS-mf – 4193) 375586
Kamenev, A.I.
Study of properties of β-diketones and their complexes with some rare earths. (INIS-mf – 4191) 375451
Kamenev, D.Ya.
Behaviour of construction materials in N_2O_4 medium under conditions of variable temperatures. 351663
Kamenev, V.F.
Extraction of scandium by aromatic carboxylic acids. 378124
Extraction of scandium salicylate by tetraethyldiamidoheptyl phosphate. 354338
Studying scandium extraction with some carbonic acid. (INIS-mf – 4192) 375289
Kameneva, S.V.
Modifying action of DNA synthesis precursors on Aspergillus nidulans conidium irradiated by ultraviolet and X-rays. 351999
Kamenshchikov, V.A.
Probe system for plasma diagnostics. (Soviet patent document 434298/A/) 377451
Kamenskaya, A.N.
Determination of oxidation potential of the pair Fm^{2+}/Fm^{3+}. 359748
Investigation into rare earth chlorides in hexamethylphosphorotriamide. 375516
Kamenskaya, E.A.
Studying structure characteristics of Zr_5Al_4(h) intermetallic compound. (INIS-mf – 3839) 367255
Kamenski, A.D.
Arrangement for study of π^0-photoproduction on ^{4}He nuclei. 379852
Kamenskij, A.M.
Device for nuclear power reactor control. (Soviet patent document 473220/A/) 355349
Kamerdzhiev, S.P.
Giant multiple resonances. 375162
Kametaka, Masao
Liver lipid accumulation and fatty acid flux in rats fed a low protein diet containing purified whole egg protein. 349883
Kameyama, Tetsuya
The study of thermochemical hydrogen preparation. (2). 354329
Kameyama, Yoshiro
Effect of low dose x-ray irradiation on development and differentiation of the cerebral cortex, (8). 354776, 354777, 354778
Kamide, Y.R.
Altitude of the eastward and westward auroral electrojets. 351970
Kamienski, A.
Preparation method of standard plastic scintillators on the base of polystyrene with improved light output. (INR – 1588/15A/D/B) 376636
Kamijo, Fumio
A Monte Carlo calculation of high-energy sputtering. 348834
Kamikawa, Tomoyoshi
Paramagnetic centers in neutron-irradiated LiF crystals. 377208
Kamil, H.
Automated generation of spectrum-compatible artificial time histories. 373837

Kamimoto, Goro
Studies on flush mounted electrostatic probe measurements in argon plasma flow. 377481
Kamimura, Hideaki
Development of nondestructive measurement of cold work rate, (1). (PNCT – 831-77-01) 379527
Kamimura, T.
Nonlinear self-modulation of ion-acoustic waves. (IPPJ – 289) 366561
Kamimura, Tetsuo
Computer simulations on the nonlinear frequency shift and nonlinear modulation of ion-acoustic waves. (IPPJ – 266) 366609
Propagation of nonlinear ion acoustic wave with generation of long-wavelength waves. (IPPJ – 297) 366608
Kaminaga, Fumito
Heat transfer model of quenching in reflooding phase. 368105
Kaminaga, Hiroshi
Comparison of measured doses by film badge and other personnel dosimeters. 379342
Kaminaga, Humito
Analysis of LOFT (L1-2) experiment by code RELAP-4J. (JAERI-M – 7037) 355009
Kaminer, N.S.
Study on electromagnetic conditions in the interplanetary space by means of cosmic rays. 356186
Kaminin, A.N.
Membrane potential of mitochondria from the liver of irradiated rats. 373477
Kaminishi, Tokishi
Detection of abnormal value due to uncleanness in thermoluminescence dosimeter element for personal monitoring, (1). 379347
Kaminow, I.P.
Sputtering of polycrystalline InP on CdS and other substrates. 351864
Kaminski, D.J.
Westinghouse high-density spent fuel rack design. 352663
Kaminski, R.
Betatron activation analysis of cupriferous flotation pulp. 355104
Kaminskij, A.A.
Calculation of temperature broadening of the phononless A-line in the sup(4)Fsub(3/2)⟶sup(4)Isub(11/2) luminescence band of Nd^{3+} ion in yytrium-aluminium garnet. 368608
Complex spectroscopic investigations of double molybdates of Ksub(5)Ndsub(1-x)Bisub(x)(MoOsub(4))sub(4)composition. (INIS-mf – 3955) 378302
Crystal field on rare earth ions in garnet crystals. (INIS-mf – 3955) 362163
Determination of phonon density of crystals according to oscillation of satellites of non-phonon lines in luminescence spectra. 371566
Kaminskij, A.O.
Magnetic field configuration in a tokamak with a poloidal divertor. (INIS-mf – 3954) 361510
Kaminskij, M.
Study on the blistering when the helium ion spectrum is close to one expected in CTF. (INIS-mf – 3954) 364027
Kaminskij, N.I.
Four-electrode streamer chamber. (JINR-R – 13-10380) 358398
Kaminsky, A.K.
Calculations of the cross sections of two-electron removal from inner shells of atoms by protons. 377045
Kaminsky, M.
Accelerator system for producing two-component beams for studies of interactive surface effects. (CONF-770949 – 2) 374066
Radiation blistering in metals and alloys. 357409
Radiation effects on solid surfaces. 355928, 357409, 357419
Sputtering of niobium by energetic neutrons and protons: A round-robin experiment. 350569
The wall problem in fusion devices. 368964
Kaminuma, Seiichi
Radiation-induced skin cancer of the hand. 354817
Kamiryo, Tatsuyuki
Isolation of Saccharomyces cerevisiae mutants defective in acyl coenzyme A synthetase. 373767
Kamitsubo, H.
Spin polarization of ^{12}B in the heavy-ion reaction $^{100}Mo(^{14}N, ^{12}B)^{102}Ru$. 351420
Kamitsuma, M.
Experimental studies of the large Debye length probe theory in a continuum plasma. 371909
Kamiya, K.
Electrical conductivity of mixed-cation $Ag_2O - Tl_2O - B_2O_3$ glasses. 357379
Kamiya, Kunio
Method of detecting failed fuels within reactor. 350210
Method of filling with radioactive wastes. 380017
Method of storing radioactive wastes. 380018
Method of transporting radioactive slurry-like wastes. 350392
Kamiya, M.
Directional anisotropy of secondary electron bremsstrahlung induced by proton bombardment of thin solid target. 377041
The ionization of relativistic K-electrons by light ion impact in the MeV energy range. 377131
Kamiya, Y.
New techniques for the treatment of laundry and other low-level liquid wastes. 358496
Kamiyama, S.
Actual status of sodium cavitation studies in Japan. (IWGFR – 9) 352788
Kamiyama, Teiji
Favourable conditions for the formation of basal type uranium deposits. 367373
Kamke, W.
Nuclear spin relaxation in potassium dimers. 353280
Kamkin, A.N.
Investigation of anode-anionic activation of oxidized niobium. 359867
Role of defects of oxide film in the process of anodic-anionic activation of niobium. 378241
Kamliya, R.A.
Time interval-to-digital code converter on intergrated circuits. 361076
Kammash, T.
Multigroup calculations of low energy neutral transport in tokamak plasmas. (PPPL – 1384) 371865
Multigroup calculations of low-energy neutral transport in tokamak plasmas. 371866
Runaway modeling in ORMAK and TNS. (ORNL/TM – 5905) 350820
Theoretical investigations relevant to magnetic fusion energy research. Progress report, January 1, 1977 – January 1, 1978. (CONF-771136 – 25) 377452
Toroidal MHD stability in complex magnetic configurations. 348958
Kammerdiner, L.
Superconductivity in sputtered $CuMo_6S_8$. (N – 77-20206) 357388
Kammerdiner, L.W.
Film deposition of Nb-based A15 superconductors. 351707
Kammerer, B.
Experiments on the determination and limitation of fission and activation product release during core meltdown. (KFK – 2435) 357726
Experiments with simulated large core melts. (KFK – 2435) 357808
Kammerer, O.F.
Correlations between the transition temperature of Nb_3Ge and the normal-state resistivity. 362428
Kammerud, R.
Inclusive production of π^{+-}, K^{+-},p,p-bar in high-energy p-p collisions. 372527
Kamo, Yasuo
Fuel assembly for nuclear reactor. 368036
Fuel assembly. 368122
Kamoi, Itsuma
A functional test of the pancreas with ^{131}I-5-iodomethyl-5-methyl-2, 4-oxazolidinedione (^{131}I-DMO). 354896
Kamoi, K.
Remarks on the classical field theory of tachyons. 363799
Kampp, W.D.
Lifetime measurement in ^{56}Co with the $^{58}Ni(d, \alpha\gamma)^{56}Co$ reaction. 375183
Kamprad, F.
A basis for applying hypoxic hypoxia for optimizing radiotherapy. Information based on animal tests. 379032
Kamykowski, E.A.
Airborne detector improvement. (GJBX – 40(77)) 360165
Kamys, B.
Elastic scattering and neutron transfer reactions with ^{9}Be. 378011
Elastic scattering of ^{9}Be on heavy target nuclei. 372702
Kamyshan, A.N.
Review and discussion of the results of physical start-up investigations of WWER-type reactor cores. 350218
Kamyshchenko, V.D.
Individual sampler for nuclides. (Soviet patent document 421964/A/) 356949
Kamyshev, B.S.
Neutron activation logging for fluorine (NAL – N^{16}). 375992
On the possibility of using activation methods for prospecting of tungsten deposits according to fluorine haloes. 367372
Kamyshov, N.V.
High-current generator of nanosecond pulses of electrons and bremsstrahlung. 370746
Quantum limit to determination of interaction potentials by fast beam scattering method. (INIS-mf – 3915) 348644
Kamzolova, S.G.
Action of an ionizing radiation and hydrodynamic effect on matrix properties of DNA during extracellular synthesis of RNA, and thiophosphate protection of matrix properties of T2-DNA against γ-radiation. 370322
Kamzolova, Z.A.
Development of the process of radiation vulcanization of calendered rubber products using the "Electron-3" accelerator. (INIS-mf – 4194) 376284
Kanada, Hiroyuki
Effect of the Pauli principle and channel coupling on the nuclear reaction, 3. 354075
Kanaev, B.I.
Stabilization of the drift-cone instability (DCI) by low-energy ions. (INIS-mf – 3963) 371901
Kanagawa, Akira
Value function and separative power for asymmetric separation process. 373909
Kanagawa, Tadashi
Estimation of spacial geo-stress components in rock samples by using the Kaiser effect of acoustic emission. 349895
Kanai, Hisakata
Application of dual radioisotope techniques and image subtraction methods for diagnosis of lung cancer. 367695
Evaluation of dual radioisotope techniques for the diagnosis of lung diseases. 379185

Kanai, Kimiyo
Phenomenological analysis of nucleon diffraction dissociation in the Drell-Hiida-Deck model. 353823
Kanai, T.
Reduction of releases of radioactive effluents from light-water power reactors in Japan. 367762
Kanai, Yasuji
Energy degradation matrix for inelastic scattering of neutrons. 349097
Kanai, Yoshio
Metabolism of 6-chloro-5-cyclohexyl-1-indancarboxylic acid (TAI-284), a new non-steroidal anti-inflammatory agent, after repeated administration in rats and mice. 349881
Kanamori, Naokazu
Coil supporting device. 366574
Kananishi, Nobuzi
Absorption of water extract of chromium ore dross from skin and gastrointestinal tract. 352167
Kanao, Keisuke
Noninvasive detection of regional myocardial perfusion abnormality with ^{201}Tl and ^{81}Rb. 349863
Kanapilly, G.M.
Biliary excretion of ^{144}Ce after inhalation of ^{144}Ce citrate in rats and Syrian hamsters. III. (LF - 56) 365442
Effect of acidity on the retention and distribution of inhaled $^{144}CeCl_3$. (LF - 56) 365434
Generation of uniform density transuranium oxide aerosols by gas phase neutralization of acidic droplets. (LF - 56) 365326
Method for removing trace contaminants from multicurie amounts of ^{144}Ce. (LF - 56) 365401
Monodisperse aerosols of ^{244}Cm oxides: preparation and evaluation of dissolution properties. (LF - 56) 365433
Solubility of plutonium dioxide aerosols, in vitro. (LF - 56) 365451
Toxicity of inhaled ^{91}Y in fused aluminosilicate particles in beagle dogs. VII. (LF - 56) 365441
Kanarik, U.K.
Dependence of the activity of the lactate dehydrogenase in the blood plasma of mice on the functional activity of the intact thyroid and an irradiated thyroid. (INIS-mf - 3912) 373530
Gamma irradiation effect on the activity of alkaline and acid phosphates in the blood plasma of mice and its modifications due to changes in the thyroid activity. (INIS-mf - 3912) 373552
Kanasaki, S.
Sealing boric acid solutions with mechanical seals in nuclear service. 370883
Kanasheva, M.Ya.
Microstructure effect on the process of 12Kh1MF steel destruction under creep. 349445
Kanashvili, N.V.
Crystals-liquid and crystals-vapor equilibrium in the rare earth chloride-aluminium chloride systems. 375522
Physicochemical and spectral investigations into neodymium complexing in the $NdCl_3$ - $AlCl_3$ system. 349268
Kanato, Kunikazu
Method of controlling power-up in a reactor. 368055
Kanaya, K.
Some applications of ions beam sputtering to high resolution electron microscopy. 364036
Kanazawa, Tamotsu
The large radiation dosimetry with Perspex, (3). 361038
Kanazawa, Toshio
Method and apparatus for condensing radioactive rare gases by means of use of ejector and selective adsorption and desorption process including cycles. 350393
Kanazawa, Y.
On-board refrigeration system. 360630
Kanbe, Hiromi
Radiochemical management of reactor coolant. 350206
Kancheev, O.D.
Failure peculiarities of hot-pressed beryllium during testing on impact strength, statical tension and fatigue. 373214
Kanda, K.
Thermal neutron standard field with a Maxwellian distribution using the KUR heavy water facility. 379384
Kanda, Kazutaka
Absolute fission ratio measurements with semi-conductor fission chambers. 355534
Kandalov, V.P.
Synthesis and analitical properties of some oxybenztropolones. (INIS-mf - 4192) 375290
Kandaswamy, J.
Gauge boson mixing in an SU(3) x U(1) theory. 353842
Kandaurova, G.S.
Sloping cylindrical domains in $YFeO_3$. 358906
Kandil, A.T.
Excitation function of ^{238}U bombarded with deuterons and protons. 372770
Properties of excited states in ^{102}Pd. 372785
Kane, G.L.
Parity violations in hydrogen and the fundamental structure of the weak current. 361341
The possibility of a (c,s) vector current and $D \rightarrow K^* l\gamma$. 353843
The search for the A_1 meson. 356424
What should the Price - Anderson Act accomplish. 376839
Kane, J.P.
Irradiated BWR fuel channel disposal. 357754
Survey and evaluation of handling and disposing of solid low-level nuclear fuel cycle wastes. (PB - 269491) 371196
Kane, J.R.
Radiative muon capture in calcium. 351365
Kane, P.P.
Compton scattering of 1.12 MeV gamma rays by K-shell electrons. 361917
Gamma ray attenuation measurements. 369398
Multiple scattering of 12 to 40 MeV heavy ions through small angles. 361362
Kane, R.D.
Improvement of sulfide stress cracking resistance of 12% chromium stainless steels through heat treatment. 362299
Kane, V.E.
National Uranium Resource Evaluation program. Uranium geochemical survey in the Crystal City and Beeville Quadrangles, Texas. 365284
A new approach for geochemical surveys of large areas for uranium resource potential. 365251
Kane, Y.D.
Formation constants of chelates of 7-nitro-8-hydroxyquinoline-5-sulphonic acid with yttrium and some lanthanides. 351498
Kaneda, Ken-ichiro
Irradiation experiment of FUGEN PuO_2-UO_2 fuel assembly in SGHWR, 1. (PNCT - 831-77-01) 379716
Kaneda, T.
The plasma parameter of a positive column in a transverse magnetic field. 356125
Kaneda, Yasumasa
Ultra-compact AVF cyclotron, (2). 350069
Kanegae, N.
Safety evaluation of the Monju steam generator. (CONF-761001 - P2) 362951
Kaneko, H.
Current density profile of noncircular tokamak. (INIS-mf - 3963) 372062
Migration rate of lenticular voids in UO_2 under the influence of temperature gradient. 370112
Kaneko, Hiromitsu
Image analysis of nuclear fuel, (2). (PNCT - 831-77-01) 379571
Image analysis of nuclear fuel, (3). (PNCT - 831-77-01) 379567
Image analysis of nuclear fuel, (4). (PNCT - 831-77-01) 379575
Kaneko, Hiroyuki
Thermal decomposition of gadolinium(III) carbonate. 359626
Thermal decomposition of gadolinium(III) oxalate. 359625
Kaneko, Itsuo
Effects of gamma-ray irradiation on rabbit lens. 360263
Kaneko, Kumetaro
Isotope separation of argon by axial flow turbo-machine, (1). 372952
Kaneko, Masao
The study of safety control for the professional personals in the large dose treatment of $Na^{131}I$. 355062
Kaneko, Mitsunobu
Fuel assembly. 350163
Spacer for a fuel assembly. 379570
Kaneko, N.
Linear waves in a radiating and scattering grey medium. III. 349003
Kaneko, Osamu
An experimental study on mass separation by plasma centrifuge. 354339
Simultaneous temperature measurement of ionospheric plasma and neutral atmosphere with K-10-11 rocket. 349683
Kaneko, S.
Relativistic corrections to the electric multipole polarisability and the shielding factor of a hydrogen-like ion. 361366
Kaneko, T.
Radiative electron capture by backscattered ions from solid surfaces. 371634
Kaneko, Toshio
In-water searching device. 368106
Kaneko, Tsuneo
Effect of the Pauli principle and channel coupling on the nuclear reaction, 3. 354075
Kaneko, Yoshihiko
Present art of reactivity determination. 360770
Kanellopoulos, E.J.
Expressions of the S-matrix for a large class of potentials over the complex k-plane. 371393
Kanellopoulos, Th.V.
Expressions of the S-matrix for a large class of potentials over the complex k-plane. 371393
Kanero, Takahiro
On high temperature strength of carbon steels. 367252
Kanetkar, S.M.
Determination of isomer shift calibration constant for ^{57}Fe Moessbauer isotope. 366428
Kaneto, Kunikazu
Pressure tube type reactor. 360940
Kanevskaya, E.A.
Scaling and charge ratio in the energy range 1-10 TeV. 361667
Kanevskij, I.N.
Materials testing methods using focussed ultrasonic waves. (INIS-mf - 3914) 349399
Physicochemical and technological investigations of separation of aqueous-organic extraction emulsions in systems with TBP in ultrasonic field. (INIS-mf - 3914) 349237
Kang, J.S.
Infrared regularization of the massless scalar free field in two-dimensional space-time via Lorentz expansion. 361271
Kang, K.
Comment on the Glashow-Weinberg theorem. 359274
Test of flavor-changing neutral currents from elastic neutrino- and

antineutrino-proton scattering. 359273
Kang, S.-H.
The enthalpy of formation of samarium trifluoride. 351508
Kang, S.W.
Unsteady jet-slug dynamics. (UCID – 17580) 367764
Kangas, J.
Correlated electron precipitation and magnetic IPDP events near the plasmapause. 367431
Kangin, R.A.
On the electronic excitation of laser materials with high concentration of rare earth activators. (INIS-mf – 3955) 361425
Kanhere, D.G.
Systematics of the electron momentum distributions in some 3d transition metals. 364046
Kanhere, V.N.
Radioactive tracer studies at the port of Cochin for location of dumping grounds. 367395
Kania, M.J.
ORR irradiation experiment OF-1: accelerated testing of HTGR fuel. (ORNL – 5234) 365953
Kanibolotskij, V.G.
Magnetostriction of armko iron in relation to magnetic field intensity. 375842
Kanitkar, P.L.
Recrystallization of lanthanum hexaboride by radiation heating and electron bombardment. 367091
Kanivetsky, R.
Design of a groundwater sampling network for Minnesota. (GJBX – 1(78)) 378862
Kankanyan, S.A.
Facility for experiment on the investigation of charge composition of primary cosmic radiation in the energy range 20-10000 GeV/nucleon by the XTR-detector. (EFI – 177(23)-(76)) 350285
Utilization of XTR detector for hadron identification in polarization measurements in hadron-hadron interactions. (EFI – 130(75)) 361017
Kankeleit, E.
Backbending behaviour of rotational bands in ^{163} ^{165} ^{167}Yb. 362094
Backbending behaviour of rotational bands in ^{163}Yb, ^{165}Yb and ^{167}Yb. (ZfK – 336) 364820
In-beam-spectroscopy of subnanosecond delayed conversion electrons with a new recoil shadow technique. (ZfK – 336) 364738
Magnetic hyperfine anomaly in muonic ^{193}Ir. 364802
Positron production in superheavy ion-atom collision systems. 353181, 376966
A search for positron emission from atomic collision processes. (ZfK – 336) 364737
Kanki, T.
Chew-Frautschi plot and string structure of baryons. 353844
Kanki, Takeshi
Large psub(T) pion production and clustered parton model. 353845
Kanlybaeva, Zh.M.
Device for the measurement of a probe immersion depth during radioactive reference mark recording in a borehole. (Soviet patent document 462155/A/) 378864
Kannan, V.C.
Two-step annealing of arsenic-implanted <111> silicon. 367334
Kanninen, M.F.
Critical experiments, measurements, and analyses to establish a crack arrest methodology for nuclear pressure vessel steels. Quarterly report no. 9, Oct – Dec 1976. (PB – 269339) 365551
Kanno, M.
Extraction of uranium from sea-water. 365306
Kanno, Takuji
Method of manufacturing a radiation and heat source. 367871
Method of processing radioactive liquid wastes by using zeolites. 350394
Processing of radioactive waste solution with zeolites, (3). 355639
Kano, Eiichi
Hyperthermia and anoxic sensitizer in tumor radiotherapy. 378980
Kano, Kiyomichi
Determination of O/M ratio for mixed oxide fuel, (3). (PNCT – 831-76-01) 379798
Kano, T.
Thermal ratchetting mechanism under cyclic alternating cold and hot shocks with constant primary load. 358066
Kano, Takashi
Reactor vessel structural response tests at FBR hypothetical accident. 355450
Kano, Yoshio
Annular duct single-phase induction electromagnetic pump. 349996
Kanofsky, A.
Observation of channeling of negative pions of 4GeV/c momentum. 355934
Kanofsky, A.S.
Study of multiparticle jet production using calorimeters and other high energy physics research. Progress report, March 1, 1977 – February 28, 1978. (COO – 2894-07) 377809
Kanoh, S.
Sodium compatibility and corrosion tests for component materials. (CONF-760503 – P2) 352716
Kanomata, I.
Collision-induced dissociation of water cluster ions at high pressure. 353279
A stigmatic second-order, double-focusing mass spectrometer. 371181
Kanski, J.
Photoemission study of coverage-dependent chemisorption interaction between CO and Ir(111). 349520
Kanski, R.
Synthesis of carbon-14 labelled ethyl chloride. 378468
Kansky
Current state of the project of supplying Chemopetrol Trust plants Spolana, Neratovice and Kaucuk, Kralupy with heat energy from the Kojetice nuclear power and heat plant. (INIS-mf – 4055) 368429
Kantan, V.V.
Thermonuclear power plant based on a pulse reactor with a cumulating liner and its competitiveness evaluation. (INIS-mf – 3954) 361555
Kanter, H.J.
Measurement of airborne radioactivity and its meteorolgical application. Part VI. Annual report, 1 August 1974 – 31 July 1975. (NYO – 3425-14) 378940
Kantor, S.A.
Experimental study of the neutron logging data in a thin-layer section. 349659
Kantowitz, B.
Effective operator selection for fossil fuel and nuclear power plants. (EPRI-SR – 28) 352985
Kantsedal, V.P.
On diagnostic techniques for optically non-transparent superdense plasma. (KFTI – 75-19) 377410
Kantserov, V.A.
Direct muon production in proton-nucleus collisions at 70, 50 and 35 GeV. 353942
Longitudinal polarization measurements on direct muons produced in proton-nucleus collisions. 353925
Two-pulse power supply for a large streamer chamber. 358421
Kantseryavichyus, A.Yu.
On the calculation of the iron group ion spectra including pair excitations of the dsup(N)-shell. 377046
Kanukhina, S.V.
Calculation of a real void fraction and temperature in subcooled liquid flow in an annulus. (FEI – 654) 360595
Kanunnikov, V.N.
To the development of induction cyclic accelerators with a stationary guiding field. 357969
Kanyauskas, Yu.M.
Matrix elements of the electric multiple transition and relativistic correction operators in the case of complex configurations. 377047
On the theory of electric multipole transitions in atoms. 368659
Kanygina, E.G.
A study of inelastic pion-nucleus interactions at 200 GeV/c in an emulsion. 356481
Kanygina, O.N.
Influence of low-temperature annealing on structure and destruction character of niobium. 373215
Kanzleiter, T.
Results and evaluation of blowdown experiments in a model containment with a number of compartments. 370936
Kao, N.M.
New improvement in track localization in self-shunted helium streamer chamber. 355527
Kao, P.C.
Radioimmunoassay of human homologous prolactin in serum with commercially available reagents. 362781
Kapahi, V.K.
The angular size-flux density relation. 366711
Kapanadze, A.A.
First-order transition in samarium monosulphide. 375923
Kapcherin, A.S.
Texture evolution at beryllium rolling. 373216
Kapchinskij, I.M.
Combined operation of the I-2 injector into three beam extraction channels. (ITEF – 34) 376371
Development and operation of new units at the I-2 linac in 1973. (ITEF – 10(1975)) 367971
On the force of ion confinement in an accelerated electron ring. (ITEF – 12(1975)) 360726
Proposal for construction of superhigh energy proton accelerators. (ITEF – 11) 376388
Usage of the I-2 linear accelerator in applied studies. (INIS-mf – 4194) 376353
Kapetanakos, C.A.
High-power microwaves from a nonisochronic reflecting electron system. 364223
Numerical simulation of proton rings during static compression and trapping. 364226
Kapil, S.K.
Transport of neutrons during reactor transients. 363384
Kapisovsky, V.
Gamma spektrometry of nuclear power plant coolant. (INIS-mf – 4143) 374336
Kapitonov, V.A.
"Akvagen" pulse electron accelerator. (INIS-mf – 3954) 363146
Kapitsa, P.L.
Energy and physics. 356126
Kapitsa, S.P.
Accelerators in applied physics. (JINR-R – 9-9341) 350068
Kapkanshchikova, I.A.
On interpreting the geophysical exploration data in carbonaceous section stripped at the limestone-bituminous column. 378865
Using electronic computers for a total processing of borehole sections for estimation and exploitation of the fields. 378863
Kaplan, A.M.
Mechanism of alternating copolymerization of sulfur dioxide with donor monomers. 357180

Kaplan, D.
Compact high-field ignition test reactor (HFITR) using bitter magnets. 377375
Kaplan, D.M.
Observation of a dimuon resonance at 9.5 GeV in 400-GeV proton-nucleus collisions. 351221
Observation of structure in the UPSILON region. 369378
Kaplan, E.
Pulmonary ventilation imaging and function studies with krypton-81m. 354938
Radiation dosimetry for krypton-81m. 352335
Kaplan, E.L.
Parathyroid adenoma imaged by Ga-67 citrate scintigraphy: case report. 373640
Kaplan, H.S.
Radiotherapeutic advances in the treatment of neoplastic disease. 354811
Kaplan, J.
Constraints on vector-like models from natural conservation of strangeness in neutral currents. 372370
Kaplan, J.M.
Superfluid fraction and healing length in a confined geometry near T attempts to observe superfluid quantized circulation states. 372334
Kaplan, M.
Nuclear research with heavy ions. Annual progress report, January 1, 1977 – December 31, 1977. (COO – 3246-17) 378016
Kaplan, M.D.
Interference nuclear acoustic resonance in crystals with the Jahn-Teller cooperative effect. 356068
Kaplan, M.H.
Nuclear powered satellite studies. Annual progress report, July 1, 1976 – June 30, 1977. (COO – 4045-2) 352355
Kaplan, S.
Improved nuclear fuel assembly grid spacer. (US patent document 4,021,300/A/) 374257
Locked-wrap fuel rod. (US patent document 4,005,521/A/) 352761
Reliability technology and nuclear power. 357772
Kaplan, S.A.
Spiral density waves as solitons in gaseous or stellar disks. 369124
Kaplan, S.B.
Experimental determination of the quasiparticle energy distribution in a nonequilibrium superconductor. 351766
Kaplan, T.
Lattice vibrations in Rb/sub 1-c/K/sub c/ alloys: Shortcomings of a single-site coherent potential approximation. 359964
Kaplanek, D.W.
Bibliography on ocean waste disposal. second edition. Final report 1976. (PB – 265831) 358536
Kaplashchuk, V.I.
Ionization dosemeter. (Soviet patent document 440622/A/) 355509
Kaplun, Yu.A.
Structure and properties of beryllium bronze after stress aging. 378623
Kaplyanskij, A.A.
Polarized luminescence and the structure of the CaF_2-Yb^{2+} radiative state. 371498
Kapoor, K.K.
Some criteria for evaluation of performance of whole body counting systems. 371122
Kapoor, R.N.
Lanthanum(III), cerium(III), praseodymium(III), neodymium(III) and samarium(III) chloride triethyl phosphate complexes. 359624
Kapoor, S.K.
Current interest in heavy ion reactions involving fusion and fission. 372771
Direct determination of thorium in uranium oxide by X-ray fluorescence. 364860
Infra-red spectrum and normal coordinate analysis of tungsten trioxide. 374609
Kapp, K.W.
Governmental promotion of technologies not harmful to the environment. 366221
Kappauf, H.
Earthquake design of the components of the heat transfer system. 376559
Improving the seismic strength of pipelines and components of the KNK-II heat transfer system. 371013
Plant behaviour during operational transients. 376573
Kappeler, F.
Ion beam surface layer analysis. Vol. 1. 362546
Ion beam surface layer analysis. Vol. 2. 361918
Kappert, H.
High-energy ion-beam-induced luminescence of silicon. 370164
Minority carrier lifetime and defect structure in silicon after cesium implantation. 371682
Kappraff, J.M.
Resistive effects on Alfven wave heating. 366575
Kapshukov, I.I.
Regularity of change in crystal lattice parameters in the series of hexavalent actinide trinitrates. 349337
Studing carbonate compounds of pentavalent actinoids with alkali metal cations. 369768
Kapteijn, E.J.
Study of multistep processes in the (p,d) reaction and inelastic scattering of 24.0 MeV protons on ^{26}Mg. (INIS-mf – 3946) 349130
Kapteijn, J.C.
A novel way to produce ^{52}Fe. (INIS-mf – 4010) 370671
Kapul'tsevich, Yu.G.
Regularities of radiorace formation in yeasts. Comm.8. The role played by heterozygosis of diploid yeasts in radiorace formation. 352016
Kapur, S.
Acute radiation nephritis. Light and electron microscopic observations. 352049
Kapuscik, A.
Excitation functions for ^{24}Mg(α,α)^{24}Mg and ^{24}Mg(α,p)^{27}Al reactions in the energy range of alpha particles from 23.05 to 28.55 MeV. (INP – 881/PL) 372805
Kapuscik, E.
The multiplication law in quantum physics. Pt. 1. The non-relativistic quantum mechanics. 353097
The multiplication law in quantum physics. Pt. 2. 355780
Kapustin, I.N.
Facility for the determination of the cosmic ray neutron component multiplicity factor. (Soviet patent document 433434/A/) 361039
Kapustin, V.I.
Secondary electron emission from an iridium monocrystal. 375890
Kapustin, V.K.
Synthesis and thermal properties of monocrystals of oxygen vanadium bronzes of the Msub(x)Vsub(12)Osub(30+-y) type. 365010
Kapustina, I.B.
Investigation of the radiation-induced polymerization of styrene on fibres in a precipitant. 349350
Kapustinskaya, V.I.
Study of film data processing systems by means of a statistical simulation. (INIS-mf – 3909) 374521
Kapyshev, V.K.
Determination of tritium accumulation in lithium during irradiation with neutrons from a californium source by a scintillation method. (INIS-mf – 3954) 361532
Nuclear transformations in vanadium, molibdenium and niobium base alloys used as structural materials in thermonuclear reactor blankets. (INIS-mf – 3954) 361439
Kara-Ushanov, V.Yu.
Spectrum of Eu^{3+} ion in vanadic garnet. (INIS-mf – 3955) 378303
Karabash, V.A.
The study of radiation swelling in zirconium-hydrogen system. 378812
Karabekov, I.P.
Investigation of structural perfection of semiconductor crystals and heterostructures by means of synchrotron radiation. (EFI – 206(52)-76) 379971
The investigation of the autostabilization of the energy spectrum edge of gamma-quantum beams on electron synchrotrons. (EFI – 204(50)-76) 379503
Karabin, M.
Apparent yearly precession of the Sun. 366718
Karabutov, V.G.
High temperature spectroscopy of monocrystals of refractory oxides. (INIS-mf – 3955) 378304
Spectra of rare earth metaborates monocrystals. (INIS-mf – 3955) 378305
Karachentsev, I.D.
Faint galaxy counts. 369125
Karachevtsev, G.V.
Study on vibrational-translational relaxation in ion-molecule collisions. (INIS-mf – 3915) 348648
Use of a photoionization mass spectrometer for detection of threshold photoelectron spectra. 371165
Karachinskij, V.F.
Experimental water-water reactor. (Soviet patent document 438353/A/) 365998
Karadzhov, A.
Chromosomal aberrations in human lymphocytes in vitro chronically irradiated with different doses of gamma-rays. 367455
Karadzhov, D.
Approximation of the moment of inertia as a function of rotation band energies. (JINR-R – 4-7978) 354076
Karagianes, M.T.
$^{239}PuO_2$ aerosol exposure of miniature swine. (BNWL – 2100(Pt.1)) 360322
Prevention of death from ingested ruthenium-106 by colectomy. (BNWL – 2100(Pt.1)) 360355
Use of ^{85}Sr as an indicator of bone mineral replacement in dogs after disuse demineralization. 362786
Karagodin, V.P.
Changes in the potassium permeability of phospholipid membranes upon radiation-induced peroxidation. 349697
Karakad'ko, V.K.
Spectrum of primary electrons with energies above 3 GeV. 356256
Karakand, Y.
Technetium-99m glucoheptonate in brain-tumor detection: an important advance in radiotracer techniques. 373667
Karakhanov, Eh.A.
Isotopic exchange of some heterocyclic compounds with D_2O on metals of group 8. 369640
Karaki, Hideaki
The mode of contractile action of palytoxin on vascular smooth muscle. 354847
Karakishev, S.D.
Moessbauer study of carbon iron-manganese austenite. 373228
The Moessbauer study of martensite in manganese and nickel steels. 369988

Karakostas, Th.
The ordered state of In_3Te_4. 369968
Karakostov, K.
Use of radionuclides in the study of iron metabolism in iron deficient states. 367686
Karalova, Z.K.
Extraction of actinium by tryoctylphosphine oxide from hydrochloric acid solutions. 357099
Extraction of actinium by tryoctylphosphine oxide from nitrate solutions. 357098
Karam, R.A.
Pressure vessel question. 379262
Karaman, M.I.
Study structure of absorption edge of InSe crystals. 368809
Karamian, S.A.
The feeding times and lifetimes of high-spin levels in ytterbium doubly even isotopes. (JINR-E – 7-9626) 369467
Karamushko, V.I.
Resistance decrease of point contacts under SHF-radiation. (KFTI – 75-33) 353732
Karamyan, S.A.
Life-times of high-spin rotational states of ^{166}Yb. (JINR-R – 7-8531) 359460
Karamysheva, G.A.
Calculation of hydrogen solubility dependence on binary alloy composition by cluster component method. 375843
Karapet'yants, M.Kh.
Solubility of metal chlorides (Me = Ba, La, Nd) in aqueous acetone mixtures at 25°C. 351561
Study of temperature dependence of thermodynamic properties of aluminium, gallium and indium tellurites. 365013
Thermodynamic properties of waterless nitrates of some bivalent metals. 359594
Karapetyan, G.O.
Segregation of the Yb^{3+} ions and structure of glasses of Na_2O-GeO_2-Yb_2O_3 system. 359580
Karapetyan, R.V.
On a negative absorption in an anisotropic plasma. 348932
Karapetyan, V.E.
Combination light scattering in Ca(MoOsub(4))sub(1-x)(WOsub(4))sub(x) mixed crystals. 348797
Karas, R.H.
Observations of long-period pulsations in electron precipitation at 75° magnetic latitude. 367415
Karasawa, Hidetoshi
The electron capture by bromobenzene in the γ-radiolyses of cyclohexane and 2,2,4-trimethylpentane. 367167
Karasawa, Takashi
Ultra-compact AVF cyclotron, (2). 350069
Karasekova, M.V.
Structure of alloying zones of 38KhA and 38KhN3MFA steels and an austenite steel. 375892
Karasev, B.G.
Design of a vacuum chamber for the T-10M facility. (INIS-mf – 3954) 361554
Perspective constructional materials for large thermonuclear installations and directions of primary investigations. (INIS-mf – 3954) 362409
Pulse unipolar generator with a gas support of a rotor. (INIS-mf – 3954) 361494
Technological problems of design of the DTRT (T-20) injectors and techniques of their solution. (INIS-mf – 3954) 361553
Karasev, G.F.
Connection between chemical and electrochemical activities of skeletal nickel catalysts. 369625
Karasev, Yu.A.
Tungsten and molybdenum extraction from electrochemical processing wastes. 351714
Karaseva, L.B.
Investigation of reactions of rare earths with boropyrocatechol violet complex in some surfactants presence. (INIS-mf – 4192) 375353
Karaseva, L.G.
Investigation of optical active centres of the irradiated lithium niobate. 359786
Karassik, I.J.
Nuclear reactor feed pumps profit from fossil-plant experience. 368145
Karasuddhi, P.
Study of integral waste management systems and their effects on the environment in Thailand. Part of a coordinated programme on migration and disperios of radionuclides from storage of radioactive waste under various conditions in the terrestrial environment. (IAEA-R – 1219-F) 358522
Karataev, E.N.
On the content of homologues and isomers of bisethylbenzenevanadium in products from Fischer synthesis. 369729
Karataev, V.D.
Inspection of the surface layer of an article with a one-side access using high-energy electrons. 373951
Karatsyuba, A.P.
Peculiarities in formation of dislocation loops in silicon following ion implantation of boron and phosphorus and subsequent annealing. 367336
Karavaev, G.F.
Some specific features of a surface-screw plasma instability in semiconductors. 350879
Karavaev, Yu.N
Investigation of electric conductivity of solid electrolytes of ZrO_2 + Sc_2O_3 and ZrO_2 + Y_2O_3 containing additions of iron oxide or chromium oxide. (INIS-mf – 4189) 375474
Karavaeva, E.N.
Behaviour of radioactive and stable isotopes of calcium in the soil-solution-plant system at different soil humidity. 376147
Karayannis, M.I.
Instrumental neutron activation analysis of "melian" potsherds. 372863
Karaziya, P.I.
Calculations of the shifts of an X-ray line in the nonrelativistic and relativistic approximations. 377048
Karaziya, R.I.
Investigation into the influence of U_{92} chemical state on the energy of X-ray emission L-transitions. 349327
Karb, E.
Investigations of fuel rod failure in the second heatup phase of a LOCA. (KFK – 2435) 358191
Results of FR-3 in-pile experiments on fuel rod behaviour during LOCAS. (AED-Conf – 77-403-006) 376205
Karbainov, Yu.A.
Study of ethanol-aqueous solutions used in amalgam extraction polarography with accumulation. 378125
Study of fast chemical reactions in solutions of complex ions by amalgam polarography with accumulation. 369695
Karbainova, S.N.
Study of ethanol-aqueous solutions used in amalgam extraction polarography with accumulation. 378125
Karban, A.F.
Acoustic emission testing of samples under external static load. 349411
Karban, O.
Energy dependence of analysing power in elastic and inelastic scattering of ^{3}He by ^{12}C. 372772
Scattering of polarised and unpolarised ^{3}He by ^{3}H and high excitation in ^{6}Li. 372825
Tensor analysing powers of (d,p) reactions on ^{28}Si, ^{67}Zn, ^{90}Zr and ^{208}Pb at 12.3 MeV. 377964
Karbovs'ka, Yi.V.
The influence of the impurities upon the optical and electrical properties of the cesium bromide single crystals depending on the obtaining conditions. 377154
Karcher, R.
Temperature dependence of Knight shift and susceptibility of single crystal molybdenum. 371624
Karcz, W.
A method of lithium concentration measurements in glass samples using the ^{7}Li(p,n)^{7}Be reaction. (INP – 889/PL) 371662, 378151
Karczewska, Z.
Possibilities of heart damage during roentgenotherapy. 367524
Kardashev, A.V.
Sheat fish and Baltic cod. 367675
Kardashina, L.A.
Presowing gamma irradiation of seeds as a method to increase cucumber fruitfulness in the hot house. 360253
Kardon, B.
The study of the (n,α) and (n,γα) reactions on ^{143}Nd. 356677
Kardos, J.
Isotope effect in hydogen atom abstraction from substituted phenols by polyvinyl acetate radicals in vinyl acetate. 351567
Karelin, E.P.
Development of the nuclear power industry in the USSR. 366134
Karelin, V.V.
Distribution of Dy, Ho and Er impurities during directed crystallization from SrF_2 and BaF_2 melts. 369641
Optical-spectroscopic investigation of CaF_2-Gd, Eu monocrystals. (INIS-mf – 3955) 377263
Karesh, S.M.
Chemistry of technetium phosphonate complexes. (INIS-mf – 4010) 357081
Karetnikov, A.S.
Positron annihilation in silicon and gallium arsenide monocrystals with surface treatment. 348756
Karetnikov, D.V.
VA characteristics of thermoionic converters with lower temperature emitters. (IAE – 2464) 366785
Karev, A.I.
Electron linear accelerator for a cutted microtron. 360707
Split microtron as an injection for the Pakhra synchrotron. 357929
Kar ınkel, U.
Phase and sign conventions in particle-gamma angular correlations. 359410
Karger, F.
Influence of a resonant helical octopole field on the Pulsator tokamak plasma. (INIS-mf – 3963) 371910
Models for the influence of resonant helical windings on tokamak discharges and for the current decay following the disruptive instability. (INIS-mf – 3963) 371919
Karibyan, E.Eh.
Extraction-photometric determination of some metals in the form of different-ligand complexes. (INIS-mf – 4192) 375357
Karieva, R.A.
Behaviour of trace elements in case of complex doping of. 378729
Karim, A.B.M.F.
A clinical review on dose response in radiotherapy for laryngeal carcinoma. 362701
Karimaeki, V.
A search for the I peak at 2.60 GeV/c² in 12 GeV/c anti pp interactions in the CERN 2m HBC. 377781
Strange particle production in three- and four-body final states of 16 GeV/c π^+p reactions. 353944

Karimov, Kh.K.
Radioactive elements in hast rocks and hydrothermally altered rocks o kokpatass ore field. 349664
Karimov, R.G.
Excitation of the hydrogen Balmer lines in He-H_2 mixture. (INIS-mf – 3915) 348691
Karimov, S.
Temperature dependence of the Hall coefficient and thermo-electromotive force in $CdTl_2Se_4$ monocrystals. 367136
Karimova, D.K.
Identification and positions of some objects considered as globular clusters of the M31 Andromeda nebula. 377620
Karin, L.V.
^{235}U and ^{239}Pu cross sections for fission by 2, 24, 55 and 144 keV neutrons. 378082
Kariyone, Shigeo
Thrombokinetics. 370442
Kark, G.S.
Effect of chemical constitution on radiation embrittlement of perlitic steels. (INIS-mf – 4190) 375939
Statistical analysis of a combined effect of nickel copper and phosphorus on irradiation embrittlement of pearlite steels. 360057
Karkhanavala, M.D.
Release of iodine from sintered thoria pellets at low temperatures. 373370
Karklit, A.K.
Corundum crucibles for aluminium evaporation in vacuum. 351832
Karl, G.
Electron-positron annihilation: unitarity, scaling and electrodynamics at high energies. 364519
Hyperfine interactions in negative parity baryons. 372440
Pseudoscalar- meson masses in a quark model. 369298
Karlau, J.
Production of H-atom and O-atom beams by a cooled microwave discharge source. 350602
Karlberg, Olle
A composite dose calculation model for local, regional and global atmospheric dispersion. 370558
Karliner, M.M.
The NAP-M proton storage. 379481
Karlov, A.A.
Basic trend of development of the JINR computer centre. 368486
Computer code simulating minicomputer operation on a large computer. (JINR – 11-9558) 376757
Solution of analysis and synthesis problems for the electromagnetic system of an electron-beam source of multicharged ions. (JINR – 11-9525) 350061
Karlov, N.V.
Effect of laser irradiation of superconducting materials on the basis of niobium on the character of critical temperature change. 361759
Efficiency of a selective two-step laser action upon an atomic beam. 363074
Karlsson, B.G.
Optimal rate of power increase in nuclear fuel. Pellet behaviour under dynamic conditions. (STU – 73-5901) 363446
Karlsson, B.R.
On-shell three-body multiple scattering equations. 377901
Karlsson, E.
The g-factors of the first 2^+ states in ^{50} ^{54}Cr, ^{54}Fe and ^{70}Ge. 362059
Gyromagnetic ratios of first 2^+ states in ^{126} ^{128} ^{130} ^{132}Xe. 356688
Karlsson, S.E.
Morphologies of rf sputter-deposited solid lubricants. 348754
Karlysheva, K.F.
Acid properties of zirconium and hafnium mandelates. 351512
Karmanov, V.A.
Wave functions of relativistic bound systems. 348593, 375116
Karmanova, L.P.
Stability of complexes of Mg, Zn and Cd with mesoporphyrin in medium of tertiary butyl alcohol – trichloacetic acid. 378251
Karmendy, C.V.
CO_2 laser irradiation of solid targets in strong magnetic fields. 368955
Karmohapatro, S.B.
Sputtering of iron under molecular ion bombardment. 371602
Karnachev, A.S.
NMR frequencies for Fe^{57} nuclei in the range of spin reorientation in crystals of mixed composition orthoferrites. 374784
Relaxation of NMR signal near the point of reorientational phase transitions of the second type in rare-earth orthoferrites. 355941
Karnakuhov, V.A.
Delayed proton emission and nuclear structure studies. 354218
Karnaukh, I.M.
Mean traquency measurer. (Soviet patent document 473138/A/) 376686
Karnaukhov, A.S.
$Tb(ClO_4)_3$-$CS(NH_2)_2$-H_2O system at 25 deg C. 351499
Karnaukhov, E.N.
Luminescent properties of yttrium silicates activated by cerium at various forms of excitation. (INIS-mf – 3955) 377264
Karnaukhov, V.A.
Ion source with surface ionization for a mass separator on a heavy ion beam. 371155
On polarization effects in reactions induced by heavy ions. 372628
Karner, D.B.
Instrumentation programs for nuclear power-plant sites. 362849
Karnes, C.H.
Fabrication of graphite matrix fuel for pulsed reactors. (LA-UR – 77-465) 350274
Karnesky, R.A.
Computerized x-ray radiographic system for fuel pellet measurements. (HEDL-SA – 1274) 365915
Karney, C.F.F.
Stochastic ion heating by a perpendicularly propagating electrostatic wave. 358969
Three-dimensional effects in the non-linear propagation of lower-hybrid waves. 372019
Karnovich, T.S.
Way of treatment of molybdenum-base alloys. (Soviet patent document 437811/A/) 375814
Karo, A.
Formation processes and secondary emission coefficients for H^- production on alkali-coated surfaces. (UCRL – 80098) 371493
Theoretical determination of bound – free absorption cross sections in Ar^{2+}. 350469
Karolczak, S.
Effects of very high dose-rates on solvated electron yields (extended abstract). 359787
Karolczyk-Kostuch, S.
The inactivation of oxytocin by 254 nm radiation. 367451
Karolis, C.
Electron impact dissociation cross sections in hydrogen and deuterium, leading to Balmer alpha and beta emission. 374623
Karow, H.U.
Calculational and experimental approaches to the equation of state of irradiated fuel. (KFK – 2493) 367326
Karowski, M.
Complete S-matrix of the massive Thirring model. 369299
Karp, S.N.
Curves along which plane waves can interfere. 351169
Karpachev, S.V.
Measurement of impedance of some gas electrodes in solid electrolyte based on zirconium dioxide. (INIS-mf – 4189) 375621
On nature of maximum of electric conductivity in solid electrolytes based on zirconium dioxide. (INIS-mf – 4189) 375466
Zero potentials of some metallic electrodes in solid oxidic electrolytes. 375545
Karpainen, A.
Practical approach to the transfer of nuclear technology. 352564
Karpekov, Yu.D.
High-voltage pulse generator for wire spark chambers. (IFVE-PEF – 75-130) 361077, 363616
Karpenko, A.I.
Some problems of disperse medium use in heat exchangers. (INIS-mf – 3952) 367912
Karpenko, G.V.
Isopiestic investigation of solutions of tributyl phosphate (TBP) and $TBPxHNO_3$ complexes in benzene at 25 deg. 349234
On the adsorption-induced fatigue of structural steels in the presence of alcohols. 359829
Variation of plastic deformation resistance of metals under high-frequency vibrations. 369970
Karpenko, N.N.
Output organization of a graphic image of events detected by filmless devices. (JINR – 10-8992) 353022
Karpenko, N.V.
Tensimetric study of $PbCl_2$-(Rb,Cs)Cl binary systems. 349235
Karpeshin, F.F.
Muon conversion of gamma radiation of nuclei. 359411
Karpikhin, I.L.
Automation spectrometric facility. (ITEF – 14(1975)) 361043
Karpinos, D.M.
Heat conductivity of the composite material based on powders and iron and copper fibers. 370090
Karpinovitch, Z.
Radiation dose to the breast in mammographic examinations. (INIS-mf – 4052) 376127
Karpinskaya, N.P.
Composition and properties of cosmic radiation on mountain altitudes. 361668
Karpinskij, D.N.
Theory of tough propagation of a crack in fibrous composite material. 349554
Karpinskij, O.G.
Phase transformations in quenched germanium telluride. 375844
Preparation and study of solid monocrystals of solutions based on Sb_2Te_3 and Bi_2Te_3. 369889
Thermal expansion of germanium telluride. 375869
Karpinsky, V.N.
Two-dimensional spatial spectrum of the photospheric brightness field near to the solar disc center. 356264
Karplyuk, K.S.
Diffraction of a surface wave on a half-plane between plasma and dielectric. 364210
Karpman, V.I.
Two-dimensional self-modulation of a whistler wave propagating along the magnetic field in a plasma. 350880
Karpov, A.V.
Some aspects of cleaning and transport of spent fast reactor fuels. (IAEA-AG – 63-14) 368234
Karpov, E.F.
Applying acoustic waves for removing sulfate sediments on the heat exchange surfaces. (INIS-mf – 3914) 350196
Karpov, I.I.
On increasing of the accelerated nuclear beam intensity in proton linear accelerators. (JINR – 9-9592) 357939

On the enhancing nuclear beam intensity in proton linear accelerators. (JINR – 9-9592) 357940
Karpov, M.I.
Combined steel hardening using fine grain austenitizing. 357331
Influence of austenite grain size on mechanical properties of chromium-nickel structure steels. 349532
Karpov, S.V.
Orientation melting and pre-transition in ordered phases of cesium and rubidium nitrates. 353447
Karpov, V.L.
Features of radiation chemical processes in ethylene-styrene copolymers. 354438
Infrared and ultraviolet spectroscopic studies of low-temperature radiolysis of ethylene – styrene copolymers. 369795
Investigation of free-radical processes in low temperature radiolysis of copolymers of ethylene with styrene. 357164
On mechanism of protective action of styrene links in gamma-irradiated copolymers of ethylene with styrene. 349356
Some features of chemical-radiation processes in the system of polyfunctional monomerpolyvinyl chloride. 369780
Karpov, V.N.
Systems formed by Ag, In and Sc tungstates. 364997
Systems formed by Tl, In and Sc tungstates. 364996
Karpov, Yu.A.
Certain properties of silicon alloyed with gadolinium. 365154
On carbon and oxygen impurities content in tungsten. 351715
Second phase inclusions in silicon doped with samarium. 362375
Karpova, I.V.
Semiconductor material for a particle detector. (Soviet patent document 436306/A/) 355538
Karpova, O.I.
Vanadium (5) complexes with benzoylhydrazine and their use in analysis. 372914
Karpova, V.N.
On a biological action of Am 241 administered intratracheally. 360323
On a biological action of neptunium. 360324
Karpovich, N.V.
Action of fractionated X-irradiation, continuous and a combination of continuous and acute (Co^{60}) γ-irradiation on the catechol-amine content of the cardiac muscle of rats. 370351
Karppinen, J.
Spatial reactor control methods. 368058
Karpukhin, A.I.
Kinetics of tantalum-niobium minerals decomposition with sulfuric acid. 351500
Karpukhin, E.P.
Studying structure characteristics of Zr_5Al_4(h) intermetallic compound. (INIS-mf – 3839) 367255
Karpukhin, V.I.
Radiation effect on thermal and electric conductivity of reactor graphite. (IAE – 2702) 349598
Karpukhina, T.A.
An electron spin resonance study of the low-temperature radiolysis of ion-exchange resins. 357156
Karpunin, A.M.
On the evaluation of the possibilities of field neutron activation fluorimetry in prospecting for tin fields. 354652
Karraker, D.G.
Moessbauer spectra and magnetic susceptibilities of neptunium chlorocompounds. (DP-MS – 77-45) 373020
Moessbauer spectra of Np(V) – Cr(III) and Np(V) – Rh(III) complexes. (DP-MS – 77-21) 359735, 378306
Moessbauer study of NpI_3-$K_2C_8H_8$ reactions. 369743
Karras, M.
Si Ksub(α) X-ray emission spectra of Si, SiC, SiO_2 and Si_3N_4. 361359
Karsanov, G.V.
Changes in the structure and mechanical properties of the two-phase alloy VKh4 in the process of plastic deformation. 365158
Karsch, K.R.
Volume curves of the left ventricle at rest and during excercise, determined with nuclear medicine methods. (INIS-mf – 4010) 362825
Karson, S.
Validity study of the 16PF in terminal air traffic control work. (EPRI-SR – 28) 352957
Karsono
Numerical solution of differential equation with Runge-Kutta method. (PPGM – L97-76) 366216
Karsten, G.
The fuel element of the LMFBR. (KFK – 2416) 367605
SNR-carbide program: its position between present and future. 379769
Kartashev, N.P.
On fission neutron logging by threshold detectors. 375989
Kartasheva, L.I.
Pulse radiolysis of aqueous solutions of sodium o-iodo-hippurate. 369791
Kartasheva, T.A.
Narrowband photoelectric observations of the eclipsing binary CQ Cephei. 364350
Kartashova, N.A.
Americium extraction by vinylene diphosphine dioxides. 378489
Kartavtseva, A.G.
Study of complexes of tributyl phosphate with rare earth chlorides. (INIS-mf – 4195) 375475
Kartazaev, V.A.
Effective cross sections of dissociation of $5p^5\ ^2Psup(0)sub(1/2)$ metastable atoms in collisions with iodine molecules and oxygen atoms. (INIS-mf – 3915) 348723
Kartazayev, V.A.
Quenching of metastable iodine atoms in collisions with iodine molecules and electrons. 353328, 377096
Kartel', N.T.
Investigation of radiation cross-linking of polyethylene in heterogeneous systems. 354424
Study of the features of radiation chemical synthesis of aminoacids from mixtures of ordinary gases in adsorbent surface layer. 378522
Kartenko, N.F.
Phase transformation with electroconductivity jump in V_3O_5 without change of crystal lattice symmetry. 350739
Kartmazov, G.N.
Chromium coatings effect on mechanical properties of titanium. 349435
Kartsev, L.V.
Combined operation of the I-2 injector into three beam extraction channels. (ITEF – 34) 376371
Development and operation of new units at the I-2 linac in 1973. (ITEF – 10(1975)) 367971
Karttunen, S.J.
Parametric instabilities in laser heating of magnetically confined plasmas. 366576
Kartuzhanskii, A.L.
Recombination processes during excitation of AgCl:Me^{2+} crystals by ionizing radiation. 371625
Kartuzhanskij, A.L.
Primary processes of radiation stimulated formation of silver phase in AgHal crystals. 373083
Kartvelishvili, V.G.
Relative yield of D mesons in hadron collisions. 377742
Karus, E.V.
On significance of repeated geophysical exploration in cased wells and necessity of its timely realization. 349632
Karuza, J.
Experience with the construction of Yugoslavia's first nuclear power plant. 360914
Karve, V.M.
Status of thorium technology. 365267
Karvonen, L.G.
rf system for the PEP storage ring. 363132
Karwat, H.
Analytical simulations in the field of two-phase-flow. 376307
Salzbourg 1977. 355711
Karzmar, R.C.
High-density fuel storage for boiling water reactors. 352632
Kas'yan, V.T.
Cheosing radiometer optima parameters for crush ore enrichment using combined method. 349657
Kas'yanov, V.V.
Experimental study of temperature fields into lanthanum trifluoride crystals growing by Czochralski method. 357055, 362206
Kas'yanov, Yu.S.
Electron-optic methods with the use of plastic scintillators for studies in the x-ray region. 353530
Kasahara, Izumi
Balloon observations on the lunar occultation of the hard x-ray source in the Crab Nebula. 348993
The precise measurement of nebula by utilizing the lunar occultation. 377608
Spectroscopic observation of cosmic soft x-ray. 353682
Kasahara, Masayuki
Studies on the welding of heavy-section ASTM A542 Cl. 1 steel for large-sized pressure vessels. 373152
Kasai, Hiroaki
Vibration-resisting device in a reactor core. 360894
Kasai, S.
Reduction of power loss due to heavy impurities in Diva. (INIS-mf – 3963) 372098
Kasai, Satoshi
Intensity calibration of a vacuum monochromator in a wavelength region of 1000-2000A and spectroscopic measurement in DIVA. (JAERI-M – 7217) 366635
Kasai, Shigeru
Two-dimensional shielding benchmarks for iron at YAYOI, (1). (UTNL-R – 0032) 366910
Two-dimensional shielding benchmarks for sodium and iron at YAYOI. (UTNL-R – 0042) 366909
Kasatkin, A.P.
On the relaxation of electron energy in electron-hole plasma of indium antimonide. 368810
Kasatkin, A.V.
Oxidation of silicide coatings on niobium and its alloys VH-2 and VH-3. 351680
Kasatkin, Eh.V.
Electrochemical properties of titanium-ruthenium alloys in the processes of anodic synthesis. 378411
Kasatkin, V.I.
Investigation into protective ability of oxide films on pearlite steel. 349505
Kasatkina, N.F.
Plastic deformation and fracture behaviour of high-strength steels under tensile stresses. 375836
Kasatkina, V.G.
Investigation into protective ability of oxide films on pearlite steel. 349505
Kasatochkin, S.V.
Investigation of local compressibility of gadolinium ion

surroundings in fluorite crystal by double electron-nuclear resonance method at high pressure. (INIS-mf – 3955) 377209
Kaschemekat, J.
Reverse osmosis seawater test facility on board NS Otto Hahn. 354321
Kaschiev, M.S.
Calculation of the electric field spatial distribution for rectangular electrodes. (JINR – 9-9184) 358009
Kaseev, M.N.
Conductive shells compression in pusle high magnetic fields. (IAE – 2624) 356079
Kasha, H.
Determination of the neutron-proton ratio in primary cosmic rays. 350974
Kasha, M.
Molecular excitons in small aggregates. 361368
Kashaev, R.S.
Nuclear magnetic relaxation in the Ti-Nb-H system. 375837
Kasharskij, Eh.G.
Problems of development and application of power supplies based on electromachine electric generators with inertial storages. (INIS-mf – 3954) 361542
Kashcheev, V.D.
Electrochemical machining of the VKh6 alloy. 362355
Kashcheev, V.M.
Calculation of a real void fraction and temperature in subcooled liquid flow in an annulus. (FEI – 654) 360595
Calculation of hydrodynamic characteristics of two-phase annular dispersed flow. (FEI – 549) 349972
Calculation of the reactor core temperature field in case of two-dimensional or three-dimensional coolant flow. (FEI – 649) 376421
Calculation of the velocity profile in a two-phase flow in a dispersed-annular regime. 373993
Cellular body model application to thermohydraulic calculations of reactors and heat exchangers. 370792
Kashcheeva, A.V.
Effect of preparation technology and deformation conditions on the plasticity of alloy ZhS6KP nigots. 351799
Kashchuk, V.A.
The effect of transition metals additions on the temperature coefficient of linear expansion of titanium and vanadium. 359952
Kashida, Yoshihiko
Measurement of tritium and carbon-14 in environmental samples, (2). (KURRI-TR – 138) 350304
Studies on drug metabolism by use of isotopes, 19. 359556
Kashihara, H.
Safety features of the fuel monitoring facility for handling irradiated fast breeder reactor fuels. 360704
Kashima, Sadamitsu
Image analysis of nuclear fuel, (2). (PNCT – 831-77-01) 379571
Image analysis of nuclear fuel, (3). (PNCT – 831-77-01) 379567
Kashin, V.I.
To the problem of reduction of molybdenum and tungsten alloyed with rhenium. 349400
Kashina, N.I.
$2CsCl\text{-}CaCl_2\text{-}CsNO_3\text{-}Ca(NO_3)_2H_2O$ system at 25 deg C. 351467
Kashireninov, O.E.
Kinetic parameters of gas-phase reactions of alkaline earth metals with nitrogen monoxide. 375476
Kashiwagi, Hiroshi
High-efficiency high-power lasers. 366652
Laser isotope separation. 354389
Kashkarov, L.L.
Energy spectrum of iron-group nuclei in solar radiation according to track studies of lunar grounds delivered by the Luna-16 and Luna-20 automatic stations. 356265
Kashlev, Yu.A.
Equations of nonequilibrium statistical thermodynamics and quantum theory of channeling. (INIS-mf – 3995) 377210
Kashnikov, N.I.
Investigation of hardened titanium (al'fa + beta)-alloys deformability. 351777
Kashparova, O.D.
Using some oxyanthraquinones for extraction-photometric determination of cerium(3) and yttrium(3). (INIS-mf – 4192) 378089
Kashuba, I.E.
Degrees of freedom accounting in neutron width distribution in statistical theory of nuclear reactions. 351285
Rotational single-particle states of odd nonaxial nuclei. (KIYI – 76-2) 356611
Using the statistical theory for prediction of cross-sections of neutron inelastic scattering by nuclei. (INIS-mf – 3897) 356618
Kashukeev, N.
Uranium determination in biological samples by means of solid state track detectors. 373609
Kashukeev, N.T.
Experimental study on interaction of ultracold neutrons with metals and gases. (INIS-mf – 3895) 353448
Investigation of the very cold neutron cross section for some metals and gases. 375083
Kashy, E.
Excitation of giant resonance in ^{90}Zr by inelastic ^{6}Li scattering. 362085
Kasilov, V.I.
Formation of disorder regions in silicon affected by high-energy gamma-quanta. 348795
Lifetime dependence of excess carriers on the intensity of their excitation by accelerated electrons. (KFTI – 75-35) 353397
Measurement of the efficiency of semiconductor radiation damage affected by a pulsed electron beam. (KFTI – 75-35) 353395
Measurements of excess carrier lifetime in semiconductor radiation study. (KFTI – 75-35) 353396
Kasim, S.A.
A devised light absorption method for measuring fast neutron fluences and gamma doses in mixed radiation fields using a cellulose acetate detector. 363562
Kasiraj, P.
Strongly damped collisions of 197 MeV ^{12}C projectiles. (ORO – 3924-29) 364767
Kaske, K.
Guidance and process computers in power plants. 371166
Kaslina, N.A.
On interaction of molybdenum(6) with resarson and 2,2',4'-trihydroxy-5-chlorazobenzene. 369552
Kaspar, G.
Radiochemical process for the highly sensitive sipping test. 370940
Kasparek, G.
Determining pressure build-up in THTR-300 plant compartments after primary pipe breaks using the DANZ computer code. 370951
Kasparova, O.V.
Effect of non-metallic inclusions on the local corrosion of steel-KH17 and steel-KH28 in sulfuric acid. 351666
Kasper, K.
Assessment of underground siting of a nuclear power plant with PWR as an engineered safety feature. 352255
Consequences of ultimate sequences of HTGRs. 352189
Results of critical evaluation of the AIPA study. 370970
Kasper, L.
Photoelectron spectra of the noble metals. 353401
Kasper, U.
Remarks on Khalatnikov-Lifshits type theorems. 350484
Kasperczuk, A.
Plasma-focus dynamics investigations by means of multiframe interferometry and shadowgraphy. (INIS-mf – 3963) 371812
Kasperek, K.
Application of the brittle fracture technique (BFT) to homogenise biological samples and some observations regarding the distribution behaviour of the trace elements at different concentration levels in a biological matrix. 372876
Behaviour of trace element concentration in human organs in dependence of age and environment. 375327
Changes in trace element concentrations in human serum after parenteral application of amino acids. 369525
Determination of certain selected bulk and trace elements in the bovine liver matrix using neutron activation analysis. 375305
Distribution of trace element organs of mice of different inbred strains. 369571
Kaspersen, F.M.
Labelled chloroquine analogs for the detection of ocular melanoma. (INIS-mf – 4010) 362227
Kasperskij, A.V.
Thermal conductivity of irradiated polyethylene filled by fibre glass. 349363
Kaspin, A.I.
OSK-3 point display for the 1010VM mini computer. (ITEF – 63) 350344
Kasprzak, K.S.
Mechanisms of dissolution of nickel subsulfide in rat serum. 352109
Kasprzyk, A.
Electron paramagnetic resonance in HgCrsub(2-x)Alsub(x)Se_4. 377211
Kass, R.D.
Extraction of average multiplicities of high-energy off-mass-shell $\pi\pi$ and $K\pi$ scattering. 359338
Microprocessor controlled scanning and measuring of bubble chamber film. 379880
Kass, W.J.
Acoustic emissions during hydride formation. (SAND – 77-0481C) 351671
Hydrogen embrittlement of thermomechanically treated 18Ni Maraging steel. (SAND – 77-1087C) 373110
Kassabji, F.
Conditions of ignition of the power superposition between two plasma generators. 353571
Kassan, S.S.
Demonstration of activation of B lymphocytes in New Zealand black mice at birth by an immunoradiometric assay for murine IgM. 373674
Kassen, W.R.
Oxygen monitoring and control in BWR plants. 374208
Kassis, N.I.
on the construction of model-space effective operators. 356615
Kassner, D.
Mechanical design of ISABELLE magnet cryostats. 363270
Kassner, T.F.
Compatibility of ferritic steels in a sodium environment. (CONF-760503 – P2) 352732
High-temperature deformation and rupture behavior of internally-pressurized Zircaloy-4 cladding in vacuum and steam enivronments. (CONF-770708 – 16) 365535
Uniaxial tensile properties of Zircaloy containing oxygen: summary report. (ANL – 77-30) 373190
Kastanaev, V.M.
Determination of the fields of controlled metal transfer in pulsed-arc welding with consumable electrodes. 349403

Kasten, P.R.
Evaluation of plutonium, uranium and thorium use in power reactor fuel cycles. 368446
Gas-cooled reactor programs. High-temperature gas-cooled reactor base-technology program progress report for July 1, 1975 – December 31, 1976. (ORNL – 5274) 368170
High-temperature gas-cooled reactor safety studies. Progress report for January 1, 1974 – June 30, 1975. (ORNL – 5183) 365912
Overview of gas-cooled reactor systems: Their importance and their interactions. 379684
Thorium utilization program progress report, July 1, 1975 – September 30, 1976. (ORNL – 5266) 357200
Kastenberg, W.E.
Coupled fission gas release and molten fuel motion model for slow overpower transients. 352226
An experimental study of the molten glass/water thermal interaction. Topical report. (PB – 267579) 357727
Mechanistic study of fuel freezing, channel plugging, and continued coolability during fast reactor overpower excursions. (NUREG – 0310) 352310
Natural convection in horizontal fluid layers. (PB – 267376) 357822
Reactor safety in the nucelar engineering program at UCLA. 379263
Risk assessment in the absence of complete data. 354995
Role of wall heat transfer and other system variables on fuel compaction and recriticality. (CONF-761001 – P3) 365539
Solidification of a sphere with internal heat generation and convective cooling at the surface. 352216
Study of fuel freezing and channel plugging during hypothetical overpower transients. (CONF-761001 – P4) 363044
Thermal radiation effects on subassembly wall failure in fast reactors. 352286
Kastner, S.O.
On three-dimensional reconstruction of optically thin solar emission sources. (N – 77-27056) 377621
Prediction and identification of some transitions associated with 2psup(k) and 2psup(k-1)3l configurations in six-, seven- and eight-electron ions. 355888
Kastorskaya, N.N.
Method and device for measuring dynamic characteristic data of materials. (German (F.R.) patent document 2348000/C/) 367994
Kastrup, H.A.
Caratheodory's canonical theory for fields and the problem of quark confinement. 353098
Kasuga, T.
B-clock system for the KEK main ring. 363271
Beam lifetime in the initial operation of KEK main ring. 363134
Kasuga, Tsutomu
Comparative study on radiosensitivities of cultured cell lines derived from several human tumors under hypoxic condition. 360222
Kasumov, K.A.
Determination of oil- and gas-bearing intervals in cased boreholes by nuclear geophysical methods. 349633
On the evaluation of porosity and the nature of the effusive rock saturation of the Muradkhanly area (from complex exploration-geophysical studies). 362585
Kasuya, H.
Trace element abundances in stone artifacts and related materials from Japan by neutron activation analysis. 372912
Kasymov, A.K.
Ion transport in roots of cotton seedlings under the effect of gamma-radiation. 378998
Kaszper, B.W.
Comparative evaluation of the levels of metallothionein-like proteins, cadmium and zinc in the liver and kidneys of rats. 367630
Kaszper, W.
Organ distribution and excretion of manganese in animals intratracheally treated with manganese dioxide ($^{54}MnO_2$) dust. 373593
Kataev, V.G.
The levels of irradiation of the inhabitants of Vyborg due to natural γ-background of the territory and the buildings. 349886
Katagiri, Koitsu
Radiosensitivity, mutation and tetraploid induction in the gamma-ray-irradiated growing shoots in mulberry, Morus alba L. 349726
Katagiri, Masaki
Data processing for the multichannel pulse height analysis system ND-50/50, (1). (JAERI-M – 6989) 350305
Katamadze, N.M.
On the mechanism of formation of radioactive aerosols in the horizontal channels of an IRT nuclear reactor. 351439
Katanics, G.
Special structural engineering and construction features of nuclear power plants. 352521
Katano, Rintaro
Effect of gamma radiation on gate trigger current of thyristors. 350387
Katanuma, Nobuhiko
A new factor from enteric bacteria of rats amplifying induction of liver enzyme by glucocorticoid. Pt. 2. 360376
Kataoka, Takeshi
Extraction of cadmium by high molecular weight alkylamines. 359628
Extraction of uranium by trioctylamine. 359627
Kataov, G.I.
Magnetostriction of intermetallic compounds of rare earths with iron of Laves phase type. 373161
Katashkin, V.I.
Method for multiple plan application for construction of mathematical models of complicated objects. (INIS-mf – 3909) 374528
Katayama, Hiroshi
Separation of alpha-nuclides from HLLW, (1). (PNCT – 831-76-01) 378480
Katayama, Nobuo
Favourable conditions for the formation of basal type uranium deposits. 367373
Katayama, Y.B.
Thermal and radiation effects on borosilicate waste glasses. 358494
Katayama, Yoshishige
Phenomenological equations for reacting fluids. (IPPJ – 290) 366495
Katayanagi, Daijiro
Pressure tube type reactor. 360940
Katcoff, S.
Probabilities of muon induced nuclear reactions involving charged particle emission. 372832
Katemann, H.
Construction work on the site. 376569
Operating manual and safety specifications. 376565
Kates, M.R.
Isotopic perturbation of degeneracy. Carbon-13 nuclear magnetic resonance spectra of dimethylcyclopentyl and dimethylnorbornyl cations. 378387
Isotopic perturbation of resonance. Carbon-13 nuclear magnetic resonance spectra of deuterated cyclohexenyl and cyclopentenyl cations. 378388, 378389
Katgert-Merkelijn, J.K.
Westerbork surveys of radio sources at 610 and 1415 MHz. 366780
Katgert, J.K.
Identifications from the WSRT deep surveys. 366712
Spectral index studies of extragalactic radio sources. 366713
Katgert, P.
Spectral index studies of extragalactic radio sources. 366713
Westerbork surveys of radio sources at 610 and 1415 MHz. 366780
Katheder, H.
Cryogenic installation for the energy storage experiment 'ESPE2'. 360631
Kathol, W.
KNK-II spent fuel element management. 376576
Operational tests. 376584
Kathuria, S.P.
Thermoluminescence mechanisms in lithium fluoride. 365236
Thermoluminescence response of LiF to gamma rays. 366023
Kati, S.L.
Innovations in PHWR design, integration of nuclear power stations into power systems, and the role of small nuclear power plants in a developing country. 371001
Reactivity requirements and safety systems for heavy water reactors. 371000
Katinger, T.
Neutron physical investigations on the use of burnable poisons and gray absorber rods in large pressurized water reactors. (BMFT-FB-K – 77-07) 370909
Katinov, Yu.V.
π^- C^{12} interaction followed by neutral particle production at 40 GeV/c. (ITEF – 6) 353933
Automatic monitoriting of the intensity of a particle beam from the accelerator target. (ITEF – 23) 350053
Characteristics of neutron scintillation counters based on photomultipliers of the type K14FS-5O and FEU-63. (ITEF – 34) 350287
Technique for absolute calibration of neutron spectrometers with time – of flight counters. (Soviet patent document 432439/A/) 358339
Katinova, L.V.
Conditions for producing tensile adhesion of reinforcing fibers to matrix in plasma semi-products of composite materials. 365127
Fabrication of sheets of composite materials with brittle filament without destructing them during rolling. 357227
Katircioglu, B.
Electronic and optical parameters of an oxygen-related centre in ZnTe. 370171
Katiyar, H.C.
Integrated planning for a fuel industry, with emphasis on the minimum size appropriate for fabricating one's own fuel. 365829
Katkov, V.M.
Anomalous magnetic moment of electron in a magnetic field. 348574, 355721
On a possibility of the use of magnetic converters to produce polarized electrons and positrons at ultrahigh energies. 355072
Operator approach to quantum electrodynamics in an outer field. (JINR-D – 1,2-9342) 355722
Katkovskij, E.A.
Wave processes in hydrosystems. (IAE – 2491) 367907
Kato, Akio
Crystal growth of zirconium carbide by chemical vapor deposition. 359703
Zirconium-nitride powders by the vapor phase reaction of $ZrCl_4$-NH_3-H_2-N_2 system. 354359
Kato, E.
Measurements of small ion currents in magnetic scanning type mass spectrometers. 363625
Kato, H.
Absorption of high energy electrons in liquid medium. 354021
Absorption of high energy electrons in liquid nitrogen. 356549
Safety evaluation of inlet-tube break for a pressure tube type reactor. 376554

Kato, Hideki
Studies on simulating equation of integral dose for 60-cobalt irradiations. 373894
Kato, Hidemasa
Nuclear design and its development for FUGEN. (PNC-N – 341-76-09) 350241
Kato, Hiroaki
Method and apparatus for decontamination of apparatuses contaminated by radioactivity. 367817
Kato, Isamu
Time variation of internal plasma parameters in microwave-pulse-excited He-Kr^+ ion laser. 353572
Kato, Masaomi
Distribution of Fe-bleomycin, Co-bleomycin in tumor tissue. 373778
Kato, Nobuo
Two assimilation pathways of C_1-compound in Streptomyces sp. No.239 during growth on methanol. 354939
Kato, R.
Absorption of high energy electrons in liquid medium. 354021
Absorption of high energy electrons in liquid nitrogen. 356549
Kato, Shohei
Design of shielded voltage divider for impulse voltage measurement. 350363
Kato, Shoji
The growth of density correlation in an oscillating spherical stellar system. 349004
Kato, T.
Effects of chloramphenicol and caffeine on postreplication repair in $uvrA^-umuC^-$ and $uvrA^-recF^-$ strains of Escherichia coli K-12. 376078
Isolation and characterization of mutants of Escherichia coli deficient in induction of mutations by ultraviolet light. 376079
Kato, Takako
Spectroscopic observation of cosmic soft x-ray. 353682
Kato, Toshimitsu
Clinical use of ^{201}Tl myocardial scintigraphy. 349872
Kato, Toshiro
An outline of the high flux reactor ISOL (on-line isotope separator) project. (KURRI-TR – 146) 378078, 379839
Selective inhibition of the demethylation at C-14 in ergosterol biosynthesis by the fungicide, Denmert (S-1358). 349845
Kato, Toyoaki
Multielement analysis of deep-sea sediments by photon activation. 359559
Kato, Y.
High power glass laser system "Gekko" for fusion research. (IAEA – 200) 353655
Kato, Yasuyoshi
Control rod assembly. 368217
Fuel assembly. 379816
Kato, Yoshiharu
Extraction-spectrophotometric determination of zirconium with chlorophosphonazo III. 367060
Kato, Yoshinori
Performance evaluation and fundamental problem of the ACTA scanner. 374331
Kato, Yoshio
Density and temperature variation in the exosphere derived from the orbital decay of satellite TAIYO. 349679
Estimation of population doses from stomach mass screening, 1975. 379337
Observations of the geomagnetic pulsations at the polar cap and the auroral zone in Canada, N.W.T. 349686
Katoh, Hisashi
Production of ^{198}Au grain for radiotherapy. (JAERI-M – 7209) 379369
Katoh, K.
A comprehensive model for retention of exotic nuclides. 360325
Katoh, Shunsaku
Adsorptivity of uranium by aluminium-activated carbon composite adsorbent. 349325
Properties and uranium adsorptivity of the aluminium-activated carbon composite adsorbent and aluminium hydroxide. 378469
Katoh, T.
Control computer system for KEK proton synchrotron. 363272
Cross sections of the $^{63}Cu(p, 3n)^{61}Zn$ and the $^{63}Cu(p, p3n)^{60}Cu$ reactions. 359512
Katoh, Toshiro
On-line isotope separator and various studies using it. (KURRI-TR – 145) 377948, 378004, 378147, 379488, 379990
Katok, V.L.
Estimation of carbonate reservoirs of East Turkmeniya from the lateral-logging and neutron-gamma logging data. 360146
Katomina, R.I.
Investigation of radiation and excitation spectra and peculiarities of roentgenoluminescence of oxysulfides activated by terbium. (INIS-mf – 3955) 362147
Katomina, R.V.
Energy yield of roentgenoluminescence of polycrystal phosphors. 368797
Katou, T.
The dependence of multiple inner-shell ionization on the projectile energies and on target elements by nitrogen-ion bombardment at the energy above 4 MeV/amu. 353180, 376964
Katrasev, V.V.
Uranium-238 films for targets. (JINR-R – 13-9783) 363111
Katrunova, E.A.
Study of the vacuum-UV spectrum of a supersonic krypton jet excited by an electron beam. 353377
Kats, F.
Experimental study of extensive air showers with particle number from 10^5 to 10^6. 362622
Kats, L.N.
Peculiarities of deep decarburization in Fe-Cr-C and Fe-Mn-C melts during argon (nitrogen)- oxygen flow-down. 357233
Kats, M.E.
Cosmic ray interaction with magnetized plasma (propagation, modulation, acceleration). 356177
Small-scale structure of solar corpuscular fluxes and cosmic ray fluctuations. 356217
Kats, M.M.
Changes in the arrangement of equipment for the ITEP secondary particle channels. Acceptable sizes of particle sources and estimations of tolerances for parameters of elements in the ITEP universal channels. (ITEF – 18) 376356
Katsarskij, L.N.
Energy spectrum of primary cosmic radiation in the energy range from 10^{13} to 10^{16} eV. 361706
Katsaurov, L.N.
Fast neutron generator. (Soviet patent document 402945/A/) 355078
Katscher, W.
Coated particle fuel element for pressurized water reactors. 365892
Coated particles fuel element for pressurized water reactors. 379654
Studies on graphite oxidation in case of air ingress into the HTR spherical-core primary circuit. 370967
Katsman, Yu.Ya.
The effect of scattering indicatrix approximation and of constants representation on the results of calculating characteristics of iron-shielded neutron fields. 377841
Katsnel'son, A.A.
Short-range order in metallic alloys. 373209
Katsnel'sovn, A.A.
Ordering in Se-Te solid alloys. 361454
Katsobashvili, Ya.R.
Kinetics of n-decane hydrocracking on Al_2O_3-MoO_3-NiO catalyst. 378272
Relation of reaction rates of n-decane and methylnonanes during hydrocracking of hydrocarbons on oxide alumonickelmolybdenum catalyst. 378273
Katsube, Yasuhiro
Electron-microscopic changes in squamous cell carcinoma of the uterine cervix following linac irradiation. 349762
Katsunuma, Haruo
Cesium-137 and potassium contents in low-teens in areas of different fall-out levels in Japan. 355053
Katsura, Kyozo
Radioactive springs in the Kinki District and their radon sources, 2. 354689, 354690
Katsura, M.
The solubility of hydrogen in Nb-Mo alloy. 354523
Katsurai, M.
An approximate theory of steady-state and dynamic characteristics of alpha-particle-heated DT-fusion reactors. 348959
Katsurayama, K.
The prediction of the behavior of long-lived radionuclides through a saturated sandy layer. 370279
Katsurayama, Kosuke
Behavior of radioactive nuclides in saturated sandy layers. (KURRI-TR – 144) 349624
Environmental radioactivity study group symposium. (KURRI-TR – 147) 379004, 379074, 379108
In-place tests of exhaust equipment in nuclear facility. (KURRI-TR – 148) 350401
Report of the symposium on radioactivity measuring methods. (KURRI-TR – 138) 350304
Studies on the movement and distribution of uranium in the environments. 349801
Study-meeting report on movement of radioactive materials in the environment. (KURRI-TR – 144) 349624, 349645
Transportation of long-lived radionuclides in soil water. 354650
Katsuta, H.
Air contamination effects on the compatibility of liquid lithium with molybdenum, TZM, niobium, stainless steels, nickel and Hastelloy N in stainless steel vessels at 600°C. 373217
Katsuyama, K.
Improvement on removal of radio-cobalt from waste water by ferric hydroxide coagulation-flocculation process using diethyldithiocarbamate. 366082
Kattein, J.
Measured angular distributions of proton compton scattering at photon laboratory energies of 700, 750 and 800 MeV. (BONN-HE – 77-17) 364583
Katuya, M.
$\Delta I = 1/2$ rule and Glashow-Iliopoulos-Maiani current with unconfined color. 351170
Characteristic high-energy neutrino reaction in the coloured-quark model. 353846
Katyal, Mohan
Spectrophotometric determination of Fe(II), Co(II), Fu(III) and Ir(III) with 5-nitroso-2,4, 6-triaminopyrimidine. 349188
Katyshev, S.F.
Density, surface tension and viscosity of melts of uranium trichloride-lithium chloride. 349320, 359727
Density, volumetric properties and surface tension of three-component systems of uranium chlorides with alkali metal chlorides. (INIS-mf – 4193) 375632

Katz, F.
Loads on a PWR core shell after break in the reactor coolant pipe. 370913
Katz, J.I.
The nature of Aquila X-1. 374936
X-rays from spherical accretion onto degenerate dwarfs. 351032
Katz, J.J.
Isotope chemistry and biology. 352063
Katz, L.R.
Emergency core cooling system for a nuclear reactor. (US patent document 4,064,002/A/) 379235
Fuel transfer system for a nuclear reactor. (US patent document 4,053,067/A/) 368020
Shrinkage voids in reactor vessel plate materials. 365783
Katz, M.E.
Cosmic ray kinetics in space. 353674
Katz, R.
Supralinearity in nuclear research emulsions. 360104
Theory of RBE. Progress report, January 1, 1977 – December 1977. (COO – 1671-73) 365352
Track theory applied to physical, chemical, and biological systems. 361943
Katzenmeier
Material and strength investigations on the pressure vessel and pipeline system of the HDR (EV 2000). 368103
Katzenmeier, G.
Stresses on the reactor pressure vessels in tests under operational or accident conditions in the HDR test programme. 370917
Katzmann, H.
Handling of spent fuel elements at the Kalkar nuclear power station. 371041
The handling system. 376588
Kauffer, E.
A tight-binding model of the ZnS F-centre. 370204
Kauffman, G.F.
Analytical capability of the uranium hexafluoride mass spectrometer. (GAT-T – 2657) 351443
Kauffman, P.
Critical assessment of radioisotopic methods used in the evaluation of pherispheral blood flow. 365468
Kauffman, R.L.
Properties of plasma oxidized GaAs films. 368754
Surface scattering of MeV He^+ ions from Si and W single crystals. 368775
Kauffmann, S.K.
Long range imaginary optical potential in elastic scattering. (LBL – 6588) 372358
Kaufman, A.N.
Effects of beat-wave electron trapping on stimulated Raman and Thomson scattering. (UCID – 17582) 364181
Ponderomotive force and linear susceptibility in Vlasov plasma. 350812
Kaufman, H.R.
Accelerator-system solutions for broad-beam ion sources. 361369
Kaufman, J.H.
Indium chloride bone-marrow scanning in advanced prostatic carcinoma. 357635
Kaufman, J.J.
Angular size of the Crab Pulsar at 74 MHz. 356206
Measurements of the solar wind velocity and compact radio source structure from 74-MHz interplanetary scintillations. 372197
Reaction of Cl^+ with D_2. 366346
Kaufman, L.
Polarized radiation for XRF of elements with Z=47-57. 378126
Kaufman, M.
Young massive galactic halos at large redshifts. 351033
Kaufman, M.I.
Uranium-isotope variations in groundwaters of the Floridan aquifer and boulder zone of South Florida. 373434
Kaufman, S.B.
Energetic charged particle yields induced by pions on complex nuclei. 359494, 378009
Kaufmann, E.N.
Annealing behavior of In implanted in Si studied by perturbed angular correlation. 351895
Kaufmann, F.
Lab-scale and pilot-plant experiments on the solidification of high-level wastes at the Karlsruhe Nuclear Research Centre. 358483
Kaufmann, H.H.
Spin-parity analysis of the diffractively produced low-mass Nπ systems in the reaction $\pi^- p \rightarrow \pi^+ (N\pi)^+$ at 16 GeV/c. 369382
Kaufmann, M.
The influence of anisotropic ion pressure on non-symmetric toroidal high-beta equilibria. (INIS-mf – 3963) 371964
Kaufmann, P.
A qualitative discussion on the possibility of gravitational instabilities at the origin of explosions in magnetospheres. 372198
4.7s nearly periodic oscillations superimposed on the solar microwave great burst of 28 March 1976. 356266
Kaufmann, Q.K.
The validity of an integral representation of the semiclassical S-matrix for multiple coulomb excitation of heavy-ions. 375091
Kaufmann, W.B.
Strong interaction effects in hadronic atoms. 351171
Kaufmann, W.J. III
Cosmic frontiers of general relativity. 377622
Kaugerts, J.
Operating experience with the HEUB superconducting dipoles. 363327
Kaul, A.
Internal absorbed dose from administered radiopharmaceuticals. 357616
Kaul, B.L.
Induced mutagenesis in the genus Atropa. 373646
Kaul, C.L.
Recurrent Forbush decreases and relationship between active regions and M-regions. (BARC – 931) 372264
Kaul, G.L.
Charged particle multiplicity in 400 GeV/c p-nucleus interactions in nuclear emulsion. 372498
Kaul, K.
Method for the regeneration of activated carbon. (German (F.R.) patent document 2534122/A/) 375935
Kaul, M.L.H.
Radiation genetic studies in garden pea. IV : genetic improvement of pea protein through mutation breeding. 367647
Kaul, O.
Photoproduction of pions on polarized protons and neutrons in the second resonance region. (BONN-HE – 77-11) 369342, 372502
Kaul, R.K.
Gauge mapping theorem for the classical Rohrlich string. 371394
Quantization of a massless spinning string in a timelike gauge. 368553
Kaul, Ravi
India's nuclear spin-off. 376845
Kaul, S.K.
Practical attitude of the physicist in case of accidental external radiation exposure. 367728
Kaul, U.K.
Polymorphism and electrical behaviour of yttrium thin films. 378652
Kaul, V.K.
Curious resistivity behaviour of vacuum evaporated Er, Dy and Gd films. 366462
Kaulfersch, H.
Flow rate measuring techniques and their application. 366050
Kaun, K.H.
Anisotropy and angular distribution of quasimolecular K X-radiation emitted in Ge+Ge collisions. 355871
Kaun, L.
On some experiments by means of inelastic neutron scattering at the IBR-30 pulsed reactor. (JINR-R – 14-9790) 374624
Kaune, W.T.
$^{239}PuO_2$ aerosol exposure of miniature swine. (BNWL – 2100(Pt.1)) 360322
Laser-generated $PuO_2 - UO_2$ condensation aerosols. (BNWL – 2100(Pt.1)) 360184
Kaur, J.
Spin distributions in the quark parton model. 353847
Kaur, P.
Induction of resistance to blast disease (Pyricularia oryzae) in the high yielding variety, Ratna (IR8xTKM6). 373719
Kaur, S.
Induction of resistance to bacterial leaf-blight (Xanthomonas oryzae) disease in the high-yielding variety, Vijaya (IR8 x T90). 373725
Induction of resistance to blast disease (Pyricularia oryzae) in the high yielding variety, Ratna (IR8xTKM6). 373719
Kaus, P.
Linearly rising soliton trajectories. 358646
Kausch, S.
Exposure during work in the controlled area of the Biblis A nuclear power plant. 370637
Radiation exposure during work in the controlled area of Biblis A nuclear power plant. 370638
Kaushal, R.S.
Quark confinement potential and the quark – diquark model for nucleons. 372443
Kaushanskij, D.A.
Gamma-plant for microbiological and biochemical studies. (Soviet patent document 193027/A/) 370684
Investigation into radiation-catalytic alkylation of benzene under pressure. 373078
Radiation-catalytic alkylation of benzene. 373077
Kaushik, S.C.
Effect of self-focusing on parametric back-scattering and absorptive instabilities in a plasma. 368991
Kaushinskij, D.A.
Gamma-plant. (Soviet patent document 357597/A/) 370678
Kaut, W.
Exposure during work in the controlled area of the Biblis A nuclear power plant. 370637
Radiation exposure during work in the controlled area of Biblis A nuclear power plant. 370638
Kautska, I.
Radioprotective efficacy and the action of the mexamine-cystamine mixture on the respiration exchange in mice. 365387
Kautska, J.
Radioprotective and hypothermic effect of adeturone on mice. 367505
Kautsky, H.
The ^{137}Cs content in bottom sediments of the Baltic Sea. 354883
Water movements in the North Sea. 357514
Kautz, H.R.
Report on the non-destructive testing conference. 358017
Kavanagh, M.T.
Irradiated nuclear fuel transport from Japan to Europe. 360687
Kavchenko, A.V.
Computer code simulating minicomputer operation on a large

computer. (JINR – 11-9558) 376757
Kavenoky, A.
Finite element depletion diffusion calculation method with space-dependent cross sections. 374118
Kavenoky, Alain
EXCALIBUR – A multigroup code for the solution of the slowing-down transport equation in heterogeneous fast neutron media. (CEA-N – 1995) 359353
Kaverin, N.S.
Fine structure of the S-component of solar ratio emission in the frequency range from 4.5 to 7.0 GHz. 364351
Kaverin, V.V.
Chemical reaction of cycloalkenes with silane derivatives. 359717
Kavetskii, A.G.
Recombination processes during excitation of AgCl:Me^{2+} crystals by ionizing radiation. 371625
Kavich, I.V.
Roentgenographic and x-ray-spectral study of lanthanum digermanide. 357284
Kavimandan, V.D.
Determination of magnesium at trace levels by isotope dilution. 364837
Lead tracer technique for the accountability of plutonium (LEADTRAP). (BARC – 904) 376848
Kavlakov, Sht.
Directional anisotropy of cosmic ray intensity. 356267
Kaw, P.
Alfven instability and micromagnetic islands in a plasma with sheared magnetic fields. (PPPL – 1358) 358957
Kaw, P.K.
Drift-convective cells in a nonuniform plasma with magnetic shear. (PPPL – 1351) 350894
Lower hybrid parametric instabilities: Nonuniform pump waves and tokamak applications. 364170
Stability and magnetic tearing of finite-β modified drift waves. (PPPL – 1376) 364179
Kawabe, R.
Analysis of radiant heat transfer in a BWR fuel assembly. 358197
Kawabe, T.
Measurements of dispersion relation of waves in a turbulently heated plasma by microwave scattering method. (IPPJ – 291) 366590
Observation of current driven ion sound wave in a turbulently heated plasma (the MACH II). 356078
Observation of current-driven ion sound wave in a turbulently heated plasma (THE MACH II). (IPPJ – 274) 353506
Kawabe, U.
Field-emission and field-ion microscopy of lanthanum hexaboride. 351826
Kawade, Kiyoshi
Preliminary test of KUR-ISOL. (KURRI-TR – 146) 379839
Kawagaki, Kyozo
The fluorometric determination of indium with 8-quinolinethiol. 359715
Kawaguchi, Ichiro
An interpretation of hydrogen and helium line spectra of the loop prominence observed on November 3, 1973. 349012
Kawaguchi, Osamu
Device for cooling and controlling a reactor container. 379585
Reactor vessel structural response tests at FBR hypothetical accident. 355450
Kawaguchi, Takao
Patterns of scaling violation and the proton-neutron mass difference. 353848
SU(4) symmetric duality approach to deep inelastic processes and its relation to quark parton model. 353849
Kawahara, Akira
Core construction of a reactor. 368107
Kawahara, M.
Changes in fatigue crack shape during growth. (IAEA – 189) 360807
Kawahara, Seiji
Description of aerosol release associated with sodium burning. 372968
Kawahara, T.
A note on the Lagrangian method for nonlinear dispersive waves. 366577
Kawai, H.
Studies on the characteristics of nuclear spark counting. 355557
Kawai, Hiroshi
Comparison of monitoring methods for environmental γ-radiation dose rate. 358381
Studies on the movement and distribution of uranium in the environments. 349801
Kawai, Keiichi
Endoscopical studies on radiation proctitis using dye spraying method. 349770
Kawai, S.
Thermionic work function of LaB_6 single crystals and their surfaces. 351839
Kawai, Tadahiko
Structural reliability and its proving in reactor technology. 374151
Kawai, Y.
Measurements of the electrical conductivity in a plasma with current-driven ion-acoustic instability. 377416
Observation of anomalous resistivity caused by ion acoustic turbulence. 371911
Tubulence spectrum of the ion acoustic wave in a large volume plasma. 356127
Kawajiri, M.
Surface densities of states for normal photoemission from Mo(110) and W(111). 374725
Kawajiri, Nobuhiro
Observation of linear polarization of variable radio sources at 7.2 cm. 359102
Observations of linear polarization of the Crab nebula during an occultation by the solar corona, (2). 349005
Kawakami, Hirokane
Electric monopole and quadrupole matrix elements for the K sup(π)=0⁺ bands in ^{154}Gd. 359541
Kawakami, Katsuyuki
Study of skin contamination with radioactive substances. 379127
Kawakami, Masahito
The transformation of human peripheral mononuclear cells in diffusion chamber cultures. 373490
Kawakami, Tomohide
Evaluation of radiation cross sections of K x-rays and application to measurement of metal impurity densities in high-temperature plasma. (JAERI-M – 7196) 368971
An intrinsic germanium Ge(I) detector for measurements of soft x-ray spectra radiated from high temperature tokamak plasmas. 358972
Kawakishi, Shunro
Radiation-induced degradation of D-glucose in anaerobic condition. 359788
Kawakoami, T.
Reduction of power loss due to heavy impurities in Diva. (INIS-mf – 3963) 372098
Kawakubo, T.
KEK booster to main ring beam transfer system. 363142
Synchronous transfer of beam from the booster to the main ring in the KEK proton synchrotron. 363275
Kawalec, M.
Radioiodination of L 1210 cells. 373657
Kawamata, H.
Migration rate of lenticular voids in UO_2 under the influence of temperature gradient. 370112
Kawamata, Hiroshi
Examination of compatibility between fuel and cladding. (PNCT – 831-76-01) 380126
Kawamura, Hiroshi
Development of gas-cooled fast reactor and its thermo-hydraulics. (JAERI-M – 7319) 379770
Kawamura, Hisao
Deposition of ^{90}Sr in bone and the relevant dose. (NIRS-M – 14) 379098
Kawamura, J.
Investigation of intrarenal blood flow and urine flow aspects by scintillation camera. 360375
Kawamura, K.
Model of the radio emission mechanism in pulsars. 369126
Kawamura, Kazutaka
Calculation of symmetric stretching frequency in molten BeF_2 by molecular dynamics method. 359702
Kawamura, Kenji
A model of the radio emission mechanism in pulsars. (IPPJ – 286) 377623
Kawamura, Kiyoshi
Thermoelectric and thermomagnetic effects in slightly radiation-damaged graphite. 353449
Kawamura, Masashi
Multi-point observation of geomagnetic pulsation in low and middle latitudes. 360198
Kawamura, Mitsuhiro
The decay scheme of ^{91}Sr. 359490
Kawamura, T.
Secondary electron emission from solid targets under bombardment with 20 keV H^+. 368854
Kawamura, Takashi
Monitoring of small particles in gas-cooled electrical machine by ion counting method. 350142
Kawana, Masanao
Thyroid studies with iodine-123. 379198
Kawanishi, S.
Moessbauer effect of ^{129}I in mercury(I)iodide. 356051
Kawano, Nobuyuki
Observations of linear polarization of the Crab nebula during an occultation by the solar corona, (2). 349005
Kawarabayashi, K.
A model of baryons based on duality and unitarity. 372438
Kawaradani, Hiroshi
Noninvasive detection of regional myocardial perfusion abnormality with ^{201}Tl and ^{81}Rb. 349863
Kawasaki, Katsuo
Treatment method of radioactive waste oil. 368371
Kawasaki, S.
Experimental study of microwave generation and suppression in a non-neutral e-layer. 350828
Measurement of snow water equivalent by cosmic ray neutron technique. (AED-Conf – 77-225-001) 354692
Protective effect of various thiol compounds on radiation-induced mitotic delay in cultured mammalian cells (L-5). 365353
Kawasaki, T.
Creep crack propagation in austenitic stainless steel at elevated temperatures. 357285
Kawase, Kaoru
Saturation of polymer yield during postpolymerization of gamma-ray irradiated 2-amino-4-N-methylanilino-6-isopropenyl-1,3,5-triazine. 354458

Kawase, Yasuo
Selective inhibition of the demethylation at C-14 in ergosterol biosynthesis by the fungicide, Denmert (S-1358). 349845
Kawase, Yoichi
Excited states and transitions in ^{106}Pd from the decay of ^{106}Rhsup(g). 372802
Gamma-gamma angular correlation measurements in ^{106}Pd. 372803
An outline of the high flux reactor ISOL (on-line isotope separator) project. (KURRI-TR – 146) 378078, 379839
Preliminary test of KUR-ISOL. (KURRI-TR – 146) 379839
Kawashima, Hideo
A fast-slow logic system. (INS-TL – 133) 355539
Kawashima, Hiroaki
Cover gas system in a reactor. 368208
Reactor containment vessel. 368209
Kawashima, K.
Design considerations of fission and corrosion product in primary system of MONJU. (IWGFR – 7) 361005
Safety evaluation of the Monju steam generator. (CONF-761001 – P2) 362951
Safety-related design of MONJU. (CONF-761001 – P1) 362958
Kawashima, Kanau
Mock-up critical experiments for prototype fast breeder reactor 'Monju'. 350125
Kawashima, Katsuhiro
Determination of saturation current in cylindrical paired ionization chambers for fast neutrons. 350306
Dose distribution of fast neutron beams from a NIRS cyclotron. 349920
Dosimetry of fast neutron beams at the NIRS cyclotron. 349919
Kawashima, Kenichiro
Long-term follow-up results of ocular damages after radiation therapy in maxillar cancer. 379085
Kawashima, N.
Interaction of a high intensity short pulse-width relativistic electron beam with plasma. 368981
SEPAC-electron beam accelerator (EBA) for the first Spacelab. 355190
Kawashima, Nobuki
An experimental study on mass separation by plasma centrifuge. 354339
Simultaneous temperature measurement of ionospheric plasma and neutral atmosphere with K-10-11 rocket. 349683
Kawashima, Y.
Present status and development of Japan's safeguards system. 371287
Safeguards for the peaceful nuclear fuel cycle. 361209
Kawashita, K.
Comparison between radiometric and fission track ages of micas. 365254
Kawasumi, Y.
Tokamak experiments on JIPP T-II device. (INIS-mf – 3963) 371853
Kawata, Osamu
A study on the effect of helium environment and the grain size on the creep behaviour of Hastelloy X alloy. 349502
Kawata, S.
X-ray L_1, L_2 and L_3 absorption limits of Mo. 350740
Kawatsura, K.
Double K-shell ionization of light elements by hydrogen and helium ion impact. 377049
Projectile Z dependence of double K-shell ionization in light elements by hydrogen- and helium-ion bombardment. 371499
Kawazu, H.
New techniques for the treatment of laundry and other low-level liquid wastes. 358496
Kawazu, Hideo
Method of processing liquid radioactive wastes. 380016
A pilot plant of continuous bituminization process for solidifying radioactive wastes. 350397
Kawiak, J.
Distribution of radioactivity in the mouse organism after administration of ^{35}S-chondroitin sulphate. 367583
Radioiodination of L 1210 cells. 373657
Kay, A.E.
Effects of rolling and heat treatment on the mechanical properties and structure of a U-2 Mo alloy produced by co-reduction. 373157
Kay, E.
Electron spectroscopy study on Gd/Fe alloy films. 370070
Kay, P.
The assessment of late effects on a population exposed to activity released into the environment. 360544
Kay, R.W.
Pb and Sr isotopes in volcanic rocks from the Aleutian Islands and Pribilof Islands, Alaska. 375990
Kaya, Akira
Some experiments for plutonium nitrate conversion process. (PNCT – 831-77-01) 378558
Kaya, Nobuyuki
Wake effect in rocket observation. 377631
Kayano, H.
Hydrogen sorption in La_2Mg_{17}. 354577
Structural changes in amorphous $Pd_{80}Si_{20}$ by neutron irradiation. 351886
Kayano, Hideo
Analysis of the neutron spectrum by a simple method. 354009
Effect of neutron irradiation on deformation behavior of zirconium. 373374
Effect of neutron irradiation on mechanical properties of niobium and Nb-Y alloy. 354627
Embrittlement in neutron irradiated niobium. 373351
Neutron irradiation effects in amorphous Pd-Si alloy. 373352
Neutron irradiation effects on thermally activated process of tensile properties of titanium. 354615
Kaye, J.H.
Mobile nondestructive assay verification and measurement system. (BNWL-SA – 6113) 366193
Kaye, R.J.
Focussing of an ion beam from a reflex triode. (COO – 2765-7) 377453
Kaylor, F.B.
Two-dimensional coastal storm surge model. 362885
Kayser, H.
Conversion of [^{14}C] β-carotene to its 2-hydroxy and 3-hydroxy metabolites by two moth species. 365435
Kayser, W.V.
Exxon Nuclear Company WREM-based generic PWR ECCS evaluation model: Palisades type combustion engineering plant large break example problem. (XN – 75-64(A)) 373831
Kayton, M.
Study of remote multiplexing for power plant application. (EPRI-NP – 254-SY) 370855
Study of remote multiplexing for power plant applications. (EPRI-NP – 254) 370854
Kayumov, F.F.
Arrangement for study of π^0-photoproduction on ^{4}He nuclei. 379852
Detector of recoil nuclei stopping in spark chamber gas. 350280
Kayurov, A.A.
The interaction of Zn-La, Zn-Al-La molten alloys with salt melted mixtures containing zinc chloride. 375599
Reaction of liquid zinc base uranium-containing alloys with salt molten mixtures. (INIS-mf – 4193) 375738
Kaz'min, B.V.
Passive filter of the IFVE accelerator ring electromagnet. 370750
Kazachenko, S.Yu.
Electrophoretic behaviour of ions on paper impregnated by di-2-ethylhexylphosphoric acid. 369558
Kazachevskaya, T.V.
Problems of electron flux ionization in the upper atmosphere. (INIS-mf – 3915) 349678
Kazachevskij, I.V.
On the problem of activation determination of nitrogen in petroleum. 354283
Kazachkov, A.A.
Design and physical principles of the finger-ring T-12 Tokamak with two axisymmetrical diverters. (ORNL-tr – 4530) 377355
Kazachkovskij, O.D.
The present status of the fast reactor programme in the USSR. 365979
Selection of large fast power reactor parameters. 368210
Kazajn, A.A.
Investigation of electrode processes during electrorefining of hafnium. (INIS-mf – 4189) 375434
Study of high-temperature hydrolysis of melts K_2TaF_7-KCl-NaCl and K_2NbF_7-KCl-NaCl. (INIS-mf – 4187) 375477
Kazak, V.G.
Polarographic determination of europium in rare earth phosphates in the presence of titanium. 378122
Kazakevich, A.G.
Polymerization of γ-irradiated acrylamide at low temperature under action of shock waves. 375704
Kazakevich, G.M.
Using scintillation counters on zinc sulfide base activated by silver for determining low beryllium content on the microtron. 375991
Kazakevich, M.Z.
Distribution of Dy, Ho and Er impurities during directed crystallization from SrF_2 and BaF_2 melts. 369641
Kazakevich, O.V.
NMR frequencies for Fe^{57} nuclei in the range of spin reorientation in crystals of mixed composition orthoferrites. 374784
Kazakevich, V.I.
Behaviour of transistors during successive irradiation with different energy electrons, electrons and protons. 358456
Kazakov, A.A.
Concentrational dependence of magnetic anisotropy constant of rare earth intermetallic compounds. 349479
Kazakov, A.I.
Grain size effect on electrophysical properties of 80% Bi_2Te_3 – 20% Bi_2Se_2. (INIS-mf – 3914) 349471
Kazakov, B.N.
Optical spectra of Tb^{3+} ions and crystal field on rare earth ions in crystals with the YF_3 structure. 374688
Spectra of impurities and rare earth defects in yttrium trifluoride. (INIS-mf – 3955) 377212
Stark structure of Tb^{3+} ion spectrum in crystals with YF_3 structure, crystal field and magnetic ordering in TbF_3 crystal. (INIS-mf – 3955) 377169
Kazakov, D.I.
Singular solutions of renormalization group equations and the symmetry of the Lagrangian. 353850
Kazakov, E.V.
Method for separation of iodine from natural water. (Soviet patent document 339130/A/) 375478
Kazakov, S.A.
The application of a high pulse repetition rate CO_2 laser with high average power for isotope separation by molecular dissociation in a strong IR field. 355067

Kazakov, V.P.
Nuclear quadrupole resonance of hetero-organic compounds of group 3 elements. 349236
Radioluminescence of uranyl solutions in perchloric acid induced by U^{238} self α-radiation. On possible radiation from triplet state of water. 359759
Radioluminescence of uranyl solutions in sulfuric acid under α-irradiation of U^{238}. Dependence on acidity and temperature. 375716
Kazama, N.
Effects of substrate bias and annealing on the properties of amorphous alloy films of Gd-Co, Gd-Fe, and Gd-Co-X (X = Mo,Cu,Au). 378639
Kazama, S.
NMR studies of anomalous diffusion of hydrogen and phase transition in vanadium – hydrogen alloys. 362492
Kazanin, M.M.
Electric conductivity of amorphous boron in a strong electric field. 361484
Kazanina, G.A.
Changes in the dynamics of water metabolism in the rabbit organism as a function of external γ-radiation dose. 352042
Kazansakaya, A.N.
Angular distributions of secondary particles from proton-nucleus interactions at 400 GeV/c. 375065
Kazanskaya, A.P.
Search for correlations between production of high energy helium nuclei and generation of shower particles. 369359
Kazanskaya, A.S.
Effect of treatment of γ-irradiated aluminium silicated on composition of cracking products. 373076
Kazanskii, A.G.
Far-infrared photoconductivity of uniaxially stressed germanium. 361040
Kazanskij, A.K.
Quasi-energy solutions for a potential with a variable depth. (INIS-mf – 3915) 348692
Kazanskij, L.P.
Molecular and electronic structure of heteropoly complexes. 364963
Nuclear magnetic resonance of oxygen-17 in diamagnetic and paramagnetic heteropolyanions of molybdenum and tugsten. 351501
X-ray electron study of cerium, praseodymium, thorium and uranium (4) heteropolytungstates. 378307
Kazanskij, S.L.
Development of the induced dichroism method for investigation of vibrational spectra of Eu^{2+} and Sm^{2+} in cubic CaF_2 crystals. (INIS-mf – 3955) 378127
Kazanskij, V.B.
Isotope exchange kinetics under conditions of diffusion hindrance. 378398
Low-temperature deuterium – hydrogen exchange at irradiated silica gels containing transition element ions. 373095
Nature of radiation defects on surface of oxides and their role in adsorption and catalysis. 373054
On mechanism of low-temperature photoinduced deuterium-hydrogen exchange on silica gel promoted by transition element ions. 365128
Kazanskij, V.V.
Peculiarities of negatively charged particles emission induced by laser radiation effect on tungsten. 349432
Kazanskij, Yu.A.
Adjustment of evaluated microscopic data on the basis of evaluated integral experiments. (INDC(CCP) – 109/U) 358047
Adjustment of group constants according to evaluated integral measurements and recent versions of evaluated nuclear microscopic data. (INIS-mf – 4043) 363493
Some physical studies on the BFS-1 fast critical assemblies. 360971
Study of neutron spectra in the BFS-28, BFS-30, BFS-33 fast critical assemblies using CINI and FEI spectrometers with proportional counters of recoil protons. (FEI – 698) 376643
Kazantsev, E.I.
State and prospects of using extraction and sorption in the production of zinc and cadmium. 367139
Studing sorption mechanism of indium and iron (3) ions on phosphoric-acid cationite KF-7. 378263
Kazantsev, G.N.
Cathode processes during gadolinium deposition from chloride melts on solid and liquid electrodes. (INIS-mf – 4189) 375485
On the interaction of uranium(6) and uranium(4) oxides with zirconium pyrophosphate in melts of alkali metal chlorides. Products of interaction (uranium phosphates). 369748
Reaction of certain fragment element oxides with zirconium phosphate in melt of alkali metal chlorides. (INIS-mf – 4193) 375495
Voltammetry of products form chlorination of dioxides of uranium, plutonium, americium and cerium with tetrachloromethane in the NaCl-KCl melt. (INIS-mf – 4189) 375622
Kazantsev, V.A.
Magnetic state of iron-nickel-manganese alloys. 348823
Kazarinov, M.Yu.
Measurement of the polarization correlation coefficient in elastic pp scattering at 610 MeV. 369360
Kazarinov, V.E.
Method for decontamination of radioactive saturated alcohols from impurities containing carbon-14. (Soviet patent document 393907/A/) 359736
Kazarinov, Yu.M.
Three-reggeon phenomenology in the $p+p \rightarrow p+X$ reaction. 356435
Kazaritskij, V.D.
Use of the multigroup system of constants for the calculation of integral reactor parameters (epsilon, $delta^{28}$, etc.) by means of the Monte-Carlo method. (INIS-mf – 4043) 360771
Kazaryan, Eh.S.
New Hsub(α)- emission stars. 377624
Kazaryan, M.A.
New Hsub(α)- emission stars. 377624
Kazaryan, S.P.
Facility for experiment on the investigation of charge composition of primary cosmic radiation in the energy range 20-10000 GeV/nucleon by the XTR-detector. (EFI – 177(23)-(76)) 350285
Utilization of XTR detector for hadron identification in polarization measurements in hadron-hadron interactions. (EFI – 130(75)) 361017
Kazawa, Yoshiaki
Construction of non-circular cross-section tokamak with diverter 'JFT-2a' for nuclear fusion research. 358961
Toroidal coil. 366551
Kazazyan, N.A.
Investigation of heat transfer when cooling a turbulent flow of chemically reacting N_2O_4 in a tube at elevated temperatures of a channel wall. 367900
Kazbanov, V.I.
Kinetics and mechanism of cadmium formation with participation of ammonia-thiourea complexes of cadmium. 362193
Kazemi, H.
Allotransplantation of the lung without immunosuppression after transplantation. II. Combined autotransplantation of bone marrow and allotransplantation of lung. 367484
Kazenas, E.K.
Mass-spectrometric ion source to the MI-1309 device for high-temperature thermodynamic investigation. 371177
Kazennov, B.A.
Amplification of acoustic noises in CdS crystals along C_6 axis. 374771
Kazennov, Yu.I.
Electroslag remelting effect on the weldability of chromium-nickel steel-Kh16N15. 359875
Kazes, E.
Generation of solutions of the interior Brans-Dicke equations. 358640
Nonrelativistic quantum mechanics and the anomalous part of the electron g factor. 350511
Properties of the solutions of cold ultradense configurations in the Brans-Dicke theory. 359059
Kazharskaya, L.P.
Defects in swaged pieces of nickel-base alloys. 351708
Slag inclusions in vacuum-melted ingots of the KhN73MBTYu nickel base alloy. 375766
Kazilin, E.E.
Effect of rarefied gas flows on the temperature mechanical properties of refractory metals. (INIS-mf – 3954) 362368
Kazimi, M.S.
Dynamics of solidification of flowing fluids with applications to LMFBR post-accident fuel relocation. (CONF-761001 – P4) 362889
Heat transfer and fluid dynamics in a volume-heated boiling pool. (CONF-761001 – P4) 362941
Limits of stability of internally heated boiling pools. 352252
Post-accident fuel relocation and heat removal in the LMFBR. (BNL-NUREG – 50603) 365568
Reliability requirements for admissible radiological hazards from fusion reactors. 377530
Study of post-accident molten fuel downward streaming through the axial shield structure in the liquid-metal fast breeder reactor. 362925
Kazimirov, N.N.
Temperature coefficient of linear expansion of Fe-Ni-Mn alloys. 369942
Kazimirov, V.P.
Electron-electron interaction effect on the electric resistance of liquid metals. 378653
Kazimirova, V.D.
Standard logic elements in the 'Chereshnya' unified structure. (ITEF – 62) 376716
Kazimov, A.K.
Gamma-radiation effect of the ATP-ASE-activity in various parts of cotton sprouts. 349727
Kazmann, R.G.
Do we have a nuclear option. 350413
Kazmerski, L.L.
Vacuum-deposited $CuInTe_2$ thin films: Growth, structural, and electrical properties. 365223
Kaznovskij, S.P.
Burnout mechamism in an annular dispersed flow regime at steam qualities lower than limit ones. (FEI – 648) 349973
Reactive force acting on a growing bubble in consequence of evaporating molecules. 373994
Kazumata, J.
Surface topography of pyrolytic graphite crystals bombarded with Ar^+, N^+ and He^+ ions. 357420
Kazumata, Y.
Surface erosion of pyrolytic graphite and glassy carbons by ion bombardment. 373353
Kazumata, Yukio
ESR study of Pb^{3+} ions in cubic PbF_2 crystals irradiated with γ-rays and neutrons at low temperatures. 358890
Paramagnetic centers in neutron-irradiated Li_2O. 377302

Keairns, D.L.
Steam and sodium leak simulation in a fluidized-bed steam generator. 358305
Kean, D.C.
Energy calibration of the A.N.U. 14UD Pelletron accelerator. 370771
The quadrupole moment of the first 3^- state in ^{208}Pb. (ANU-P – 667) 349140
Quadrupole moments of the first excited states of ^{204}Pb and ^{206}Pb. (ANU-P – 690) 362074
The static quadrupole moment of the first excited state of ^{198}Hg. (ANU-P – 695) 362057, 372747
Keane, M.E.
Remote underwater rack removal and installation. 358067
Kearney, D.W.
Mechanical and thermal design of a gas-cooled fusion blanket module. (GA-A – 14671) 371912
Kearsley, A.J.
Atmospheric analyses of southern peculiar A Stars. 374922
Keaten, R.W.
Safety design criteria for liquid metal fast breeder reactors. 379264
Kebey, C.A.
A tritium gas target as an intense source of 14 MeV neutrons. 355176
Kechkemeti, I.
Prompt neutron spectrum in thermal fission of ^{235}U in the energy range from 10 keV to 1 MeV. (INIS-mf – 3896) 356816
Keck, J.C.
Isotope separation using vibrationally excited molecules. (US patent document 4,039,411/A/) 363068
Keck, J.D.
Stress effects in ferroelectric ceramics. (SAND – 77-0066C) 357357
Kecki, Z.
Proton magnetic resonance contact shifts in glycol complexes with Co(2). 364070
Keda, A.I.
Distribution of Te and Ge impurities in layers of Alsub(x)Gasub(1-x)As. 378331
Kedrova, N.S.
Synthesis and properties of borohydridozincates of the second group metals. 375479
Kedzierski, J.
Isotopic thickness gauge of cold-rolled sheets. (INIS-mf – 4015) 373952
Kee, C.W.
Projections of spent fuel to be discharged by the U.S. nuclear power industry. (ORNL/TM – 6008) 370869
Keefe, D.
Applications of induction linac technology to heavy ion fusion. (LBL – 6453) 377400
Keefe, D.J.
Optimizing measurement sensitivity to facilitate monitoring environmental levels of Rn-daughter concentrations. (CONF-771023 – 14) 378925
Keefer, D.
Simulation of high fluence swelling behavior in technological materials. (HEDL-SA – 1163) 378799
Keefer, D.W.
Void formation in proton-irradiated molybdenum. 373354
Keeley, D.A.
Solar oscillations. 364327
Keen, B.A.
Strain in the zircaloy clad of fuel pins in loss-of-coolant accidents. 354563
Keen, N.
Researching radioactive waste disposal. 374429
Keenan, F.
Design measures to minimise radiation exposure of staff for a commercial nuclear power plant. 367814
Keenan, T.D.
A utility review of irradiation surveillance programs and industry responsibilities. (IAEA – 202) 376467
Keeney, R.L.
Nuclear siting using decision analysis. 349896
Keepin, G.R.
Non-destructive assay technology and automated "real-time" materials control. 371285
Keer, H.V.
Structure and properties of Cr- and Al-doped V_2O_3 -a comparison. 371622
Thermal studies on Cr-doped V_2O_3 crystals. 365198
Thermal studies on the high-temperature phase transition in V_3O_5. 360016
Keese, H.
Status and future aspects of nuclear material transport in the Federal Republic of Germany. 367942
Keesom, P.H.
Specific heat of niobium in the mixed state between 0.03 and 0.3 K. 359891
Keeton, A.R.
Steam and sodium leak simulation in a fluidized-bed steam generator. 358305
Technology development for a 3000 HP homopolar generator with liquid metal current collectors. (CONF-760503 – P2) 352392
Keeton, S.C.
Conflict simulation for surface transport systems. (SAND – 77-8624) 361210
Kegan, A.
High spin states in some Zn isotopes. 356796
Kegel, G.H.R.
Cross sections, angular distributions, and magnetic substate populations in the ^{23}Na(n,n'γ) reaction. 364764
Kehpernik, Kh.
Study of neutron spectra in the BFS-28, BFS-30, BFS-33 fast critical assemblies using CINI and FEI spectrometers with proportional counters of recoil protons. (FEI – 698) 376643
Kehr, K.W.
Methods of non-relativistic quantum field theory. 355781
Keiditsch, E.
Morphological changes on the urinary bladder wall of the rabbit after Argon laser radiation. 352037
Keijser, Th. H. de
On structures developed by spinodal decomposition; the interpretation of the X-ray diffraction and the role of excess vacancies in the coarsening. (INIS-mf – 4026) 354022
Keijzer, W.
Induction of sister chromatid exchanges in xeroderma pigmentosum cells after exposure to ultraviolet light. 354754
Keil, E.
Physics with very high energy e^+e^- colliding beams. (CERN – 76-18) 375013
Keil, G.
Correlations between the generation of boundary layers on metals, wear and corrosion. 375735
Keil, K.
X-ray fluorescence geochemical analysis on the surface of Mars, ch. 4. 374306
Keil, R.
Highly selective spectrophotometric determination of thorium by arsenazo III after extraction with N-butylaniline in chloroform. 349171
Keil, S.L.
A new measurement of the center-to-limb variation of the rms granular contrast. 353689
Keilacker, H.
Methodical studies of simultaneous radioimmunological determination of insulin and glucagon in plasma. 354940
Ultramicro radioimmunoassay of insulin using commercial RIA kits. 354933
Keilholtz, G.W.
LMFBR safety. 5. Review of current issues and bibliography of literature (1975 – 1976). (ORNL/NUREG/NSIC – 139) 373791
Keilin, V.E.
Nucleate and film boiling heat transfer to saturated liquid helium. 349970
Keinberger, C.A.
Corrosive environment tester for filter media. (K – 1891) 363051
Keinert, J.
WQGAS – a RSYST module to calculate the P_l scattering nuclei of an ideal, monoatomic gas. (IKE – 6-106) 355694
Keinonen, J.
Lifetimes of the unbound 4_1^-, 5_1^+ and 3_2^+ states in ^{14}N. 372773
Use of the ^{27}Al(p,γ)^{28}Si, Esub(p) = 992 keV resonance as a gamma-ray intensity standard. 370685
Keinonen, M.
Plutonium and americium in the foodchain lichen-reindeer-man. (CONF-770409 – 11) 362761
Keiser, G.M.
High precision determination of g/sub J/(^{4}He,2^3S_1)/g/sub J/(^{1}H,1^2S/sub 1/2/. 363903
Keiser, J.R.
Status of tellurium – hastelloy N studies in molten fluoride salts. (ORNL/TM – 6002) 362300
Keiser, K.H. v.
Preliminary decision and construction design approval in the nuclear licensing procedure from the view of the energy supply enterprises. 352958
Keister, P.L.
Recovery and purification of uranium-234 from aged plutonium-238. (MLM – 2490) 378128
Keister, T.L.
Pharmacologically induced heterogeneous myocardial blood flow detected with rapid rescanning. 354948
Keith, D.G.
Will nuclear power plant standardization reduce the licensing impact on construction. 358565
Keith, G.H.
Containerless processing of beryllium. Final report. (N – 77-27211) 378577
Kejko, V.V.
Determination of mutual orientation of ligand molecule and coordinating ligand in paramagnetic complexes. 351502
Kejlin, V.E.
Some problems for constructing of circulation superconducting magnetic systems. (IAE – 2397) 349991
Superconducting magnet for an experimental MHD generator. (IAE – 2538) 349043
Kekelidze, G.P.
Radiation effects in indium phosphide, indium arsenide compounds and their solid solutions. 370172
Kekelidze, N.P.
Radiation effects in indium phosphide, indium arsenide compounds and their solid solutions. 370172
Kekhva, L.D.
Recombination processes during excitation of AgCl:Me^{2+} crystals by ionizing radiation. 371625
Kekhva, T.E.
Recombination processes during excitation of AgCl:Me^{2+} crystals by ionizing radiation. 371625

Kekhva, T.Eh.
Primary processes of radiation stimulated formation of silver phase in AgHal crystals. 373083
Kel'man, I.V.
Effect of radioactive radiation on catalytic properties of solid materials. 370219
Kel'man, V.M.
Electric prism. (Soviet patent document 441610/A/) 355608
Mass spectrometer. (Soviet patent document 430314/A/) 379978
Kelarev, V.V.
Effect of magnetic anisotropy on temperature dependence of magnetization of some compounds of the RCo_5 type. 349458
Kelber, C.N.
Licensing decisions and safety research related to LMFBR accidents. 370541
Keledy, F.C.
Method for the detection and monitoring of stepwise crack growth in a construction. (German (F.R.) patent document 2149753/C/) 360746
Kelemen, V.I.
New integral axiomatic restrictions for hadron scattering amplitudes. 375043
Kelemen, V.V.
New local oxiomatic restrictions for the differential cross-sections. 350528
Kelemen, V.Yi.
Axiomatic equalities for zeros of scattering amplitudes and formfactors of hadrons. 356436
Keler, Eh.K.
Preparation of solid solutions with electron conductivity on the base of zirconium dioxide. 349571
Kelleher, D.M.
SCOPE: synergistic computer optimization of planning for enrichment status report. (K/CSD/TM – 17) 373904
Keller, A.
Total cross sections for charged-current neutrino and antineutrino interactions in BEBC in the energy range 20-200 GeV. 353945
Keller, Arthur
Improvements to vapor generators. 355289
Keller, C.
Francium. 375640
Natural radioactive elements. 375639
Occurence of radioecology of the long-lived radioisotope iodine 129. 352080
The safety of gas-cooled nuclear power plants with helium turbines. 352690
Keller, D.A.
Low temperature heat capacities of DyCoNi. 362451
Keller, E.
Waste management and recycling. 355298
Keller, H.
Moessbauer studies of the alloys Vsub(75-x)Fesub(x)Ga_{25}. 354513
Keller, H.-J.
Collective excitations in the ^{123} ^{125}I nuclei. 356777
Keller, H.J.
Collective high-spin states in ^{121}I. (ZfK – 336) 364779
High-spin states in odd-A Te isotopes. (ZfK – 336) 364778
Keller, J.
Determining the mean lifetime of thermal neutrons in a multiplicity neutron monitor. 379905
Inelastic Coulomb scattering of conduction electrons in (LaPr)Sn_3. 378654
Line width of crystal-field excitations in metallic rare-earth systems. 355947
Keller, J.H.
Procedures: Source Term Measurement Program. (NUREG – 0384) 379237
Keller, L.P.
Search for narrow resonant states in e^+e^- collisions near 6 GeV. 351208
Keller, N.
Kinetics of ligand exchange between a uranium(IV) β-diketonate and free β-diketone. 362233
Keller, P.
Transport equation treatment of transmitted electrons through thin films of aluminium. 350773
Keller, R.W.
Significance of the initial FEA power plant reliability productivity study: a contractor's viewpoint. 363690
Kellermann, O.
Analysis of LOCA in the Federal Republic of Germany. 370533
Kellermann, Otto
Regulatory inspection practices for nuclear power plants in the Federal Republic of Germany. (INIS-mf – 4066) 361181
Kellert, F.G.
Collisional ionization of Xe(nf) atoms by electron attaching targets. 377006
Effects of state changing collisions in studies of collisional ionization of xenon high Rydberg atoms. 377121
Ionization of xenon atoms in high Rydberg states by collision with molecules. 350612
Kelley, A.P. Jr.
Reliability evaluations of GCFR residual heat removal systems. (CONF-761001 – P2) 362959
Kelley, G.M.
Target preparation with the LASL isotope separator No. 1. (LA – 6850-C) 370669
Kelley, J.D.
Dynamic model for vibronic excitation in low energy atom-molecule collisions. 353281
Kelley, M.C.
Ionospheric scintillation calculations based on in situ irregularity spectra. 367419
Study of an observed and forecasted meteorological index and its relation to the interplanetary magnetic field. 360200
Kellner, G.
Spin and lifetime of the Ω^- hyperon. 372517
Strange particle production in three- and four-body final states of 16 GeV/c π^+p reactions. 353944
Kellogg, G.L.
Direct observation of surface diffusion and atomic interactions on metal surfaces. 377213
Kellogg, L.S.
EBR-II derived fission yields from vanadium encapsulated fission monitors. (HEDL-TME – 75-130) 351379
Fission and non-fission foil material acquisition and quality assurance. (HEDL-TME – 75-130) 352489
Reaction rate measurements. (HEDL-TME – 75-130) 351378
Review of microscopic integral cross section data in fundamental reactor dosimetry benchmark neutron fields. (HEDL-SA – 1148(Rev.1)) 377990
Kellogg, M.
System for histogram entry, retrieval, and plotting. (LA – 6920-M) 374514
Kellogg, R.G.
Determination of the neutron-proton ratio in primary cosmic rays. 350974
Kelly, B.T.
The thermal conductivity of hexagonal boron nitride parallel to the basal planes. 370113
UKAEA reactor group studies of irradiation-induced creep in graphite. 360099
Kelly, D.T.
Levels in ^{71}Ge studied with the ^{68}Zn(α,nγ)^{71}Ge reaction. 356799
Kelly, E.M.
Three-phase region of D_2-DT-T_2. (UCRL – 79036(Rev.1)) 360051
Kelly, F.J.
Telecommunication with neutrino beams. 377826
Kelly, H.
On the upper pressure limit for the efficient operation of a plasma focus device. 353555
Kelly, J.C.
Channelling of MeV H and the ions in alkali halides at 'zero dose' measurements. 371663
Kelly, J.E.
Applications of the reactor safety study probabilistic safety analysis. 362916
Kelly, J.G.
Coded aperture imaging methods for fuel motion measurement. (CONF-761001 – P2) 362960
Coded aperture imaging of reactor illuminated LMFBR fuel pins. (SAND – 77-1014C) 367765
Development of a coded aperture fuel motion diagnostics system for the ACPR (upgrade). (SAND – 77-1553C) 374278
Kelly, P.M.
Climatic interpretation of delta^{18}O and deltaD in tree rings, and replies from Wilson, A.T.; Gray, J.; Thompson, P.; Libby, L.M.: Pandolfi, L.J. 367392
Faulted loops in neutron-irradiated zirconium. 362538
Kelly, R.
On the problem of whether excited states amongst sputtered particles are of thermal origin. 374716
Transport worker radiation exposures handling air shipments of radioactive materials. 360530
Kelly, R.C.
Radioimmunoassay for thromboxane B_2. 362770
Kelly, W.L.
Leak detection system design and operating considerations for the US-CRBRP. (CONF-760735 – 1) 379774
Kelly, W.M.
Computerized technique for the determination of zero-power control rod group reactivity worth. 358099
Reactor vendor's role in maintenance, refueling, and operating support. 370918
Kelm, M.
Recent experiments on the treatment of medium level wastes and spent solvent and on fixation into bitumen. 358466
Separation and solidification of the active substances from medium-activity liquid waste. 371190
Kelmers, A.D.
Hydrazoic acid distribution between TBP-dodecane and nitric acid solutions. 357025
Kelp, F.
Feed water pre-heater with two steam spaces. 352481
Feedwater preheater with two steam chambers. (German (F.R.) patent document 2458471/C/) 350148
Feedwater preheater with two steam spaces. (German (F.R.) patent document 2458437/C/) 350136, 350149
Kelsey, C.A.
Dosimetry of pion therapy beams. 352351
Kelsey, E.J.
Comments on the polarization of the quenched radiation from the 2s state of hydrogen. 358765
Kelting, F.
Technology transfer as task of the state and economy. 358541
Kelvin, D.
Shell-model calculations in the sd shell. 364788
Kema, N.V.
Planning of combined external irradiation and internal contamination to reduce dose in nuclear power plant operations.

355058
Kember, N.F.
The sensitivity of personnel monitoring film to negative pions. 371136
Kembhavi, A.K.
Absolute magnitudes and Hubble plot for QSOs. 356268
Kemerink, G.J.
On the isomer shifts of ^{129}I impurities implanted in semiconductors. 356071
Kemm, K.
The precipitation of point defects near grown-in dislocations during neutron irradiation. 370168
Kemm, K.R.
The morphology of radiation damage in copper irradiated with neutrons at elevated temperatures. (INIS-mf – 4001) 354432
Kemmink, J.
Radioactive waste, ch. 4. (INIS-mf – 4221) 379568
Kemmler-Sack, S.
On the polymorphy of perovskites A$_2$(Bsub(1/2)SEsub(1/2))MO$_6$. (AED-Conf – 77-389-003) 375480
Kemnitz, P.
Evidence for rotational band structures in the N = 88 nulide ^{153}Tb. (ZfK – 336) 364834
Investigation of high-spin states and decay of an 11/2$^-$ isomer in ^{151}Tb. (ZfK – 336) 364789
Investigation of isub(13/2) excitations in ^{197}Hg and ^{191}Pt. 372774
Investigation of the i$_{13/2}$ excitation in ^{197}Hg. (ZfK – 336) 364790
Proton-neutron excitations on the high-spin states of ^{95}Tc. 367013
Quasi-rotational bands in ^{80}Kr. (ZfK – 336) 364769
Rotational bands and a high-spin isomer in ^{178}Ta. (ZfK – 336) 364765
Kemp, E.L.
Switching requirements for near-term, pulsed high-beta experiments. (EPRI-ER – 376-SR) 361568
Kemp, J.C.
Evidence for a 39-d period in Cyg X-1. 359109
Kemp, T.R.
Cell division factors (cytokinins) from irradiated plant tissue. 379000
Kempa, J.
Hadrons in extensive air showers. 370297
Kemper, K.W.
^{13}C(^{6}Li,α)^{15}N: Emphasis of back-angle data. 364783
Location of the major 2Psub(1/2) strength in ^{49}Sc by forward angle heavy-ion j dependence. (ANU-P – 686) 372775
Location of the major 2psub(1/2) strength in ^{49}Sc by forward-angle heavy-ion j dependence. 375184
Quadrupole effects in the elastic scattering of ^{10}B, ^{11}B and ^{12}C by ^{27}Al. 354248
Structure in the ^{12}C(^{12}C,d)^{22}Na reaction near E/sub c.m./ = 14.3 MeV. 351387
Kemper, R.S.
Chemical decontamination and melt densification of chop-leach fuel hulls. 358479
Kempken, K.
Double-radioisotope renal clearance measurement with a partially shielded whole-body counter for the determination of renal filtration fraction; methods and clinical results. (INIS-mf – 4010) 362731
Kempken, M.
The worlds nuclear power plants. 358142
Kempter, V.
Differential cross sections and coherence effects for excitation of K in collisions with N$_2$ and CO. 353282, 377050
Kendal, W.S.
Erratum: Application of a multiwire proportional chamber to the detection of axoplasmic transport. 358393
Kendall, J.S.
Circulation system for flowing uranium hexafluoride cavity reactor experiments. (CONF-760646 –) 374117
Kendrick, H.
Environmental radioactivity from hospitals. 378889
Safeguards technology transfer to developing countries. 353005
Kendysh, I.N.
Isolation and activity of splenic protein fraction stimulating the postirradiation recovery of bone marrow. 376096
Kenefick, R.A.
Mass measurements of the proton-rich nuclei ^{50}Fe and ^{54}Ni . 364827
A study of the ^{12}C(d(pol),α)^{10}B reaction at 20.7 and 29 MeV. 354170
Kenfield, T.A.
In-reactor stress relaxation in bending of 20% cold-worked 316 stainless steel. 360100
Stress-free swelling in Type 316 stainless steel at high fluences. 360980
Kenigsberg, A.
Parameter analysis of an electrostatic particle guide using radioactive recoil ions. 379979
Kenik, E.A.
In-situ radiation response of nickel – molybdenum alloys in an HVEM. (CONF-770855 – 1) 362529
Kenkel, J.V.
Laboratory studies of galvanic corrosion. III. Effect of velocity in NaCl and substitute ocean water. 362303
Kenna, B.T.
The Sandia solidification process – A broad range aqueous waste solidification method. 358492
Kenndler, E.
A contribution to the distinction of biogenic vinegar and vinegar made from synthetic acetic acid by determining the specific ^{14}C-radioactivity. 354914
The influence of organic solvents on the extraction of thorium(IV) and uranium(VI) with substituted secondary and tertiary ammonium nitrates from aqueous solutions of nitric acid 3.Pt. 375559
Kennedy, A.R.
Histochemical, light and electron microscopic study of polonium-210 induced peripheral tumours in hamster lungs -evidence implicating the Clara Cell as the cell of origin. 365436
Histochemistry of normal lungs and ^{210}Po induced pulmonary tumors in hamsters. 349784
Kennedy, C.N.
A new technique for selecting the reaction $\pi^+p \rightarrow n\pi^+\pi^+\pi^+\pi^-$ from the background. 353975
Kennedy, D.L.
Lifetimes of excited states in ^{50}V. 372776
Kennedy, E.
Dechanneling by twins. 366411
Kennedy, E.F.
Influence of ^{16}O, ^{12}C, ^{14}N, and noble gases on the crystallization of amorphous Si layers. 360101
Reordering of amorphous layers of Si implanted with ^{31}P, ^{75}As, and ^{11}B ions. 360070
Kennedy, E.T.
Absorption from excited states of Be$^+$ formed in a laser produced plasma. 366347
Kennedy, G.
Asymmetric excitation of the isobaric doublet ^{9}Be-^{9}B through the ^{9}Be(p,pn)^{8}Besub(gs) reaction. 356795
Kennedy, G.C.
Pressure dependence of the thermodynamical Grueneisen parameter of fluids. 360037
Kennedy, J.M.
Analytic studies of subassembly failure propagation. (CONF-761001 – P3) 365519
Finite-element formulations for the thermal stress analysis of two- and three-dimensional thin reactor structures. (CONF-770807 – 50) 374255
Influence of temper condition on the nonlinear stress – strain behavior of boron – aluminum. Interim report, March – October 1976. (N – 77-26271) 378786
Response of subassembly model with internals. (CONF-770807 – 46) 373833
Some aspects of the structural response of pool-type LMFBR systems to HCDA and seismic events. (CONF-761001 – P3) 365578
Kennedy, J.P.
Reactor vendor's role in maintenance, refueling, and operating support. 370918
Kennedy, J.W.
Measurement of left ventricular function using portable scintillation camera-computer system. (INIS-mf – 4010) 362817
Kennedy, M.F.
First-generation model to predict particle-size distributions for condensed UO$_2$ vapor. 352253
Primary aerosol particle-size distribution from homogeneous nucleation condensation and particle growth. (NUREG – 0391) 379265
Kennedy, R.H.
Management and control of radioactive waste from uranium milling operations in the United States of America. 368358
Kennedy, R.T.
Assurance of the effectiveness of safeguards. 371279
NRC and the states: partnership in regulation. 374479
U.S. nuclear export policy. 352959
Kennedy, W.J.L.
Needs and directions for the engineer: constructor in improving power plant reliability. 363691
Kennerley, R.J.
Chemical Engineering Division fast-neutron dosimetry annual report, July 1975 – June 1976. (ANL – 76-104) 361556
Kennerly, R.E.
Electron-helium absolute total scattering cross sections from 1eV to 200eV by a new time-of-flight method. 353283
High-resolution pulsed electron beam time-of-flight spectrometer. 366348
Kennett, S.R.
Cross sections for ^{18}O(α,n/sub 3,4/γ)^{21}Ne reactions populating the (1/2$^-$,1/2$^+$) doublet. 364826
Kenney, D.J.
Stimulated Brillouin scattering in magnetized plasmas. 361569
Kenny, B.G.
Han-Nambu model with lambda', lambda" coupling. 366853
Kenny, M.J.
Gamma rays from keV neutron capture in lanthanum. 372777
Resonant neutron capture in ^{45}Sc below 100 KeV. 372778
Kent, C.
Autoradiographic demonstration of a zonal distribution of ^{3}H-dopamine-derived radioactivity in the mouse adrenal medulla perfusion-fixed with glutaraldehyde. 349840
Kent, L.A.
Acoustic diagnostic techniques for post-accident heat removal experiments. (CONF-761001 – P4) 363023
Erosion rate measurements using an acoustic technique. 352298
Kenyon, I.R.
Energy-dependent cross sections for K$^-$ neutron interactions in the CM energy range 1750-2200 MeV from five K$^-$ deuterium bubble chamber experiments. 356500
f^0(1270) production in the reaction $\pi^-p \rightarrow \pi^+\pi^-n$ at 12 and 15

GeV/c. 372501
Kenyon, R.G.
A comparison of charged coupled devices and film sensitivities. 358399
Kenyon, R.S.
Acid effects in the styrene comonomer technique for radiation grafting to wool. 378513
A radiation grafting technique for the immobilization of enzymes and the heterogenizing of catalytically active homogeneous metal complexes. 369775
Kenzhebekov, B.T.
Study on the structure of the even-even iron isotope surface by the Blair phase shift method. 375195
Keoemley, G.
Radioanalysis of water circuit at nuclear power plants. 365853
Kepford, C.R.
Radioactive waste: the gift that never stops giving. (ORP/CSD – 77-2) 373888
Kephart, J.F.
Polarization of X-rays from laser produced plasmas. (INIS-mf – 3963) 353631
Kephart, R.D.
Observation of a dimuon resonance at 9.5 GeV in 400-GeV proton-nucleus collisions. 351221
Observation of structure in the UPSILON region. 369378
Kephart, T.
201-GeV/c proton-proton elastic scattering at large momentum transfer. 366888
Keprtova, J.
Increasing plating efficiency of irradiated mammalian cells. 378970
Kera, Yoshiya
The formation of $VOSO_4$ on the surface of V_2O_5 in the oxidation of SO_2 as studied by ESR. 378308
Kerber, M.A.
Nuclear magnetic shielding and quadrupole coupling of ^{133}Cs in cesium salt powders. 355990
Kerchner, H.R.
Determination of low-field critical parameters of superconducting niobium by small-angle neutron diffraction. (CONF-771077 – 2) 373172
Kerdraon, A.
The Mark II Nancay radioheliograph. 372129
Kereiakes, J.G.
Measuring mixed energy gamma radionuclides using a radionuclide calibrator. 352346
Kerekes, Z.
Di Guglielmo syndrome (erythroleukemia) with dyserythropoiesis in a breast cancer patient treated with irradiation. 379054
Kereselidze, T.M.
Two-electron exchange interaction of atoms and ions. (INIS-mf – 3915) 348693
Kereszturi, A.
Moments of the Fourier-transformed neutron slowing-down kernel. (KFKI – 77-44) 356535
Kerimov, B.K.
Deuteron disintegration by neutrino (antineutrino) and weak neutral currents. 377902
Neutral currents in the antineutrino disintegration of a deuteron. 351172
Radiative effects in the production and leptonic decay of psi-mesons of psi-meson. 369333
Spin correlations in neutrino (antineutrino)-electron scattering taking account of (S,T,P) interactions of neutral and charged currents. 375033
Kerimov, G.N.
Spectrophotometric study of molibdenum (6) complexing with benzidine-bis-azo-pyrocatechol. 375463
Kerimov, I.G.
Hall effect in $CoCr_2Te_4$. 370065
Kerimov, T.G.
Estimation of carbonate reservoirs of East Turkmeniya from the lateral-logging and neutron-gamma logging data. 360146
Kerimova, D.N.
Uranium content in mountain brown soils of khanlar region. 367374
Kerkdijk, C.B.W.
Analysis of Si thin films prepared by ion beam sputtering. 368741
Kerkhoff, H.
Stress-calculation for rotary shells under axisymmetric load and for circular cylinders with unsymmetric edge loads. (KFK-CAD – 16) 370782
Kerkow, H.
Enhancements of Xe(M)-radiation during bombardment of copper crystals with Xe-ions in low indicated directions. (INIS-mf – 3996) 364055
Kerlick, G.D.
Hypermomentum and the microscopic violation of the Riemannian constraint in general relativity. 353088
Kerlin, T.W.
Identification of nuclear plant parameters using experimental data and high-order dynamic models. 368050
Identification of nuclear systems. 367766
In-situ response time testing of platinum resistance thermometers. (EPRI-NP – 459) 358223
Investigation of optimal control strategies to an integral economizer U-tube steam generator. 379662
Kerman, A.
Induction-heated oven for laser spectroscopy of atomic uranium. 366334
Kermanov, V.P.
Concentration of radioiodine on iodidophosphonate of iron-silver. 359737
Coprecipitation of some radioelements with iron-potassium ferrocyanophosphates. 378470
Kermode, M.W.
Repulsive nonlocal potential models for the deuteron. 351259
Kern, B.D.
Low-lying levels of ^{98}Tc. 351393
Kern, C.D.
Description of the ARAC multi-laboratory tests of December 1975. (DP – 1455) 367428
Modeling the dispersion of atmospheric pollution using cubic splines and chapeau functions. (DP – 1455) 373853
Preliminary results from sulfur hexafluoride and deuterated methane releases of December 10, 1975. (DP – 1455) 367429
Kern, D.
Theoretical studies on rotationally symmetric beam generation systems with a field emission source. (AED-Conf – 77-283-006) 376245
Kern, D.B.
Low-lying levels of ^{94}Nb. (BNL-NCS – 22500) 356778
Kern, J.
Precision measurement of the 3d-2p transition energy in muonic Mg, Si, P, by crystal spectrometer. 376954
Kern, R.C.
Self-initialization of the RELAP4 momentum equation. 352241
Kern, W.
Comparison of the line-reversed channels p-barp $\rightarrow \pi^-\pi^+$ and $\pi^+p \rightarrow p\pi^+$ at 6 GeV/c. 351232
A device for opening quartz ampoules in neutron activation analysis. 376344
Measurement of the line-reversed reactions p-barp $\rightarrow \pi^-rho^-$ and $\pi^-p \rightarrow prho^-$ at 6 GeV/c. 369376
Kernan, A.
Further evidence for production of electrons with small transverse momenta in pp collisions. 377784
Kerner, M.N.
Investigation of the dissociation and ionization processes of the nitrogen oxides NO, N_2O and NO_2 in the ion source of a mass spectrometer. (KFK-tr – 533) 353324
Kerner, R.
On the unicity of the 't Hooft's magnetic monopole. 353099
Kernohan, A.
Electrofission of ^{206}Pb, ^{207}Pb, and ^{208}Pb. 351380
Kerova, N.I.
Effect of an ionizing radiation on the activity of the components of the system: DNA ase 1-natural DNA ase 1 inhibitor in blood serum of white rats. 367500
Kerr, D.D.
Plant computer-aided management concept. 358177
Kerr, G.D.
Dosimetry for human exposures. (ORNL – 5171) 367525
Kerr, H.T.
In-core nuclear heating rates easily measured with proven calorimetric instruments. (CONF-770611 – 20) 352458
Kerr, W.B.
Fluidized-bed calciner with combustion nozzle and shroud. (US patent document 4,017,253/A/) 374420
Kerrisk, J.F.
Advanced carbide fuels: U.S. experience. (LA-UR – 77-1353) 352720
Design and performance of shroud tubes. 379771
Kerrisk, J.R.
Design and performance of shroud-tubes in sodium-bonded advanced fuel elements. (LA-UR – 77-1250) 358291
Kershengol'ts, I.M.
On the longitudinal development of extensive air shower at the primary particle energy above 10^{17} eV. 362601
Kershner, C.J.
Tritium waste control project: October 1976 – March 1977. (MLM – 2451) 374400
Kershul, W.L.
Condenser tube failures in light-water reactors. 358193
Kersley, L.
Atmospheric waves induced by the solar eclipse of 30 June 1973. 354700
Plasma fluxes between ionosphere and protonosphere. 378926
Post-geomagnetic storm protonospheric replenishment. 378927
Kerst, D.
Multipole fusion reactors using advanced fuels. (EPRI-ER – 536-SR) 371722
Kersten, J.A.H.
Last experiments with the KEMA Suspension Test Reactor. 376593
Kersting, E.J.
Analytic studies on the refill and flooding phase after LOCA in PWR reactors. 370919
Kersting, W.H.
Operational effects of a dc superconducting line on a high-voltage power system. 365707
Kertsher, F.
Study on regimes of nuclear power plants with WWER-type reactors. 376500
Kervalishvili, N.A.
Investigation of low pressure discharge in the transverse magnetic field. (INIS-mf – 3255) 350881
Investigation of the interaction of low-frequency electric fields with the ion sound oscillations in confined weakly ionized plasma. (INIS-mf – 3255) 350803
Kesavan, P.C.
Effect of varying concentrations of caffeine and ascorbic acid on

the radiosensitivity of barley seed irradiated in oxygenated or oxygen-free hydration medium at 25 and 370°C. 365372
Kesei, Ch.
Study into mechanism of radiolysis of cyclopentane-cyclopentene mixtures. 369792
Keshishev, K.O.
Charge movement in crystalline helium. 368811
Keski-Rahkonen, O.
Relativistic effects in the calibration of electrostatic electron analyzers. I. 379980, 379981
Keskovar, B.
Transit time spread measurements of microchannel plate photomultipliers. (LBL – 6498) 363617
Kesler, Ya.A.
Boundary conditions or existance for oxo- and sulfospinels. 359629
Kesse-Elias, M.
Serum folic acid and Vitamin B-12 level in elderly. (INIS-mf – 4010) 370486
Kessel, C. van
Optics of laser plasmas in spherical geometry. (IPP – IV/92) 350909
Kessel, C.G.M. van
Reflection losses from laser-produced plasmas. 374820
Kessel, Q.C.
Ionization and inelastic energy loss measurements of large angle 0.4 to 1.0 MeV Kr^{+}-Xe collisions. 377051
Kessel', A.R.
Forming of electroacoustic echo in powders due to frequency modulation mechanism. 375009
Kessler, D.
Further muonic-atom test of vacuum polarization. 350625
Nuclear magnetic shielding and quadrupole coupling of ^{133}Cs in cesium salt powders. 355990
Kessler, G.
Discussion of the ERDA breeder program in the USA. 376572
European in-pile investigations of fast breeder reactor safety. 371006
Present state of development of the fast breeder project in the Federal Republic of Germany, Belgium and the Netherlands, and progress achieved during 1975 and early 1976. (IWGFR – 12) 358283, 363504
Safety of the liquid-metal cooled fast breeder reactor and aspects of its fuel cycle. 371030
Status and development programme of the fast breeder reactor system in the Federal Republic of Germany. 365973
Kessler, J.
Can electrons elastically scattered from neon be fully polarized. 358779
Kessler, W.V.
Effects of altered thyroid states on cesium-137 accumulation in the liver of rats. 370403
Kestenbaum, H.L.
OSO-8 X-ray polarimeter and Bragg crystal spectrometer observations. 369174
Search for thermal X-ray line emission from the Crab Nebula. 359110
Stellar crystal x-ray spectroscopy on OSO-8. (CONF-7510169 –) 364352
X-ray polarization experiment on the OSO-8. (CONF-7510169 –) 364426
Kesternich, W.
Helium embrittlement in austenitic steel. (AED-Conf – 77-031-003) 349600
Kesteven, M.J.
Hydrogen recombination lines at decimetric wavelengths from the direction of the galactic centre. 349006
Kestikej, L.Kh.
Study of trimerization of acetylene in benzene. Catalytic activity of niobium and its oxides. 378338
Keszthelyi, L.
Contribution of parity-violating effects to intramolecular interactions. 371500
Ketchen, M.B.
Development and applications of the tunnel junction dc squid. 352385
Ketel, T.J.
Properties of odd Ag isotopes. (INIS-mf – 4267) 378015
Timing experiments and burst suppression at the V.U. AVF-cyclotron. 357970
Ketley, I.J.
Nonlinear chiral models and many-dimensional solitons. 359227
Ketov, A.N.
Behaviour of potassium hexachlorniobate when heating in various gas media. 356995
Kett, K.
Study of DNA metabolism of lymph-node cells by direct lymphatic administration of tritiated thymidine. 370443
Kettenacker, W.C.
Research, engineering, and construction report, Engineering Analysis Division. Thermal analysis: LOFT primary coolant pump inlet nozzle, thermal analysis Class 1 review. (LTR – 1142-18) 379655
Ketterer, H.E.
Relation of neutral beam injection to impurity behavior and extension of plasma parameters in ORMAK. (INIS-mf – 3963) 371934
Ketterson, J.
Conduction electron g-factor in Au. 351739
de Haas-van Alphen measurements and phase shift analysis of electronic scattering anisotropy in solid solutions of Ga in Au. 351742
Ketterson, J.B.
Mobility of positive and negative ions in superfluid ^{3}He. 359214
Positive ion mobility in normal ^{3}He. 356368
Sound propagation in normal and superfluid ^{3}He. (CONF-771064 – 3) 372335
Kettner, D.A.
Flux distribution measurements in the Bruce A unit 1 reactor. (AECL – 5833) 360779
Keusch, F.
Determination of Relative Biological Efficacy (RBE) and Oxygen Enhancement Ratio (OER) for the entire negative and positive pion beam profile using Vicia faba roots and Drosophila embryos as biological model systems. (LA-tr – 77-75) 378994
Keusenhoff, J.
Temperature analysis from the point of view of probability. 370578
Kevan, L.
Electron spin-lattice relaxation mechanisms of radiation produced trapped electrons and hydrogen atoms in aqueous and organic glassy matrices. 357136
A semicontinuum model with a structured first solvation shell for excess electrons in liquid and glassy alkanes. 359789
Temperature dependence of the recombination fluorescence of photoionized indole and N,N,N',N'-tetramethyl-p-phenylenediamine in organic glasses. Consequences of electron tunneling and diffusion. 364958
Kevdina, I.B.
Effect of viscosity on positronium formation in liquid phase. 375627
Kevorkov, A.M.
Luminescent-generation properties of Nd^{3+} ions in $YGaO_3$ and $Y_3Ga_5O_{12}$ crystals with garnet structure. (INIS-mf – 3955) 362164
Kevorkov, M.N.
Effect of heat treatment on properties of InSb alloyed with Ge, Zn, Mn, Cd. 369911
Kew, S.
Yield curves for cyclotron production of ^{123}I, ^{125}I and ^{121}I by $^{127}I(p,xn)$ Xe $\rightarrow$ (β) $\rightarrow$ I reactions. 376241
Key, A.W.
A new technique for selecting the reaction $\pi^{+}p \rightarrow n\pi^{+}\pi^{-}\pi^{+}\pi^{-}$ from the background. 353975
Strange-particle cross sections from $\pi^{+}p$ interactions at 10.3 GeV/c. 351219
Key, J.L.
RNA metabolism in the regulation of protein synthesis in plants. Progress report summary, July 1976 – August 1977. (SRO – 643-14) 362782
Key, M.H.
Implosion and compression of gas filled microballoons. (RL – 77-122-B) 364211
Keyes, G.
Measurement of decay branching ratios for the sub(Λ0sup(4)He hypernucleus. 361889
Keyes, G.B.
Addressing the nuclear controversy on university campuses. 371323
Keyes, J.W. Jr.
Clinical significance of /sup 99m/technetium sulfur colloid accumulation in renal transplant patients. 357643
Keyes, W.I.
Clinical evaluation of radioisotope axial tomography of the brain. (INIS-mf – 4010) 357678
An inexpensive gamma alarm. 361057
Keyser, C.J.
Merged electron-ion beam experiments. 366315
Keyser, R.A.J.
Ionization processes in the low-pressure mercury nobel gas discharges. (INIS-mf – 4267) 377069
Keyworth
Unresolved resonance parameters for ^{235}U. (BNL-NCS – 22500) 356800
Keyworth, W.J.
Methods of compliance with fracture toughness and operational requirements of 10 CFR 50, appendix G. (BAW – 10046A(Rev.1)) 360918
Khabarov, V.S.
Delay time units in the CAMAC standard. (JINR – 9-9041) 350055
Khabibulin, B.M.
Nuclear maser-effect in n-type InAs. 374731
Khachatryan, N.R.
A new radio source in the Monocerotis. 377627
Khachaturian, M.N.
Arrangement for study of π^{0}-photoproduction on ^{4}He nuclei. 379852
Khachaturyan, M.H.
A study of the spectrometric characteristics of the 49B type photomultipliers. 376605
Khachaturyan, M.N.
Investigation of a 90-channel Pb glass Cherenkov hodoscope. 358336
Tuning of a magnetostriction spark chamber system of the "Photon" device by means of a beta source. (JINR – 13-10321) 379856
Khadakhanova, T.S.
Study on electromagnetic conditions in the interplanetary space by means of cosmic rays. 356186
Khadduri, I.Y.
A neutron dosimeter using cellulose nitrate film. 368300
A neutron radiography facility on the IRT-2000 reactor. 368343
Khadyev, M.S.
The Moessbauer study of martensite in manganese and nickel

steels. 369988
Studying hardening and structural transformations of steel 110G13 during friction. 373163
Khadzhi, P.I.
Photodecay of a biexciton. 350741
Khadzhirusev, S.
Peculiarities of radiostrontium and radioiodine kinetic following simultaneous incorporation of a mixture of ^{131}I, ^{85}Sr and ^{137}Cs. 367598
Protective effect of adeturone on protein assimilation in the gastro-intestinal tract following acute X-irradiation. 373531
Khaenko, B.V.
Mutual phase orientation in V-C and V-N systems. 370091
Study on ordering processes in vanadium monocarbide base alloys. 378761
X-ray investigation of lower vanadium carbide in alloys of V-C system after different heat treatments. 354581
Khaeva, L.Kh.
Kinetics of isolation of microimpurity ions by electrodialysis of suspensions of nonsoluble compounds. 359767
Khafizov, R.S.
Study of the intrinsic background noise of a quadrupole mass spectrometer. 371180
Khaibullin, I.B.
The anomalous behaviour of the optical properties of ion-implanted germanium. (INIS-mf - 3996) 377256
Khaimov-Mal'kov, V.Ya
Colour centres in doped corundum crystals. (KFTI - 74-47) 355954
Khaimov-Mal'kov, V.Ya.
Associates model and concentrational decoloration of induced colour in ruby. (KFTI - 74-47) 355955
Khain, V.C.
Mechanism of tungstate-ion reduction by sodium tetrahydridoborate in alkali medium. 351503
Khain, V.S.
Kinetics of vanadate-ion reduction with sodium tetrahydridoborate in alkali medium. 351504
Khairetdinov, K.U.
Asymmetry in the angular distributions of spectator-nucleons. (JINR-E - 1-9814) 377778
Khaitov, R.M.
Factors controlling the recirculation of haematopoietic stem cells. 370360
Factors controlling the recirculation of the stem cells. Communication 2. Influence of adrenocorticotropin on the migration of haemopoietic stem cells from the shielded part of the bone marrow in irradiated mice. 349734
Khajdarov, R.
Activation analysis of defect zones in steel. 356968
Khajkovich, I.M.
Monitor of 14 Mev neutron flux for well pulsed neutron generator. 354660
Khajmenov, A.P.
On calculation of gases solubility in molten halogenides of alkali metals. 364978
Refraction of molten alkali metal bromides and their mixtures. (INIS-mf - 4193) 375580
Khajminov, V.N.
System for acquisition of data from a multi-channel stroboscopic analyzer of signal shape. 376690
Khajnts Shprenger
Multiposition switch for electronic units. (Soviet patent document 488174/A/) 376708
Khajretdinov, R.Sh.
Geologo-technical efficiency of rising thermometry and radioisotopes in investigation of pumping wells in Tataria. 360169
Khajt, V.D.
Plasma energy balance with turbulent transport coefficients for tokamak reactor. (INIS-mf - 3963) 353575
Khajzer, Kh.
High spin levels of sup(144)Nd excited in the (α,2n) reaction. 359457
Khake, V.
Co-operation of the CMEA member countries in the development of different reactor types, including certain aspects of their nuclear fuel cycle. 366143
Khaker, G.
Electron thermal conduction of current-carrying plasma in stellarators. (KFTI - 74-36) 348976
Khakhaev, A.D.
Experimental determination of cross sections of dissociative recombination of helium molecular ions with production of helium ions in different excited states. (INIS-mf - 3915) 348678
Experimental estimation of differential cross-sections of scattering in atom-atom collisions by means of Doppler broadening. (INIS-mf - 3915) 348679
Simple sourse for production of collimated beam of metastable atoms with a variable energy. (INIS-mf - 3915) 348680
Khakhalina, N.E.
Investigation of NH_4VO_3 and H_2O_2 reaction products. 351505
Khakhan, O.V.
Polarized neutron intensive beam on a vertical reactor channel. 371063
Khakimov, P.A.
Action of low radiation doses on the ultrastructure of chick embryo hypophysis. 360269
Ionizing radiation effects on the thyroid gland in chicken embryos. 360277
Khakimova, M.A.
Ultraviolet and gamma-radiation effect on the zymotic characteristics of turnip moth's granules. 349821
Khalatnikov, I.M.
Lagrange hydrodynamic equations for He^3-A anisotropic superfluid liquid. 369251
Viscosity effects in isotropic cosmology. 356184
Khalbaev, A.
Characteristics of the Cherenkov total absorption spectrometer for electrons and gamma-quanta. 371084
Khalboshin, A.P.
Technique for optically dense plasma diagnostics. (Soviet patent document 438920/A/) 356108
Khaldeev, G.V.
Fine structure effect on hydrogen permeation through iron. 375906
Khaldeeva, N.A.
Data reading system from wire spark chambers with ferrite rings. (ITEF - 53) 366060
System of analog and digital data transmission out of a magnetic spectrometer into a computer. (ITEF - 54) 352836
Khalikov, B.S.
Evaluation of ΔH^0_{298} and S^0_{298} of scandium, ytrrium and lanthanide orthophosphates. 351577
Khalil-Zade, F.T.
Differential cross-sections of neutrino and antineutrino scattering on electron in the gauge theories. W-resonance. 359256
Distribution asymmetry and helicity of electrons of the μ-decay in the framework of one-particle exchange models and the restrictions for the masses of the intermediate particles and muon neutrino. 353814
Khalil, M.A.K.
Relativistic wave equations. 350516
Khalil, O.S.
Assignment of aromatic aldehyde spectra from deuterium isotope shifts. 372969
Khalilev, V.D.
Fluorine effect on properties of borophosphate glasses. 378438
Some properties of $BaPO_3F$-Al_2O_3-B_2O_3 system glasses. 378437
Spectral luminescent investigation of fluorophosphate glasses activated by rare earths. 378313
Khalilov, V.R.
Effect of a strong electromagnetic wave on radiation of weakly excited electrons moving in a magnetic field. 348573
Khalimov, F.B.
Production of titanium alloys with uniform distribution of heat resisting metals. 378573
Khalin, N.F.
A chamber for nuclear emulsion irradiation by charged particles. (KFTI - 75-15) 360658
Collimation diaphragm fastener. (KFTI - 75-15) 360659
Khaliullin, Kh.F.
The eclipsing system V 444 CYG(WN 5+06) in the light of emission lines He2 4686, (He2+Hsub(α)) 6563, N4 7112. 374923
Khalkevich, V.A.
Experimental study on nozzles of MHD-generators with deformation of a supersonic flow. 374989
Khalkin, V.A.
Gas-thermochromatographic method for astatine separation. Relative yield of astatine isotopes from uranium. 378495
Khalturin, G.V.
On the hydrolytic behaviour of neptunium (5). 378491
Khalyavin, A.I.
On the non-functional approach in the WKB method. 376949
Khamatdinov, R.T.
Physical grounds for application of scattered gamma radiation to determine the diameter of casing columns. 375985
Khamatdinova, G.S.
Neutron-activation analysis of bauxites and products of their processing. 375225
Khamatshin, A.A.
Cathode processes during gadolinium deposition from chloride melts on solid and liquid electrodes. (INIS-mf - 4189) 375485
Khamaza, A.I.
Definition of CRT automata distortions. (IFVE-OMVT - 75-91) 350348
Khamidov, A.Sh.
The decay of ^{167}Lu(Tsub(1/2)=55 min)^{167}Yb. 354200
Khamidov, D.Kh.
Ionizing radiation effects on the thyroid gland in chicken embryos. 360277
Khamidullina, L.A.
Solid-phase chemiluminescence and electrochemiluminescence of sulfuric-acid solutions of uranyl. (INIS-mf - 4195) 375646
Khamis, M.
Fast neutron doses in HTR reactors. 370976
Khampel', R.
Study on regimes of nuclear power plants with WWER-type reactors. 376500
Khan, A.
Crystal growth and phase studies in ternary rare earth (Ln) tellurides. 365121
Khan, A.A.
Experience in the management of radioactive wastes: scope for regional cooperation. 352851
Management of radioactive waste. An overview of the Indian programme. 368387
Quality assurance of sterilized products: verification of a model relating frequency of contaminated items and increasing radiation dose. 370478

Khan, A.M.
Mirror ft asymmetry in A=12 isobars. 354077
Khan, A.S.
The solubility of hydrogen in tantalum at high temperatures. 354509
Khan, E.
Simulation of transient freezing of cladding in GCFR blanket channels. (CONF-761001 – P4) 362888
Khan, E.U.
Approximate method for predicting temperature distribution in wire wrapped fuel assemblies of a LMFBR. (COO – 2245-37TR) 379787
Khan, F.M.
Physical aspects of electron-beam arc therapy. 363076
Khan, H.A.
Application of glass solid state nuclear track detectors in the measurement of charged particle fission cross-section of uranium. 369494
The development and use of solid-state nuclear track detectors (SSNTDs) for reactor physics experiments. 376709
The measurement of radon and thoron by solid state nuclear track detectors. 371109
Radon and thoron dosimetry by plastic solid state nuclear track detectors. 367375
Khan, H.R.
The influence of fast quenching on phase transformations of alloys. 367221
Knight shift of ^{195}Pt in A15- and sigma-phases of Nb-Pt. 371626
Superconductivity and stoichiometry in the C15 Laves phase HfV_2. 378620
Khan, M.A.
Pakistan's experience in transfer of nuclear technology. 352565
Khan, M.Q.
Static and time-dependent solutions of Einstein-Maxwell-Yukawa fields. 350521
Khan, M.S.
Comparative study of insecticide residues in rice plants. 379160
Khan, N.
Comparative study of insecticide residues in rice plants. 379160
Khan, Q.H.
Temperature factors of UO_2 and UOsub(2.11) by powder elastic neutron diffraction. 362511
Khan, R.A.
A technique for measuring the accumulation of ^{99}Tcsup(m) stannous-ethane-1-hydroxy-1, 1-diphosphonate in the canine tibia. 365437
Khan, T.
Synthesis and ion-exchange properties of a semicrystalline magnesium-selective niobium antimonate. 362135
Khan, T.A.
The β-decay of ^{100}Y: discovery of a very low lying 0$^+$ state in ^{100}Zr. 354219
Studies of ^{132}Sn and ^{133}Sb. (ZfK – 336) 364823
Khan, V.
A study of nuclear power stations equipped with gas-cooled reactors. 379726
Khan'zhin, P.S.
Machining effect on revealing the defects when testing tightness. 373156
Khanaev, E.I.
Formation enthalpy of lanthanum and neodymium trifluorides. 359630
On the enthalpy of yttrium trifluoride formation. 369648
Khandelwal, G.L.
Stabilities and thermodynamics of uranyl(II) and thorium(IV) complexes of 2-mercaptoethanol. 354373
Khandros, Eh.L.
Thermodynamic and X-ray studies into reaction of chlorides of alkali metals, thalium and beryllium. (INIS-mf – 4193) 375615
Khandrov, P.A.
Study of structure and morphology of the hardening phase in the Nb-Zr-C alloy under long-term action of high temperature and stresses in vacuum. 378655
Khanna, F.C.
Elementary excitations in normal liquid ^{3}He. 361447
Khanna, K.M.
Interacting bosons and properties of liquid ^{4}He at low temperatures. 375002
Symmetry coefficient isospin-spin dependence of the single-particle potential, compressibility and rearrangement energy. 377903
Khanna, M.P.
Non-leptonic decays of hyperons and of charmed baryons in SU(8). 353914
Weak radiative decays of hyperons and charmed baryons in SU(4) and SU(8). 359322
Khanna, R.K.
Rajasthan atomic power reactor unit-II containment building integrity and leakage test execution experience. 379447
Khanson, I.P.
A possibility of reparation of mitochondrial DNA of ascitic hepatoma cells in x-irradiated rats. 357577
Khanson, K.P.
Process of transcription in the thymus cells of X-irradiated rats. 378986
Transcription in the thymus cells of X-irradiated rats. 376097
Khanzen, V.
Study of neutron spectra in the BFS-28, BFS-30, BFS-33 fast critical assemblies using CINI and FEI spectrometers with proportional counters of recoil protons. (FEI – 698) 376643
Khao, Yu.
Radiomimetic-induced changes in the lymphoid population of the bone marrow. 362657
Khar'yuzov, R.V.
Nonlinear quasi-axial line for shock electromagnetic wave producproduction. (JINR – 13-8709) 352420
On a possibility of using magnetic pulse generators in linear induction accelerators. (JINR – 9-9523) 363273
Kharabadze, N.E.
Activation analysis of ribonucleic acides isolated from normal and tumoured tissues. (INIS-mf – 3994) 378087
Kharadze, E.K.
Some results of classification of stars in Kapteyn areas applied to galactic structure in NGP. 369127
Kharadze, G.A.
Phase transition of superfluid ^{3}HeB to inhomogeneous state induced by an electric field. 375000
Kharakhash'yan, E.G.
Electron paramagnetic resonance for localized magnetic states in the superconducting La-Er system. 374993
Kharatyan, S.L.
Kinetics of heat release in high temperature nitriding of titanium. 369969
Kharbanda, J.L.
Operational experience and developmental activities in waste management at Trombay. 358500
Precipitation of radio ruthenium with hydrous manganese dioxide. 367147
Kharbash, A.Kh.
Automatic method of acid refining of thin-dispersed zircon. 375930
Kharbov, I.
Scintigraphy with 99mTC-pyrophosphate and 87mSR-acetate of the osteoarticular apparatus of patients with deforming gonoarthrosis. 367705
Kharche, P.G.
Digital model helps review of nuclear power plant control system. 350182
Kharchenko, L.I.
Binding of oxygen upon irradiation of protein solutions of varying concentrations. 370318
Kharchenko, L.S.
Contribution of one- and two-phonon processes into temperature shift and level broadening of impurity rare earth ions. (INIS-mf – 3955) 377214
Kharchenko, L.Yu.
Study of conditions of hydrothermal synthesis of rare earth molybdates in aqueous solutions of potassium molybdate. 351506
Kharchenko, N.F.
Magnetic field induced equivalent noncollinear structures in the cubic ferrimagnetic Gadolinium ferrite garnets. 355984
Magnetic intermediate state in dysprosium orthoferrite. 361451
Kharchenko, V.F.
Angular momentum reduction in the four-body problem. 369433
Kharder, U.
Optical system of the RISK facility (design). (JINR – 13-8550) 361016
Khare, A.
Sum rules for the masses of the 2P- and higher levels of charmonium. 356423
Khare, S.P.
Diffraction of medium energy electrons by hydrogen molecule. 355885
Elastic scattering of electrons by argon atoms. 358766
Khare, V.
A comparison of different sudden approximations for molecular scattering. 361339
Equivalence between the space fixed and the body fixed formulations of the j/sub z/-conserving approximation. 366349
Khargitai, T.
Flow rate measurements by the cross-correlation of thermocouple stochastic signals in circuits with natural convection of a coolant. 379992
Kharichev, I.A.
A difficult point in the condensation hypothesis of star formation. 377602
Kharin, V.F.
Investigation of fission products behaviour in application to fluoride method of oxide fuel regeneration. 378566
Kharina, I.L.
Effect of chromium content on the corrosion resistance of steels in water at high temperatures and pressures. 351670
Kharionovskij, Yu.S.
To the problem of electron scattering in Pbsub(1-x)Snsub(x)Te. 371570
Kharitonov, E.N.
High-voltage nanosecond pulse generator with a symmetrical output. 376700
Thyristor commutator for high-current pulse generator. 376723
Kharitonov, I.A.
Measurement of spectral parameters in slow neutron fields using cadmium ratios for activation detectors. 350341
Kharitonov, K.G.
Relation between coefficients of dynamic viscocity of heavy and fresh water in a liquid phase. 375936
Kharitonov, O.V.
Calculation of elution output curves of transplutonium elements conformably to displacement complexing chromatography. 378471
Effect of Rind of holding ion on efficiency of rare earths separation by means of displacement complexing

chromatography. 378379
Kharitonov, V.V.
Pulse unipolar generator with a gas support of a rotor. (INIS-mf – 3954) 361494
Kharitonov, Yu.I.
Aligned states with high spins. 359412
Kharitonov, Yu.P.
Synthesis of heavy isotopes of Ku in bombardment of Cm by 0 ions. 349134
X-ray CdTe detectors. 376642
X-ray semiconductor spectrometer with light feedback. (JINR-R – 13-10430) 376670
Kharitonov, Yu.Ya.
Coordination compounds of nitrates and sulfates of some metals with isonicotinic acid hydrazide. 375524
Oscillation spectra of zinc, cadmium and copper complexes with nicotinhydrazide. 369716
Studying acetylhydrazine complexes of rare earth chlorides by the infrared-spectroscopic method. 369668
Kharitonova, L.K.
Investigation into reaction of yttrium ions with amino benzyliden phosphonic acid. 369712
Kharlambus, L.P.
To the problem on the complex zirconium disulfate tetrahydrate structure. Studying infrared spectra. 369609
Kharlamov, A.A.
Interaction of conduction electrons with the (110) face of a tungsten single crystal. 348798
Kharlamov, I.P.
Using organic photosensitizers in iodine generation for its photochemical titration. (INIS-mf – 4192) 375443
Kharlamov, S.P.
Comparison of experimental distributions of rapidity intervals in inelastic π^-p interactions at 60 GeV with the multiperipheral cluster model. 369341
A study of inelastic pion-nucleus interactions at 200 GeV/c in an emulsion. 356481
Kharlamov, V.T.
Pulse radiolysis of aqueous solutions of sodium o-iodo-hippurate. 369791
Kharoo, H.L.
Dynamical study of vanadium on a modified CGW model. 371627
Khartsiev, V.E.
Theorems of the Gell-Mann – Feynman type for stationary nonadiabatic systems. 348683
Kharus, R.L.
Determination of rock density by induced radioactivity method. 367352
Kharyukova, V.P.
Nuclear interactions of cosmic rays with the Mars atmosphere and rocks according to data of the Mars-5 space vehicle. 356327
Khashimov, F.R.
The nature of defects arising on tellurium solution decomposition in GaP monocrystals. 377259
Khasin, G.A.
Production of iron-nickel 03Ka28MDT alloy. 349392
Khasina, E.I.
Study on vanadium dioxide properties in millimeter wavelength region at metal-semiconductor phase transition. 350711
Khatanova, N.A.
Phase composition and structures of alloys of RCo_5 type with alloying elements. 349558
Khater, A.H.
Variational principle for non-linear stability analysis. (INIS-mf – 3963) 371775
Khater, R.A.
Amino acid tolerance test using L-β-phenylalanine-^{125}I. 373762
Khatsinskaya, I.M.
Solution temperatures of hardening intermetallic phases in heat-resisting nickel alloys. 369992
Khattak, C.P.
Structural studies of the (La, Sr)CrO_3 system. 365199
Khavskij, N.N.
Cavitation strength of melts of decomposed semiconductor joints of HgTe-CdTe alloy system. (INIS-mf – 3914) 349480
Intensification of homogenizing annealing of Hgsub(0,8)Cdsub(0,2)Te alloy in ultrasonic field. (INIS-mf – 3914) 349384
Physicochemical and technological investigations of separation of aqueous-organic extraction emulsions in systems with TBP in ultrasonic field. (INIS-mf – 3914) 349237
Using erosion activity criterion for the evaluation of optimum conditions for molten alloy ultrasonic homogenization. (INIS-mf – 3914) 349426
Khayrallah, G.A.
Effect of exchange in electron excitation to the 2s state of atomic hydrogen in the Glauber approximation. 358767
Khazan, S.M.
Cooled trap. (KFTI – 75-10) 355150
Khazan, Ya.M.
Cosmic rays in a diffusion model with large halo. 377646
Khazaneh, R.
Project of Esfahan Nuclear Technology Center (ENTEC) and the transfer of nuclear technology to Iran. 352566
Khazanov, B.I.
Device for measuring charged particles fluxes. (Soviet patent document 351465/A/) 377591
Khazanov, G.V.
Mathematical model of photoelectron fluxes latitudinal in the middle-latitudinal ionosphere. 376052
Khazanova, T.P.
Changes in the structure and mechanical properties of the two-phase alloy VKh4 in the process of plastic deformation. 365158
Khazaradze, N.G.
Study on the characteristics of the cascade showers produced by muons in iron in the energy range from 0.3 to 3 TeV. 361656
Khazimkhametov, F.F.
Radiation lacing of rubbers in the presence of polyfunctional unsaturated compounds. 362270
Khe, S.D.
Sorption of uranium (6) from ammonium carbonate solutions by granulated iron hydroxide. 359756
Khefert, M.
Sensitivity of a boron counter in a moderator to high energy hadrons. (INIS-mf – 3846) 350286
Khefter, E.F.
Analysis of the 6 MeV proton scattering on intermediate mass nuclei. 377855
Khegaj, T.A.
Kinetics of irreversible absorption of ^{14}C labelled carbon dioxide by various soils. 349816
Kheinlo, A.G.
Radiative equilibrium of highly nongrey atmoshperes. 351029
Khejfests, V.S.
Study of concentration profiles in films of solid solutions. 354369
Khejfets, M.I.
Measurements of excess carrier lifetime in semiconductor radiation study. (KFTI – 75-35) 353396
Khelkovskaya-Sergeeva, E.G.
On transformations of gem-dimethylcyclopentane and gem-dimethylcyclohexane on the 8th group noble metals. 378224
Khemnits, G.
A direct measurement of the rates of formation of ppμ and pdμ molecules in gaseous hydrogen. 355866
Khenner, V.K.
Combined description of $\pi\pi \rightarrow \pi\pi$ and $\pi\pi \rightarrow K$ anti K processes. 375051
Khennig, K.
On some experiments by means of inelastic neutron scattering at the IBR-30 pulsed reactor. (JINR-R – 14-9790) 374624
Khentigan, A.J.
Instability of Sn(II) reagents to oxidation and hydrolysis: stabilization with ascorbic and erythrobic acid. (INIS-mf – 4010) 369726
Khentshel', G.
Study on regimes of nuclear power plants with WWER-type reactors. 376500
Kher, R.K.
Fast neutron irradiation of aqueous solution of coumarin. 375685
Khersonskij, V.K.
Distortion of the relict radiation spectrum by the hydrogen line lambda=21 cm in epoch z=150 – 15. 369225
Role of HD molecules in formation of primary condensations. 364419
Khesed, E.A.
Device for drift tube alignment. (Soviet patent document 413649/A/) 355191
Khidesheli, G.I.
Protection of aliphatic alcohols by thiols. (INIS-mf – 3782) 349359
Radiation-chemical synthesis of some organic sulfur compounds. (INIS-mf – 3782) 351651
Radiation-chemical transformation of organic sulfides. (INIS-mf – 3782) 357171
Radiation-chemical transformation of thiourea. (INIS-mf – 3782) 349358
Radiation-chemical transformations of compounds with sulfhydryle group. (INIS-mf – 3782) 349357
Khidirova, T.A.
Elimination of effect of rock composition on spectral determination of niobium and tantalum. 372915
Khieseli, E.M.
On oscillations of plasma placed in a storng alternating electric field. (INIS-mf – 3255) 350964
Khiet, T.
Nonlinear propagation of the ordinary mode in a hot magnetoplasma. 368965
Khiet, Tu
Nonlinear propagation of the ordinary mode in a hot magnetoplasma. (IPPJ – 265) 353573
Khije, YA.V.
Development of determination method of chlorine dissolved in crystal lattice of luminophore on base of CdS and CdSe. (INIS-mf – 4191) 375512
Khikmatov, Sh.
Study of large-size molybdenum monocrystal structure prepared by electron beam droplet melting. 349436
Khilkov, Yu.V.
Measurement of captured gamma quanta yield from an organic scintillator when irradiated with fast neutrons. 376606
Khimchenko, L.N.
Vertical plasma stability in the T-12 finger-ring tokamak with two poloidal divertors. (INIS-mf – 3963) 371761
Khiminets, V.V.
Two-threshold switching in glass-like Cu-As-Te-I films. 348802
Khirunenko, L.I.
Absorption and luminescence of CdS crystals activated by Nd ions. (INIS-mf – 3955) 377189
Khisamov, B.A.
Kinetics of accumulation of ClO_3 radicals in irradiated chlorates of sodium and potassium. 375715

Mechanism of formation and decay of ClO_3 radicals in irradiated $KClO_3$. 375713
Secondary reactions of products of low-temperature radiolysis of sodium and potassium chlorates. 375714
Khisamutdinov, A.I.
Numerical study of the dependence of stationary distribution of photoneutrons on the rock parameters. 367365
Khitrov, V.A.
Study on low-energy gamma rays in the ^{147}Sm (n, γ) reaction with resonance neutrons. (INIS-mf – 3897) 356860
Khizhnyak, A.I.
Investigation of disagreement of heterogeneous broadening of different electron transitions of Nd^{3+} in crystals and glass. (INIS-mf – 3955) 378359
Khizhnyak, V.I.
System for SHF plasma heating in the "T-10M" facility. (INIS-mf – 3954) 361485
Khlebalkin, A.V.
Radiation-induced defects in silicon and germanium and a secondary emission method. (INIS-mf – 3996) 363936
Khlebnikov, A.S.
Shower spectrometer with a combined radiator. 361015
Khleskov, V.I.
Increasing accuracy of definition of conversion peak half widths from spectrometric reference sources by means of a computer. 376249
Khlestkov, Yu.A.
Interaction of two charged media in the theory of a self-consistent field. 366277
Particle-like solutions in the theory of a relativistic self-consistent field. 366276
Khlobystin, P.B.
Subnanosecond silicon detector. 371074
Khlopov, M.Yu.
Primary black holes and the deuterium problem. 369238
Khlystova, A.D.
Volatility of some elements in direct current arc. 364882
Khmelevski, E.
The A-1 type crate controller in the CAMAK standard. 363608
Binary-decade reversible counter in the CAMAC standard. 376727
Binary-decimal reversible counter in the CAMAC standard. (JINR – 10-8960) 374379
Block data transmission in the CAMAC standard. (JINR – 10-8614) 350377
Module for the organization of a branch of the universal branch driver in the CAMAC standard. 376725
Register reading with nonzero infiormation in the CAMAC modules in the address scanning regime. (JINR – 10-8615) 361085
Khobotova, G.M.
Kinetics of deposition of alkaline earth metals on liquid metal cathodes during electrolysis of chloride melts. (INIS-mf – 4189) 375602
Khochtinat, N.
A specialised image analysing instrument for caryotype automatisation. 355618
Khodakov, Yu.S.
Catalytic activity of oxides of chromium, manganese vanadium, tungsten and molybdenum during hydrogenation of ethylene. 369642
Study of the state of water in Y type zeolites. 354340
Khodakovskaya, R.Ya.
ESR in irradiated alumosilicate glasses containing chromium and titanium impurities. 378795
Khodataev, K.V.
Spiral density waves as solitons in gaseous or stellar disks. 369124
Khodirev, Ju.P.
Structure and composition of thin films which are forming at sputtering of nickel and palladium in the atmosphere of hydrogen. 368812
Khodos, I.I.
Peculiarities in formation of dislocation loops in silicon following ion implantation of boron and phosphorus and subsequent annealing. 367336
Khodos, M.Ya.
Chemical preparation and properties of new complex orthovanadates $M_3^+ M^{3+} (VO_4)_2$ and $M_2^+ M^{4+} (VO_4)_2$. 351488
Determination of formation heats of Msub(x)V_2O_5 oxide vanadium bronzes of potassium and lithium of β type. 369691
Formation heat of β-Nasub(x)V_2Osub(-) type oxide sodium-vanadium bronze. 378370
Khodos, R.S.
On quality of metal rolled using elastic oscillations energy. (INIS-mf – 3914) 349537
Khodosov, E.F.
Rare earth ions effect on nuclear spin-lattice relaxation in metal-hydrogen compounds on the transition metal base. (INIS-mf – 3955) 377215
Khodovoj, V.A.
Light inelastic scattering and transitions of colliding atoms into bound molecular state. 361336
Khodyrev, V.A.
Analysis of backscattering energy spectra and determination of energy loss of channelling particles. 371672
Khodzhaev, L.Sh.
Superpropagators for exponential interactions with minimal singularities on the light cone. (JINR-R – 2-10537) 374591
Khodzhaev, O.F.
Study of dithiocarbamides of zinc and cadmium acetates by means of infrared spectroscopy and differential thermal analysis. 354341
Khoe, K.
Ultra-short pulses of heavy ions. 360713
Khoe, T.
Pellet fusion by high energy heavy ions. 363176
Khoe, T.K.
Longitudinal and transverse space charge limitations on transport of maximum power beams. 363274
Khofmokl', T.
Interactions of high-energy particles with nuclei. (JINR-D – 1,2-9342) 356437
Khohklov, A.F.
Inhomogeneity of amorphous layer produced by ion bombardment of a semiconductor. 371601
Khokhlachev, P.P.
Thermal magnetoresistance of crystals of mercury telluride with cadmium. 350703
Khokhlov-Nekrasov, O.G.
Large pipes of 15 gs, 14 khgs, and 30 khma steels for chemical high-pressure equipment. 375784
Khokhlov, A.I.
Study of thermal decomposition of $EuCl_3x6H_2O$ by high-temperature infrared spectroscopy. (INIS-mf – 4187) 375414
Khokhlov, L.K.
Complex study on a base-load MHD power station of open cycle. 349042
Efficiency of various systems for lead-in and lead-out of an ionizing additive for a power station with an open-cycle MHD generator. 356355
Khokhlov, M.Z.
Electrostatic analyzer for charged particles. (Soviet patent document 321165/A/) 379985
Some data about near-earth shock wave structure, obtained by measuring alpha-particles at "Prognoz" satellite. 349676
Khokhlov, N.P.
Destruction of metallic foils under laser radiation. 365122
Khokhlov, V.A.
E.m.f. of cells with molten alkali metal chlorides. (INIS-mf – 4193) 375401
Effect of Dy^{3+} ions on transitions into atiferromagnetic state in substituted orthoferrites. 358868
Thermal conductivity of molten alkali metal halide binary mixtures. (INIS-mf – 4193) 375557
Weak ferromagnetism and magnetic structure of $TlMnCl_3$. 371596
Khokhlov, V.V.
Development and prevention of porosity in the fusion welding of thick titanium alloys. 351711
Khokhlov, Yu.A.
Gamma rays in neutron inelastic scattering on Al and Fe nuclei at neutron energy range 0.8 – 10 MeV. (INIS-mf – 3897) 359520
Prompt neutron multiplicity in induced and spontaneous fission of nuclei. (INIS-mf – 3896) 356801
Total cross-sections of gamma ray production in neutron inelastic interaction with rhenium and lead nuclei. (INIS-mf – 3897) 356869
Khokhlova, A.I.
Investigation into formation of zinc and cadmium acetate complexes in solutions by solubility method. 362178
Khokhlova, V.L.
Molecular lines of CH in spectrum of the 73 Dra magnetic variable star. 374948
Reconstruction of local line profiles from observed ones in the Ap-star spectrum. 369085
Some regularities of element abundance in main sequence stars and nucleosynthesis. 369128
Khokhlova, Z.S.
Interactions of multiple-charge nuclei of galactic cosmic radiation with emulsion nuclei. 361707
Khokonova, T.N.
Density and volumetric properties of the lithium (sodium, potassium) molybdate (tungstate)-lithium (sodium, potassium) chloride molten system. (INIS-mf – 4193) 375607
Khol'nov, Yu.V.
Half-life of sup(242)Pu. 377983
Kholan, S.
Effect of highest configurations of the alpha-particle internal wave function on alpha transtion probabilities in spherical nuclei. 377904
Kholashvili, A.A.
Null-plane quantization and quasipotential equation for composite particles. (JINR-D – 1,2-10400(v.1)) 376919
Kholbaev, I.
Double magnetic-lens beta spectrometer for lifetime measurements of nucleus excited states. (JINR-R – 13-9516) 355491
Kholkin, P.Ya.
Possible mechanism of hard alloy strengthening by shock waves. 367288
Kholmogorov, A.G.
Prototype testing of the ANKB-10 ampholyte for molybdenum extraction. 375769
Kholnov, Yu.V.
Some characteristics of ohmic heating plasma in the L-2 stellarator. (INIS-mf – 3963) 371712
Kholod, Yu.V.
On the solution of the vacuum problem for thermonuclear systems. 368939
To the solution of vacuum problem in thermonuclear facilities by cryogenic methods. (INIS-mf – 3954) 361527

Kholodilov, V.V.
Determination of the rock clayiness from statistically standardized gamma-logging diagrams. 349634
Kholodnyj, B.I.
Some pecularities of changes in resistance to plastic deformation of structural materials under the effect of ultrasonic oscillations. (INIS-mf – 3914) 349450
Kholodnyj, V.I.
Variation of plastic deformation resistance of metals under high-frequency vibrations. 369970
Kholodov, N.I.
Effect of chemical bonds on the process of μ^- – meson capture in crystals. (JINR-R – 1-10832) 377008
Kholomaj, B.V.
On the radial- and velocity distribution of electrons in an accelerator. 360734
Kholyavin, I.I.
Calculation of eikonal amplitude for singular potentials. (INIS-mf – 3915) 348694
Khomasuridze, Zh.F.
Radiation-catalytic processes in some microheterogeneous systems. 373071
Khomenko, B.A.
A direct measurement of the rates of formation of ppμ and pdμ molecules in gaseous hydrogen. 355866
Khomenko, V.S.
Anti-Stokes luminescence of (GdEr)OCl and (GdErYb)OCl systems. (INIS-mf – 3955) 377237
Khomenkova, K.K.
Radiation-vulcanized rubber mixture. (Soviet patent document 461934/A/) 378529
Khomich, F.G.
An experimental plant for the investigation of radiolysis in liquid, gas-liquid and gaseous media. 349352
Khomskij, D.I.
Cooperative Jahn- Teller transition with tripling of a period: $CsCuCl_3$. 368813
On electron phase transitions followed by valence variation in rare earth compounds. 348800
Khomutov, N.Y.
Effect of halide salts on potassium peroxoborate decomposition. 349238
Khomyakov, A.M.
Ionizing radiation-induced solidification of the urea-formaldehyderesins. (INIS-mf – 4194) 376279
Khomyakov, G.K.
Some applications of the method of element analysis by proton-excited x-radiation. 359573
Khomyakov, R.V.
Universal method of sample preparation for spectral-isotopic determination of nitrogen in natural biological subjects. 349174
Khon Cher Sun
Relativistic nucleus dosing for two-meter propane chamber. (JINR – 13-10353) 379891
Khon, Yu.A.
On the quantum-statistical calculation of metal energy. 369980
Khoo, F.
Uranium anomaly in Black Sea sediments. 351956
Khoo, T.L.
High-spin level structure of ^{188}Pt. (ZfK – 336) 364758
Island of high spin isomers near N = 82. (ZfK – 336) 364811
Island of high-spin isomers near N = 82. 367001
Khopkar, P.K.
Synergistic extraction of some trivalent actinides and lathanides by thenoyltrifluoroacetone and aliquat chloride. 359631
Khopkar, S.M.
Anion-exchange separation of uranium (VI) from thorium, zirconium, titanium, lanthanides and other elements in malonic and ascorbic acid media. 367025
Khora, Kh.
Increa-e of thermonuclear field on fast implosion of cold shell targets by means on nonlinear interaction of laser radiation with plasma. 350882
Khorani, Sh.
Flow rate measurements by the cross-correlation of thermocouple stochastic signals in circuits with natural convection of a coolant. 379992
Khorasanov, G.L.
Plasma heating in the process of parametric turbulence near the lower hybrid frequency. (SFTI – 5) 350827
Khorassany, M.
The production of energetic neutrals by saddle field ion sources. 370675
Khorev, A.I.
Effect of pickling on some titanium-base alloys depending on their structures. 369891
Khorev, V.S.
On the calculation of the temperature field in the fuel microelements of nuclear reactors. 357901
Khorina, G.Ya.
Stability of titanium alloys under conditions of intensive ultrasonic cavitation. (INIS-mf – 3914) 349371
Khorishko, B.A.
Kinetics of deposition of alkaline earth metals on liquid metal cathodes during electrolysis of chloride melts. (INIS-mf – 4189) 375602
Khoromskaya, V.Kh.
Primary principles of the ES-5012 magnetic storage device use in the SDS-1604A computer. (JINR – 11-9188) 352829
Khorosheva, V.B.
On solidification kinetics of bath in pulsed arc welding of sheet materials. 375795
Khorosti, J.
Input device for the DIN-1M spectrometer. (JINR – 10-9154) 352828
Khorozov, S.A.
On cross-sections of interaction of relativistic alpha-particles with nuclei. (JINR-R – 1-10592) 375151
Starting system for a 2-meter streamer spark chamber in a 17 GeV/sec α-particle beam. (JINR – 13-9030) 358334
Khoruzhij, A.I.
Continuous radiometric control of P_2O_5 content in phosphorite ore pulp. 349614
Khorvat, P.
Automatic control of delays in coincidence circuit channels. 371169
CAMAC module for control of the high-voltage power-supply for a photomultiplier. 361078
Khoshdurdyev, Kh.O.
Catalytic synthesis of aromatic diisocyanates by means of carbonylation of nitrocompounds with carbon monoxide. 375525
Khoshmukhamedov, R.A.
Search for new short-lived particles in 70 GeV/c proton collisions with nuclei of photoemulsion. 369352
Khoteev, N.V.
Coordinate device for moving a primary measuring transducer in a liquid flow. (FEI – 587) 352394
High-temperature chamber for polycrystal studies with neutron radiography. 350358
Khotilovskaya, T.G.
Strong active areas and disturbances of the interplanetary medium. 356271
Khotsyanova, T.L.
Iodine-127, bromine-79, chlorine-35 NQR spectra of diphenyl- and (p-chlorophenyl)phenylhalonium tetrafluoroborates. 359664
Khovanskij, N.N.
A direct measurement of the rates of formation of ppμ and pdμ molecules in gaseous hydrogen. 355866
Khovansky, V.D.
Further search for muonic pairs in the neutrino and antineutrino beams at the IHEP 70 GeV accelerator. 353927
Observation of muon pairs in neutrino interactions at Serpukhov 70 GeV accelerator. 361870
Khoze, V.A.
Energy spectra of secondary leptons in the $e^+e^- \rightarrow L^+ + L^-$ process. 369263
Properties of heavy leptons and their effects on the $e^+e^- \rightarrow$hadrons reaction. 356386
Khramov, V.P.
Synthesis and investigation into protonated of rare earth pyrocatecholmethyleneiminodiacetates of yttrium subgroup. 351507
Khramov, V.Yu.
Passing and absorption of 5-30 keV electrons in massive solids. 356557
Khrapachevskij, V.N.
Comparative study of the absorbed dose rate of mixed gamma and neutron radiations in the WWR-M reactor experimental channel for biological studies. 379381
Khrapov, V.V.
Investigation into electronic structure of some C-substituted of dicarbaclosododecarboranes using IR and NMR spectroscopy. 364932
Khrennikov, N.N.
Heterogeneous effects on experimental integral parameters of subcritical assemblies. 360784
Khrenov, B.A.
Study on spatial and energy distributions of muons from extensive air shower by means of a magnetic spectrometer. 362615
Violation of scale invariance in hadron interactions at super-high energies. 356336
Khrenov, Yu.N.
Way of preparation of aqueous solutions containing ruthenium compounds. (Soviet patent document 469665/A/) 354348
Khrenov, Yu.V.
Use of the "Start" system instruments in the automation circuits of bubble chamber technological process. (JINR – 13-9166) 350337
Khrenova, G.P.
Choice of optimum conditions for X-ray spectral analysis by the method of internal standard and their application to certification of standard samples. 364903
Khrienko, A.P.
Induced chemiluminescence of the blood plasma of rats in early postirradiation periods. 370365
Khripkina, Z.V.
On the interaction of uranium(6) and uranium(4) oxides with zirconium pyrophosphate in melts of alkali metal chlorides. Products of interaction (uranium phosphates). 369748
Voltammetry of products form chlorination of dioxides of uranium. plutonium, americium and cerium with tetrachloromethane in the NaCl-KCl melt. (INIS-mf – 4189) 375622
Khripkov, Yu.F.
Thermal stresses in the metal-silicide coating system. 369869
Khriplovich, I.B.
Does the neutrino background lead to the rotation of light polarization plane. 350517
Possibilities for studying weak interactions in atomic physics. 371520

Khripunov, B.A.
Effect of slag-and-metal surface properties on the refining of stainless steel. 349398
Khrisanfov, Yu.V.
Study on the excitation function of the ^{116}Cd(dn)sup(117m,g)In reaction. 378080
Khristenko, I.N.
Beryllium strain hardening. 375846
The nature of zirconium plastic deformation. Part 2. (KFTI – 76-51) 375845
Khristenko, P.I.
Plutonium and uranium recycle and neutron regeneration in a thermal power reactor. 379572
Khristianov, V.K.
Method, equipment and main results of the measurement of the Venusian rock density on 'Venera-10'. 373965
Khristiansen, G.B.
Samarkand complex facility for study on extensive air showers at the energy > $2x10^{14}$ eV. 363581
Some characteristics of nuclear interactions on the basis of study on extensive air showers. 361708
Study on spatial and energy distributions of muons from extensive air shower by means of a magnetic spectrometer. 362615
Study on spatial distribution of muons in extensive air showers of different age. 362605
Violation of scale invariance in hadron interactions at super-high energies. 356336
Khristov, Kh.D.
Stress effect on martensite tempering process. 349457
Khristov, L.G.
Real part of the amplitude and a parameter of inclination of differential cross sections for pd elastic scattering at 30 and 50,7 GeV. (JINR-D – 1,2-9342) 356529
Khristova, E.Khr.
Neutral current effects in e^+ e^- annihilation into a baryon-antibaryon pair. 375034
Khristozova, A.
Morphometric electron microscopy study of changes in endometrial epithelial cells after irradiation with a dose of 1,000 rads. 379023
Khromchenko, V.B.
On the intensity of the electron synchrotron with cyclotron preacceleration. 350082
50 MeV electron synchrotron with cyclotron preacceleration. 350092
Khromov, G.S.
Planetary nebulae. 356269
Khromov, V.N.
Electronic flowmeter for absolute measurement of the scattering-target density. (INIS-mf – 3915) 350384
Khromov, V.P.
Preparation and investigation of protonated pyrocatecholmethylene-iminodiacetates of cerium subgroup rare earths. 349239
Khromov, V.V.
Light inelastic scattering and transitions of colliding atoms into bound molecular state. 361336
Khruliova, L.S.
A study of recording possibilities of emulsions in autoradiography conditions. 368276
Khrunov, V.S.
Study on gamma and neutron radiation effects on Ge(Li) detector performances. (NIIAR-P – 267) 358458
Khrupova, G.A.
Radiosource dimension effect on temporal spectra of interplanetary scintillations. 374870
Khrushchev, M.S.
On metal oxide interaction with carbon. 375481
Khrushchev, V.A.
Multi-channel ignition system for spark gaps. 376672
Stabilization of time characteristics of the Arkad'ev-Marks. 358405
Khrushchev, V.N.
Experimental study on a cooling system with underheated liquid helium. (INIS-mf – 3954) 361524
Khrust, A.R.
Radioactive and alkaline elements in metasomatites of gold-and-silver deposits of Kazakhstan. 375982
Khrustalev, B.N.
Reaction of molybdenum trioxide with molten iron alloyed by vanadium and tungsten. 349240
Khrustalev, O.A.
Bogolyubov method application to quantization of boson fields in the neighbourhood of classical solution. (IFVE-OTF – 76-21) 348613
Khrustalev, V.I.
Nuclear transformations in vanadium, molibdenium and niobium base alloys used as structural materials in thermonuclear reactor blankets. (INIS-mf – 3954) 361439
Khrustalev, Yu.A.
Radiation action of mechanoelectrons. 369794
Khrustaleva, L.A.
Reaction of molybdenum trioxide with molten iron alloyed by vanadium and tungsten. 349240
Khryaeva, T.A.
On preparation of samarium, europium and gadolinium oxychlorides. 375472
Khryashche, L.A.
Computer analysis of microstructures for estimating the effect of β-radiation on the skin. 362693
Khubrikh, M.A.
On the effect of welding conditions and welded sample rigidity on intergranular slipping in welded joints. 357212
Khudoleev, A.V.
Some characteristics of ohmic heating plasma in the L-2 stellarator. (INIS-mf – 3963) 371712
Khudorozhko, G.F.
X-ray electron study of character of electron density distribution in oxygen containing extractants. 351617
Khudyakov, A.M.
Investigation of function of ceramic oxygen electrode in molten eutectic of potassium and lithium chlorides. (INIS-mf – 4189) 375554
Khudyakov, I.F.
State and prospects of using extraction and sorption in the production of zinc and cadmium. 367139
Khudyakov, S.V.
Semiclassical approximation for simplest inelastic processes. (INIS-mf – 3915) 348695
Khudyakova, R.V.
Uranium (4) compounds with chlorosubstituted derivatives of acetic acid. 362237
Khudyakova, T.I.
Gas interaction with metal under ultraviolet irradiation. 357283
Khukharev, V.V.
Development and study on a model of a liner for a pulsed theta pinch reactor. (INIS-mf – 3954) 361492
Study on annular jet flow for the case of liner of a pulsed thermonuclear reactor. (INIS-mf – 3954) 361493
Khukhareva, I.S.
On the calculation of the effective resistance of a fine-dispersed superconductor in a two-component matrix. (JINR-R – 8-9453) 366286
Study on rhosub(f)(H,T) in type-2 superconductors. (JINR – 8-8015) 349047
Khukhareva, N.N.
Processes on metal surface during its electropolishing. 349291
Khukhlin, Ya.I.
Double inversion of the Hall coefficient in p-type Pbsub(1-x)Snsub(x)Te solid solution. 358884
Khukhunashvili, Z.V.
Group structure of space and field. 374568
Space and field geometry. 348595
Space and field symmetry. 348594
Khun'adi, I.
^{28}Si levels excited in the ^{27}(pα)^{24}Mg reaction at proton energy from 1540 to 2220 keV. 378085
Khupse, S.S.
Effect of ^{60}Co and ethyl methane sulphonate on growth and fruit development of capsicum annum. 352141
Khuri, N.N.
Borel summability and the renormalization group. 371395
Khurshudyan, L.S.
Energy resolution of a scintillation counter with a large NaJ(Tl) crystal. 358337
Khurshudyan, S.A.
1,4-shift of bromine during alkynes acylation with α-bromoacyliumtetrafluoroborates. 372970
Khusainov, A.Kh.
Metal-p-semiconductor-metal structure on the basis of CdTe as a spectrometric detector for nuclear radiation. 376600
On the possibility of thermal neutron detection by cadmium telluride detectors. 379958
X-ray CdTe detectors. 376642
Khvan, D.V.
Estimating Baushinger effect from the reverse torsion test results. 360747
Khvastunov, M.S.
Investigation of a 90-channel Pb glass Cherenkov hodoscope. 358336
Khvastunov, V.M.
Bibliography on high-energy electron scattering by atomic nuclei (1971-1974). (KFTI – 76-31) 375136
Khvoshchev, S.S.
CaE-T zeolite – a new effective adsorber for vacuum technique. (KFTI – 75-10) 355132
Khvostionov, V.E.
Activation analysis system for laboratory with "Gidra" pulsed reactor. 349952
Khvostov, V.A.
Interimpurity hole transitions in cadmium sulphide. 349214
Khyubener, Z.
The volatility of mendelevium and its binary compounds. (JINR-R – 6-10334) 378500
Kiang, G.C.
The reaction ^{27}Al(P, α_0)^{24}Mg from Esub(p) = 1.120 – 3.080 MeV. 366982
Kiba, Toshiyasu
The standard reference materials and the precision of analytical values in environmental analysis. 359560
Kibardin, A.S.
Induction storage with current electromagnetic multiplication. (INIS-mf – 3954) 361563
Kibbee, S.E.
Influence of liquid heat conduction on maximum pressure during transient film boiling from a sphere to a saturated liquid. 352369
Kibbey, A.H.
Source terms for radioactive gaseous effluents from a model high-level waste solidification facility. (ORNL/NUREG/TM – 67) 380046
Summary of the ORNL-sponsored reactor radwaste management

workshop. (CONF-770912 – 2) 374413
Kibler, M.
Ligand field parameters for europium(III) in gadolinium, yttrium, and lutetium orthovanadates. 355880
Kibler, R.F.
Solid-phase radioimmunoassay for the detection of antibodies to myelin basic protein. 362831
Kibune, Tadashi
Simultaneous temperature measurement of ionospheric plasma and neutral atmosphere with K-10-11 rocket. 349683
Kichaeva, G.S.
Megaampere current commutation in capacitive storages for thermonuclear reactor power supplies. (INIS-mf – 3954) 361521
Kichimi, H.
Inclusive Λ, anti Λ and Σ^{+-}(1385) production in 405 GeV/c pp interactions. 377810
Kick, M.
Measurement of the poloidal field in the Pulsator tokamak using a neutral Li beam in conjunction with the Zeeman effect. (INIS-mf – 3963) 374840
Kiczka, W.
Radioimmunologic determination of Hepatits B antigen by the steady phase method. 367719
Kida, Toshiyuki
Anatomic localization of scintillation colour image by means of simultaneous colour polaroid film photographing of emission scintiphoto and transmission scintiphoto. 349846
Kidder, R.E.
Basic requirements of laser fusion power production and laser fusion-fission plutonium breeding. 371913
Theory of homogeneous isentropic compression and its application to laser fusion. 371914
Kidin, I.N.
Rapid borating from pastes. 357286
Kidner, S.H.
Computer control of the beam transport system of the Chalk River electron test accelerator. (AECL – 5544) 365753
Kido, H.
Formulation of the sensitisation in LiF thermoluminescence based on a simple two-step reaction rate model. 378816
Kido, Hiroshi
A new factor from enteric bacteria of rats amplifying induction of liver enzyme by glucocorticoid. Pt. 2. 360376
Kido, Katsu
Pressurized water reactor nuclear power training center. 350226
Kido, Toru
Basic study of an introduction of ^{123}I to thyroid examination with RI in vivo. 379186
Kido, Yasumasa
Radiolysis of benzyl alcohol in aqueous solution by external gamma-irradiation. 359781
Kidyarov, B.I.
α-$LiIO_3$-HIO_3-H_2O system at 40 deg C. 359691
Kiefer, H.
Health physics assistant. A special training in health physics in the Federal Republic of Germany. 355678
Kiefer, J.
Cellular radiation effects and hyperthermia. 376061
Cellular radiation effects and hyperthermia. Comparison of different treatment schedules and their relation to recovery processes in diploid yeast. 378964
Kiefer, M.L.
Mass asymmetry and total-kinetic-energy release in the spontaneous fission of ^{262}[105]. 369464
Kieffer, F.
Primary trapping and solvated electron yields. 357157
Kieffer, R.
Activation analysis with cyclotron-produced fast neutrons. 356983
Kiefhaber, E.
Safety analysis aspects of a 2000 MWe LMFBR core. (CONF-761001 – P1) 363022
Kiehl, J.T.
Quark model calculation of the mass spectrum of charmed mesons. 359275
Kiekbaev, I.D.
On effect of R radicals in RCOOH monocarboxylic acids on stereochemical functions of carboxylic groups in rare earth carboxylates. 349197
Kielsznia, J.
Betatron activation analysis of cupriferous flotation pulp. 355104
Kielsznia, R.
Adaptation of the industrial betatron produced in Poland for medical applications (preliminary dose measurements). 367832
Kiem, J.
Application of radioactive tracers for the assessment of lymph drainage of the inner eye. (INIS-mf – 4010) 370439
Investigation of lymph drainage of the rabbit's orbita with different lymphotropic radioactive tracers. (INIS-mf – 4010) 370448
Radiocardiographical investigations on the influence of ethanol on the ejection fraction in healthy persons. (INIS-mf – 4010) 362836
Kienboeck, M.
Bursting protection for pressure vessels. (German (F.R.) patent document 2510666/A/) 350221
Kienel, G.
Fabrication of transparent conductive films by sputter deposition. 368815
Ion plating with electron beam evaporation. 377200
Some properties of Cu films sputtered into thin layers of Cr and CrNi. 368814
Kiener, C.
Kinetics of ligand exchange between a uranium(IV) β-diketonate and free β-diketone. 362233
Kiener, E.
Heat utilization of nuclear power stations within the total energy concept. 371234
Kienle, P.
delta rays from K-shell ionization induced by heavy ions. 358768
Positron production in superheavy ion-atom collision systems. 376966
Kienzle-Focacci, M.N.
Amplitudes and exchange mechanisms for K* resonances produced by the reactions $K^+p \rightarrow K^{*+}p$ at 10 GeV/c. 356488
Kier, P.H.
Physics calculations for the Clinch River Breeder Reactor. (ANL – 77-27) 371029
Kiera, M.
On the monopole-dyon system in non-Abelian gauge theories. 361283
Kiersch, J.J.
New concepts of control centre design and development. (KFK-PDV – 106) 368338
Kierzek, J.
Determination of plutonium in the presence of uranium by alpha spectrometry. (INR – 1478/22/C/C) 375300
Determination of radiolytic decomposition of tributylphosphate using ^{95}Zr and ^{95}Nb isotopes. 349362
On-line control of nuclear fuel reprocessing. 375748
Kies, W.
Enhancement of neutron yield from Focus devices. (INIS-mf – 3963) 371787
Kiese, H.J.
Further development of the instrument and technique for photometric evaluation of autoradiograms. 355613
Kiesel, R.
Reactor theory and physical experiments. (KFK – 1277/2) 370795
Kiesewetter, W.
Modern methods of personnel dosimetry. (UCRL-Trans – 11248) 361042
Kiesl, W.
On the chemism of grain size fractions of the lunar rock 14305. 364883
Kiesling, C.
New information about the kaon-nucleon-hyperon coupling constants g(anti KNΣ(1197)), g(anti KNΣ(1385)) and g(anti KNΛ(1405)). 356497
Kiessig, G.
Neutron cross section evaluation for ^{93}Nb in the energy range from 30 keV to 20 MeV. (INIS-mf – 4043) 366938
Kiessling, M.
Production of pure pyrimidin derivative labelled with tritium. 1. 373025
Kiessling, R.
Bone marrow transplantation immunology. 370372
Kietzer, K.
Safety analysis of the THTR-300-MW(e) prototype reactor and future HTRs under extreme accident conditions. 370968
Kigawa, Akiko
Study on sterilization of various kinds of sanitary materials with radiation. 354956
Kight, J.L.
Improved myocardial infarct localization by combination of scintigraphy and ventricular wall motion evaluation. 362795
Kiguchi, Masayoshi
The finite temperature nucleon matter, 1. 359413
Kiguchi, Takashi
Control instrument of a nuclear reactor. 350189
Fuel assemblies in a reactor. 360907
Fuel assembly for nuclear reactor. 368108
Local power region monitor in a boiling water reactor. 350184
On-line reactor simulator. 360900
Kihara, M.
Beam lifetime in the initial operation of KEK main ring. 363134
Prototype multipole magnets for the KEK main ring. 363135
TRISTAN ep project. 363269
Kijko, V.S.
Spectral-luminescent properties of double molybdates with palmierite structure. (INIS-mf – 3955) 366470
Kik, A.
An analysis of injuries due to irradiation of keloids with Roentgen rays in children. 373569
Kikiani, B.I.
Ionization of rare gases in ion-atom collisions in the energy range 0,25-4 kev. (INIS-mf – 3915) 348696
Production of slow cations on ion-atom collisions of rare gases in the 0,25 – 4 KeV energy range. (INIS-mf – 3915) 348697
Kikindai, T.
The kinetics of the U(IV)-Fe(III) reaction in water-ethylene glycol and ethylene glycol media. 357105
Kikkawa, Keiji
Non-linear strings. 359276
Kiknadze, G.I.
Method for fabrication of neutron activation detectors. (Soviet patent document 308659/A/) 368270
Kikoin, I.K.
Experimental reprocessing of irradiated uranium fuel from BOR-60 reactor by fluoride volatility method. (NIIAR-P – 18(284)) 373122
Pilot plant reprocessing of the BOR-60 spent uranium fuel by using fluoride volutility method. (IAEA-AG – 63-21) 362336

Kikuchi, Eiji
Method for disposal of liquid waste in an atomic power plant. 368384
Method of preventing stress-corrosion cracking on liquid-waste concentration apparatus in nuclear power plants. 368386
Kikuchi, Hiroshi
Failed fuel element detector. 368109
Method and apparatus for inspecting failed fuel. 350156
Kikuchi, J.
The effect of transition radiation on the ionisation loss of relativistic electrons passing through a gas proportional counter. 374323
Kikuchi, Jun
Telescope for observation of cosmic ray isotopes. 379876
Kikuchi, Koji
Design of shielded voltage divider for impulse voltage measurement. 350363
Kikuchi, M.
Development of a laundry waste treatment system. 358488
Tokamak plasma heating by application of strong poloidally induced electric field. (INIS-mf – 3963) 371896
Kikuchi, Makoto
Method of filling with radioactive wastes. 380017
Method of removing iodine in reactor container. 368110
Method of storing radioactive wastes. 380018
Kikuchi, R.
Ternary phase diagram calculations. I. General theory. 357287
Ternary phase diagram calculations. II. Examples of clustering and ordering systems. 357288
Kikuchi, Shinki
Some considerations on the performances of direct current electromagnetic pump affected by values of magnetic flux density. 355147
Kikuchi, Shoji
The extraction of rhenium(VII) from sulfuric acid solution by trioctylamine in benzene. 359632
Kikuchi, T.
Subsolidus phase equilibria in the system $Bi_2O_3 - TiO_2 - Nb_2O_5$. 362495
Kikuchi, Tadashi
Comparison of surface sputtering characteristics by a low energy secondary ion mass analysis using a quadrupole type analyser with those by Auger electron spectrum analysis. 354311
Kikuchi, Tadatoshi
Some features of mutator genes, mutT, mutS and mutL, in Escherichia coli K-12. 373486
Kikuchi, Takahiko
Residue analyses on 2-amino-4-phenylthiazole, a piscine anesthetic, in fishes, 3. 373774
Kikuchi, Takashi
Standard water capsule and instrumentation for NSRR experiments. (JAERI-M – 7105) 368258
Kikuchi, Takeshi
Radioactive effluent treatment of regenerative ion exchanger. 350389
Kikuchi, Toshitada
Device for holding an instrumented pipe or the like in a reactor. 360821
Kikuchi, Y.
Evaluation of local accidents in fast breeder reactors. 371031
Local boiling of sodium in downstream of local flow blockage in a simulated LMFBR fuel subassembly. (CONF-761001 – P4) 362961
Kikuchi, Yasuyuki
Evaluation of neutron cross sections of plutonium-241. 359496
Kikugawa, Masayoshi
Photon-proton scattering at low energies. 359405
Kikukawa, Hiroyuki
A multi-peripheral fireball model of e⁺esub(-) annihilation. 353841
A scaling function of e^+e^- annihilation in multiperipheral fireball model. 359272
Kikukawa, Junko
A multi-peripheral fireball model of e⁺esub(-) annihilation. 353841
A scaling function of e^+e^- annihilation in multiperipheral fireball model. 359272
Kikumoto, Seiko
The TcO_4^- binding to human serum albumin. 349847
Kil'chitskya, S.L.
Determination of dose and the effective value of linear energy transfer of mixed n, γ-radiations from the radiolysis products of methanol and ethanol. 351639
Kilcher, P.
'On-line' spectroscopic study of energy states of ^{187}Au: interpretation in terms of triaxial nuclear deformations. 377981
Kilian, P.
Graduation of enrichment in the first core of the Brunsbuettel BWR reactor. 376489
Verification of BWR design and calculation methods. 370804
Kilibarda, M.
Chromosomal aberration in persons occupationally exposed to X-rays. 354812
Radiobiological effects of joint action of alpha radiation (^{210}Po) and quartz dust in the rats respiratory and renal system. 354866
Kilkenny, D.
Photometry of faint blue stars. 359111
Kilkenny, J.D.
Direct measurement of a flux limit in a laser heated plasma. (INIS-mf – 3963) 371879
Energy deposition in neutral hydrogen by an intense relativistic electron beam. (INIS-mf – 3963) 371828
Observation of severe heat-flux limitation and ion-acoustic turbulence in a laser-heated plasma. 368952
Killeen, J.
Linear and non-linear calculations of the tearing mode. (UCRL – 79261) 361622
Killian, B.G.
Chemical tracers in Hybla Gold working room. Final report. (LA – 7097-MS) 379456
Killiany, J.M.
Effects of neutron irradiation on the characteristics of a buried channel CCD at 80°K and 295°K. (N – 77-14540) 374389
Killimayer, J.S.
Three-dimensional thermal-hydraulic analysis of wire-wrapped rods in liquid-metal fast breeder reactor core assemblies. 363502
Killingbeck, J.
Perturbation theory without wavefunctions. 376920
Quantum-mechanical perturbation theory. 355782
Some simple angular momentum techniques. 366278
Kilp, F.
Hard materials and their properties for plasma spraying. 375828
The manufacture of powder additives for thermal spraying. 351825
Kilpper, R.W.
Model for local accumulation of bone imaging radiopharmaceuticals. 373664
Kilsdonk, D.J.
Effect of high external thermal loading on LMFBR subassembly integrity. (CONF-770807 – 38) 365606
Kilyachkov, N.N.
Flare of the T Tauri. 364353
Light curve of the PSR 0531 pulsar. 377625
Kim Din Khi
High-energy part of gamma spectrum from a synchrotron target. 379955
Kim En Nam
Crate controller in the CAMAC standard for connection with the M-400 computer. (JINR – 10-10394) 376683
Kim Gvan De
On the mobility and diffusion length of electrons in p-type indium antimonide. 364049
Kim Yu Zem
GTI-742 stroke pulse generator made in the CAMAC standard. (JINR – 10-9800) 376710
160 MHz decimal counter with digital indication in the CAMAC standard. (JINR – 10-9520) 379966
Kim Zi Khvan
Probability of fission of ^{232}Th induced by μ mesons. 349136
Kim, B.R.
The smallest SU(2) x U(1) gauge model and parity violation in atomic physics. 355783
Kim, C.S.
Measurement of thermal diffusivity of molten UO_2. (CONF-770537 – 3) 360017
Kim, C.W.
$0^- \rightarrow 0^+$ beta decay and muon capture in the A = 16 nuclei. 364653
Kim, C.Y.
Opening angles of electron-positron pairs. 356520
Kim, D.
Magnetostriction of intermetallic compounds of rare earths with iron of Laves phase type. 373161
Kim, D.Ch.
Magnetostriction properties of terbium monocrystals and terbium-gadolinium alloy system. (INIS-mf – 3839) 365173
Kim, Eung-Ryul
The electron capture by bromobenzene in the γ-radiolyses of cyclohexane and 2,2,4-trimethylpentane. 367167
Kim, G.D.
Photoresponse spectrum of the rediffusion p-n junction in InSb in a magnetic field. 348789
Kim, H.
Controlled collective field propagation for ion acceleration using a slow wave structure. 363169
Recent results of the University of Maryland research program on collective ion accelerators. 363202
Kim, H.J.
Experimental study of electron transfer in multiply charged iron-ion collisions with atomic hydrogen. 363890
Yrast band of ^{56}Fe: coexistence of prolate and oblate shapes. 356705
Kim, J.
The $^{11}B(\alpha,\gamma_0)^{15}N$ reaction in the giant dipole resonance region. 356738
Neutron sources using D-T mixed beams driven into solid target. 355075
ORNL 150 keV neutral beam test facility. (CONF-771029 – 66) 371859
Spin-3/2 polarization density matrix in production of Δ by leptons. 372444
Kim, J.E.
Comment on the Glashow-Weinberg theorem. 359274
General lepton structure with naturalness assumptions. 351173
Test of flavor-changing neutral currents from elastic neutrino- and antineutrino-proton scattering. 359273
Kim, J.H.
Local tumor hyperthermia in combination with radiation therapy. I. Malignant cutaneous lesions. 357594
Kim, J.S.
Substorm-associated long-period hydromagnetic waves. 351984
Kim, K.
Solid hydrogen pellet injection into the ORMAK tokamak. 348914, 361535

Kim, K.H.
Thermal impact assessment of multi-power plant operations on estuaries. 378890
Kim, K.J.
QCD prediction of transverse momentum distribution of partons. 372445
Kim, K.K.
Nondestructive technique for the measurement of fast diffusion. 367207
Kim, M.
Measurements of the angular distributions of molecules desorbed from molybdenum surfaces. 369973
Kim, Pil-Hyon
Ion sources utilizing TEA-CO_2 laser irradiation. 358844
Kim, S.H.
ANL experimental program for pulsed superconducting coils. (CONF-771029 – 184) 377564
Critical current changes and fatigue damage after 4.2 K strain cycling of superconducting composites. 373185
Cyclic stress effects on transport properties of superconducting composite materials. 359918
Stark effect in three-dimensional stochastic electric fields and a static magnetic field of a helium plasma. 350883
Temperature-dependent self-indication measurements in ^{238}U. (BNL-NCS – 22500) 356539
Kim, S.M.
Positronium-surface interaction in the pores of the Vycor glass. 368816
Kim, S.P.
Physicochemical and technological investigations of separation of aqueous-organic extraction emulsions in systems with TBP in ultrasonic field. (INIS-mf – 3914) 349237
Kim, S.T.
Charge quantization and vacuum degeneracy in two dimensions. 353100
Kim, U.
Investigation of Bremsstrahlung-induced reactions on nuclei of masses A = 27-238 in the range of the photon energies from 450 MeV to 2.2 GeV. 364759
Kim, Y.
Modification of amino acid residues in DNA-photolyase: evidence for the reaction of diketene with S-S bonds. 357556
Kim, Y.-C.
The enthalpy of formation of samarium trifluoride. 351508
Kim, Y.B.
Experimental observation of the finite relaxation time at the zero field transition point of magnetically impure superconductors. 365185
Kim, Y.C.
Advanced geostatistics in ore reserve estimation and mine planning (practitioner's guide). (GJBX – 65(77)) 373407
Clinical significance of /sup 99m/technetium sulfur colloid accumulation in renal transplant patients. 357643
Kim, Y.G.
Development of oxide dispersion strengthened turbine blade alloy by mechanical alloying. (N – 77-22213) 367217
Kim, Y.H.
Radiation necrosis of the scalp: a complication of cranial irradiation and methotrexate. 357595
Kim, Y.K.
Atomic form factors and incoherent-scattering functions of Cs^+ and Au^+. (ANL – 76-88(Pt.1)) 361347
Comparison of the Born and Glauber cross sections for the 2s→3p transition of H. (ANL – 76-88(Pt.1)) 361342
Spectroscopic and Bethe cross-section data for sodium-like ions. (ANL – 76-88(Pt.1)) 361370
Kim, Y.S.
Covariant harmonic oscillators and excited baryon decays. 353851
Kim, Yu.A.
Mechanism of the formation of paramagnetic centres in poteins under UV-radiation. 349700
Study of the accumulation of paramagnetic centres in protein solutions under UV-radiation. 349701
Kimball, C.W.
Electron and phonon properties of A-15 compounds and Chevrel phases. 373187
Study of magnetic hyperfine fields in rare earth-ion intermetallics. 366476
Kimball, O.F.
Materials for primary circuit components in advanced gas-cooled reactor systems. 360924
Kimel, I.
Current algebra results for Ksub(t3) beyond the Callan Treiman relation. 353852
Kimel, W.R.
Panel on nuclear export and proliferation. (ANL – 77-XX-62) 366198
Kimerling, L.C.
Defect states in electron-bombarded silicon: capacitance transient analyses. 370173
Electronic excitation effects on the mobility of point defects and dislocations in GaAlAs-GaAs heterostructures. 370205
Kimhi, D.
Induction-heated oven for laser spectroscopy of atomic uranium. 366334
Kimizuka, Goro
Histological differences between the cell types of the irradiated lung cancers. 379034
Kimler, B.F.
The effect of caffeine on radiation-induced division delay. 349712
Kimmel, D.B.
Quantitative histology of trabecular bone surfaces of young adult beagles. (COO – 119-252) 373610
Kimmel, G.
Color metallography of U_3Si. 354597
Interdiffusion study in the $CeCo_2$-Co system. 354561
Kimmich, R.
Nuclear magnetic relaxation in the presence of quadrupole nuclei. 350742
Kimminich, O.
Function and set up of public participation in the nuclear licensing procedure. 352960
Kimpel, R.
The control and shutdown system of the KNK-II. 376469
Kimura, H.
Behaviour of superthermal electrons in the scrape-off layer of DIVA. 372099
Formation of a light-impurity-free plasma in DIVA. 374846
Reduction of power loss due to heavy impurities in Diva. (INIS-mf – 3963) 372098
Kimura, Hiroshi
Force-cooled small compound superconducting coil. 359219
Kimura, I.
Plasma waves observed by sounding rockets. (IPPJ – 286) 377626
Kimura, Itsuro
Simultaneous measurements of neutronic noise with fluctuation of inlet coolant temperature and vibration of a control rod at KUR. (UTNL-R – 0035) 379539
Kimura, Iwane
Analysis of the electron density in the lower and upper ionosphere from measurements of VLF propagation modes by means of K-9M-53 rocket. 354716
Excitation of ionic acoustic waves by non-linear Bernstein waves. 377480
Kimura, K.
Velocity measurement of fast ions by Doppler shift of light emitted from ions passed through thin foil. 368667
Kimura, Kazufumi
Renal images and dynamics by triple isotope method. 349865
Kimura, M.
Differential cross sections, in energy and angle, for Li + Cl_2 and Br_2 charge transfer reactions. 355889
Kimura, Masatoshi
Dual construction device having a mechanism for detecting leakage of sodium. 368211
Kimura, T.
On the conditions for static balance in the post-post-Newtonian approximation. 355784
A semicontinuum model with a structured first solvation shell for excess electrons in liquid and glassy alkanes. 359789
Some applications of ions beam sputtering to high resolution electron microscopy. 364036
Kimura, Toshimasa
Separation of strontium ion from a large amount of calcium ion by the use of a macrocyclic ether. 367092
Kimura, Y.
KEK booster to main ring beam transfer system. 363142
Studies on radioecological concentration processes in the aquatic environments -Uptake and retention of Am-241 by fish-. 370425
Synchronous transfer of beam from the booster to the main ring in the KEK proton synchrotron. 363275
Kimura, Yasuhiro
Simultaneous measurements of neutronic noise with fluctuation of inlet coolant temperature and vibration of a control rod at KUR. (UTNL-R – 0035) 379539
Kimura, Yoshitaka
Full aperture kicker magnets for KEK proton synchrotron. (KEK – 76-21) 355212
Kincaid, B.M.
Separated function focusing monochromator system for synchrotron radiation. (BNL – 23353) 379499
Kindel, J.M.
Theory of hot-electron spectra at high laser intensity. 350842
Kinder, H.
Time delay of phonon pulses in thin helium films. 366816
Kindermann, P.
Dosimetry of negative π-mesons. 357881
Kindlova, L.
Induction of dominant lethal mutations by gamma irradiation of Gallus domesticus spermatozoa. 352027
Kinemond, G.A.
Users guide for evaluating alternative fixed-site physical protection systems using "FESEM". (SAND – 77-1367) 380116
King Yen, M.M.
Effective two-body interaction in the vicinity of doubly closed shells. 364791
King, A.
Comparison of sodium iodide and solid-state detectors for the measurement of lung-stored uranium. 371110
King, A.R.
Magnetic alignment of rotating black holes and accretion discs. 353690
King, C.-Y.
Radon emanation on San Andreas Fault. 373408
King, C.H.
A constraint on the universal baryon density from the abundance of ^7Li. 356176
King, D.A.
Further dynamical and experimental LEED results for a clean W[001]-(1 x 1) surface structure determination. 362393

Space-group determination of the low-temperature W[001] (√ 2 x √ 2) R45° surface structure by low-energy-electron diffraction. 365142
King, D.L.
Large scale sodium interactions. Part 1. Test facility design. (SAND – 77-1073C) 367767
Large scale sodium interactions. Part 2. Preliminary test results for limestone concrete. (SAND – 77-1059C) 367797
Large scale sodium test facility. (SAND – 77-1421C) 373834
King, D.S.
High-resolution optical spectroscopy and laser isotope enrichment of matrix-isolated s-tetrazine in argon. 378243
King, E.I.
EPR ohmic heating energy storage. (WFPS-TME – 064) 377422
King, G.C.
Investigation of the energy and vibrational structure of the inner shell $(1s)^{-1}(\pi 2p)^1\Pi$ state of the nitrogen molecule by electron impact with high resolution. 371501
Near-threshold electron impact excitation of ultraviolet-emitting levels of helium atoms. 355864
King, H.J.
High current density ion source. (US patent document 4,028,579/A/) 348698
King, H.T.
Magnetic moments of the 2^+ first excited states of even iron isotopes. 359463
King, I.R.
The stellar distribution above the galactic plane: an introduction. 369129
King, J.F.
Elevated-temperature fatigue characterization of transition joint weld metal and composite material in support of LMFBR steam generator development. (CONF-770524 – 3) 351701
King, J.W.
International magnetospheric study: progress report. 362613
Large-amplitude standing planetary waves induced in the troposphere by the Sun. 373461
King, L.J.
Transuranium Processing Plant semiannual report of production, status, and plans for period ending December 31, 1976. (ORNL – 5305) 365656
King, M.
Precise energy determination for three peak cross-sections in ^{23}Na and ^{27}Al and for the 250 keV resonance in ^6Li. (INIS-mf – 3897) 354216
King, M.A.
Model for local accumulation of bone imaging radiopharmaceuticals. 373664
King, M.E.
Composition and isotope variations in sputtering as a function of the ejection angle. 368904
King, M.J.
Alternative fuel cycle options: performance characteristics and impact on nuclear power growth potential. (ANL – 77-70) 379652
Sensitivity of power peaking analysis to large reactor core modeling. (ANL-AFP – 32) 365980
King, N.S.P.
$^6Li(n,d)^5He$ and $^7Li(n,d)^6He$ with 56.3 MeV neutrons. 351337
Proton pickup from ^{27}Al via the (n,d) reaction at 56.3 MeV. 354161
King, P.W.
Electron heating by neutral beam injection in Ormak. (INIS-mf – 3963) 371961
Electron heating by neutral-beam injection in the Oak Ridge tokamak. 358985
King, R.C.
The branching rule for the restriction from SO(7) to G_2. 368554
King, R.T.
Metallographic study of ferrite → sigma transformation using ferromagnetic colloid, microprobe analysis, and color etching. (CONF-760731 – 7) 351750
Relationship between ultrasonic Rayleigh waves and surface residual stress. 351726
King, W.T. Jr.
Fire protection requirements of the insurance industry and their impact on nuclear power plant design and construction. 357755
Risk assessment and nuclear insurance: an overview. 376838
Kinginger, J.
Study of remote multiplexing for power plant application. (EPRI-NP – 254-SY) 370855
Study of remote multiplexing for power plant applications. (EPRI-NP – 254) 370854
Kingsep, A.S.
Plasma heating on the Langmuir collapse. 366546
Kingston, A.E.
Electron excitation functions for the 2^3S, 2^1S, 2^3P and 2^1P states of helium between the n = 2 and n = 3 excitation thresholds. 374614
Free-free transitions of an electron in the presence of an atomic system. 353189
Kini, K.S.
A caution to users of generator produced radionuclides. 376217
Kinizhnik, E.I.
Effect of gamma-neutron irradiation on electric conductivity and dipole-segmental relaxation of polystyrene. 354433
Kinnear, J.
Estimated inventory of plutonium and uranium radionuclides for vegetation in aged fallout areas. (NVO – 171) 379139
Kinnear, J.E.
sup(239,240)Pu and ^{241}Am contamination of vegetation in aged fallout areas. 349652
Kinney, J.D.
Engineering of beam direct conversion for a 120-kV, 1-MW ion beam. (UCRL – 79718) 371738
Experimental and computational results on direct energy conversion for mirror fusion reactors. 349039
Kinney, W.E.
High-resolution fast-neutron gamma-ray production cross sections for iron up to 2100 keV. 372779
Kinno, M.
Effects of distribution of helium bubbles on the tensile properties and swelling of neutron-iradiated and annealed beryllium. 370196
Kinnunen, P.
On the economy and optimization of nuclear heat power plants and their heat transport system. 376789
Kinnunen, R.
A search for the I peak at 2.60 GeV/c^2 in 12 GeV/c anti pp interactions in the CERN 2m HBC. 377781
Kinoshita, Mikihisa
Effect of strong Posterisan ointment on rectal injuries after radiotherapy of uterine cervical cancer. 360295
Kinoshita, Mutsumi
Coastal observation of Tokai-mura. (PNCT – 831-76-01) 378893
Effect of the sea-breeze on the atmospheric stability at the seaboard. (PNCT – 831-76-01) 378928
Environmental monitoring of tritium. (PNCT – 831-77-01) 379348
Methods of iodine-129 analysis for environmental monitoring. (PNCT – 831-76-01) 379359
Surveillance of radioactivity in the marine environment around the PNC reprocessing plant. (PNCT – 831-76-01) 379346
Kinoshita, S.
Shear Alfen wave heating experiment in the Heliotron D. (INIS-mf – 3963) 372070
Kinoshita, T.
Structure of leading infrared divergences in non-Abelian gauge theories. 358663
Kinoshita, Tamiko
Stopping powers of Al, Ni, Cu, Ag, and Ta for 8.78 MeV alpha particles. 354020
Kinoshita, Yuzo
Measurement of the concentration of testosterone in testicular tissues by radioimmunoassay. 379191
Kinsey, J.L.
Angular distribution of fine structure changing collisions of excited Na. 353330, 377100
Kintner, E.E.
The role of fusion as a future power source. 364212
Kinugawa, K.
Energy transfer and radical formation in the system poly(methyl methacrylate)-2-methyltetrahydrofuran. 373098
Hydrogen atom abstraction reaction by H atoms in γ -radiolysis and U.V.-photolysis of alkane mixtures at 4 K. 365065
Kiortsis, M.
The effects of zinc on the radiosensitivity of Bacillus megaterium cells. 365354
Kipchakbaev, A.D.
Calculation method for radiative capture gamma-quanta distribution in a homogeneous medium irradiated pulse neutron flux. 357474
Kipen', A.A.
Conductivity type inversion in CdSsub(x)Tesub(1-x) affected by a high pulse of ruby laser radiation. 374763
Kipiani, R.Ya.
Some regularities of ^{90}Sr contamination of plants in Georgiya. 376136
Kiplinger, D.V.
Method for applying pyrolytic carbon coatings to small particles. (US patent document 4,016,304/A/) 373313
Kipp, H.W.
Graphite curtain vacuum outgassing and heat transfer. Final report. (COO – 2802-4) 364195
Kipp, M.E.
Calculation of spall damage accumulation in ductile metals. (SAND – 76-5948C) 371581
Kipper, M.A.
On chemical composition of FG Sge. 374924
Kipper, T.A.
On chemical composition of FG Sge. 374924
Kiprin, L.I.
Calorimetric study of interaction between zinc and cadmium ions and sulfate ions in aqueous solutions. 364943
Kipriyanova, V.N.
Metallic coating with diffusion yoining by centrifugal method. (INIS-mf – 4046) 369859
Kiptilyj, V.G.
The lifetimes of excited levels in ^{67}Zn, ^{69}Ge, and ^{72}Se. (ZfK – 336) 364792
Quasi-rotational bands in ^{80}Kr. (ZfK – 336) 364769
Kir'yanov, E.A.
Determination of lead and zinc in polymetallic ores by x-ray radiometric method using incoherent scattered radiation. 351934
Kir'yanov, K.V.
Thermochemistry of some molybdenum and tungsten cyclopentadienyl compounds. 365001
Kira, T.
Structural analysis and evaluation for the design of pressure vessel. 350127
Kiradzhiev, G.
Peculiarities of radiostrontium and radioiodine kinetic following

simultaneous incorporation of a mixture of ^{131}I, ^{85}Sr and ^{137}Cs. 367598
Protective effect of adeturone on protein assimilation in the gastro-intestinal tract following acute X-irradiation. 373531
Kirakosyan, G.A.
Basic yttrium and lanthanum fluorides. 375566
Study of aluminium and scandium hydroxofluorides by the method of nuclear magnetic resonance. 362186
Kiraly, Z.
Laboratory, greenhouse and field methods for screening rust-resistant wheat cultivars. 373750
Kirbiyik, H.
Treatment of extended stellar atmospheres in radiative equilibrium. 371396
Kirby, N.
Acoustic emission test on a 25 mm thick mild steel pressure vessel with inserted defects. 365764
Kirby, R.E.
LEED probe for surface spin systems. (SLAC-PUB – 1934) 377014
Kirch, A.
Attachment system for nuclear reactor fuel elements or the like. (German (F.R.) patent document 2520234/A/) 355329
Attachment system for nuclear reactor fuel rods and the like. (German (F.R.) patent document 2520233/A/) 355328
Kirch, N.
Tritium production in a controlled thermonuclear reactor blanket model with a graphite reflector. 350865
Kirchanov, V.S.
Two-frequency NQR – echo in an electric field. 348790
Kirchbach, M.
The distribution of 1s-hole strength in light nuclei. (ZfK – 336) 366941
Influence of non-central interaction on the giant resonance in A = 7, 13 and 14 nuclei. (ZfK – 336) 366942
The $1\hbar\omega/2\pi$ spectra of nuclei with a nearly half-filled 1p shell. 361991
Kircher, F.
Protection of the pulsed superconducting dipole ALEC. 360632
Kircher, M.
Large-aperture discharges in E-beam sustained CO_2 amplifiers. (LA-UR – 77-2451) 371925
Kirchgessner, J.L.
Parallel coupled cavity structure. 363352
Kirchgessner, M.
Effect of UV and gamma irradiation on vitamin B_6 content and protein constituents of feeds. 360389
Kirchhoff, R.
Coal gasification. 355429
Kirchmann, R.
Evaluation of the dose to man in relation to the behavior of tritium from irrigation water in agricultural crops. 370423
Kirchner, N.
Lifetime measurements by pulsed laser excitation of fast ion beams. 371507
Kirchner, P.T.
Efficacy of preoperative and postoperative bone scanning in the management of breast carcinoma. 362772
Oblique views in lung perfusion scanning: clinical utility and limitations. 373678
Kirchner, R.
New neutron-deficient tellurium, iodine, and xenon isotopes produced by reactions of 290 MeV ^{58}Ni ions on ^{58}Ni and ^{63}Cu targets. 364793
Kirchner, R.W.
Cast thermally stable high temperature nickel-base alloys and casting made therefrom. (US patent document 4,043,810/A/) 369848
Kirchner, W.L.
Fluid dynamics and heat transfer methods for the TRAC code. 376530
Kireev, P.S.
Effect of heat treatment on the lifetime of charge carriers in cadmium telluride. 375830
On some properties of Cdsub(x)Hgsub(1-x)Te variband structures. 348831
Kireeva, E.P.
Spectrophotometric determination of anions of polyselenides and polytellurides. (INIS-mf – 4191) 375254
Kireeva, I.L.
BIPR-5 program for the calculation of three-dimensional power distribution and fuel burn-up in the one-group diffusion approximation for WWER type reactors. (IAE – 2518) 350211
BIPR-5 program. (IAE – 2519) 358608
Kireeva, T.S.
Fabrication of welded pipes of the KhN45Yu alloy. 375776
Kireva, A.
Identification of submicro quantities of iodine ions. 375266
Kirgintsev, A.N.
On distribution of microimpurity during crystallization of three-component systems from melt. 362187
Kirichenko, N.M.
On the problem of beryllium determination in rocks in field exploration by photoneutron methods. 367036
Kirichenko, N.P.
On kinetics of vanadium extraction from hydrochloric acid solutions by tri-n-butyl phosphate. 365007
Kirichenko, V.N.
Production of hot beta-active aerosol particles of a spherical configuration. 357872
Study on dispersity of radiactive aerosols at the Novo-Voronezh nuclear power plant. 361101
Kirichenko, Yu.A.
Heat transfer in helium-1. 360597
On departed bubble sizes during their quasi-static growth on the heater. 349974
Kirienko, V.I.
Direct observation of packing defects in bcc crystals. 356044
Kirij, A.Yu.
Resonance instability of a confined plasma with a nonuniform electron velocity. 364263
Total resonance absorption of electromagnetic radiation in an inhomogeneous plasma. 368911
Kirij, V.B.
Theory of antistokes sensitized luminescence. 361452
Kirik, S.D.
Reaction of molybdenum chlorides with chalcogens. 375510
Kirilin, N.M.
Nickel alloys and stainless steels peeling during ion irradiation. (INIS-mf – 3954) 362557
Selection of material for thermonuclear reactors. (INIS-mf – 3954) 362421
Steels and nickel alloys sputtering during deuterium ion irradiation. (INIS-mf – 3954) 361422
Study on molybdenium and its alloys for thermonuclear reactors. (INIS-mf – 3954) 362547
Temperature dependence of erosion of vanadium and niobium alloys when irradiated with helium ions. 378801
Kirillin, V.A.
Use of MHD generators in nuclear power engineering. 364437
Kirillov-Ugryumov, V.G.
Direct muon production in proton-nucleus collisions at 70, 50 and 35 GeV. 353942
Inelastic interaction of muons with Fe nuclei at small Q^2 in the energy range above 200 GeV. 375066
Longitudinal polarization measurements on direct muons produced in proton-nucleus collisions. 353925
Periodic gamma radiation from the Cygnus X-3 discrete source. 364323
Study on nuclear interaction cross-section of muons in cosmic rays. 362042
Kirillov, A.I.
Electromagnetic formfactors and electrodisintegration of deuteron. 349113
Orthanilic dyes as reagents for spectrometric determination of rare earths. (INIS-mf – 4192) 375355
Spectrophotometric determination of europium in the presence of other rare earths. (INIS-mf – 4191) 375296
Kirillov, S.A.
Structural particularities of monovalent nitrate mixtures. (INIS-mf – 4193) 378209
Kirillov, V.B.
Electrodiffusion trap for liquid-lithium purification from nitrogen. (Soviet patent document 436395/A/) 379554
Kirillov, V.V.
Study on electric characteristics of a boundary layer on metal surfaces in channels of an open-cycle MHD generator. 377670
Study on heat transfer and boundary layers in the MHD channel with a variable wall temperature. 349041
Kirillov, Yu.V.
Ultrasonic effect on tempering kinetics in chromium and manganese steels. (INIS-mf – 3914) 349430
Kirillova, L.G.
Determination of intergranular breaks by means of electroinductive instruments. 357232
Kirillova, M.M.
The effect of antiferromagnetic transformation on the Cr – 4% Co alloy optical properties. 349508
Optical absorption spectra of vanadium and chromium. Experiment and theory. 369949
Kirillova, N.G.
On thermal stability of radiation-induced optical absorptiption in quarts. 348866
Kirillovich, A.P.
Study of the behaviour of high-active wastes from reprocessing of fast reactor fuel elements by the fluoride volatility method. (IAEA-AG – 63-23) 363646
Kirilov, A.I.
Different-ligand cerium complexes with complexones and coloured reagents. (INIS-mf – 4192) 378174
Kiriyama, Kazuo
Signatures of unusual Higgs boson in vectorlike gauge theories. 353833
Kirk, H.
The effect of resonance production on angular correlations. 353935
Inclusive production of charged pions in K^-p interactions at 32 GeV/c. 353960
Inclusive yields and transverse spectra of non-strange mesons. 353853
Kirk, J.
Wave energy in a beam plasma system. 366578
Kirk, W.L.
Energy technology. Progress report, January – March 1977. (LA – 6807-PR) 379528
Kirkham, M.B.
Plutonium content in deer in the southeastern United States. (DP – 1455) 367582
Pollen as a monitoring tool. (DP – 1455) 367430
Kirkland, L.
Health physics aspects of the EMI computerized tomography brain scanner. 370662

Kirmse, E.M.
Acid-base behaviour of rare earth fluorides. 357026
Kirnos, A.N.
The "Grad-2" facility for ultrahigh vacuum production. (KFTI – 75-10) 357909
Cryogenic vacuum system of the "Jupiter-2T" facility: project and model experiments. (INIS-mf – 3954) 361549
High-purity preevacuation vacuum pumping. (KFTI – 76-21) 357911
Kirnozov, F.F.
Method, equipment and main results of the measurement of the Venusian rock density on 'Venera-10'. 373965
Kirouac, G.J.
Doorway state structure in neutron cross sections for ^{56}Fe. 351293
Kirov, A.G.
Design of the R-03 experimental thermonuclear facility with plasma active control by means of feedbacks and HF fields. (INIS-mf – 3954) 364187
Dynamical feedback control of the current plasma column position and stability in toroidal systems. (INIS-mf – 3963) 371810
Dynamical stabilization of MHD current instabilities in a toroidal system with resonant excitation of helical HF waves in a plasma. (INIS-mf – 3963) 371809
Six-channel feedback system for suppression plasma helical instabilities. (INIS-mf – 3954) 361620
The wave excitation in a plasma at a helical resonance HF heating. (INIS-mf – 3963) 371808
Kirov, I.N.
Energy spectrum of primary cosmic radiation in the energy range from 10^{13} to 10^{16} eV. 361706
Spatial distribution of electrons and muons in extensive air showers on a mountain level. 362606
Kirpichnikov, P.A.
The ligand role in vanadyl chelate complexes in the catalytic reduction of hydroperoxides with phosphites. 357049
Kirrillov-Ugryumov, V.
An acceleration evaluation of the performance of the Soviet-French wide-gap spark chamber for gamma-ray astronomy. 368266
Kirsanov, V.V.
Computer simulation of the extended target radiation damage by medium energy protons. (INIS-mf – 3996) 377202
Crowdion decoration of defects. (KFTI – 74-47) 353450
Inelastic contribution to the radiation damage of Cu and Ni exposed to charged particles. (KFTI – 75-35) 353440
Problems of simulation of radiation-induced defects in crystals. 363938
Kirsch, E.
Intense electron and proton fluxes poleward of the trapping boundary during a substorm expansion. 351978
Kirsch, J.
Ionization, X-rays and positron production in Pb-Pb and U-U collisions. 353192, 376973
K-X-ray spectrum of the Pb+Pb quasimolecules. 377905
Kirsch, L.E.
Research in elementary particle physics. Technical progress report, May 1, 1976 – May 29, 1977. (COO – 3230-6) 355785
Kirschner, H.
CT-tomometry. Pt. 1. 355087
Kirschner, I.
Designing highly homogeneous superconducting magnets by computer. 349993
Experimental superconducting d.c. and a.c. cables. 360633
Kirschner, J.
On the influence of backscattered electrons on the lateral resolution in scanning Auger microscopy. 374726
Kirschner, R.
Description of multi-particle final states in high energy hadron-hadron collisions by means of the uncorrelated cluster model. 349066
Kirson, M.W.
Model dependence of energy-weighted sum rules. (WIS-Ph – 77/53) 366943
Kirthi, K.N.
Utilization of plastic scintillator in the measurement of uncharged radiations. 366035
Kirti
Radiotracer investigations in oil production and water injection wells. 370702
Kirtley, J.R.
Experimental determination of the quasiparticle energy distribution in a nonequilibrium superconductor. 351766
Kirtman, B.
Calculation of the magnetic susceptibility of H_2 by the distinguishable electron method. 351870
Kirvelae, K.
Possibilities of nuclear district heating for the Swiss canton of Basle. 376796
Kiryukhin, D.P.
Features of low-temperature radiation-induced polymerization of carbon suboxide. 354434
Post-radiation solidification of oligocarbonateacrylates. 357133
Kiryukhin, V.P.
Free radical reaction stimulation by stretching of irradiated polymers. 351640
Kiryushkina, A.A.
Intergeneric mating: transfer of polA gene from E. coli to S. typhimurium. 373501
Kis, I.
A computer program for risks evaluation calculations for nuclear power plants. (INIS-mf – 4052) 373835
Kisel'gof, E.I.
Action of protracted fractionated irradiation on the content and biosynthesis of nucleic acid in the rat thymus. 370352
Kiselev, A.N.
Explosion compaction of $SmCo_5$ powder. 349564
Kiselev, A.P.
Recombination processes during excitation of $AgCl:Me^{2+}$ crystals by ionizing radiation. 371625
Kiselev, B.G.
Activation analysis of Dzhezkazgan rock mineral samples. 359544
Kiselev, P.A.
Chemical models of chains electron transfer in hydroxylating ferment systems. 378193
Kiselev, Ya.N.
Effect of alloying elements on the hydrogen embrittlement of medium-alloy deposited metal. 369863
Kiselev, Yu.F.
Calculation of a correlation for Q-meter non-linearity in measurement of target high polarization. (JINR-R – 13-10694) 371167
Kiseleva, E.D.
An electron spin resonance study of the low-temperature radiolysis of ion-exchange resins. 357156
Strontium-hydrogen exchange statics on irradiated KU-2 cation-exchange resin. 349353
Kiseleva, Eh.N.
Application of thermochemical method for purification of cadmium, iodine and aluminium chloride. 369643
Kiseleva, I.G.
Cathodic implantation of aluminium in vanadium. 378233
Kiseleva, K.S.
Investigation and application of some organic phosphorus compounds as reagents in analytical chemistry. (INIS-mf – 4192) 375347
Kiseleva, N.S.
Effect of presowing gamma-irradiation of buckwheat seeds on anatonic structure of adult plants. 349728
Kiseleva, R.N.
Investigation into radiation stability of organic fluoro-chlorine compounds. (RI – 58) 378548
Kiseleva, T.T.
The use of the microtron for the activation analysis of pure metals and alloys. 356975
Kiseleva, V.N.
Comparative radiosensitivity of seeds of warted and pubescent birch. 360246
Kiselevich, I.L.
Bubble chamber. (Soviet patent document 486292/A/) 350307
2 m- chamber filled with neon – hydrogen mixture and with a track-sensitive hydrogen target. 358330
Kish, A.
Three-photon ionization of helium metastable atoms. 348641
Kish, P.P.
Extraction of cadmium as its complex with iodide ions and quinoline dyes. 378129
Studying basic dyes as reagents for extraction-photometric determination of cadmium. (INIS-mf – 4192) 375291
Kishan, H.
Influence of copper impurity on the superconducting transition temperature of the bulk Nb_3Sn alloy. 366810
Kishenko, Ya.I.
On parametric excitation of plasma oscillations in n-InSb. 361453
Kishi, H.
Relativistic electron-beam-focusing experiments employing axial loads. 366544
Kishi, Shigeru
Control rod drives. 379586
Kishi, Toshikazu
Manufacture and installation experience of pressure vessel for the prototype heavy water moderated boiling light water-cooled reactor 'Fugen'. 368191
Kishi, Yasutada
Lattice for supporting nuclear reactor fuel assembly. 368037
Nuclear fuel assembly. 360841
Kishida, K.
Reactor system components of Japan's fast breeder reactors. 379794
Kishida, S.
Near-infrared emissions in additively coloured or neutron-irradiated ZnS. 370193
Kishige, Haruaki
Studies on flush mounted electrostatic probe measurements in argon plasma flow. 377481
Kishimoto, Akira
Comparative studies on mathematical analysis and graphical analysis of the xenon-133 washout curve. 354941
Kishimoto, Hiroshi
Tokamak apparatus for turbulent heating of plasma. 358956
Kishimoto, Yoichiro
Effect of the sea-breeze on the atmospheric stability at the sea-board. (PNCT – 831-76-01) 378928
Environmental monitoring of tritium. (PNCT – 831-77-01) 379348
Meteorological measurements at PNC Tokai Works. (PNCT – 831-77-01) 380069
Radioactivity surveillance in the marine environment around the reprocessing plant at Tokai. (PNCT – 831-77-01) 378895
Surveillance of radioactivity in the marine environment around the PNC reprocessing plant. (PNCT – 831-76-01) 379346
Kishkite, M.M.
Spectrophotometric determination of zirconium with morin in

silicates. 372882
7,8- ethylene dioxyflavanol-new reagent for spectrophotometric determination of zirconium (4). (INIS-mf - 4191) 375292
Kishkurno, V.V.
Some characteristics of the inclusive process $\pi^- + p \rightarrow \pi^+ +$ all in the fragmentation range of the incident particle at 2,69 and 3.25 GeV/c. (ITEF - 20) 356476
Kisielewska, D.
High multiplicity π^-d interactions at 21 GeV/c. 356503
Inclusive yields and transverse spectra of non-strange mesons. 353853
Kisina, Eh.Kh.
Measurement of ^{236}U and ^{239}U compound nuclei lifetime dependence on excitation energy. (INIS-mf - 3896) 356917
Kising, J.
Electron relativistic effects in the K-shell ionization of Z = 50-83 atoms by 9-155 MeV alpha particles. 377003
Kisker, E.
Field emission of monoenergetic spin-polarized electrons. 353402
Kislyakov, A.G.
A new radio source in the Monocerotis. 377627
Kislyakov, A.I.
Atomic particle analyzer. (Soviet patent document 409316/A/) 379850
Kislyi, P.S.
Kinetics of high-temperature oxidation of boron carbide in oxygen. 362302
Kiso, Yoshiyuki
Half-lives and gamma-ray energies of short-lived molybdenum isotopes. 373021
Kispert, L.D.
Eldor investigations of radiation processes. Annual progress report, 1976 - 1977. (ORO - 4062-42) 362265
Kiss, A.
Octupole-strength concentration observed in α-scattering on ^{27}Al. 372792
Kiss, E.
Examination of WF9 mutant sublines for lodging and fusarium resistance. 373700
Kiss, Gy.
Experimental superconducting d.c. and a.c. cables. 360633
Kiss, S.
ISABELLE quadrupoles. 363333
Kissel, Ph.
New MA 23 master-slave manipulators with servo control and force feedback. Their application in routine work and in scheduled and exceptional operations. 360706
Kisseleva, K.V.
Investigation of clustering in ion-implanted silicon and quartz layers by means of total X-ray reflection. 370174
Kissener, H.R.
Excitation of giant resonances in radiative pion capture on 1p shell nuclei. (ZfK - 336) 364681
Excitation of magnetic dipole states in 1p-chell nuclei in radiative pion capture. (JINR-E - 2-10509) 351275
Influence of non-central interaction on the giant resonance in A = 7, 13 and 14 nuclei. (ZfK - 336) 366942
Kissil', A.E.
Effect of preliminary loading on the strength of the EhLN-1 alloy. 375856
Study of structure and morphology of the hardening phase in the Nb-Zr-C alloy under long-term action of high temperature and stresses in vacuum. 378655
Kissler, K.H.
Extraction from the CERN SPS. 363148
Kisslinger, L.S.
Microscopic description and excitation of unitary analog states. 372629
Kissmann, G.
Turbine oil fires in the Moabit and Reuter power stations. (AED-Conf - 77-304-000) 357789
Kist, A.A.
Application of neutron low energy sources for activation analysis for molybdenum and tungsten in sewage. 356955
On possibility of determination of copper trichlorophenate in plants by neutron activation method. 356943
Kistemaker, J.
Preliminary research into the possibility of a new type of fission reactor with gaseous fuel. 378787
Kistenev, E.
Inclusive production of charged pions in K$^-$p interactions at 32 GeV/c. 353960
Kistenev, E.P.
General features of anti pp interactions at 32 GeV/c. 353973
A study of πsup(+), πsup(-) and proton production in pp interactions at 69 GeV/c. 361867
Kistenev, Eh.P.
Study on the dependence of associative multiplicity of charged pions upon π^- meson transverse momentum in pp interactions at 69 GeV/c. 351218
Kistiakowsky, V.
Report of the radiation group on radiation backgrounds and damage in the ISABELLE intersection regions. (BNL - 50611) 357976
Kisula, V.V.
Conductive shells compression in pusle high magnetic fields. (IAE - 2624) 356079
Kisurin, K.K.
Scattering of 2.9 MeV neutrons by silicon nuclei. (INIS-mf - 3897) 356567
Kita, Motoko
Intestinal absorption of beta-alanine, anserine and carnosine in rats. 354934
Kita, Norio
Method and apparatus for treating radioactive wastes. 361103
Kitabatake, Takashi
Epidemiological inference on induction of aplastic anemia following radiotherapy. 360285
A radiation-induced pharyngeal cancer. 349767
Kitada, Osamu
Comparative studies on mathematical analysis and graphical analysis of the xenon-133 washout curve. 354941
Kitaev, E.M.
Solidification rate of steel ingots in casting mold. 369860
Kitaev, G.A.
Study of cadmium selenide formation in alkali solutions containing selenurea. 357046
Kitaev, V.Ya.
On the ^{58}Fe(γn)^{57}Fe reaction near a threshold. 378017
Kitaev, Yu.P.
Preparation and physicochemical characteristics of nickel(2)- and copper(2) complexes with N-salicylideneaminopyridinium iodide. 378418
Kitagawa, Haruya
Materials for fast breeder prototype reactor 'Monju'. 379772
Kitagawa, M.
A self-consistent treatment of the wake potential. (INIS-mf - 3995) 377216
Kitagawa, Teizi
The method for dose estimation in Fukui Prefecture. (NIRS-M - 20) 379343
Kitagawa, Y.
Laser fusion research in Osaka. (IAEA - 200) 353656
Kitagawa, Yoneyoshi
Heating of plasma focus by TEA CO_2 laser, (2). 359029
Instability enhanced emissions of x-ray and neutron in plasma focus. 372056
Neutron yield enhancement in a CO_2 laser irradiated plasma focus. 372055
Kitagawa, Yuji
Manufacture and installation experience of pressure vessel for the prototype heavy water moderated boiling light water-cooled reactor 'Fugen'. 368191
Kitaguchi, Hiroshi
Method and apparatus for inspecting failed fuel. 350156
Kitahara, S.
Mutation Induction with UV- and X-radiations in spores and vegetative cells of Bacillus subtilis. 373491
Kitahara, T.
Safety evaluation of inlet-tube break for a pressure tube type reactor. 376554
Kitajima, Masatake
Concrete containment vessels (CCV) for nuclear power plants, (1). 368016
Kitakado, S.
A model of baryons based on duality and unitarity. 372438
Kitami, Tsuneo
System for positioning a control rod drive for a boiling water reactor. 368121
Kitamura, Hajime
Tumor induction of small intestine in Wistar rats by local x-irradiation. 379026
Kitamura, Hirohito
Application of the minicomputer at Genkai Nuclear Power Station. 355394
Kitamura, Mitsutaka
Estimate of electrostatic solvation free energy of electron in various polar solvents by using modified born equation. 354388
Kitano, Teruaki
Study of a UO_2 critical mass by calculation with a transport code XSDRN. (JAERI-M - 7085) 354996
Kitayama, S.
Separation of DNA-dependent polymerate activities in Micrococcus radiodurans. 351994
Kitazawa, Hakaru
Device for supporting a toroidal coil in a toroidal type nuclear fusion device. 366579
Kitazoe, Y.
Analysis of clustering phenomena based on shock wave model. 373347
Kitching, J.E.
High spin states in ^{88} ^{87} ^{86}Zr. (TID - 27909) 378018
Level structure of ^{102}Rh via (^{3}He,d) and (p,d) reactions. (TID - 27909) 378059
Kitching, P.
Knockout reaction study with a polarized proton beam. 372780
Kitchings, T.
Radionuclide transfer in terrestrial animals. 370395
Kito, Yukio
Radiation-induced degradation of D-glucose in anaerobic condition. 359788
Kitsaj, A.A.
Possibility of using 'dissolution' method of synthesis and crystallization for preparation of dispersion-hardened composite materials. 375788
Kittel, J.H.
US advanced LMFBR fuels development program. 379807
Kittel, W.
A study of inclusive Ξ^- production from K$^-$p interactions at 4.2 GeV/c. 353964

Kittell, R.S.
Computer system for radiation therapy with negative pions. (LA-UR – 77-2053) 365404
Dosimetry of pion therapy beams. 352351
Kittinger, W.D.
Radiation monitor training program at Rocky Flats. (RFP – 2434) 379280
Kittl, J.E.
Industrial integration of the fuel cycle in Argentina. 369839
Kittle, H.
Advanced LMFBR fuels. 378746, 378766, 378773, 378776, 378802, 379248, 379286, 379288, 379727, 379728, 379729, 379731, 379733, 379734, 379735, 379737, 379739, 379740, 379741, 379742, 379747, 379748, 379753, 379769, 379771, 379777, 379778, 379779, 379781, 379796, 379797, 379800, 379801, 379804, 379807, 379810, 379811, 379812, 379813, 379817, 379823, 379824
Kittler, L.
Photochemically induced binding of furocoumarins with lambda phage DNA in situ. 373499
Selected topics in photochemistry of nucleic acids. Recent results and perspectives. 354744
Kittlick, P.D.
Hypoxia in fibroblast cultures. 3. 354850
Kiv, A.E.
The influence of electronic excitation on atom displacement in semiconductors. 370231
Kivelson, M.G.
Evidence for the control of Pc 3,4 magnetic pulsations by the solar wind velocity. 360210
Kivits, H.P.M.
Applied research with the Eindhoven A.V.F. cyclotron. (INIS-mf – 4267) 378152
Kiwamoto, Y.
Experimental studies on beam-plasma interaction. (IPPJ – 286) 377454
Propagation and expansion of an electron beam ejected from the space shuttle into the ionosphere. (IPPJ – 286) 377628
Kiwamoto, Yasushi
Behavior of electron beam in space plasma. 355192
Kiwanga, C.A.
Tellurium adsorption on single crystal faces of molybdenum and tungsten field emitters. 373173
Kiyak, B.P.
Stationary amplification of photoluminescence in Cu and Mn activated ZnCdS crystal phosphors by infrared radiation. 351549
Kiyan, T.S.
On the spatial intensity distribution of the continuous spectrum emitted by particles ejected from metals by an ion beam. (INIS-mf – 3996) 364047
Kiyashkina, Zh.S.
Magnetic properties of molybdenum halides on polymeric carriers. 378293
Kiyashko, V.A.
Plasma induction linear accelerator as a source of power high-current ion beams. 376372
Kiyohara, O.
Ultrasonic velocities for deuterium oxide – water mixtures at 298.15 K. 362188
Kiyokawa, Teruyuki
The heat transfer characteristics of steam generators for FBR. 350266
Kiyoku, Masao
Studies of the ecology of insects sterilized artificially (gamma radiation), 10. 349743
Studies on the ecology of insects sterilized artificially (gamma radiation), 9. 349822
Kiyono, Setsuo
Intensity dependence of He II resonance radiation on helium gas pressure. 371537
Kiyosawa, N.
The effect of the pellet-cladding mechanical interaction on a nuclear fuel quality assurance system. 376438
Kiyose, R.
Future trends of light-water reactor fuel-cycle costs. 366168
Radioactive waste management in Japan. 363638
Safety and environmental aspects of spent-fuel reprocessing. 359852
Kiyoshige, Masanori
Creep properties of Hastelloy X and their application to structural design. 349481
Kizin, V.D.
Studies on radioactivity build-up and distribution in the BOR-60 circuit. (IWGFR – 7) 360981
Kjaer-Pedersen, N.
Performance evaluation of UO_2-Zr fuel in power-ramp tests. 365828
Kjartansson, I.
Vascular and extravascular spaces in a transplantable rat tumour after local X-ray irradiation. 376105
Kjellbert, N.
Radionuclide inventories in PWR spent fuel and high-level waste calculated by use of the ORIGEN code. (KBS-TR – 01) 363647
Studies of decay power for KBS part 1. Literature review part 2. Calculations. (KBS-TR – 07) 363643
Kjems, J.K.
Cooperative Jahn-Teller effect studied by neutron scattering. 378656
Critical behaviour of the magnetization in TbSb and $Tb_{0.6}Y_{0.4}Sb$. 378601
Klaase, P.Th.A.
Thermal stability of the piezoelectric effect in polar polymers. (INIS-mf – 4127) 364048
Klaassen, D.
Calculation of the glory scattering with anisotropic molecule-atom interactions in sudden approximation. 371502
Glory scattering with a polarized NO beam. (INIS-mf – 3940) 348740
Klabik, V.
Research and development of NbTi superconductor in Czechoslovakia. 367257
Klabunovskij, E.I.
Investigation of state and behaviour of hydrogen of ruthenium catalysts. 372955
Kladnitskaya, E.N.
Multiplicity of charged particles in π^- p interactions with production of strange particles. 375071
Klages, C.P.
Preparation of S-isotope substituted thiocarbonyl compounds. 364964
Klail, M.
General approach to the application of a nuclear source in the heat distribution system. (INIS-mf – 4055) 368426
The role of nuclear heat sources in district heating and electric power distribution systems. (INIS-mf – 4054) 368425
Klamerus, L.J.
Nuclear power plant fire protection research. 357739
Klamra, W.
Properties of rotational excitations in odd mass Dy isotopes. 354068
Klan, H.
On the transfer of heat by free convection of air in heated vertical channels. (INIS-mf – 4133) 365693
Klapwijk, T.M.
Phonon effects on superconductivity stimulated by microwaves. (INIS-mf – 4267) 377688
Klar, B.
Dynamical neutron diffraction by curved crystals in the Laue geometry. 371551
Klarin, A.P.
Connection of the NRD scanning automat and a digital computer using a buffer memory device system. (INIS-mf – 3909) 374529
Klarsfeld, S.
Self-energy corrections in muonic atoms. 353284
Klas, J.
The sub- and super-equivalence method of isotope dilution analysis. 372883
Klaschka, J.T.
Effect of argon desorption on the heat transfer performance of a fast reactor intermediate heat exchanger. (CONF-760503 – P2) 352762
Klassen, N.V.
Optical study of electrons and positive ions in pulse-irradiated liquid 3-methyloctane at low temperatures. 362260
Klassen, T.
Radioimmunoassay of Herpes simplex virus antibody: correlation with ganglionic infection. 357683
Klauder, J.R.
Affine fields and the operator formulation of augmented scalar fields. 350518
Classical concepts in quantum contexts. 355786
Klaumuenzer, S.
Enhancement of the superconducting critical temperature Tsub(c) of niobium by radiation damage. 354618
Study of damage rate decrease of lead irradiated with 25 MeV oxygen ions at 7.2 K. 370175
Klaus, W.
Evidence of two different Na^+-dependent [^{3}H]-ouabain binding sites of a Na^+-K^+-ATPase of guinea-pig hearts. 365420
Klausinger, D.
Compilation of three-dimensional coordinates and specific data of the instrumentation of the prestressed concrete pressure vessel/high temperature helium test rig. (SGAE – 2741) 374375
Klausnitzer, E.
Status of mechanical testing of heat-affected zones. 370783
Klebanov, Yu.D.
On kinetics of alloy evaporation in vacuum. 369971
Klebau, J.
Application of the PRS 4000 type process computing system to the Rheinsberg nuclear power plant. 374181
Kleber, M.
delta rays from K-shell ionization induced by heavy ions. 358768
Klecker, B.
Anomalous component of low-energy cosmic rays: A comparison of observed spectra with model calculations. 369130
Kleeberg, H.
Random pulser for testing nuclear radiation spectrometers. 374376
Kleefeld, K.
Considerations on a PAHR test facility. (CONF-761001 – P1) 362870
Kleefeldt, K.
Safety analysis aspects of a 2000 MWe LMFBR core. (CONF-761001 – P1) 363022
Kleemann, M.
Front closure for a heat exchanger, whose heat exchanger matrix is formed from the folds of a strip having even folds. 355273
Klehr, E.H.
The sub- and super-equivalence method of isotope dilution analysis. 372883
Klein-Doepke, W.
Coating substance hardened by high-energy radiation. 354435
Klein, A.
Bose condensation in supercritical external fields – Charged

condensates. 375117
WKB approximation for bound states by Heisenberg matrix mechanics. 368555
Klein, A.S.
Measuring low concentrations of plutonium and americium in earth samples. 378882
Klein, B.M.
Inverse isotope effect and the x dependence of the superconducting transition temperature in PdH/sub x/ and PdD/sub x/. 360018
Laser-matter interaction studies at NRL. 372038
Klein, C.P.
The use of ejection fraction, heart-minute-volume and time-dependent volume changes of the heart, determined with nuclear medicine methods. (INIS-mf – 4010) 362801
Klein, D.
Dynamic behaviour of the KNK-II core on operation. 371023
Fundamentals for dry storage of spent fuel elements from LWR reactors. 370728
Plant behaviour during operational transients. 376573
Safety requirements on nuclear process heat facilities with HTR reactors. 370974
Klein, E.
Proceeding for the condensation of a two-phase flow. (German (F.R.) patent document 1601110/B/) 376308
Klein, F.
Sources of natural uranium supply for the Federal Republic. 376820
Klein, G.
Charge-asymmetry equilibration in the reaction of ^{129} ^{132} ^{136}Xe with ^{197}Au near the interaction barrier. 366989
Creation and evolution of excited states in α particle tracks in anthracene crystals. (CRN-CNPA – 77-10) 353285
Highly excited states decay in p-terphenyl crystals. Magnetic field effect investigation. (CRN-CNPA – 77-13) 368660
Radioimmunoassay for Epstein-Barr Virus (EBV)-associated Nuclear Antigen (EBNA). Binding of iodinated antibodies to antigen immobilized in polyacrylamide gel. 365488
Klein, Gerard
Radiationless decay, fission and fusion of excitons in irradiated molecular crystals. (CRN-CNPA – 77-4) 353286
Klein, H.
Device for welding pipes onto pressurized elements, like tube sheets, pressure vessels, headers and the like. (German (F.R.) patent document 2519876/A/) 355148
Investigations on the influence of radiotherapy on the extent of DNA-repair in peripheral lymphocytes and tumor cells of patients with cancer. (SGAE – 2712) 357596
Temperature dependence of the EPR spectrum of ruby. 374727
Klein, H.W.
Earthquake design of the components of the heat transfer system. 376559
Klein, J.
Primary trapping and solvated electron yields. 357157
Time resolved magnetic modulation of ion recombination in organic solutions: spin motion in radical ion pairs. 362266
Klein, K.W.
Analysis of the venting system of the gas-cooled fast breeder reactor fuel element for various operating conditions. 358292
Klein, M.
The effect of resonance production on angular correlations. 353935
The energy-angle distribution of heavy particles penetrating solids. 371646
Klein, M.B.
Infrared four-wave mixing in liquid CO. 367864
Klein, M.L.
Lattice dynamics of quantum crystals via monte carlo techniques. (INIS-mf – 4267) 377019
Klein, O.
Recombinator of hydrogen and oxygen. (German (F.R.) patent document 2451438/A/) 354378
Klein, R.
Chemisorption and decomposition of nitric oxide on ruthenium. 369972
Study of the reactions $\pi^+p \rightarrow \pi^0\Delta^{++}(1236)$, eta Δ^{++} (1236) and eta'Δ^{++} (1236) at 16 GeV/c. 372526
Study of the reactions $K^-p \rightarrow K^+K^-\Lambda$ and $Kp \rightarrow$panti pΛ, at 10 and 16 GeV/c. 353978
Klein, S.S.
The polarized beam facility in Eindhoven. (INIS-mf – 4267) 379513
Scattering of polarized protons by iron and nickel isotopes. 362067
Klein, U.F.
Effect of pressure on Moessbauer isomer shift and magnetic hyperfine field in europium metal. 374728
Klein, W.
Action of some drugs on enzymes involved in DNA-repair and semiconservative DNA-synthesis. (SGAE – 2469) 357564
The effect of vinblastine on DNA metabolism in tumour cells. 354732
Influence of NaF on the DNA-metabolism during an osteoporosis therapy. (SGAE – 2717) 357597
Investigations on the influence of radiotherapy on the extent of DNA-repair in peripheral lymphocytes and tumor cells of patients with cancer. (SGAE – 2712) 357596
Kirkwood – Salsburg equations for a bounded stable Kac potential. I. General theory and asymptotic solutions. 350509, 350510
Klein, W.H.
Study of the biochemical effects of ionizing and nonionizing radiation on plant metabolism during development. Progress report, September 1, 1976 – November 30, 1977. (ORO – 4241-7) 373507
Kleinberg, J.
Radiochemistry of iodine. (NAS-NS – 3062) 365024
Kleinbok, T.S.
Mitotic cycle Pliss ovarian tumour cells and Pliss lymphosarcoma. 378958
Kleine-Tebbe, A.
The experimental development and performance test of the pneumatic control-rod drive for the THTR. 379587
Studies on ceramic coatings – a possible means to prevent frictional and diffusion welding of metallic materials in helium-cooled reactors. 370778
Kleinert, H.
Hadronization of quark theories and bilocal QED. (JINR-D – 1,2-10400(v.1)) 377743
Kleinfeld, A.M.
Re-orientation effect and multiple Coulomb excitation measurements of ^{134}Ba. 356802
Kleinheinz, P.
Energy levels in $_{65}{}^{149}Tb_{84}$ populated in the (α,6n) reaction. (ZfK – 336) 364809
High spin states and the 17 ns isomer in the N = 84 nucleus ^{148}Gd. (ZfK – 336) 364806
High spin states in the N = 84 nucleus ^{150}Dy. (ZfK – 336) 364807
Isomers in the N = 83 nucleus ^{147}Gd. (ZfK – 336) 364795
The 3^- state in the doubly closed shell nucleus $_{64}{}^{146}Gd_{82}$. (ZfK – 336) 364794
Kleinknecht, K.
A detector for high-energy neutrino interactions. 379899
Is there a high-y anomaly in antineutrino interactions. 351222
Like-sign dimuon events produced in narrow-band neutrino and antineutrino beams. 356512
Measurement of the neutral to charged current cross section ratio in neutrino and antineutrino interactions. 361888
Observation of a neutrino event with four energetic muons. 372525
Observation of trimuon events produced in neutrino and antineutrino interactions. 356511
Study of inclusive neutral current interactions of neutrinos and antineutrinos. 369377
Kleinman, L.
Trapping of positive energy electrons on an infinite sheet. 355938
Kleinman, L.I.
Corrections to the Born – Oppenheimer approximation in the calculation of iotope effects on equilibrium constants. 351592
Kleinmann, S.G.
Infrared measurements of Nova Monocerotis 1975 (A0620-00). (CONF-7510169 –) 364354
Kleinpoppen, H.
Coherence effects in electron-hydrogen scattering. 353235
Coherence parameters and vector polarization in the ^{3}P excitation of helium. 353306
Even-odd parity coherence effects in electron-hydrogen scattering. 361334
The hyperfine interaction in electron impact radiation of mercury. 353307
Near threshold polarization and excitation function of heavy rare gas atoms. 353176
Kleinrahm, A.
High-spin states in ^{203}Bi populated in the (α, 4n) reaction. 372765
Kleint, Ch.
Coverage dependence of FE flicker noise. 378658
Photo field emission spectroscopy of the tantalum band structure. 378657
Kleisner, I.
Preparation and testing of sup(99m)Tc-EDTA kits. 349338
Kleist, G.
Irradiation creep of two reactor-grade graphites measured continuously between 850 and 1100°C. 370170
Review of a test programme on irradiation creep of graphites and systemisation of results. 360098
Klejman, E.B.
Compton effect and pair production for relativistic particles in a plasma. 356128
Klejman, Yu.L.
Device for suppressing spin-spin interactions in nmr radiospectrometers. (Soviet patent document 473090/A/) 376677
High-resolution nmr radiospectrometer. (Soviet patent document 490002/A/) 350364
Klejmenov, V.F.
Division analog circuit for semiconductor position-sensitive detectors. 376744
Klem, R.
Differential cross sections for p-^{4}He elastic scattering at GeV energies. 354220
Klemencic, R.
Investigation of the Nb-Dsub(0.04) system under hydrostatic pressure by neutron scattering. 365138
Klemenic, J.
Production capability: ERDA methods and results. 362337
Klemens, P.G.
Thermal conductivity. Vol. 14. 373179, 373186, 373189, 373236, 373242, 373261, 373264, 373288, 373306, 373308, 373387
Klement, V.
Digital image processing for the quantification of scintigraphic investigations of the heart. (INIS-mf – 4010) 363574
Klemic, H.
Brannerite from the Penn Haven Junction uranium occurrence, Carbon County, Pennsylvania. 357460
Klemish, J.R.
Monitoring of radioiodine from containment accidents. (BNL –

23112) 373456
Klemm, A.
An exactly soluble model for matter interacting with radiation. 355787
Klemm, J.
Cavitation experiments at butterfly valves in water and in sodium at 850K. (IWGFR – 9) 352771
Klemparskaya, N.N.
Homologous blood effect on the effectiveness of active immunization of irradiated animals with intestinal bacteria. 370340
Study in the allergic activity of plant radiotoxins intracutaneously injected into irradiated animals. 360260
Klemperer, W.
Indirect observation of unobservable interstellar molecules. 351023
Vibrational relaxation in seeded supersonic alkali halide beams. 358782
Klempin, J.
Tracerkinetic investigations on isomerization and synthesis of C^8-aromates. 2. 372954
Klempner, K.S.
Discrete radioisotopic relays of a cyclic action. 357895
Klems, J.H.
Extraction of average multiplicities of high-energy off-mass-shell $\pi\pi$ and $K\pi$ scattering. 359338
Klener, P.
Serum thrombopoietic activity following administration of vinblastine. 354851
Klenin, B.A.
Semiautomatic system for measuring the magnetic field of an isochronous cyclotron. (JINR – 9-9545) 367963
Klenin, M.A.
Meltdown phase for an LMFBR loss of heat sink during shutdown. 352190
Klenov, G.I.
Determination of the fields of controlled metal transfer in pulsed-arc welding with consumable electrodes. 349403
Klenus, V.G.
Investigation of rare earth titanoniobates electrophysical properties. 359701
Klepatskij, A.B.
Consideration of the (n,γf) process when calculating widths of radiative capture and mean cross-sections of fissionable nuclei. (INDC(CCP) – 113/U) 356659
Evaluation of nuclear data on ^{241}Pu for the compilation of a complete file of constants. (INDC(CCP) – 113/U) 356805
Klepper, D.
Electron-microscopic autoradiography of tritiated testosterone in rat testis. 357636
Klepper, O.
New neutron-deficient tellurium, iodine, and xenon isotopes produced by reactions of 290 MeV ^{58}Ni ions on ^{58}Ni and ^{63}Cu targets. 364793
Klepper, O.H.
Assessment of a small pressurized water reactor for industrial energy. (ORNL/TM – 5881) 374191
Reliability estimation for multiunit nuclear and fossil-fired industrial energy systems. (ORNL/TM – 5837) 363433
Technical and economic studies of small reactors for supply of electricity and steam. 371247
Kleppingei, W.E.
Analysis of the recoil ion spectra for the β-decays of ^{16}He, ^{19}Ne and ^{35}Ar. 372630
Kleppner, D.
Velocity dependence of fine structure changing cross sections. 353329, 377099
Kler, N.I.
Investigation of radiation-induced block polymerization of N-2,4-dimethylphenylmaleimide. 349351
Klersy, R.
CEC activities in the field of LMFBR safety. (CONF-761001 – P3) 365516
Role of the Joint Research Centre of the Commission of the European Communities in nuclear safety research. 352225
Kleshchev, A.S.
Defects in swaged pieces of nickel-base alloys. 351708
Slag inclusions in vacuum-melted ingots of the KhN73MBTYu nickel base alloy. 375766
Study of aluminium and titanium total quantity ratio effect on the technological plasticity of high alloyed nickel heat resisting alloys. 351767
Klessmann, H.
Introducing CAMAC. (HMI-B – 238) 376711
Kletowski, Z.
Neutron crystal-field spectroscopy in $PrSn_3$. 378622
Kleuh, R.L.
Effect of heat treatment on tensile properties of annealed 2 1/4 Cr-1 Mo steel. 360982
Klevtsov, I.V.
Study of conditions of hydrothermal synthesis of rare earth molybdates in aqueous solutions of potassium molybdate. 351506
Klevtsov, P.V.
Synthesis of crystals of double molybdates of lithium with bivalent metals Mg, Ni, Co, Fe and Zn. 359675
Klewe-Nebenius, H.
Experimental studies of hexadecapole motion in spherical nuclei. 375090
Klewe, C.
Lasers aid remote corrosion monitoring. 375730
Klewer, M.
Ion-pair formation in Cs_2 by two-photon absorption. 376968
Kleykamp, H.
Advances in carbide fuel element development for application to fast reactors. 367327
The chemical behaviour of mixed-carbide fuel rods under irradiation. 370835
Chemical state of irradiated carbide fuel pins. 378802
Fuel rod development. (KFK – 1277/2) 371039
On the thermodynamics in the system iron-tungsten-carbon. (KFK-EXT – 6/77-1) 351768
Kleyn, A.W.
The harpoon reaction. (INIS-mf – 4267) 377052
Klibanov, E.L.
To the problem of reduction of molybdenum and tungsten alloyed with rhenium. 349400
Klick, D.I.
Luminescent decay and spectra of impurity-activated alkali halides under high pressure. (COO – 1198-1187) 373320
Kligerman, M.M.
Status report: direct track detector dosimetry in negative pion beams. 368301
Klik, F.
Regulatory activities and their research and developmental support in the CSSR. 371267
Klima, R.
Direct currents generated by microwave heating in toroidal plasma. 377455
Direct toroidal current generated by microwaves. (INIS-mf – 3963) 371915
Klimakov, A.M.
Pressure of saturated vapour of crystalline bismuth oxyiodide BiOI. 359633
Klimanova, R.S.
Influence of heat and radiation ageing and light ageing on the properties of polysulphone. 357158
Thermoradiative ageing of epoxisilicone resin SK-13. 357159
Klimas, A.J.
Test particle propagation in magnetostatic turbulence. 3: the approach to equilibrium. (N – 77-27864) 378929
Klimashov, A.A.
Charged particle spectrometer. (Soviet patent document 307695/A/) 379906
Klimchitskaya, G.L.
Electron-electron weak interaction in atoms and ions. 374616
Klimenko, A.G.
Measurement of stripping cross-section of hydrogen atoms on a pulse gas target in the 3-0,5 KeV energy range. (INIS-mf – 3915) 371503
Klimenko, A.N.
Investigation into thermodynamic stability of $AlWO_4$ and reaction between Al_2O_3 and WO_2 at higher temperatures. 369660
Klimenko, A.V.
Simplified determination of average neutron yield per thermal neutron absorbed in light water-uranium lattice. 358034
Klimenko, E.Y.
Preliminary structural analysis of the toroidal field coils for T-10M. (CONF-771029 – 60) 371874
Klimenko, E.Yu.
Some problems for constructing of circulation superconducting magnetic systems. (IAE – 2397) 349991
Superconducting magnet for an experimental MHD generator. (IAE – 2538) 349043
Klimenko, L.A.
Observation of muon pairs in neutrino interactions at Serpukhov 70 GeV accelerator. 361870
Klimenko, M.A.
Extraction of alkali-earth elements and magnezium by α-branched monocarboxylic acids. 357222
Investigation of rare earths extraction by branched monocarboxylic acids. 351530
Klimenko, S.V.
J/psi production off Be, Cu and W by 43 GeV/c negative pions. 369344
Klimenko, V.G.
A study of πsup(+), πsup(-) and proton production in pp interactions at 69 GeV/c. 361867
Klimenko, V.P.
Erosion of the 4-6- and 8 group transition metals under intense laser radiation. 349524
Klimenko, V.S.
Heat conductivity of the composite material based on powders and iron and copper fibers. 370090
Klimenko, Yu.I.
Scattering of a free electron by a force center. 358664
Scattering of fermions on an arbitrary central force field. 361286
Klimenkova, Z.S.
Bromination of zirconium and hafnium acetylacetonate derivatives. 354323
Klimentov, A.S.
Nature of radicals and mechanism of low-temperature radiolysis of cellulose. 349347
Klimkin, G.P.
Result ambiguity of ultrasonic testing of welded joints before and after the heat treatment. 375804
Klimkovich, E.A.
Amperometric titration of mercury by a unithiol solution. (KFK-tr – 530) 351581
Klimov, A.I.
Analog short-time interval converter on integrated circuits. 376712

Klimov, E.S.
Reaction of sterically hindered o-quinones with alkyl derivatives of the third group elements. 372993
Klimov, K.M.
Effect of elastic deformation on electric conductivity of thin wires and strips of molybdenum-rhenium and tungsten-rhenium alloys. 349482
Investigation and processing of warm wire flattening method of molybdenum-rhenium and tungsten-rhenium alloys. 349415
Klimov, V.D.
Application of infrared spectroscopy for study of chemical bonds in complexes of rare earth nitrates with alkylammonium nitrates. (IAE – 2363) 349241
Klimov, V.I.
Application of X-ray radiometric method in prospect-exploration works at gold ore deposits of Uzbekistan. 357507
Radioactive elements in hast rocks and hydrothermally altered rocks o kokpatass ore field. 349664
Klimov, V.V.
New phase transitions in lead zirconate-titanate. 355996
Klimova, L.K.
Material for evaporators (crucible). (Soviet patent document 485175/A/) 349388
Klimova, M.
ESR study of pressure and temperature dependence of free-radical decay in poly(vinyl chloride). 373096
Klimova, T.P.
Investigation into electronic structure of some C-substituted of dicarbaclosododecarboranes using IR and NMR spectroscopy. 364932
Klimovitskij, I.K.
Ferromagnetic resonance in iron-chromium monocrystals. 370020
Klimovskij, Yu.A.
Mass spectrum of secondary ions knocked-out from copper surface by argon ion beam. 364051
Klimuk, P.I.
Emission variability of the Sco X-1 source on the observations of the Salyut-4 station. 364387
Observations of Cygnus X-1 on the Salyut-4 space station. 374963
Observations of the Cir X-1 X-ray source on the salyut-4 space station. 361709
Klinchikova, S.A.
Saturated vapor pressure of alkoxy-compounds of niobium and tantalum. 351509
Klinchuk, Yu.I.
Peculiarities of void formation during mutual diffusion in "closed" shape samples. 378624
Kline, G.R.
Field induced magnetic form factor of γ-Ce. (IS-M – 113) 373273
Kline, R.A.
Variations in frequency content of acoustic emission during extension of HF-1 steel. 352430
Kline, R.V.
Measurement of the π^+p and π^-p polarization parameters at 100 GeV/c. 351209
Klinetob, R.H.
Optimization system design studies of advanced carbide fuel. 379739
Klingaman, R.M.
Nuclear plant modification feasibility for radwaste volume reduction equipment. 357767
Klingelhoefer, R.
Heating of fusion plasma by accelerated neutral beams. 377456
Negative ions produced from clusters for plasma heating. (INIS-mf – 3963) 371742
Klingen, T.J.
Radiation chemistry of plastic crystals. Annual progress report, November 1, 1976 – October 31, 1977. (ORO – 3781-14) 373055
Klingensmith, W.C. III
Advances in computer applications in radioactive tracer studies of the circulation. 355701
Klingenstierna, B.
Inconceivable events in handling material in a heavy mechanical engineering industry. (FTL – A16-71E) 379557
Klinken, J. van
Average multipolarities of quasi-continuum transitions measured with a mini-orange spectrometer. (INIS-mf – 3946) 349135
Klinker, J. van
Nuclear spectroscopy. (INIS-mf – 4267) 378019
Klinkert, G.F.
Radiographic and ultrasonic inspection of an austenitic pump barrel. (IWGFR – 10) 363509
Klinkova, L.A.
Heterogeneous equilibrium in MoO_2-I_2 system. 359634
Klinov, A.V.
Distribution of costs in accumulating isotopes of transuranium elements. 350415
Klinovitskij, F.I.
Device for the measurement of a probe immersion depth during radioactive reference mark recording in a borehole. (Soviet patent document 462155/A/) 378864
Klinshpont, Eh.R.
Free radical reaction stimulation by stretching of irradiated polymers. 351640
Kliot, L.Ya
Extraction-photometric methods with substitution of reagent. (INIS-mf – 4191) 375215
Klippel, H.
Device for welding pipes onto pressurized elements, like tube sheets, pressure vessels, headers and the like. (German (F.R.) patent document 2519876/A/) 355148
Klippel, H.Th.
Adjusted neutron spectra of STEK cores for reactivity calculations. (ECN – 35) 376407
Klipping, G.
A ^{3}He cryostat with an automatically refilled condensation stage for long term operation. 360614
Boundary conditions for cryopumping in fusion machines of the Tokamak type. 358970
Description of the cryopumps and cryogenic ancillary equipment as proposed for JET. 358943
Evaporation losses during handling of liquid helium. 360618
Experience with a supercritical helium cooling system for the investigation of superconductors. 360628
Klir, P.
Changes of the antiheparin activity of the blood plasma and lymph in dogs after total irradiation. 365388
Klishevskij, S.M.
Development and study on a model of a liner for a pulsed theta pinch reactor. (INIS-mf – 3954) 361492
Kliss, R.M.
Intensity and position measuring systems in the booster of the Zero Gradient Synchrotron. 363173
Klissurski, D.G.
Exchange of molecular oxygen with the oxygen of aluminium molybdate. 364965
Isotopic exchange of molecular oxygen with the oxygen of nickel molybdate. 375482
Klitina, V.I.
Determination of boron with 1,1sup(') diantrimide in aluminium alloys. 375293
On determination of phosphorus in nickel alloys containing chromium titanium and niobium. 375294
Klitzing, W.D.
Waste water disinfection by means of high-energy UV irradiation. 367651
Klobasa, F.
Determination of the thermal efficiency of a nuclear power station. 376807
Klochan, V.A.
Magnetic field effect on critical behaviour of $FeBO_3$ weak ferromagnet susceptibility. 374699
Nuclear magnetic resonance investigation of spin reorientation phase transitions in Yttrium-Terbium ferrite garnets. 355962
Study on spin-reorientation phase transformation in samarium ferrite garnet by static and NMR methods. 350713
Klochikhin, A.A.
Multiphonon processes in resonance scattering and exciton luminescence in crystals. 371628
Resonance combination light scattering on longitudinal optical phonons in mixed crystals. 350743
Klochkov, A.V.
High-stable transformer direct current transducers. (JINR – 13-9827) 376743
Klochkov, V.I.
Increasing the efficiency of the systems for pressure reduction in the WWER type reactor containment during a loss-of-coolant accident. 367756
Operation of WWER type reactors utilizing the power effect. 368146
Klochkova, L.I.
Method for definition of the local flux density of fast monochromatic neutrons. 371111
Klochkovskaya, G.D.
Kinetic method of selenium and tellurium determination using reduction of cobalt (3) ethylene diamine tetraacetate by tin(2) chlorides. 378130
Klochkovskij, S.P.
Kinetic method of selenium and tellurium determination using reduction of cobalt (3) ethylene diamine tetraacetate by tin(2) chlorides. 378130
Kloeppel, H.
Dependence of the calcium isotope effects of the electrolyte concentration in the ion exchange chromatography. 364957
Kloet, W.M.
Few nucleon problem with realistic nucleon – nucleon interactions. (LA-UR – 77-1525) 356616
Kloetzer, K.H.
Biological response of solid Ehrlich carcinoma of AB mice to therapeutic X-irradiation under different fractionation regimes. 1. 365389, 365390, 365391
Klokishner, S.I.
Calculation of temperature broadening of the phononless A-line in the sup(4)Fsub(3/2)→sup(4)Isub(11/2) luminescence band of Nd^{3+} ion in yytrium-aluminium garnet. 368608
Contribution of one- and two-phonon processes into temperature shift and level broadening of impurity rare earth ions. (INIS-mf – 3955) 377214
Determination of phonon density of crystals according to oscillation of satellites of non-phonon lines in luminescence spectra. 371566
Klokman, V.R.
Investigation of thorium coprecipitation with calcium fluoride crystallizing from CaF_2-$CaCl_2$ melt. 351628
Strontium fluoride behaviour in fluoride melts in the presence of non-isomorphic carrier-lanthanum fluoride. 354392
Klonover, A.
Ab initio calculations of electron-molecule scattering cross sections including polarization. 353287
Electron-molecule scattering calculations including polarization and

correlation. 358764
Klootwijk, W.
A new radioimmunoassay of thyrotropin-releasing hormone. 362837
Kloppe, H.P.
^{64}Cu labelled vitamin-B 12 analogues. (INIS-mf – 4010) 362236
Klose, F.
Process control computers solve optimization problems. 358100
Klose, W.
Biochemistry of metallocenes. Pt. 2. 354878
Biochemistry of metallocenes. Pt. 3. 376074
Kloss, K.
Dynamic and static brain scintigraphy for the detection of brain tumor recurrences. (INIS-mf – 4010) 362820
Klots, C.E.
Electron attachment to carbon dioxide clusters in a supersonic beam. 350636
Klotsman, S.M.
Volume self-diffusion in tungsten. 369897
Klotz, D.
Annual report 1975. (GSF-R – 132) 349668
Klotz, G.
Decay of ^{46}Ar. 369488
Gamma-ray spectroscopy of ^{37}Cl via the ^{3}H(^{35}Cl,pγ)^{37}Cl reaction. 356699
Klra, P.C.
Operational problems of PHWR type nuclear station in the present day Indian grids. 379450
Kluberg, L.
Search for quarks produced with large transverse momentum in 400-GeV proton-nucleus collisions. 359331
Test of scaling in muon-pair production by hadrons. 366878
Klueber, O.
Influence of a resonant helical octopole field on the Pulsator tokamak plasma. (INIS-mf – 3963) 371910
Internal modes and disruptions with increasing electron density in the Pulsator tokamak. (INIS-mf – 3963) 372020
Klueh, R.L.
Exploratory testing in support of constitutive equation development for inelastic analysis. (IWGFR – 11) 355236
Heat treatment effects on the tensile properties of annealed 2.25 Cr – 1 Mo steel. 362422
High strain rate tensile properties of annealed 2 1/4 Cr – 1 Mo steel. 357289
Mechanical property characterization in support of elevated temperature reactor design. 373321
Kluge, D.
Prompt neutron spectrum in thermal fission of ^{235}U in the energy range from 10 keV to 1 MeV. (INIS-mf – 3896) 356816
Kluge, E.E.
Observation of jet structure in high psub(T) events at the ISR and the importance of parton transverse momentum. 353956
Kluge, H.
Nuclear shape staggering in very neutron-deficient Hg isotopes detected by laser spectroscopy. 351385
Kluge, H.J.
Nuclear spins of ^{76}Rb and ^{119}Cs by β radiation detected optical pumping. 375174
Kluge, W.
Proposal for an experiment at SIN: dosimetry of the πE3 beam: determination of the beam components. (LA-tr – 77-70) 379479
Proposal for an experiment at the SIN: contribution on πE3-beam dosimetry. Measurement of particle spectra after pion absorption in biologically interesting nuclei. (LA-tr – 77-71) 379380
Kluger, B.M.
Level structure of ^{102}Rh via (^{3}He,d) and (p,d) reactions. (TID – 27909) 378059
Kluger, W.
Method for disposing radioactive resin wastes and the appropriate device. (German (F.R.) patent document 2531584/A/) 355640
Recent experiments on the treatment of medium level wastes and spent solvent and on fixation into bitumen. 358466
Kluiver, H. de
Current-driven turbulence in plasmas. (Rijnhuizen – 77-106) 374829
Proposal for skin heating of the Frascati tokamak. 353614
Skin heating and confinement in a tokamak plasma. (INIS-mf – 3963) 371916
Klundert, L.J.M. van
Hysteresis of niobium in time dependent fields up to 3 k0e amplitude. 359941
Klundert, L.J.M. van de
The osmotic pressure of ^{3}He-^{4}He mixtures along the phase separation curve. 353733
Klundt, R.H.
Flow stress, subgrain size, and subgrain stability at elevated temperature. 357329
Kluttig, H.
An analysis of the Gargamelle freon data concerning pion production by the weak neutral current. 361890
Kluyver, J.C.
A study of inclusive Ξ^- production from K$^-$p interactions at 4.2 GeV/c. 353964
Klyachko, L.A.
Critical conditions for ignition of boron particle suspension in gas. 349317
High-temperature combustion of fixed boron particle in oxygen-containing media. 351590
Klyachko, Yu.A.
Increase in hydrogen embrittlement resistance of chromium steels. 375896
Klykov, O.V.
Effect of the depth-distribution of basal cells on their survival after the skin irradiation with β-particles of varying energy. 360270
Klym, N.M.
Structure of the eutectic In-Sn-Sb alloy in a liquid state. 378309
Klymko, P.
Direct effects in the electrophilic substitution of deltahedral boranes and heterboranes. Deuteration and halogenation of 1-SB_9H_9 and $SB_{11}H_{11}$. 378406
Klyucharev, A.P.
Application of the statistical model for analysis of (n, α) reaction cross-sections on ^{54}, ^{56}, ^{57}, ^{58}Fe and ^{58}, ^{60}, ^{62}Ni nuclei excited by fast neutrons. (INIS-mf – 3897) 356590
Differential and integral cross-sections of (n, α) reactions on sup(54,56,57,58)Fe and sup(58,60,62)Ni nuclei at neütron energy 14.7 MeV. (INIS-mf – 3897) 356747
Differential cross section mesurement of elastically scattered 8,0 and 9,0 MeV protons by some isobars and isotopes of mean atomic weight. (KFTI – 75-15) 362108
Internal conversion electrons from sup(188m)Ir decay. (KFTI – 75-15) 362097
Isomeric ratio in the ^{197}Au(p,n)^{197}Hg reaction and a superconductivity model. (KFTI – 75-15) 359524
Proton radiative capture in ^{58}Ni, ^{60}Ni, ^{61}Ni nuclei. (KFTI – 75-15) 362078
Some applications of the method of element analysis by proton-excited x-radiation. 359573
Study on the (n,α) reaction on iron and nickel isotopes at neutron energies of 14,7 MeV. (KFTI – 75-15) 359474
Klyucharev, V.A.
Quadrupole interaction in strontium titanate. 377217
Klyucharev, V.E.
Liquation of gases in the process of high chromium steel ingots crystallization and their distribution in the final products. 357239
Klyuchnikov, A.A.
New on the ^{182}Ta decay. 378020
On the ^{194}Au gamma spectrum. 375209
Klyuchnikov, N.G.
Effect of some nitro- and nitroso compounds on electrochemical properties of titanium alloys VT1-1 and OT4 in hydrochloric and sulfuric acids. 378422
Klyuchnikov, V.M.
Method for preparation of nitrate and chloride solutions of zirconium. (Soviet patent document 460245/A/) 375405
Klyuev, M.M
Quality of high-speed steel of huge electroslag ingots. 349455
Klyukin, N.G.
Computer aided design of linear dynamic systems in a dialog regime. (JINR – 11-8888) 353023
Klyukvina, E.F.
Optimum characteristics of a propotional counter for a detection of the cosmic X -ray radiation from 2 to 25 keV. 361062
Radiation loading effect on characteristics of proportional counters. 361097
Kmita, A.M.
Effect of transverse drift of charge carriers on acoustoelectron interaction in piezoelectric-semiconductor laminated structure. 371609
Effect of transverse electron drift on absorption of surface acoustic waves in CdS. 377218
Knaab, H.
Experimental power ramps in KWO and KWR-A fuel elements. 370836
Knaak, J.
Magnetostrictive probe. (German (F.R.) patent document 2541530/A/) 376713
Knaap, H.F.P.
The temperature dependence of the viscomagnetic effect in the hydrogen isotopes. 361436
Knab, D.
Procedure for the analysis of americium in complex matrices. (LA – 7057) 378131
Knaepen, L.
Post-corrosion analyses of a sodium – sodium heat exchanger after 60,000 hours sodium exposure. (CONF-760503 – P2) 352728
Knaf, B.
Inner-shell ionization in symmetric ion-atom collisions at MeV energies. 353335
K-shell vacancy creation in collisions of F ions and target atoms from Z = 5 to 57. 353364
Knapecz, G.
Generalized mechanics as a representation of the ordinary mechanics. 353101
Knapik, I.
Investigation of a 90-channel Pb glass Cherenkov hodoscope. 358336
Knapik, J.
Multiwire proportional chambers with a small sensitive area. (INP – 864/PH) 374312
Knapp, A.G.
The effect of electron bombardment on evaporated films of sodium aluminium fluoride. 368817
Knapp, B.
Large aperture two arm magnetic spectrometer at ISABELLE. (BNL – 50611) 357971
Knapp, E.
Quantum-mechanical treatment of collision-induced dissociation. 368661

Knapp, E.A.
Tuning the beam shaping section of the LAMPF Biomedical Channel. 363310
Knapp, G.A.
Support required from Canada in the operation and maintenance of CANDU stations overseas. 360934
Knapp, G.S.
Electron and phonon properties of A-15 compounds and Chevrel phases. 373187
Knapp, J.A.
Electronic structure of the thorium hydrides ThH_2 and Th_4H_{15}. 360035
Knapp, W.H.
A new method for automatic determination of circulation times in nuclear cardiology. 376188
Radiocardiography during first cardiac passage. (INIS-mf – 4010) 362822
Knappe, J.
Design and operating mode of the SAAS pilot plant for bituminization of radioactive wastes. (SAAS – 220) 366078
Knauer, U.
Cathodoluminescence spectrometry for the inspection of silicon-doped gallium-arsenide light-emitting diodes. 353451
Knaul, J.
Variant of an insulation for a PNP hot-gas line. 370969
Knaus, S.E.
Disc-Donut-Tube wear test report, Phase I. (TID – 27816) 379773
Knauss, H.
Experiments on the determination and limitation of fission and activation product release during core meltdown. (KFK – 2435) 357726
Knauss, K.G.
Uranium in open ocean: concentration and isotopic composition. 365308
Knauss, U.
Device for measuring fluid quantities. (German (F.R.) patent document 2552890/A/) 371168
Kneale, G.
Radiation exposures of Hanford workers dying from cancer and other causes. 365640
Knecht, D.A.
Evaluation of methods for immobilizing krypton-85. (ICP – 1125) 352861
Knecht, P.D.
What about improving the productivity of electric power plants. 363694
Knecht, R.L.
Irradiation effects and design of LMFBR permanent reactor structures. 368198
Kneissl, U.
Application of particle accelerators in medicine and engineering. 376373
Investigation of the neutron rich nuclei ^{108}Rh and ^{109}Pd. 356695
Knez, V.
An indirect solid-phase microradioimmunoassay for human IgM-anti-IgG (rheumatoid factor). 352160
Knezevicj, Lj.
Sorption of Cs on natural and modified bentonite. 369644
Knezovic, A.
Target stations and beam dumps for the CERN SPS. 363268
Kniazev, V.V.
Λ and anti Λ production in K⁺p interactions at 32 GeV/c. 372512
Kniazewycz, B.G.
Design and operating considerations for commercial LWR volume reduction systems. 357790
Kniel, K.
Responses to regulatory positions on BN-TOP – 4. (BN-TOP – 4(Rev.1)) 362962
Knieper, J.
Method for solidifying liquid wastes containing radioactive or toxic material. (German (F.R.) patent document 2531056/A/) 355636
Shielding of fast neutrons from cyclotron targets. 354014
Knierim, K.D.
Steady state hot atom kinetic model calculations. Time dependent rate coefficients for the nonthermal $^{18}F + H_2$ reaction. 378466
Knies, G.
Evidence for the tau → γrhoπ decay mode. 372500
A high resolution low cost charge sensitive amplifier. 355508
Measurement of the branching ratios for the decays J/psi(3.1) → fω and J/psi(3.1) → Bπ. 372506
Measurement of the J/psi radiative decay into f⁰(1270)γ. 377779
Kniffen, D.A.
Relationship between the galactic matter distribution, cosmic-ray dynamics, and gamma-ray production. 359112
Knight, A.
Design and performance of major body-monitoring facilities. 371112
A realistic chest phantom for the assessment of low-energy photon emitters in human lungs. 360534
Knight, G.B.
Radiation surveys in contaminated communities. (HASL – 325) 378930
Regulatory concerns arising from the Port Hope situation. 368465
Knight, H.G.
Determination of fluorine by neutron activation analysis. 364884
Knight, J.D.
Some recent results on μ⁻transfer in systems with bound hydrogen. (LA-UR – 77-1266) 361371
Knight, R.H.
On electromagnetic moments and transition rates in light and medium-light nuclei in the coriolis coupling and extreme coriolis coupling model. 364696
Knight, R.L.
Thermal behavior of concrete. (SAND – 77-1093C) 367768
Knight, W.S.
^{57}Co: a volume marker for the triple-isotope, double-antibody radioimmune assay. 357682
Knights, C.F.
Phase diagrams and thermodynamic studies of the Cs-Cr-O, Na-Cr-O and Na-Fe-O systems and their relationships to the corrosion of steels by caesium and sodium. 375731
Knippelberg, W.
Experimental investigation about the mechanism of fission-fragment induced desorption. 363887
Knipper, A.
Decay of ^{46}Ar. 369488
Decay studies of some nuclei around Z = 50: sup(106 m)Ag, sup(103, 119, 121)Cd. (INIS-mf – 3946) 362070
Knittel, B.
Whole-body bone scans in patients with plasmacytoma. Typical pattern of 'hot spots' in the rib cage. 365466
Knittel, D.R.
Chemical hysteresis in phase reactions in fluorite-related systems: the reactions $PrO_{1.714}(i) + 0.032O_2$ in equilibrium $PrO_{1.778}(xi)$ and $TbO_{1.714}(i)$ in equilibrium $TbO_{1.500}$ (phi) + $0.107O_2$. 357375
Knitter, H.-H.
Neutron total and elastic scattering cross sections of ^{6}Li in the energy range from 0.1 to 3.0MeV. (EUR – 5726) 359497
Knizhnikov, V.A.
Some approaches to the problem of determining standards for population exposure due to radioactive releases from nuclear power stations. 367799
Knizia, K.
Improvements in energy transforming engineering. 355662
Knoblauch, K.
Method for the separation and extraction of radioactive krypton and xenon isotopes from waste gases. 370725
Knobloch, J.
A detector for high-energy neutrino interactions. 379899
Is there a high-y anomaly in antineutrino interactions. 351222
Like-sign dimuon events produced in narrow-band neutrino and antineutrino beams. 356512
Measurement of the neutral to charged current cross section ratio in neutrino and antineutrino interactions. 361888
Observation of a neutrino event with four energetic muons. 372525
Observation of trimuon events produced in neutrino and antineutrino interactions. 356511
Study of inclusive neutral current interactions of neutrinos and antineutrinos. 369377
Knoch, H.
The influence of powder composition and sintering temperature on transformation kinetics, structure and mechanical properties of hot-pressed silicon nitride. (AED-Conf – 77-314-001) 365200
Knoch, W.
Reduction of tritium-containing aqueous waste from a large reprocessing plant. 369841
Knockaert, M.
Quality assurance during operation of a nuclear plant. 352961
Knoeckel, H.
Optical isotope shift measurements of $^{40\ 42\ 43\ 44\ 48}$Ca by use of enriched isotopes in an atomic beam. 366325
Knoedler, D.
Fuel element for a nuclear reactor. (German (F.R.) patent document 2413464/B/) 355325
Nuclear fuel in water reactors: Manufacturing technology, operational experience and development objectives in the Federal Republic of Germany. 365826
Knoepfel, H.
Dynamics of high energy runaway electrons in the Oak Ridge tokamak. (ORNL/TM – 6103) 377585
Knoepfle, K.T.
Spins of proton hole states from analyzing powers of (d, tau) reactions at 52 MeV. 369462
Strong effect of isospin mixing in ^{16}O. 364831
Knoesel, H.
Impact of the welding structure on the oscillations of unalloyed and high-alloy structural steels. 354507
Knoezinger, H.
Chemisorption and deuterium exchange of propylene on eta-Al_2O_3. 375465
Knof, G.
Combined determination of total carbon and ^{14}C contents in soil samples and organic substances. 372884
Knoll, G.F.
Fission cross sections of ^{235}U and ^{239}Pu averaged over ^{252}Cf neutron spectrum. (BNL-NCS – 22500) 356734
Nu-bar of ^{252}Cf. (BNL-NCS – 22500) 356722
Knoll, J.
Rows on rows – a theory for collisions between heavy ions at high energy. 361986
Knopf, K.
Scattering of slow neutrons by the isotopes of chlorine. 351382
Knopp, R.
Experimantal determination of kidney perfusion in dogs, using sup(99m)Tc-pertechnetate. (INIS-mf – 4010) 357672
Functional scintigraphy of left ventricle contraction. (INIS-mf – 4010) 365492
Functional scintigraphy of left ventricle contractions. (INIS-mf – 4010) 367690

Knor, Z.
Field emission and field ionization studies and their impact on the formulation of elementary steps in the heterogeneous activation of gas molecules by transition metal surfaces. 378310
Knorn, M.
Investigation of the heat conductivity of niobium in the temperature range 0.05 – 23K. 351748
Knorr, D.B.
Quantitative characterization of crystallographic textures in zirconium alloys. 373218
Knorr, K.
Crystal electric fields in rare-earth Al_2 compounds. 378635
Crystal fields in Pr-hydrides. 378771
Crystal fields in PrX_3(X = In,Tl,Pb,Sn) intermetallic compounds with Cu_3Au structure. 378632
Neutron inelastic scattering study of the compound $CeAl_3$. 378696
Knotek, M.L.
High-field magnetoresistance of hopping transport in the disordered impurity system of the transmutation-doped Ge. 359942
Knotek, O.
Calculation of strength of single-lap shear specimen. 362427
Selective production of short-lived neutron deficient nuclei of yttrium, strontium and rubidium by the use of molybdenium or zirconium as on-line solid target materials. 379367
Selective production of short-lived neutron-deficient isotopes of yttrium, strontium and rubidium using molybdenum and zirconium as on-line solid-state targetmaterial. (ZfK – 332) 372949
A study of wear resistant nickel-boron-silicon coating alloys. 359943
Knoth, A.
Flavour content of the quark sea. 353854
Spin 0 and 1 effects in deep inelastic electron-proton scattering. 351224
Knotik, K.
Sedimentation technique of waste bituminization and thermogravimetric characteristics of the final products. 358508
Knott, D.R.
Studies on general resistance to stem rust in wheat. 373748
Knott, J.F.
The effect of specimen size on the ductile/brittle transition temperature in an A533B pressure vessel steel. (INIS-mf – 3962) 351751
Knowles, H.B.
Etch induction time in cellulose nitrate: a new particle identification parameter. 368318
Status report: direct track detector dosimetry in fast neutron beams. 367828
Status report: direct track detector dosimetry in negative pion beams. 368301
Knowles, L.G.
Advances in computer applications in radioactive tracer studies of the circulation. 355701
Knowles, P.
Cyclotron resonance in Hgsub(1-x)Cdsub(x)Te at 337 micrometre in the range 77 K – 150 K. 377219
Knox, C.
Pressure dependence of positron lifetimes in V_3Si. 357325
Knox, J.B.
Transnational air quality: the case for the stratosphere. (UCRL – 79428) 367526
Knox, W.E.
Regulations of enzymes in animals: effects of developmental processes, cancer and radiation. Progress report XI, 1 May 1976 – 30 April 1977. (COO – 3085-58) 362630
Knudsen, A.G. Jr
Environmental carcinogenesis and genetic variability. 362702
Knudsen, H.P.
Advanced geostatistics in ore reserve estimation and mine planning (practitioner's guide). (GJBX – 65(77)) 373407
Knudsen, P.
Performance evaluation of UO_2-Zr fuel in power-ramp tests. 365828
Knudson, A.G. Jr.
Germinal and somatic mutations in cancer. 362703
Knudson, K.
The slow proton trigger for the CERN OMEGA spectrometer. 368293
Knuepfer, W.
High resolution inelastic electron scattering and the excitation of magnetic dipole and quadrupole states in nuclei. (IKDA – 77/13) 364796
Knuppen, R.
Influence of rifampicin treatment on the metabolic fate of [4-^{14}C] Mestranol in women. 376152
Knuth, D.F.
Trends in the licensing of nuclear power plants. 363714
Knutson, E.O.
Ventilation measurements as an adjunct to radon measurements in buildings. (HASL – 325) 378931
Knutson, L.
Inelastic scattering of pions to the continuum. (RLO/1388 – 362) 372729
Knutson, L.D.
Effects of the deuteron D state in sub-Coulomb (d, p) reactions. 359498
Knutsson, G.
Radon content in various types of ground water in south-eastern Sweden. A preliminary report. 354691
Knutsson, S.
A memorandum on thermal conductivity of earth materials. (KBS-TR – 02) 366098
Thermal conductivity tests on buffermasses of bentonite/silt. (KBS-TR – 28) 366099
Kny, E.
Determination and proof of trace elements and their essential parts in well and surface water in the environment of the Research Centre Seibersdorf. (SGAE – 2656) 373836
Electrolytic deep etching – a valuable complementary method to standard metallographic procedures. 359944
Knyaz'kov, L.G.
Mass spectrometer. (Soviet patent document 430314/A/) 379978
Knyaz'kov, V.A.
Search for a neutron electric dipole moment using ultracold neutrons. (INIS-mf – 3895) 355525
Knyazev, A.G.
High temperature thermomechanical treatment of carburized steel. (INIS-mf – 4046) 369875
Knyazev, A.I.
Reaction of zirconium-containing chloride-fluoride melts with liquid zinc-aluminium alloys. (INIS-mf – 4193) 375600
Knyazev, B.R.
Heat insulation of the electron gun cathode unit in the cryostat. (KFTI – 75-10) 352386
Knyazev, D.A.
New approximation for calculating partition function ratios of isotope-substituted molecules. 372971
Knyazev, I.N.
Mass-spectrometer with selective stepped photoionization of molecules by laser radiation. 376673
Knyazev, N.N.
Use of radioactive tracer for investigation into distribution of polyacrylic acid grafted onto polyethylene. 362259
Knyazev, S.P.
Intramolecular nucleophilic splitting of 3-hydroxy-1,2-and 2-hydroxy-1,7-dicarbacloso-dodecaboranes (12). 369601
Selectivity of deuterium exchange in dodecahydro-7,8-dicarbanidoundecarborate (1-), 7,8-$C_2B_9H_{12}^-$. 369645
Knyazeva, N.M.
Use of radioactive tracer for investigation into distribution of polyacrylic acid grafted onto polyethylene. 362259
Knyazeva, N.N.
Binuclear complexes of EDTA. 351535
Knyazheva, B.M.
Role of surplus phases in stainless steels corrosion resistance. 349483
Knyr, V.A.
Group of canonical transformations and the K-harmonic method. 372631
Knytl, V.
Induced mutations for disease resistance in wheat and barley. 373713
Ko, C.L.
Primitive radiation damage: Succinamic acid. 351641
Ko, C.M.
Transport theory of deeply inelastic heavy-ion collisions based on a random-matrix model. I. Derivation of the transport equation. 366920
Ko, K.C.C.
Non-linear scattering probability of longitudinal plasma waves in a magnetoactive plasma system. 371856
Ko, S.C.
Nuclear power plant cooling system selection. 358548
Ko, W.
Extraction of average multiplicities of high-energy off-mass-shell $\pi\pi$ and $K\pi$ scattering. 359338
Microprocessor controlled scanning and measuring of bubble chamber film. 379880
Koang, D.H.
Complete identification of products of the reaction $^{20}Ne + ^{12}C$ at 110 MeV. 354239
Evidence of parity violation in neutron capture by ^{117}Sn. 362037
Kob, D.
Biological response of solid Ehrlich carcinoma of AB mice to therapeutic X-irradiation under different fractionation regimes. 1. 365389, 365390, 365391
Koba, Akitoshi
Monitoring method of an atomic power plant. 368059
Koba, B.V.
Comparison of variations in electrical properties of silicon irradiated with neutrons from a reactor and with 14.5 MeV neutrons. 348799
Koba, Yu.V.
Transport and focusing of high-current relativistic electron beams onto a target. (IAEA – 200) 353515
Koba, Z.
Scaling of multiplicity distribution in hadron collisions and diffractive-excitation like models. 353774
Kobal, H.
^{13}C and ^{14}C kinetic isotope effects in the catalytic oxidation of CO over NiO catalyst. 372972
Kobal, I.
^{13}C and ^{14}C kinetic isotope effects in the catalytic oxidation of CO over NiO catalyst. 372972
The emanation of radon from the surface layers of uranium in the process of uranium remaking. 370299
Kobal', A.A.
Analysis of M1 transitions of the analog-antianalog type in ^{27}Al and ^{31}P nuclei. 375122

Kobayakawa, H.
Measurement of polarized target asymmetry in $\gamma p \rightarrow \pi^+ n$ below 1.02 GeV. 369371
Kobayashi, A.
Studies on radioecological concentration processes in the aquatic environments -Uptake and retention of Am-241 by fish-. 370425
Kobayashi, Akira
Highly sensitive liquid waste monitor. 368310
Kobayashi, H.
Heat transfer to liquid helium in a narrow channel below 4.2 K. 360596
Kobayashi, Hiromasa
Neutron source for a reactor. 367872
Kobayashi, Hiroshi
Effect of x-irradiation of recipients on in vivo neutralization of syngeneic tumors by spleen cells nonspecifically immunized with allogeneic tumors. 360232
Kobayashi, Hiroyoshi
Biological fate of butylated hydroxytoluene (BHT) in rats, (4). 352161
Biological fate of butylated hydroxytoluene (BHT) in rats, 1. 352158
Kobayashi, Hisao
Performance deterioration of silicon semi-conductor detector by proton irradiation. 355632
Kobayashi, K.
Isotopic ratios of potassium in magnetic spherules from deep-sea sediments. 360166
Measurements of neutron total cross section minima in natural iron and silicon. 364797
Neutron resonances in ^{45}Sc and their relation to thermal scattering parameters. 362047
Temperature-dependent self-indication measurements in ^{238}U. (BNL-NCS – 22500) 356539
Thermal neutron standard field with a Maxwellian distribution using the KUR heavy water facility. 379384
Total cross sections of ^{45}Sc. (BNL-NCS – 22500) 356823
Kobayashi, Katsuko
Anatomic localization of scintillation colour image by means of simultaneous colour polaroid film photographing of emission scintiphoto and transmission scintiphoto. 349846
Kobayashi, Katsumasa
A radioimmunoassay for human ACTH. 354949
Kobayashi, Keisuke
Spherical harmonics solutions of multi-dimensional neutron transport equation by finite Fourier transformation. 359354
Kobayashi, Kensuke
Subcooled decompression analysis of LOFT L1-3A test data with digital computer code DEPCO-MULTI. (JAERI-M – 7173) 379287
Kobayashi, M.
Bonding effect in X-ray spectra induced by 84 MeV N^{4+} ions. 358846, 377562
Construction of duoplasmatron ion source for the KEK-PS. 363276
Measurements of the angular distributions of molecules desorbed from molybdenum surfaces. 369973
Secondary ion mass spectrometry of deuterium in Ti, Zr, V, Nb, and Ta. 369572
Kobayashi, Makoto
A V – A six lepton model without the separate conservation of lepton numbers. 359277
Kobayashi, Masaaki
Duoplasmatron ion source for the KEK-PS. (KEK – 76-14) 355193
A pulse-operated polarized H^- ion source of lamb-shift type. 355199
Kobayashi, Masahiro
Particle properties of cadmium sulfide prepared by the reaction of cadmium salts with hydrogen sulfide. 359611
Kobayashi, N.
Thermodynamic properties of the layered superconductor 2H-$NbSe_2$. 351769
Kobayashi, Naoto
An electron energy spectrometer of double-stage retarding field type, 2. 371494
Kobayashi, Osamu
Core-supporting device in a gas cooling type reactor. 379685
Kobayashi, S.
Nuclear relaxation in metallic small particles. 353452
Safety features of the fuel monitoring facility for handling irradiated fast breeder reactor fuels. 360704
Kobayashi, Shigeru
Autoradiographic demonstration of a zonal distribution of ^{3}H-dopamine-derived radioactivity in the mouse adrenal medulla perfusion-fixed with glutaraldehyde. 349840
Measurement of superheavy nuclei in primary cosmic ray. 377619
Kobayashi, Shin
Study on tumor affinity of sup(99m)Tc-labeled radiopharmaceuticals. 349843
Kobayashi, T.
Zeeman exchange cross relaxation time T_1sup(ZX) in BCC ^{3}He. 366800
Kobayashi, Taiki
Alloy SCR-3 resistant to stress corrosion cracking. 367180
Kobayashi, Takeshi
Autoradiography with ^{201}Tl and our clinical experience. 367700
Kobayashi, Tetsuro
Phenomenological analysis of nucleon diffraction dissociation in the Drell-Hiida-Deck model. 353823
Kobayashi, Toru
Safety and interlock system of Kyoto University Critical Assembly. (KURRI-TR – 150) 368254
Kobayashi, Toshiaki
Operation report on the low temperature fissiochemical loop (LTFL), 7. (JAERI-M – 7246) 379840
Kobayashi, Toshio
Comparative study on various attenuation theories usually used for aseismatic design of reactor facilities. 379285
Kobayashi, Yasuhiro
Optimization of refueling scheme of fast reactor core by means of man machine interactive method. 355469
Kobayashi, Yukikatsu
Tsuruga Power Station new rad waste treatment system. 374414
Kobayashi, Yukio
Device for preventing leakage of coolant in nuclear fuel assembly. 368111
Kobeleva, L.I.
On the effect of welding conditions and welded sample rigidity on intergranular slipping in welded joints. 357212
Kobeleva, S.I.
On conductivity mechanism of nitrogen-fixing titanium-molybdenum hydroxide system. 378244
Kobeljev, B.M.
Kinetic theory of a resonance radiation of a magnetic plasma from an open periodic waveguide. 350853
Kober, C.L.
Discrimination of uranium alteration zones in selected areas by use of LANDSAT MSS imagery. Final report. (GJBX – 4(77)) 357475
Kober, V.I.
Interaction of atoms of metals in phases of binary chloride systems. 378311
On atom interactions in zirconium-alloy phases. 359945
On nature of bond in intermediate phases beryllium-metal alloys. 365159
Polarization of aluminium cathode in cerium-containing melts. (INIS-mf – 4189) 375483
Thermodynamic properties of dilute Ce-Sb solutions. 375910
Kobets, L.V.
Investigation into tetravalent uranium ortho-phosphates. 375641
Kobierecki, M.
Shiva optical diagnostics. (UCRL – 79776) 377521
Kobierecki, M.W.
Experimental laser fusion devices and related vacuum problems. (UCRL – 79176) 358991, 368980
Kobilov, N.K.
Thermal isomerization of rhenium(5) complex with diethyl phenyl phosphine. 351514
Kobisk, E.H.
Dosimeter sample preparation, quality assurance, and materials development for the ILRR, FRMDC, and FFTF dosimetry programs. (CONF-771036 – 2) 366004
Kobizskoj, V.I.
Acoustic effect from superhighenergy particles in some stable liquids. 363597
Koblik, Yu.N.
Division analog circuit for semiconductor position-sensitive detectors. 376744
Kobr, M.
Application of nuclear geophysical methods in geologic practice. 349635
Kobrand, E.E.
Investigation of indium electrochemical behaviour in bromide solutions by the method of impedance. 354347
Kinetics and mechanism of indium ionization on disk-ring electrodes in chloride solutions. 349245
Kobrin, M.M.
Fine structure of the S-component of solar ratio emission in the frequency range from 4.5 to 7.0 GHz. 364351
Kobsarev, I.Yu.
Radial excited mesons in the MIT bag model. (JINR-D – 1,2-10400(v.1)) 377744
Kobulashvili, A.G.
Study on the characteristics of the cascade showers produced by muons in iron in the energy range from 0.3 to 3 TeV. 361656
Kobushkin, A.P.
Relativistic quark model and electroproduction of nucleon resonances. 349061
Kobyakov, I.F.
Investigation into formulation of iron corrosion product deposition on the surfaces of steam generating channels. 365084
Kobylinskij, N.A.
Analysis of pp scattering at high energies in the multiple Regge poles model. 369270
Dual analytical model for pomeron. 6. 361818
The dual analytical model for the pomeron. I. 353855
The dual analytical model for the pomeron. 2. 353856
Structures and properties of branching points for exchanges of two different nonlinear reggeons. (ITF – 76-111 – R) 375024
Kobylyanskaya, A.G.
Uranium in the Black Sea. 351955
Kobylyantsev, L.V.
Radioisotope X-ray fluorescence analyzer for elemental rock and ore analysis in natural deposits. (Czechoslovak patent document 157766/B/) 371174
Kobzarev, I.Yu.
Mesons consisting of gluons. 369300
Kobzenko, G.F.
Gd, Tb, Dy, Ho, Er solubility chromium. 349545
Kobzev, A.P.
Setup for investigation of transition radiation. (JINR-R – 13-10585) 376637

Kobzev, V.A.
Energy spectrum of cosmic rays at energy range 10^6-$2x10^{10}$ eV. 356169
Koca, M.
Modified Adler sum rule in a broken colour symmetry. 353857
Kocatas, B.M.
Fiber-bed separator and method to separate aerosols from gases without entrainment. (German (F.R.) patent document 2657939/A/) 367937
Kocbach, L.
Pb-K-shell ionization in α decay and α backscattering. I. 377072
Pb-K-shell ionization in α decay and α backscattering. II. 377053
Polarization of X rays from light ion-atom collisions. 377054
Koch, C.
Process steam from LWR reactors. 370920
Koch, C.C.
Mechanical behavior and stress effects in hard superconductors: a review. (ORNL/TM – 5857) 373219
Mechanical properties of superconducting Nb – Ti composites. 373181
Koch, D.
Electron beam welding with automatic electron beam readjustment. (IKE – 3-8) 357223
Koch, E.E.
Optical properties of some insulators in the vacuum ultraviolet region. 350735
Rydberg series in the absorption spectrum of H_2O and D_2O in the vacuum ultraviolet. (DESY-SR – 77/09) 374618
Koch, E.F.
Microstructural study of the crystallization of the amorphous alloy $Ni_{40}Fe_{40}P_{14}B_6$. 360002
Koch, F.
A basis for applying hypoxic hypoxia for optimizing radiotherapy. Information based on animal tests. 379032
Koch, F.B.
Application of nuclear reactions for quantitative hydrogen analysis in a variety of different materials problems. (CONF-770642 – 3) 349159
Koch, F.O.
Inspection of large-diameter pipe during manufacture and fabrication. 358018
Koch, G.
Evaluation of the dose to man in relation to the behavior of tritium from irrigation water in agricultural crops. 370423
Koch, H.
Evidence for bound states in the anti pp-system. 377811
Evidence for narrow bound states related to the panti p system. 377817
High-spin states and neutron multiplicities after pion capture in ^{181}Ta and ^{209}Bi. (INIS-mf – 4267) 377966
Information on the state of the art through technical regulation manuals. 376864
Measurements on light antiprotonic atoms. 376976
Pion absorption by ^{3}He. 377963
Quantitative microscale determination of boron spatial distributions with the aid of neutron-induced autoradiography. 354280
Study on antiprotonic atoms of light nuclei and isotopes. 371523
Koch, J.
Combined radiolysis/GLC as a tool for the investigation of stabilizing mechanisms. 373056
Koch, J.H.
Extended schematic model for pion-nucleus scattering. 356606
Koch, L.
Development and application of safeguards techniques in the nuclear fuel cycle of the European Community. 371290
Employment of a completely automated mass spectrometer in fissile material control. (KFK – 2319) 371294
Nuclear transmutation of actinides other than fuel as a radioactive waste management scheme. 368363
Koch, L.W.
Cost trends. 363707
Koch, M.R.
Actions of exogenous histones and other proteins on [^{3}H]-thymidine incorporation into DNA of Novikoff hepatoma cells. 360305
Koch, P.M.
Experimental study of electron transfer in multiply charged iron-ion collisions with atomic hydrogen. 363890
Observation of resonances in the microwave-stimulated multiphoton excitation and ionization of highly excited hydrogen atoms. 350568
Koch, R.
Recent findings on measurement and control of the power distribution in large pebble-bed reactors. 370856
Koch, R.A.
Doppler model for adiabatic toroidal compressor driftwave frequency profiles. (PPPL – 1381) 368966
Koch, R.H.
Linear polarization of close binaries. 361725
Koch, U.
Cell-kinetical analyses of squamous cell carcinomas of the oral region and the effect of a combined therapy of 5 fluorouracil and irradiation. 370383
Koch, W.
Evidence for the F meson. 353947
Measurements of tau decay modes and a precise determination of the mass. 372505
On the origin of inclusive electron events in e^+e^- annihilation between 3.6 and 5.2 GeV. 353772
On the semileptonic decay of charmed hadrons. 356496
Kochanska, I.
Histopatological changes in the pulmonary tissue of rabbits inhaled with radon 222. 367502
Kochanski, E.
Theoretical study of the anisotropy of the CO + H_2 potential energy surface in the non-reactive region. 371524
Kochanski, W.
The effect of radon 222 on the oral mucosa of rabbits. 365394
Histopatological changes in the pulmonary tissue of rabbits inhaled with radon 222. 367502
Kocharov, G.E.
Method of multilayer targets for study on composition and energy spectra of corpuscular beams. 358362
On feature of gamma ray energy spectrum during August 4, 1972 solar flare event. 377617
Problem of cosmogonic isotope production and cosmic ray intensity of the remote past. 356245
Kocharyan, A.N.
On electron phase transitions followed by valence variation in rare earth compounds. 348800
Kochba, J.
Embryogenesis in gamma-irradiated habituated ovular callus of the 'Shamouti' orange as affected by auxin and by tissue age. 365375
Kochedykov, V.A.
Refraction of molten alkali metal bromides and their mixtures. (INIS-mf – 4193) 375580
Kochegarov, S.F.
Three-photon absorption and linear-circular dichroism in InAs. 368760
Kochelaev, B.I.
Dipole plasma in molecular crystals. 377225
Electron paramagnetic resonance for localized magnetic states in the superconducting La-Er system. 374993
Kochenov, A.S.
Nuclear energy centres and the economic and ecological problems of nuclear power development. 368445
On the neutron value problem for a research reactor. (IAE – 2590) 350408
Kocher, D.C.
Nuclear decay data for radionuclides occurring in routine releases from nuclear fuel cycle facilities. (ORNL/NUREG/TM – 102) 362076
Standardized radioactive decay data sets for use in radiation dosimetry. (IAEA-SM – 222/51) 379099
Kocher, D.J.
Spin and lifetime of the Ω^- hyperon. 372517
Strange particle production in three- and four-body final states of 16 GeV/c π^+p reactions. 353944
Study of the reactions $K^-p \rightarrow K^+K^-\Lambda$ and $Kp \rightarrow$panti pΛ, at 10 and 16 GeV/c. 353978
Total cross sections for charged-current neutrino and antineutrino interactions in BEBC in the energy range 20-200 GeV. 353945
Kocherga, O.D.
Electromagnetic fluctuations in a nonequilibrium plasma. 1. Wave nonlinear interaction and the stationar spectrum of fluctuations. (ITF – 76-10 – R) 374860
Electromagnetic fluctuations in nonequilibrium plasma. 2. Kinetic equation for waves and wave scattering in plasma. (ITF – 76-77-R) 374859
Kochergin, V.P.
Complexing in molten mixtures of potassium-, yttrium-, lanthanum-, neodymium- and gadolinium fluorides. (INIS-mf – 4193) 375540
Copper corrosion in molten sodium polyphosphate and sodium borates. 349368
Corrosion of nickel in potassium and sodium chloride melts containing vanadium trichloride. 369820
Corrosion resistance of metallic materials in molten magnesium chliride. 362306
Kochergina, A.A.
Oxidation of the powder of nickel-chromium based alloy. 369816
Kocherov, N.P.
Properties of silver chloride track detectors. 360076
Kocheshkov, K.A.
Gamma-induced reactions of organic tin hydrides with unsaturated compounds. 359792
Tin interaction with organic chlorides in ionizing radiation field. 349355
Kochetkov, G.P.
Tin content effect on the physical and mechanical properties and workability of the YuNDK35T5 alloys. 375862
Kochetkov, L.A.
Safety of sodium-cooled fast reactors. 370527
Kochetkov, V.I.
Muon flux measuring system for neutrino experiments at the IHEP accelerator. 357946
Observation of muon pairs in neutrino interactions at Serpukhov 70 GeV accelerator. 361870
Kochetkov, V.L.
Radiochemical investigation of coprecipitation of some hydrolyzable elements microquantities with hydroxides and oxides of metals. 357111
Kochetov, O.N.
Modernization of electron accelerator on the base of the RUP-400 x-ray unit. (INIS-mf – 4194) 379485
Kochhar, R.K.
A classification scheme for pulsars. 356270
Runaway stars as witnesses to supernova explosions. 372199

Kochman, Eh.D.
Investigation of cathodic polarization of cadmium in citrate solution. 357019
Kochmanska-Iwardowska, A.
Biological ionizing radiation effects on gonads. Pt. 5. Early and late effects in seminiferous epithelium in mice after fractionated irradiation with 100 rads. 376108
Kochowski, C.
Ratio of neutral-current to charged-current cross sections for inclusive neutrino interactions in hydrogen. 351220
Kochubej, E.F.
Epsilon-γ coincidence spectrometer. 361052
Kochurov, A.G.
Relativistic nucleus dosing for two-meter propane chamber. (JINR – 13-10353) 379891
Kochurova, N.N.
Investigation of the coefficient of water condensation in NaCl and CsCl solutions. 378312
Kocian, P.
Radial distribution of the atom concentration in a nitrogen discharge plasma. 353574
Kocicj, A.
Nuclear fuel burnup calculation in a Voronezh type reactor. 379659
Some safety aspects of nuclear facilities. 379266
Kocinski, J.
Critical depolarization of neutrons in ferromagnets and antiferromagnets. 364150
Kockelmann, H.
Mechanical and X-ray elastic constants of porous Cu-W sintered materials. 354517
Kocmierska-Grodzka, D.
Comparative studies on the influence of some radioprotectors on the postirradiation hydrolytic function of subcellular fractions of pancreas. 376098
Studies on the radioprotective effect of Dianabol and Trasylol during fractionated irradiation of rats. 354779
Kocsis, F.
Action of some drugs on enzymes involved in DNA-repair and semiconservative DNA-synthesis. (SGAE – 2469) 357564
Influence of NaF on the DNA-metabolism during an osteoporosis therapy. (SGAE – 2717) 357597
Koczynski, A.
The preparation of radiophotoluminescent dosimeter for X and gamma dose measurements. 355599
Koda, Fumio
Intermediate fossil fueled units for variable pressure operation. 368033
Kodaira, K.
Safety related design philosophy and experience of the experimental fast reactor "JOYO". (CONF-761001 – P2) 365580
Kodaira, Keiichi
Infrared spectral observation of stars. 349009
Kodaira, Shinji
CO observations of the Perseus OB2 dark cloud and the W 44 molecular cloud. 349007
Kodama, G.
Deuteration of triborane(7) adducts with anhydrous deuterium chloride. 378246
Kodama, M.
Measurement of snow water equivalent by cosmic ray neutron technique. (AED-Conf – 77-225-001) 354692
The vapourized-metal cluster ion source and its application to film formation. 370683
Kodama, T.
Effect of inertia parameters on static fission path. (CBPF – A0029/76) 350534
Relativistic neutral Yukawa systems. (CBPF – A0007/77) 363760
Kodama, Tsuyoshi
Technologies and materials of FBR 'Joyo', all domestically provided. 374268
Kodera, K.
Theory of electrostatic stagnation point probes in a low -density flowing continuum plasma. 356097
Kodin, S.G.
To the problem on the complex zirconium disulfate tetrahydrate structure. Studying infrared spectra. 369609
Kodua, K.V.
Extraction-photometric methods with substitution of reagent. (INIS-mf – 4191) 375215
Kodyukov, V.M.
Experimental research of Pm^{147} high-voltage radioisotope batteries characteristics. 349945
Radioisotope batteries with silicon base semiconductor converter. 352356
Radioisotope batteries. 349943
Kodzokov, Kh.A.
Surface tension of melts of the sodium molybdate (tungstate)-sodium carbonate and potassium molybdate (tungstate)-potassium carbonate systems. (INIS-mf – 4193) 378314
Koebberling, M.
Comparison of inelastic electron and positron scattering cross sections on ^{12}C and ^{27}Al. (DESY – 77/40) 364781
Shadowing effect in inelastic electron scattering on ^{12}C and ^{27}Al nuclei at small four momentum transfer. (DESY – 77/55) 364782
Validity of the one-photon exchange approximation in inelastic scattering of electrons and positrons on protons. 366889
Koebke, K.
Determination of the local heterogeneous power distribution in nodal coarse-mesh methods. 370796
The determination of the pin power distribution in a reactor core on the basis of nodal coarse mesh calculations. 350113
Validation of the nodal expansion method and the depletion program MEDIUM-2 by benchmark calculations and direct comparison with experiment. 350123
Koebler, U.
Temperature dependence of Knight shift and susceptibility of single crystal molybdenum. 371624
Koechlin, F.
Drift modes energized by trapped electrons in the case of large transverse azimuthal wave numbers. (EUR-CEA-FC – 910) 358971
Koeda, Hidehiko
Two cases of the liver disease following administration of thorotrast. 379110
Koefler, H.
An attempt to reduce training. 365704
Koeger, E.W.
Diminiode thermionic conversion with 111-iridium electrodes. (N – 76-33991) 361754
Koehler, A.M.
Partial body calcium determination in bone by proton activation analysis. 349161
Koehler, B.
Determination of reactivity effects in power operation of a reactor based on perturbation measurements. 355395
Koehler, D.R.
Radiation induced transient thermal effects in 5 MHz AT quartz resonators. (SAND – 77-1747C) 380000
Koehler, G.W.
Remotely controlled manipulator vehicle MF3. 376343
Koehler, H.
Device to determine the level of the liquid melting material in electric induction furnaces. 371157
Koehler, L.
Measurements of the penetration of water through small leaks. (BMFT-FB-K – 77-16) 376517
Tungsten-Inert-Gas-(TIG) welding of zircaloy fuel rods under 40 bar helium-gas. (BMFT-FB-K – 77-18) 375770
Koehler, P.
Pion-nucleon charge-exchange polarization by Gribov Reggeon calculus and the derivative rule. 359223
Koehler, P.F.M.
Measurement of the π^+p and π^-p polarization parameters at 100 GeV/c. 351209
Koehler, S.
Momentum dependence of the ion-ion-potential. (IKDA – 77/5) 375118
Koehler, W.
The influence of hydraulics and thermodynamic equilibrium on the flooding process. 370921
Koehler, W.C.
Magnetic form factor of Eu^{2+} in EuO. 353411
Koehler, W.H.
Stationary ship propulsion reactor for nuclear power plant training. 352803
Koehnen, H.J.
The dependence of the mass identification scale on different track formation models. 360122
Koehnlein, D.
Influence of plastic deformation on superconductivity of vanadium and niobium. 356362
Koeling, T.
Calculation of the spreading widths of the deep-lying hole states in the odd tin isotopes. 377906
Koelling, D.D.
Effect of pressure on the Fermi surface and band structure of ferromagnetic Gd. I. Experiment. 365180
Magnetic field induced conduction electron polarization, magnetization density, and neutron magnetic form factor of Pt metal. 366484
Self-consistent, relativistic, ferromagnetic band structure of gadolinium. (SAND – 77-1260C) 362413
Koelling, J.J.
Fission and explosive energy releases of PuO_2, $PuO_2 – UO_2$, UO_2, and UO_3 assemblies. 367946
Koellmann, K.
Dissociative autoionization of H_2. 368662
Energetic protons from autoionising states of H_2. 374625
Koelzer, W.
Health physics assistant. A special training in health physics in the Federal Republic of Germany. 355678
Koen, M.A.
Mathematical model of photoelectron fluxes latitudinal in the middle-latitudinal ionosphere. 376052
Koene, B.K.S.
Low-spin states in ^{233}U studied with the (n,γ) reaction. 359499
Koenen, L.
Experimental investigations of the stability of a belt-pinch to vertical displacements. (INIS-mf – 3963) 371872
Koenig, H.H.
Politics and engineering in nuclear-energy installations. 366113
Koenig, L.A.
A case of tritium contamination of ground water. 370286
Relationships existing between tritium releases from different sources and the contamination of air, water and plants. 370579
Koenig, V.
Comparison of the mirror reactions $^2H(d,p)^3H$ and $^2H(d,n)^3He$. 378021
Investigation of possible Asub(yy) = 1 points in $^6Li(d,\alpha)^4He$ and other deuteron induced reactions. 378052

Investigation of the 1^+ resonance in ^{6}Li by d-α scattering between 6 and 7 MeV. 354202
Phase analysis of ^{3}He(d,d)^{3}He scattering. 378013
Proposal for an experiment at the SIN: determination of D-state admixture in deuterons with the aid of π^+-d scattering. (LA-tr – 77-74) 377806
Shell closure effects in the elastic scattering of polarized deuterons. 378039
A study of the 1^+ resonance in ^{6}Li via ^{4}He(d,d) scattering from 6-7 MeV. 377999
Tensor potentials in the optical model for elastic scattering of polarized deuterons by medium heavy nuclei. 377869

Koenig, W.
Determination of uranium in minerals by instrumental neutron activation analysis and spectrophotometry, two independent methods. (KFK – 2458) 354303

Koenigsmann, K.
Photoproduction of pions on polarized protons and neutrons in the second resonance region. (BONN-HE – 77-11) 369342, 372502

Koenigsson, L.-K.
Ground-water studies in Scandinavia: the Uppsala symposium 1976. 354691

Koenne, W.
Net energy output of growing power systems. 358549

Koenst, J.W.
Development of ultrafiltration and inorganic adsorbents for reducing volumes of low-level and intermediate-level liquid waste: April – June 1977. (MLM – 2464) 371191

Koepernik, H.
The electronic device of the Rossendorf proton recoil counter spectrometer. 374289

Koepke, J.A.
Reaction measurements and analyses for ^{3}He + ^{4}He at 15.95 MeV (c.m.). 351381

Koeppen, J.
Dynamic nuclear polarization of tin-119 nuclei in free radical solutions. 353499

Koerber, H.
Experience with the MELSIM-1 program system. 370580

Koerbling, M.
Characterization of bone marrow and lymph node repopulating cells by transplanting mononuclear cells into radiated dogs. 370363

Koerner, H.J.
Researches with the tandem and the synchrotron. Chapter 1. (CEA-N – 1959) 354158

Koerner, J.G.
Decoupling of higher vector mesons and charmed meson production in e^+e^- annihilation. 353858, 375035

Koerner, W.
Design and operating mode of the SAAS pilot plant for bituminization of radioactive wastes. (SAAS – 220) 366078
Disposal of radioactive wastes produced in nuclear installations in the German Democratic Republic. 358533

Koerting, K.
Nuclear safety in reprocessing plants. (AED-Conf – 76-699-007) 365555

Koester, H.
Physiology and biochemistry of streptomyces. 11. 373611

Koester, L.
Scattering of slow neutrons by the isotopes of chlorine. 351382

Koester, R.
Solidification of LAW, MAW, and tritium waste waters from reprocessing plants. 371199

Koesters, W.W.
Effect of UV and gamma irradiation on vitamin B_6 content and protein constituents of feeds. 360389

Koeteles, G.J.
Internationally co-ordinated research in radioecology and environmental monitoring. 370581

Koetz, R.
Electron density effects in surface plasmon excitation on silver and gold electrodes. 356002

Koetz, U.
Evidence for the F meson. 353947
Measurements of tau decay modes and a precise determination of the mass. 372505
On the origin of inclusive electron events in e^+e^- annihilation between 3.6 and 5.2 GeV. 353772
On the semileptonic decay of charmed hadrons. 356496

Koetzle, T.F.
Molecular and crystal structure of squaric acid (3,4-dihydroxy-3-cyclobutene-1,2-dione) at 121 °C: A neutron diffraction study. 369636
Neutron and x-ray diffraction studies on tris(dimethylphenlyphosphine)osmium tetrahydride. 378286
Neutron diffraction studies on transition metal hydride complexes. (BNL – 23133) 356994, 371561

Koev, A.P.
Extraction luminescent determination of europium with 1-naphthalic acid and 1,10-phenanthroline. 375315
Extraction-luminescent determination of microquantities of europium as different-ligand complexes with 1-naphthionic acid and 1,10-phenanthroline. (INIS-mf – 4192) 375316

Kofoed, R.J.
Argonne Center for Educational Affairs. The role of guard forces in materials and plant protection access controls. (ARH-SA – 276) 371301

Koga, Hisamitsu
Study of skin contamination with radioactive substances. 379127

Koga, Issei
A functional test of the pancreas with ^{131}I-5-iodomethyl-5-methyl-2, 4-oxazolidinedione (^{131}I-DMO). 354896

Koga, Katsumi
Developmental changes of ribosomes in content and amino acid incorporating activities in the female pupae of Bombyx mori. 349873

Koga, T.
Studies on the characteristics of nuclear spark counting. 355557

Koga, Taeko
Comparison of monitoring methods for environmental γ-radiation dose rate. 358381
Radiation hazard control system. 367830
Studies on the movement and distribution of uranium in the environments. 349801

Koga, Tomonari
Control rod for a fast breeder. 379592
Liquid metal cooled fast breeder reactor. 368224
Liquid metal cooled fast breeder. 368225
Liquid-metal cooled fast breeder. 360999

Koga, Y.
Effect of dissociator nozzle temperature on polarized atomic hydrogen beam intensities. 368716

Kogan-Laskina, E.I.
On fluxes of secondary protons at Ek > 500 MeV on altitudes of 200-300 km. 376040

Kogan, A.
Gamma ray spectroscopy in ^{64}Zn – levels below 3.1 MeV in excitation. 369509
Lifetimes in ^{61}Ni measured by the recoil distance technique. 351425
Nuclear spectroscopy in ^{63}Zn: states below 1.5 MeV. 369496

Kogan, I.S.
Cyclic strength of molybdenum alloys Mo-Ti-Zr-C and Mo-B-Al-C at room temperature. 378745
On fatique fracture mechanism of the molybdenum alloy-TSM-1O. 349547

Kogan, L.R.
Variations of H_2O spectrum in the W3 OH. 374925

Kogan, M.N.
Chapman – Enskog generalized method. 366412

Kogan, R.M.
Fundamentals of gamma spectroscopy of natural media. 349636

Kogan, V.I.
Vacuum-physical conditions effecting on selection of a material for a first wall and diaphagm of the T-20 demonstration thermonuclear reactor-tokamak. (IAE – 2545) 356111

Kogan, V.S.
The activated adsorption contribution to the hydrogen adsorption by birch activated carbon at 20.4 K. (KFTI – 75-10) 374010
Cryovacuum helium adsorption by microporous carbon adsorbents. (KFTI – 75-10) 357907
The initial part of the isotherms diagram of cryovacuum hydrogen absorption by adsorbent carbon in low pressure measuring. (KFTI – 75-10) 352374
Non-condensable air component distribution in the porous system of adsorbent carbon at 20.4 K. (KFTI – 75-10) 352375
On the problem of cryovacuum hydrogen adsorption by birch activated carbon in the presence of helium. (KFTI – 75-10) 352376

Kogan, Ya.D
Study of the process of surface alloying of nickel alloys with tanthalum using contact or noncontact technigue. 357296

Kogan, Ya.D.
Investigation into the steel nitridation in glow discharge. 349402
Nitridation of sintered iron base alloys. (INIS-mf – 4046) 370092

Kogelnik, H.D.
Radiobiological considerations of late effects arising from radiotherapy. 379064

Kogitz, S.
Three-body annihilations of antinucleon-nucleon and the quark rearrangement model. 361823

Kogoshi, S.
High-temperature high-quality deuterium plasma production by laser beams and interactions with magnetic fields. 377529

Kogure, Hiroto
Production of ^{198}Au grain for radiotherapy. (JAERI-M – 7209) 379369

Kogure, Takashi
Hepatic accumulation of sup(99m)Tc-Sn-diphosphonate. 379187

Kogut, A.N.
Crystal structure and properties of tin telluride-lead selenide layers. 361443

Kogut, J.
Comparison of recent massive muon pair data with the asymptotically free parton model. 364520
Estimates for W^{+-}, Z^0 and μ-pair production in the asymptotically-free parton model. 356438
Phase transitions in Abelian lattice gauge theories. 356388

Kogut, N.S.
On the method for ring fatigue crack formation in cylindrical samples. 369955

Koh, B.
Using nuclear plant operating data to improve product reliability. 370916

Kohake, D.
Correlation studies on flux flow noise of polycrystalline niobium and vanadium foils. 351761

Kohara, Rikusei
Analysis of the behavior of gold in silicon by neutron activation

method. 353453
Kohara, Shigeo
Production of C, N, O, and Ne ions by pulsed ion source and acceleration of these ions in the cyclotron. 379507
Kohaupt, R.D.
Bunch lengthening in DORIS. (DESY – 77/66) 370751
Kohl, C.P.
The cosmic ray record in the San Juan Capistrano meteorite. 374906
Kohl, F.J.
Susceptibility to hot corrosion of four nickel-base superalloys, NASA-TRW VIA, B-1900, 713C and IN-738. (N – 77-21216) 367185
Kohler, E.J.
Peach Bottom decommissioning and component removal. 358573
Peach Bottom HTGR decommissioning and component removal. (GA-A – 14297) 358256
Kohler, W.
Nuclear reactions of 24 MeV ^{7}Li on ^{10}B. 356803
Kohlhase, C.E.
Voyager mission description. 374926
Kohli, J.M.
Charged particle multiplicity in 400 GeV/c p-nucleus interactions in nuclear emulsion. 372498
Kohli, R.
The high temperature oxidation kinetics of a Zr-3 Nb-1 Sn alloy. 367256
Kohlmeyer, B.
Fusion and direct reactions between 92 MeV ^{19}F and ^{12}C. 372781
Kohlrausch, O.A.
Anomaly in the permittivity due to the thermodielectric space charge. (INIS-mf – 4127) 364134
A high precision permittivity measuring device. (INIS-mf – 4127) 366056
Kohman, L.
Isotope investigation of anodic slime movements in copper electrorefining baths. 367897
Studies of separation processes using radiotracers. 376293
Kohmoto, M.
Polarization of atoms by collision. 353288
Kohmoto, S.
Proton inelastic scattering from ^{110}Cd and ^{112}Cd at isobaric analog resonances and analysis with the quasiparticle random-phase approximation. 354267
Kohn, E.
The anisotropy of zirconium-2.5 wt% niobium fuel cladding after creep and irradiation. (AECL – 5810) 360102
Kohn, S.E.
Wavelength modulation spectroscopy of semiconductors. (LBL – 6919) 373322
Kohno, Isao
Production of C, N, O, and Ne ions by pulsed ion source and acceleration of these ions in the cyclotron. 379507
Kohno, Toshihiko
Histological differences between the cell types of the irradiated lung cancers. 379034
Kohra, Kazutake
Photon factory project. 374067
Kohut, A.
Age dependent sup(99m)Tc-Sn-oxytetracycline uptake by the rat myocardium after isoprenaline administration. 373677
Kohyama, Y.
A statistical theory of nuclear neutrino capture. 354072
Koide, K.
Testing of the energy stability and reproducibility of the ion beam produced by the 'tandem' accelerator of USP (University of Sao Paulo, Brazil). 354144
Koide, Y.
$\Delta I = 1/2$ rule and Glashow-Iliopoulos-Maiani current with unconfined color. 351170
Koike, F.
New angle-dependent resonance profile parameter. 350637
Koike, Hirobumi
Cover gas system in a reactor. 368208
Koike, Hiroyuki
Fuel element for a gas cooled reactor. 368172
Koike, Kazuo
Remarks on quark charges and 'eta-problem'. 353859
Koike, Masahiro
Electric monopole and quadrupole matrix elements for the K sup(π)=0^{+} bands in ^{154}Gd. 359541
Koike, Ryoji
Evaluation of environmental radiation dose in Ibaraki Prefecture. (NIRS-M – 20) 379344
Koike, S.
Repair of potentially lethal radiation damage in a spontaneous animal tumour in vivo. 379046
Koike, Sachiko
Effect of x-irradiation on cell kinetics of esophageal membrane cells in mice. 367480
Radiobiological effectiveness of high LET radiation. 349756
Koike, Y.
Method of fabricating composite superconductors. (US patent document 4,043,028/A/) 370719
Koiller, B.
The antiferroelectric phase in KCN. (PUC-TN – 23/76) 350777
Charged particles scattering in the presence of an homogeneous magnetic field. (PUC-TN – 16/77) 350581
A Cluster-Bethe lattice treatment for the U_2-center in alkali-halides. (PUC-TN – 21/76) 351770
Electron-hydrogen atom collisions in the presence of a strong laser field. (PUC-TN – 6/77) 350580
Theory of electron-hydrogen atom collisions in the presence of a laser field. (PUC-TN – 17/77) 364618
Kois, J.P.
Helium liquefier-refrigerator and distribution system for the Large Coil Program Test Facility. (CONF-771029 – 107) 371921
Koivula, A.
An intravenous isotope method for measuring regional cerebral blood flow (rCBF) and volume (rCBV). 349808
Koizlik, K.
Fundamentals on the agglomerate model and its relation to the physical properties of pyrocarbon. 379689
Measuring variables and errors of the quantitative image analysis. (Juel – 1411) 355237
Method of distinguishing spherical operational elements of nuclear reactors by means of their neutron interaction properties. (German (F.R.) patent document 1808308/B/) 355433
Pyrocarbon deposition from the gas-phase. (Juel – 1417) 354599
Quality control procedures for HTGR fuel element components. 376538
Quality control techniques for procarbon. 365192
Koizumi, Akira
Incorporation of tritiated-thymidine into cultured leukocytes. 354861
Koizumi, Isamu
Development of steel tubes for steam generator of fast breeder reactor. 349557
Koizumi, M.
Migration rate of lenticular voids in UO_2 under the influence of temperature gradient. 370112
Status of the development of mixed-oxide fuels in the power reactor and nuclear fuel development corporation (PNC). 368043
Koizumi, Masumichi
Examination of compatibility between fuel and cladding. (PNCT – 831-76-01) 380126
Fracture strength of UO_2. (PNCT – 831-76-01) 379526
Fuel cladding mechanical interaction, (1). (PNCT – 831-77-01) 379577
Thermal densification of mixed oxide fuels. (PNCT – 831-77-01) 379574
Koizumi, Yoichi
Inhibitory effect of Cystenosine on leukopenia by radiation. 360293
Kojima, S.
R.F. plugging and heating of magnetized sheet plasma. (INIS-mf – 3963) 372069
Kojima, Seiji
Slopes of meson and baryon trajectories based on multi-local model. 359278
Kojima, T.
Study of the commercial fast breeder reactor in Japan. 379815
Kojima, Toshitaka
Reflection of a transient electromagnetic wave by a magnetized plasma with loss of half space. 358963
Kojnov, T.A.
Improvement in quality of hot-rolled thin band. 369854
Kojoian, G.
Markarian 421: a Lacertid. 361730
Kojro, O.Eh.
Extraction of trivalent transplutonium elements by dioxides of some alkylen-and vinylenediphosphines from nitric acid solutions. 349324
Kok-Jensen, A.
Hemodynamics and extravascular lung water in chronic obstructive lung disease. 354845
Kok, J.C.
Bone marrow imaging with iron 59. 376143
Kokh, L.A.
Synthesis and crystal structure of potassium trisulfatouranylate, $K_4[UO_2(SO_4)_3]$. 349328
Kokhman, L.V.
Investigation of the ferroprobe coercitivity meter KIFM-1 with various shoes for inspection of tubes. 373154
Kokhov, E.D.
Device for absorption X-ray analysis. (Soviet patent document 483610/A/) 354296
X-ray absorption analysis of powdered samples using automated measurement scheme. 367376
Kokk, Kh.Yu.
Development of determination method of chlorine dissolved in crystal lattice of luminophore on base of CdS and CdSe. (INIS-mf – 4191) 375512
Koknaev, R.G.
Determining heating time for titanium alloys in molten salts. 359946
Kokorin, A.I.
Study of features of diffusion collisions of molecules in binary mixtures using spin exchange. 365012
Kokorin, I.N.
Basic prerequisites and the practice of using deep water tables for burying liquid radioactive wastes. (ORNL-tr – 4390) 361128
Principal prerequisites and practice for using deep aquifers for disposal of liquid radioactive wastes. 368406
Kokorin, V.V.
X-ray and electron scattering by crystals with correlated system of second phase particles. 377220
Kokott, T.P.
Total cross sections for charged-current neutrino and antineutrino interactions in BEBC in the energy range 20-200 GeV. 353945

Kokovin, G.A.
Pressure of SnI_2 saturated vapor. 375616
Koks, F.W.J.
Nuclear spectroscopy. (INIS-mf – 4267) 378019
Koksharov, V.D.
Galvano-tensometric effect in ionic crystals. 378362
Kokshenev, V.A.
Development and study on sections of Marx generator for power pulse systems. (INIS-mf – 3954) 361648
Kokta, L.
Analysis of compound spectrum peaks. (INIS-mf – 4143) 374365
Experience with Canberra Co. instruments. (INIS-mf – 4143) 374337
Selected problems in calibrating semiconductor detectors. (INIS-mf – 4143) 374311
Kokunov, Yu.V.
NMR study into reactions of vanadium- and tungsten oxohalogenides with alcohols. 369608
On features of substitution of multiply bonded ligands in tungsten complexes. 378229
Oxidation of 1,3-dicarbonyl compounds by hydrogen peroxide in solutions of molybdenum (6) and tungsten (6) complexes. 378345
Structure of polymeric niobium and tantalum ethoxy-fluoride complexes in solution. 359635
Urea, thiourea and guanidine as multiply connected ligands in complexes of d^0-elements. 375427
Kokurina, G.L.
Thermodynamic characteristics of formation of hafnium complexes with fluoride ion in aqueous solution. 359709
Kol'chenko, T.I.
Contribution of inelastic nuclear interactions into defect formation in gamma-irradiated gallium arsenide. 350744
Electrical properties of gallium arsenide irradiated with electrons and neutrons. 373355
Kol'chuzhkin, A.M.
Experimental study on electron-photon cascades in homogeneous and inhomogeneous absorbers. 361932
Kol'ga, V.V.
Dynamic characteristics of the booster for the 70 GeV proton synchrotron. (JINR-R – 9-9067) 355181
Technique for measuring the frequency of lateral incoherent oscillations of a charged particle bunch. (Soviet patent document 422129/A/) 355194
Kol'ner, L.B.
Investigation of recombination luminescence of CdF_2-rare earths monocrystals. (INIS-mf – 3955) 362156
Kol'tsov, S.I.
Study of products of chemisorption of $VOCl_3$ and CrO_2Cl_2 on titanium-containing silica gel. 359636
Kol'tsov, V.E.
Control of molybdenum diffusion layer structure during nitridation in glow discharge. (INIS-mf – 4046) 369983
Kolachev, B.A.
Aluminium contents effect on the tendency of titanium to salt corrosion. 378551
New heat treatment processes for titanium alloys. 378659
Recrystallization diagram of the VT30 alloy with different hydrogen content. 375847
Kolacheva, N.M.
Magnetic anisotropy of yttrium-samarium ferrite garnets. 374729
Magnetostriction of yttrium-samarium monocrystalline ferrite garnet. 377221
Kolalis, R.P.
Scattering of α particles with the energy of 24 MeV on ^{10}B and ^{11}B nuclei. 349133
Scattering of 23,7 MeV alpha particles on sup(14)N and sup(16)O nuclei. 377992
Study on angular distribution of decay products of ^{8}Be ground state. 349141
Kolanowska, E.
The effect of ecdysterone on ^{3}H-uridine incorporation into fat body RNA in caterpillars of Celerio euphorbiae L. (Lepidoptera). 373665
Kolar, D.
The influence of VC additions on the sintering of Ta-carbonitride based hard metals. (KFK-EXT – 6/77-1) 351835
The role of nuclear research centres in the introduction of a nuclear power programme. 371311
Kolar, M.J.
Calculation of accident doses to equipment inside containment of power reactors. 367769
Post-loss-of-coolant accident doses to pressurized water reactor equipment. 367770
Kolar, P.
New asymptotic theorems for hadron-hadron forward scattering amplitude. 353804
Kolar, V.
Application of the storage capacity of hot-water feed lines in increasing installed heat plant electrical output. (INIS-mf – 4055) 368427
Kolarzh, Ya.
On the amplitude distribution of pulsations of quasi-captured electrons into the inner magnetosphere. 357536
Kolata, J.J.
Quadrupole transfer strength studied through heavy-ion induced two-neutron transfer between the shape transitional nuclei ^{190} ^{192}Os. 359489
Reaction cross sections for ^{16}O + ^{16}O. 359500
Reaction cross sections for $^{16}O + ^{16}O$. (CRN-PN – 77-4) 354221
Yrast decay schemes from heavy-ion + ^{48}Ca fusion-evaporation reactions II. ^{59} ^{60}Fe and ^{59} ^{60}Co. 364832
Kolb, B.
Application of a spiral resonator for bunching picosecond heavy-ion pulses. 363263
Heidelberg 3MV c-w heavy ion postaccelerator section using independently phased spiral resonators. 363266
Kolb, D.
The influence of retardation effects in very heavy ion collisions. 353289
The influence of retardation effects in very heay ion collisions. 377055
Kolb, D.M.
Electron density effects in surface plasmon excitation on silver and gold electrodes. 356002
Kolb, E.W.
Cosmological implications of massive, unstable neutrinos. (ORO – 3992-313) 372397
Cosmological upper bound on heavy neutrino lifetimes. (ORO – 3992-308) 361881
Cosmological upper bound on heavy-neutrino lifetimes. 351150
M1 transitions in a quark loop model. (ORO – 3992-299) 356439
Kolb, G.
Economic aspects of power generation in HTR reactors. 371228
Kolb, K.
Non-destructive testing of plastic joints. 358019
Kolbanovskij, Yu.A.
Effect of non-stationary state of γ approximately Al_2O_3 surface on radiation-catalytic decomposition kinetics of N_2O. 373047
Effect of non-steady state of γ-Al_2O_3 surface on kinetics of radiation-catalytic decomposition of N_2O. 369784
On radiation diffusion of vacancies in aluminium oxide. 373335
Kolbasov, B.N.
Hybrid thermonuclear reactor for fissile material production. (INIS-mf – 3954) 361552
Nuclear fuel production in hybrid thermonuclear reactors. (INIS-mf – 3954) 361643
Kolbe, W.
Determination of the liquid scintillation counting efficiency of ^{3}H and/or ^{14}C labelled samples independently of the degree of colour and/or chemical quenching. 355494
Kolbeck, A.G.
Determination of glass formation in the system Al_2O_3-B_2O_3-P_2O_5 by laser melting. 373304
Kolberg, T.
The scintigraphy of the brain: development, methods and present consequence. 352095
Kolchin, A.A.
Small-size source of labelled alpha particles. 370682
Kolchina, L.A.
Method for preparation of niobium compounds. (Soviet patent document 391807/A/) 375594
Koldaeva, K.A.
Formation of tissue doses of ^{90}Sr and ^{137}Cs orally administered to calves and hens. 370412
Koldar', L.V.
Investigation of complexing processes of cadmium ions with dithizone in some surfactants presence. (INIS-mf – 4192) 375399
Koldewijn, P.
Aligned rotation of octupole-vibrational states in deformed nuclei. 375121
Multipolarities of prompt transitions in ^{156}Dy and spin-parities of the upper band levels. 356716
Kolditz, H.
Recent results and developments on the disposal of radioactive wastes in the Asse Salt Mine. 358523
Kolditz, L.
Radiogaschromatography of iodine compounds. 349185
Koldunovich, E.B.
Development of the process of radiation vulcanization of calendered rubber products using the "Electron-3" accelerator. (INIS-mf – 4194) 376284
Koleganov, J.F.
BN-350 reactor shielding studies. 368195
Kolenkova, M.A.
Preparation of cesium sulfatozirconates. 351510
Production of sodium sulfatozirconate from baddeleyite concentrate. 375484
Kolesnik, V.G.
Relativistic nucleus dosing for two-meter propane chamber. (JINR – 13-10353) 379891
Kolesnikov, I.M.
Effect of gamma radiation of organometallosiloxanes on their catalytic activity in reaction of cumene cracking. 373057
Effect of gamma radiation on zirconium silicates and their catalytic activity. 373058
Investigation into radiation-catalytic alkylation of benzene under pressure. 373078
On catalytic activity of zeolite-containing zirconium silicate catalysts. 378364
Radiation-catalytic alkylation of benzene. 373077
Kolesnikov, L.Ya.
Measurement of asymmetry of the γd→π deg d reaction cross section in the linearly polarized photon beam. 349092
Kolesnikov, N.V.
Hall mobility in n-type germanium irradiated with fast electrons. 348767
Kolesnikov, S.P.
Reaction of tungsten carbene complexes with conjugated dienes. 372973

Kolesnikov, V.I.
Flux-gate defectoscope with radio-pulse excitation. 357216
Kolesnikov, V.K.
Plasma energy balance with turbulent transport coefficients for tokamak reactor. (INIS-mf – 3963) 353575
Kolesnikov, V.P.
Cathode processes during gadolinium deposition from chloride melts on solid and liquid electrodes. (INIS-mf – 4189) 375485
Voltammetry of products form chlorination of dioxides of uranium, plutonium, americium and cerium with tetrachloromethane in the NaCl-KCl melt. (INIS-mf – 4189) 375622
Kolesnikov, V.V.
Size fluctuations of work function for small clusters of metals. 374730
Kolesnikov, Yu.A.
A high-power laser system for thermonuclear fusion experiments. (IAEA – 200) 353513
Kolesnikova, R.S.
On interpreting the geophysical exploration data in carbonaceous section stripped at the limestone-bituminous column. 378865
Kolesnikova, T.G.
Study on deep trap centers in epitaxial GaAs < Cr,W > by the method of thermostimulated capacitor discharge. 348751
Kolesov, B.M.
Optimal rate for measurement of pulsed 14 MeV neutron flux. 349637
Kolesov, G.E.
Nuclear-geophysical methods of testing for lead and barium in natural bedding. 376017
Kolesov, G.Ya.
Correlation of propagation characteristics of solar cosmic rays detected on board the spatially separated space probes Mars-7 and Prognoz-3. (KFKI – 77-38) 356242
Study of coronal and interplanetary propagation of solar particles following the E45 deg solar flare on July 29, 1973. (KFKI – 77-39) 356243
Kolesov, V.E.
Activities on nuclear data preparation for reactors and other applications. (INIS-mf – 4043) 360782
Algorithm and a code for preparation of group constants for reactor calculation on the basis of the SOKRATOR neutron data library. (INIS-mf – 4043) 363385
Comparative evaluation of group constants from UKNDL and the BNAB-70 system. (INIS-mf – 4043) 360759
Software for the computized neutron data library of the SOKRATOR system. (INIS-mf – 4043) 363737
Kolesov, V.M.
Monitor of 14 Mev neutron flux for well pulsed neutron generator. 354660
Kolesov, V.V.
Superconducting cavity resonators with large capacitance. 363277
Kolesova, A.G.
^{245}Cm neutron resonance parameters in the 1-30 eV neutron energy range. 377968
Kolesova, V.I.
Relation between geomagnetic-field secular variations and cosmic-ray threshold rigidities. 357549
Kolev, D.
Investigation of the negative pion capture in deformed nuclei. (ZfK – 336) 364731
Kolevich, T.A.
Investigation into tetravalent uranium ortho-phosphates. 375641
Kolic, E.S.
Corrosivity of solutions from evaporation of radioactive liquid wastes. Final report. (ARH-C – 18) 358497
Kolina, V.B.
Radioprotective action of MEA when decreasing the level of endogenous low-molecular thiols in rat tissues. 370353
Kolisnik, M.G.
Conductivity and impurity center parameters in compensated CdTe monocrystals. 369895
Kolk, C.M. van der
Unitarity in Yang-Mills theories. 353102
Koll, J.H.
Industrial integration of the fuel cycle in Argentina. 369839
Kollar, D.
Automatic control of delays in coincidence circuit channels. 371169
Calibration of the 58 AVP type photomultiplier. (JINR – 13-9002) 350365
CAMAC module for control of the high-voltage power-supply for a photomultiplier. 361078
Power supply regime of 58AVP photomultipliers in spectrometric channels of Cherenkov counters. 371113
Kollarits, R.V.
Spectroscopy of ^{16}C. 356762
Kollarova, L.
Automatic control of delays in coincidence circuit channels. 371169
CAMAC module for control of the high-voltage power-supply for a photomultiplier. 361078
Power supply regime of 58AVP photomultipliers in spectrometric channels of Cherenkov counters. 371113
Kollath, K.J.
Can electrons elastically scattered from neon be fully polarized. 358779
Koller, J.
Device for transferring radioactive materials into a hot cell. (German (F.R.) patent document 2524218/A/) 352400
Koller, K.
Three gluon jets as a test of QCD. 369301, 375036
Kollerov, E.P.
Vacuum conditions at Tokamak-10. 368948
Kolley, E.
Microscopic Fermi liquid approach to disordered narrow band systems. (JINR-E – 17-10921) 377222
Kolley, W.
Microscopic Fermi liquid approach to disordered narrow band systems. (JINR-E – 17-10921) 377222
Kolli, N.Ya.
Photochemical reduction of 12-molybdoarsenic acid in aqueous-organic media. 375317
Kollie, T.G.
Measurement of B versus H of Alumel from 25 to 180 °C. 367250
Kollmar, W.
Neutron physical investigations on the use of burnable poisons and gray absorber rods in large pressurized water reactors. (BMFT-FB-K – 77-07) 370909
Nuclear power plant with a heat exchanger serving as steam generator. (German (F.R.) patent document 2362046/B/) 352467
Kollmer, W.E.
Radiobiological research in the large-scale research facilities in the Federal Republic of Germany. 355706
Kolmakov, A.P.
Approximate calculation of temperature and comparative efficiency of heat exchangers with cross-parallel coolant flow in the intertubular space. (FEI – 661) 349987
Approximate simulation technique for thermal and hydraulic parameters of a reactor core. (FEI – 597) 358038
Averaged equation of liquid flow in a porous body consisting of rod bundles. (FEI – 631) 349986
Cellular body model application to thermohydraulic calculations of reactors and heat exchangers. 370792
Numerical calculation of dumping of hydraulic nonuniforms in rod assemblies. (FEI – 646) 350110
Kolman, A.
Induction of a morphological mutant in Mycobacterium phlei by gamma-radiation and ethyl methanesulfonate. 373500
Kolobkov, V.P.
Spectral luminescent investigation of fluorophosphate glasses activated by rare earths. 378313
Vibration structure of electron spectra of Eu^{3+} ion in inorganic glass. (INIS-mf – 3955) 377321
Kolobov, A.A.
Stabilization system of scintillation radiometric circuit. 361071
Kolobov, G.A.
Corrosion behaviour of metals in the production of lead. 359837
Kolobov, N.P.
Second-sphere complexing of some cobalt(3) aminates with molybdate- and tungstate-ions in aqueous solutions. 351526
Thermodynamics of molybdate and tungstate second-sphere complexes of some cobalt(3) aminates. 359659
Kolobova, N.E.
Sigma-methylcyclopentadienyl tricarbonyl manganese complexes of transition metals. 375526
Kolodenskaya, E.I.
Diffusion layer effect on the strength of cast iron-steel 2Kh13 brazed joint. 362473
Kolodkina, I.I.
Synthesis and complex forming properties of copolymers of N-vinylpyrolidone with aminoaklylmethacrylates, containing boronium groups. 354342
Kolodny, G.M.
Molecular events basic to cellular radiation response. Progress report, July 1, 1976 – September 30, 1977. (COO – 3335-25) 362631
Kolodziej, H.B.
Diffusion of thermal positrons through metal-metal junctions-investigation based on the measurements of angular distributions of annihilation quanta. 364129
Plasmon losses in energy spectra of electrons scattered on the surface of Fe, Co, Ni, Cu, and Zn samples. 371629
Kologrivov, A.A.
Investigation of compression of hollow microspheres irradiated by a laser. 348878
Kolokol'tsev, V.N.
The effect of radiation defects on the properties of the inversed on GaSb and Gasub(1-x)Insub(x)Sb diodes. 370121
Kolokolov, N.B.
Determination of the elementary processes constants by examination of electron energy distribution function in helium afterglow. 353290
On measurement of cross sections of some processes with participation of metastable helium atoms in afterglow of gas discharge. (INIS-mf – 3915) 368658
Kolomeets, E.V.
Energy spectrum of cosmic rays at energy range 10^6-$2x10^{10}$ eV. 356169
Kolomenskij, A.A.
The main physical problems in development of charged particle accelerators. (JINR-R – 9-9341) 350070
Kolomiets, A.A.
Combined operation of the I-2 injector into three beam extraction channels. (ITEF – 34) 376371
Parametric resonance in a proton linear accelerator. (ITEF – 87(1975)) 360712
Usage of the I-2 linear accelerator in applied studies. (INIS-mf – 4194) 376353
Kolomiets, V.M.
Gamma quantum emission from heated nuclei with a large angular momentum. 375119

Nucleon shells and quasi-particle nuclear structure. (KFTI – 74-27) 349114
Taking account of the one-particle spectrum reconstruction in self-consistent calculations of nuclear deformation energy. 377879
Kolomijskij, A.N.
Problems of optimum solution selection on the development of automation control of experiments on laser thermonuclear fusion. (INIS-mf – 3954) 364270
Study of the acceleration of thin metal foils acted on by high-power laser emission. (IAEA – 200) 353518
Kolomijtsev, M.A.
Method for fabrication of neutron activation detectors. (Soviet patent document 308659/A/) 368270
On the question of precision and the correctness of instrumental neutron activation analysis of geological samples. (INIS-mf – 3994) 378103
Simulators of microelement composition of standard rocks for instrumental neutron activation analysis. 349175
Study of volatility of toxic elements from samples on the basis of phenol-formaldehyde resin. (INIS-mf – 3994) 378105
Kolomijtseva, I.K.
Early radiation induced impairment of cholesterol, squalene and ubiquinone metabolism in the rat liver. 362680
Kolomisky, Y.R.
The application of a high pulse repetition rate CO_2 laser with high average power for isotope separation by molecular dissociation in a strong IR field. 355067
Experimental selection of molecules for isotope separation by multiple-photon dissociation in an intense IR field. 364935
Kolomnikov, I.S.
Interaction of carbon dioxide with ruthenium hydride complexes. 354343
Kolomoets, G.A.
Chemical transformations during heating of carborane-containing resols and resites. 357027
Kolomoets, N.V.
Preparation and certain properties of the films of solid solutions of the system Bisub(2)Tesub(3-x)Sesub(x). 378607
Preparation and study of properties of SmS base alloys. 378258
Kolos, V.P.
On the calculation of the temperature field in the fuel microelements of nuclear reactors. 357901
Kolosnitsyn, B.S.
Installation for measuring electrophysical properties of thin films. 357295
Kolosov, B.I.
Generalization of the method for averaging the distribution function for particle trajectories as applied to problems of numerical modeling of conic instability of magnetospheric plasma. (N – 77-24684) 365320
Kolosov, V.
Quasi-descret states in a model problem. (INIS-mf – 3915) 348665
Kolosov, V.V.
Asymptotic approach to Stark effect for atomic hydrogen. 376999
Kolosova, V.F.
Device for simulation of integral dose distribution in multifield radiotherapy. (Soviet patent document 441733/A/) 379482
Kolotilin, B.I.
Sorting theory of charged particles in quadrupole mass spectrometers. 350374
Kolotilov, E.A.
Spectral and photometric observations of fast irregular variables. 377629
Variations of the Hsub(α) emission line profile in the spectrum of the Nova Vulpeculae 1976. 369131
Kolotov, O.S.
On pulsed magnetization reversal mechanisms in thin magnetic films in weak fields. 369974
Kolotyj, V.V.
Scattering of 2.9 MeV neutrons by silicon nuclei. (INIS-mf – 3897) 356567
Kolotyrkin, Ya.M.
Effect of non-metallic inclusions on the local corrosion of steel-KH17 and steel-KH28 in sulfuric acid. 351666
Modern electrochemical theory of metal corrosion. 349242
Role of surplus phases in stainless steels corrosion resistance. 349483
Kolozhokova, R.M.
Surface tension of melts of the sodium molybdate (tungstate)-sodium carbonate and potassium molybdate (tungstate)-potassium carbonate systems. (INIS-mf – 4193) 378314
Thermal analysis, density and volumetric properties of the sodium molybdate (tungstate)-sodium carbonate and potassium molybdate (tungstate)-potassium carbonate molten systems. (INIS-mf – 4193) 378399
Kolpakov, O.V.
Gamma-spectrometric study in Volgogradskoe Zavolzh'e. 365282
Kolpakov, V.P.
On thermodynamical stability of star clusters. 349008
Kolpikova, E.F.
On composition of complexes in the molybdenum-rhodanide-amine system. 378256
Kolpokov, B.E.
Thermal analysis, density and volumetric properties of the sodium molybdate (tungstate)-sodium carbonate and potassium molybdate (tungstate)-potassium carbonate molten systems. (INIS-mf – 4193) 378399
Kolstad, E.
Evaluation of in-reactor measurements of fuel-rod deformations. 365825
Koltai, Eh.
^{28}Si levels excited in the ^{27}(pα)^{24}Mg reaction at proton energy from 1540 to 2220 keV. 378085
Koltai, P.
Mixed-bed system with outer regeneration. 365852
Koltay, E.
On the detection of low-energy ^{4}He, ^{12}C, ^{14}N, ^{16}O ions in PC foils and its use in nuclear reaction measurements. 368325
Koltick, D.
Measurement of phi production in proton-nucleus collisions at 400 GeV/c. 366877
New limits on D^0(1.865) production in proton-nucleus collisions at 400 GeV/c. 361882
Koltin, Y.
Selection with cycloheximide of metabolic and uv-sensitive mutants of Schizophyllum commune and Saccharomyces cerevisiae. 373503
Koltun, D.S.
Theory of pion-nucleus scattering lengths. 359414
Koltunov, V.I.
Repair and reconstruction of equipment of WWER type nuclear power plants. 368148
Koltunov, V.S.
Kinetic of the reduction of neptunium by hydrazine. Pt. 5. Reduction of Np(V) to Np(IV) in nitric acid media. 365025
Kinetics of neptunium (4) oxidation by pentavalent vanadium in perchloric acid solution. 357100
Kinetics of plutonium reduction with sulfurous acid. 369744, 369745, 369746
Mathematical models and calculation algorithms of extraction processes, complicated by chemical reactions. 362344
Oxidation of hydrazine with perchloric acid catalyzed by molybdenum. 364966
Koltygin, V.M.
Formation of quasilocal vibrations in dilute Vsub(1-x) Ptsub(x) alloys on strong alteration of the phonon spectrum of V. 374777
On growing alloy monocrystals using electron non-crucible zone melting. (INIS-mf – 3839) 365123
Production and study of molybdenum alloy monocrystals. (INIS-mf – 3839) 365126
To the evaluation of structure improvement of heat-resistant metal monocrystal. (INIS-mf – 3839) 373220
Koltzenburg, G.
The influence of protonation or alkylation of the phosphate group on the e.s.r. spectra and on the rate of phosphate elimination from 2-methoxyethyl phosphate 2-yl radicals. 378954
Kolyada, A.N.
Radioisoisotope tracking level gage-regulator. (Soviet patent document 381064/A/) 355105
Kolyada, V.M.
Measuring set up for study of crystalline materials by means of low-energy proton beams. 379982
The PM-1 proton microscope for particles with an energy up to 150keV. 350366
Kolyada, Yu.E.
Plasma induction linear accelerator as a source of power high-current ion beams. 376372
Kolyasnikov, M.P.
Enhancing the final product output off the ingots of carbon- and alloyed steels. 362359
Kolybaev, L.K.
Experimental superconducting homopolar motors. 360651
Kolybasov, V.M.
On the theory of isobar knock out of deuteron. 375120
Kolychev, B.S.
Development of methods of solidification and burial of radioactive wastes from the fuel cycle. 368405
Kolykhalova, L.I.
Alpha-particle effect on p-silicon and photoelectric parameters of silicon n-p junctions. (KFTI – 74-47) 353394
Kolykhan, L.I.
Basic performance problems and prospects for 1200-1500MW gas-cooled fast reactors with dissociating coolant. 365981
Experimental investigation of heat transfer in a once-through regenerator-evaporator with a chemically reacting coolant. 355126
Komac, M.
The influence of isostatic hot pressing on the mechanical properties of Ta(C,N)-Ni based hard metals. (KFK-EXT – 6/77-1) 351834
Influence of the substoichiometry of the carbide phase on the properties of (Ta,W)C and (Ta,Mo)C hard metals. (KFK-EXT – 6/77-1) 351823
The influence of VC additions on the sintering of Ta-carbonitride based hard metals. (KFK-EXT – 6/77-1) 351835
On heat-treated Ta(C,N)-Ni hard metals. (KFK-EXT – 6/77-1) 351833
Komaki, Kazuo
Infrared spectral observation of stars. 349009
Komano, Tohru
Inhibition of bacteriophage phiX174 replicative-form DNA replication by rifampicin. 349839
Komar, V.E.
A possibility of reparation of mitochondrial DNA of ascitic hepatoma cells in x-irradiated rats. 357577
Komarek, P.
The study of high voltage problems in a superconducting power pulse generator. 360736

Komarek, T.
Viking relativity experiment. 366755
Komarek, T.A.
Viking solar corona experiment. 366768
Komarov, A.N.
Nuclear-induction methods of modern isotope geochronology. 354676
Komarov, Eh.V.
On the high-temperature interaction of Zr+1% Nb alloy with compacted uranium dioxide. 359967
Komarov, F.F.
Calculations of the cross-section and the probability of the inner atomic shell ionization by heavy charged particles in terms of binary collision model. (INIS-mf – 3996) 363904
Radiation damage and implanted impurity distribution in GaAs at P-ion implantation. (INIS-mf – 3996) 363957
Komarov, I.V.
Coulomb phases of scattering in spheroidal coordinates. (INIS-mf – 3915) 348631
Komarov, M.A.
Heat treatment effect on the properties and structure of welded joints of Al-30Be-5Mg alloy. 369975
Komarov, N.S.
On selective absorption in stars of spectral class M. I. The influence of the blanketing effect on stellar magnitudes; the integrated blocking coefficient. 351034
Komarov, V.A.
Study of continuous electromagnetic-acoustic conversion efficiency in ferromagnetic metals with normal skin-effect. 378660
Komarov, V.E.
Diffusion coefficients of uranyl ions in mixed chloride-fluoride salt mixtures. 378472
Dissolving mechanism and solubility of zirconium dioxide in molten equimolar mixture of sodium and potassium chlorides. (INIS-mf – 4193) 375486
Magnetic properties and crystal structure of UCosub(5,3) alloy. 373183
Polarographic investigation of cathode processes in the NaCl-KCl-UO_2Cl_2 molten salt electrolyte. (INIS-mf – 4189) 375642
Komarov, V.L.
Technological problems of design of the DTRT (T-20) injectors and techniques of their solution. (INIS-mf – 3954) 361553
Komarov, V.V.
Two-particle amplitude and many-particle nuclear processes. 361993
Komarova, L.I.
Chemical transformations during heating of carborane-containing resols and resites. 357027
Komarovskij, I.I.
Cold rolling of hexagonal rods of VT16 alloy. 351699
Komashko, V.A.
Investigation into electrical and physical properties of superconducting vanadium films. 359947
Investigation into the structure of molybdenum vacuum condensate on supphire. 362370
Komata, M.
Generalized perturbation theory applicable to reactor boundary changes. 374119
Komata, Masaoki
Reactor fuel assembly. 368186
Komatsu, Hiromasa
A new vectorlike model of the weak interactions. 349065
New weak phenomena and the vectorlike model with new right-handed mixing. 366852
Komatsu, J.
Experience and future plan of fast reactor oxide fuels irradiation in Japan. 379817
Komatsu, Junji
Behavior of irradiated oxide fuel. 350159
Image analysis of nuclear fuel, (4). (PNCT – 831-77-01) 379575
Komech, A.I.
On spectral representations for the functions Wsub(i)(v,q^2) (i=1,2) describing electroproduction process. 361801
Komen, G.J.
Rare decay modes of the tau. 356416
Komender, A.
Distribution of absorbed dose of ionizing radiation in bone in simulated therapeutic irradiation measured by means of electron spin resonance technique. 379350
Komet, Y.
Momentum measurements of laser produced plasma. 366660
Kometani, T.Y.
Homogeneously doped silica matrices for trace element standards in neutron activation analysis. 372902
Komhyr, W.D.
NOAA carbon dioxide measurements at Mauna Loa Observatory, 1974-1976. 360468
Komin, A.V.
Calculations of a thermonuclear reactor with a cumulating liner. (INIS-mf – 3954) 361566
Induction storage with current electromagnetic multiplication. (INIS-mf – 3954) 361563
Thermonuclear power plant based on a pulse reactor with a cumulating liner and its competitiveness evaluation. (INIS-mf – 3954) 361555
Komina, V.F.
Telemechanic systems for T-10M thermonuclear facility injector. (INIS-mf – 3954) 361539
Kominami, Goro
The TcO_4^- binding to human serum albumin. 349847
Kominami, Shiro
Radical chromatographic separation and ESR detection of spin-trapped nucleotide radicals in gamma-irradiated aqueous solution. 354427
Komino, Takashi
Manufacture and installation of coolant recirculation facility for advanced thermal prototype reactor 'Fugen'. 374233
Komissarov, A.I.
Specific features of technology for producing large sheets of low-carbon corrosion resistant 03Kh21N21M4GB steel. 375802
Komissarova, L.N.
Basic yttrium and lanthanum fluorides. 375566
On structure of scandium compounds of alunite type. 349290
Scandium phosphates. 351528
Study of aluminium and scandium hydroxofluorides by the method of nuclear magnetic resonance. 362186
Komiya, S.
An experimental UHV apparatus to investigate interactions of low energy light ions with solid surfaces. 368978
Outgassing rates before, during and after bake-out for various vacuum and first wall candidate materials of a large tokamak device. 369010
Simultaneous SIMS-AES measurements for partially oxidized aluminum surfaces. 368855
Komizo, M.
Sputtering yields of graphite, copper, using torsion microbalance technique with keV region H^+, He^+ and Ar^+. 368728
Komizo, Mutsuo
Application of torsion vacuum microbalance to sputtering yield measurement. 371711
Komkov, B.G.
Interpolation formula for calculating atomic photo-cross section of X and γ-rays. 374629
Komkov, M.M.
Angular distributions of γ-rays emitted in inelastic scattering of fast reactor neutrons on sup(114,116)Cd. 359473
Level population of ^{92}Mo in inelastic scattering of fast reactor neutrons. (INIS-mf – 3896) 356740
Komlev, L.V.
Isotopic dating methods in nuclear raw materials prospecting. 365272
Komlev, V.P.
Investigation of cerium-144 sorption on ion-exchange resins from simulated sea water. 365019
Komm, D.S.
Electron cyclotron emission in ALCATOR tokamak. 348926
Komnick, K.
Shielding of fast neutrons from cyclotron targets. 354014
Komochkov, M.M.
Application of the photoemulsion method for personal monitoring of neutron dose exposure. 379345
Present state of the photoemulsion method for individual neutron dose control. (INIS-mf – 3846) 350308
Some aspects of accelerator radiation dosimetry. (JINR-R – 16-10647) 376224
Some parameters of a personal film dosemeter based on the type K emulsion. 379885
Some regularities of neutron spectra formation beyond proton accelerator shielding. 379476
Study on some albedo characteristics of personnel dosimeter based on the K-type emulsion on irradiation by thermal and intermediate neutrons. (JINR-R – 16-9749) 363567
Komoda, Seiichi
Neutron cross sections of ^{6}Li. (JAERI-M – 7148) 366988
Komoda, Tsutomu
Single atom image observation by means of scanning transmission electron microscope. 377056
Komogorova, L.V.
Automatic drive for the MIKh-2 magnetometer for measurements of pulse magnetic fields in the UTI adgesator. (JINR – 9-9586) 374377
Komolov, S.A.
The annealing behaviour of dysprosium ion implanted nickel studied by total current spectroscopy. (INIS-mf – 4031) 353413
Change of photopotential and potential of CdS surface in the process of oxygen thermodesorption. 350716
On the annealing behaviour of dysprosium ion implanted nickel: a combined study using rutherford backscattering transmission electron microscopy, and total current spectroscopy. (INIS-mf – 3996) 374690
Komolova, G.S.
Action of ATP on DNA injured by a prolonged irradiation. 362669
Komolova, L.F.
Investigation of luminescence in ZnSe-CdTe and ZnSe-ZnTe heterojunctions. 371600
Komorin, L.V.
Pilot-industrial production of radiation-modified thermal-shrinkaged "Termoplen" film. (INIS-mf – 4194) 376283
Komoriya, H.
Energy-dependent finite element method for two-dimensional diffusion problems. 374120
Komoto, Mahito
Separation method of uranium isotopes. 360561
Komoto, T.
Differential integral experiments for testing cross section evaluations for fusion reactors. (UCRL – 79452) 350862
Measurements and calculations of the electron recoil spectra from gamma rays emitted by nitrogen for a 14-MeV neutron source. 356538
Radiation doses as a function of the thickness and shielding

material surrounding a 14-MeV neutron source. (UCRL – 78560) 359350
Komov, A.L.
Nonrotational states of odd-mass nuclei in the 225< =A< =233 region. (JINR-R – 4-8582) 359408
Komov, A.N.
On measurement of hall mobility of free electrons in indium antimonide on the basis of radioelectric effect. 371630
Komov, G.M.
Results of studies on the BPS-75 projector measuring regime. (JINR-R – 10-10642) 376604
Komov, V.P.
On the mechanism of regulation of the catalase synthesis rate in the rat liver in the course of acute radiation disease. 379024
Kompa, K.L.
Collisionless CO_2 laser-induced photodissociation of sulfur hexafluoride in a molecular beam experiment. 350585
Kompan, M.E.
Optical orientation in ferromagnetic europium sulfide. 368726
Kompan'kov, B.V.
Wide-range autodyne spin detector. 363611
Kompanets, O.N.
Study on excitation of vibrational levels of osmium tetroxide molecule by the continuous CO_2 laser radiation. 368663
Komppa, T.
Structure of odd-A Pm nuclei. I. 354223
Komrakov, G.P.
Electron density on an altitude of 1000 km in calm and disturbed conditions measured by the "Kosmos-381" satellite. 376047
Komu, R.
Structure of odd-A Pm nuclei. I. 354223
Komura, Kazuhisa
Electric monopole and quadrupole matrix elements for the K sup(π)=0^+ bands in ^{154}Gd. 359541
Komura, Ryuzo
Inhibitory effect of Cystenosine on leukopenia by radiation. 360293
Komurka, J.
Creep and creep fracture of 17249 steel. 378646
Komuro, Kazuo
Magnetic instability of Nb48%Ti single core short sample in the changing magnetic field. 358993
Komyak, N.I.
Equipment for measuring X-ray emission of extraterrestrial sources. 374294
Kon, L.Z.
Damping of ultrasound in metals with non-magnetic localized states. 348801
Kon, Tetsuro
Design of pretreatment unit for Kr-85 recovery system. (PNCT – 831-76-01) 380013
Fundamental Research on pretreatment process for Kr-85 recovery system. (PNCT – 831-76-01) 380015
Performance test of the pretreatment unit for Kr-85 recovery system. (PNCT – 831-76-01) 380014
Kon'kov, N.G.
Electron accelerators for waste processing. (INIS-mf – 4194) 376758
Industrial installation with an electron accelerator for sterilization in medicine. (INIS-mf – 4194) 376387
Modernization of electron accelerator on the base of the RUP-400 x-ray unit. (INIS-mf – 4194) 379485
Radiation graft of monomer to cotton fabric by means of an electron accelerator. 367162
Some problems on a local shield calculation of technological installations with electron accelerators. (INIS-mf – 4194) 376362
Kon'kova, L.A.
Heat treatment effect on samarium structure and electric parameters of glow-discharge starters. (INIS-mf – 3839) 365186
Kon'shin, V.A.
Allowance for correlations in the determination of the errors in evaluated data. (INDC(CCP) – 113/U) 356898
Analysis of angular distributions of elastically scattered neutrons on ^{235}U. (INIS-mf – 3895) 354119
Calculation of cross-sections for the reactions (n,n'), (n,2n), (n,3n), (n,n'f), (n,2nf), (n,3nf) on the basis of the exciton model of pre-equilibrium nuclear decay. (INDC(CCP) – 113/U) 356619
Consideration of the (n,γf) process when calculating widths of radiative capture and mean cross-sections of fissionable nuclei. (INDC(CCP) – 113/U) 356659
Evaluation of $\alpha(^{235}U)$ value in the energy range 0,1 keV-15 MeV. (INIS-mf – 3895) 354136
Evaluation of neutron cross-sections for Pu^{240} in the unresolved resonance region. (INIS-mf – 3895) 354037
Evaluation of neutron inelastic scattering cross-sections for ^{235}U. (INIS-mf – 3895) 354038
Evaluation of nuclear constants for ^{235}U in the neutron energy range from 10^{-4} to 15 MeV. (INIS-mf – 3895) 356804
Evaluation of nuclear constants for ^{240}Pu to construct a complete file. (INIS-mf – 3895) 354039
Evaluation of nuclear data for ^{235}U in the region of the unresolved levels. (INIS-mf – 3895) 354036
Evaluation of nuclear data on ^{241}Pu for the compilation of a complete file of constants. (INDC(CCP) – 113/U) 356805
Group constants for ^{235}U, ^{239}Pu, ^{240}Pu and ^{241}Pu; comparison with data from other libraries. (INDC(CCP) – 113/U) 356649
Resonance parameters of ^{235}U in the energy range below 140 eV. (INIS-mf – 3895) 354222
Some questions concerning the parametrization of the cross-sections of fissionable nuclei in the resolved resonance energy region with ^{235}U, ^{239}Pu and ^{241}Pu as examples. (INDC(CCP) – 113/U) 356806
Kon'shina, T.A.
Radiation-vulcanized rubber mixture. (Soviet patent document 461934/A/) 378529
Konador, A.
Distribution of radioactivity in the mouse organism after administration of ^{35}S-chondroitin sulphate. 367583
Konakova, V.A.
On the effect of CdO on the interaktion of In_2O_3 with ammonium chloride. 375487
Konarev, M.I.
Pertechnetate and perrhenate of bivalent lead. 359766
Thermal stab lity of hexachloro- and hexabromotechnetates of ammonium. 378431
Konarev, V.P.
Spectral transformation of radiation in lanthanum chloride monocrystals activated by praseodymium and neodymium. (INIS-mf – 3955) 378281
Konarski, J.
Discussion of anharmonicity caused by lone pair of electrons. Pt. 1. Molecules with one-rotamer forme. 372632
Konashenkov, O.N.
Dosemeter. (Soviet patent document 485396/A/) 376610
Konchakovskaya, L.D.
Reduction of oxide mixtures for permalloy-type alloys. 349252
Kondakova, N.V.
On different protection of DNA against various types of radiation injuries. 378965
Permeability changes and incorporation of labelled thymidine into DNA and whole cells of the fibroblast culture of Chinese hamsters affected by MEA and low temperature. 378959
Radioprotective action of chlorides of alkaline metals on DNA. 376062
Kondal Rao, N.
Integrated planning for a fuel industry, with emphasis on the minimum size appropriate for fabricating one's own fuel. 365829
The role of powder metallurgy industry in the development of atomic energy. 373128
Kondo, Isao
X-rays fluorescence analysis of ATR fuel cladding tube. (PNCT – 831-76-01) 378132
Kondo, K.
Cyclotron isotopes and radiopharmaceuticals. 357861
Kondo, Kenjiro
Production of radioisotopes with accelerators, (1). 355070
Production of radioisotopes with accelerators, (2). 379372
Kondo, Kiyoshi
Clinical application of extracellular fluid measurement using ^{35}S-sodium sulfate. 379200
Kondo, M.
Annual report of Research Center for Nuclear Physics, Osaka University. 361239
Kondo, Minoru
Plasma measurement and plasma wave excitation experiment on K-9M-49 rocket. 377640
Kondo, Norikatsu
Gross theory of beta-decay and half-lives of short-lived nuclei. (KURRI-TR – 145) 377948
Kondo, S.
Differential causes of mutation and killing in Escherichia coli after psoralen plus light treatment: monoadducts and cross-links. 367469
Kondo, Shunsuke
Optimization of refueling scheme of fast reactor core by means of man machine interactive method. 355469
Reactor vessel structural response tests at FBR hypothetical accident. 355450
Kondo, Sohei
Evolutionary considerations on rad-resistance mechanism. 354740
Kondo, T.
The environment enhanced crack growth effects in structural steels for water cooled nuclear reactors. 354567
Kondo, Y.
Close companion to α Ursae Majoris. 361710
Coordinated campaign to observe X-ray binaries. 369132
Effects of radiation pressure on the equipotential surfaces in x-ray binaries. (CONF-7510169 –) 364356
The Mg II features near 2800 A and spectral classification. 369133
On the emission of neutrinos and gravitational waves in the formation of neutron stars. 366714
Skylab SO19 ultraviolet spectra of HD153919 (=3U1700-37) and HDE226868 (=Cyg X-1). (CONF-7510169 –) 364355
The ultraviolet spectrum of beta Lyrae. 369095
Kondo, Yoshihide
Flux distributions of 14-MeV neutrons. 360727
Kondoh, M.
rf acceleration in KEK booster. 363278
Kondoh, Y.
Numerical computation of high-beta toroidal diffuse equilibria. 371917
Kondorskij, E.I.
Hall effect in rhenium single crystals at low temperatures and under hydrostatic pressure. 369976
Kondow, T.
CN($B^2\Sigma$-$X^2\Sigma$) emission spectra from cyanides produced in collision with electrons, metastable atoms and photons. 368664
Kondrashov, V.D.
Delay time units in the CAMAC standard. (JINR – 9-9041) 350055
Kondrashov, V.E.
Some specific features of photoconductivity spectra of PbTe thin films. 348779

Kondrashov, V.N.
Study of the acceleration of thin metal foils acted on by high-power laser emission. (IAEA - 200) 353518
Kondrat, E.T.
Spectrometry of radioactive nuclide radiation using semiconductor detectors. (JINR-R - 6-9071) 350339
Kondrat'ev, A.I.
Specific features of technology for producing large sheets of low-carbon corrosion resistant 03Kh21N21M4GB steel. 375802
Kondrat'ev, A.N.
Basic problems in reprocessing spent fuel elements of nuclear power plants. 366159
Process equipment for reprocessing of fast reactor fuel elements. (IAEA-AG - 63-20) 368212
Spent nuclear fuel transport problems. 367947
Kondrat'ev, A.S.
Subnanosecond silicon detector. 371074
Kondrat'ev, I.G.
On resonance absorption of electromagnetic waves in an inhomogeneous plasma. 369012
Kondrat'ev, M.V.
Nuclear maser-effect in n-type InAs. 374731
Kondrat'ev, V.P.
Anisotropy of thermoelectromotive force in bismuth telluride monocrystals. 374800
Kondrat'ev, V.V.
Study of γ- and α-phase structure in Fe-Ni alloys in the vicinity of the martensitic transformation point. 370028
Kondrat'eva, T.M.
Study of rare earths separation process from radioactive impurities. 357083
Kondrat'eva, V.I.
Regularities of radiorace formation in yeasts. Comm.8. The role played by heterozygosis of diploid yeasts in radiorace formation. 352016
Kondratenko, A.K.
Hydraulic resistance and heat transfer in systems for superconducting magnets cooling. (INIS-mf - 3954) 361523
Nucleate and film boiling heat transfer to saturated liquid helium. 349970
Kondratenko, A.M.
Method of absolute calibration of beam energy and storage rings. Mass measurement of a PHI meson. (JINR-D - 1,2-9342) 357947
Radiative polarization: obtaining, control, using. 374058
Kondratenko, A.N.
Excitation of potential surface oscillations in semiconfined inhomogeneous plasma with metal screen by electron beams. 364213
Kondratenko, M.M.
Double inversion of the Hall coefficient in p-type Pbsub(1-x)Snsub(x)Te solid solution. 358884
Formation of p-n junctions at the surface and in the volume of Pbsub(0.82)Snsub(0.18)Te monocrystals. 358883
Kondratenko, N.F.
Kinetics of the main parts of the hemopoietic system during the postradiational regeneration. 349744
Kondratenko, V.N.
Power units with WWER-440 type reactors. 368152
Kondratenko, V.P.
Effect of thorough compression and temperature change on optical spectra of aluminium-yttrium garnet monocrystal, activated by neodymium. (INIS-mf - 3955) 378434
Effect of uniform compression on spectrum of aluminium yttrium garnet monocrystal activated by neodymium. 359713
Kondratenkov, Yu.B.
Measurement of plasma-focus x-radiation spectra with resolution in time. 374851
Kondratiev, Yu.S.
Intergeneric mating: transfer of polA gene from E. coli to S. typhimurium. 373501
Kondratov, V.M.
Effect of phase composition and structure on damping characteristics of chromium-nickel maraging steels. 378661
Kondratyuk, A.M.
Experiment on radioisotope application to investigation into technological processes of continuous steel casting and improvement of metal quality. 373146
Kondratyuk, L.A.
Interaction of J/psi - particles with nucleons and nuclei in the soliton model. 375037
The single-scattering contribution to πD elastic scattering at low and intermediate energies. 362052
Kondurov, I.A.
Testing of logarithmic neutron-guide on the VVR-M reactor. (INIS-mf - 3895) 355149
Kondyr', A.I.
Effect of grain size and cooling rate on the brittleness of the steel 15Kh25T at 475 deg C. 378758
Konecny, L.
Catalytic purification of reactor KS-150 heavy water moderator of organic impurities. 369606
Konecny, M.
A study of radiation dose fractionation in mammary gland tumour therapy. 379065
Konetschny, W.
Nonconservation of total lepton number with scalar bosons. 356440
Konev, V.A.
Study of corrosion effect on the durability of gas turbine blades. 369813
Koneva, N.A.
Strain hardening of alloys with the face-centered cubic lattices. 373258
Konicek, J.
A combined ^{3}He-^{4}He dilution refrigerator. 376323
Konieczko, A.
Nuclear energetics and reactor engineering. 355396
Some characteristics of the first Polish atomic power station relating to its effect on the environment. 354997
Konieczny, W.
Estimation of deposit-time of sup(99m)Tc pertechnetate in cardiac chamber during radioisotope angiocardiography in various heart diseases. (INIS-mf - 4010) 370437
Konijn, J.
Aligned rotation of octupole-vibrational states in deformed nuclei. 375121
An anomalous behaviour of the gamma band in ^{156}Dy. 364812
High-spin states and neutron multiplicities after pion capture in ^{181}Ta and ^{209}Bi. (INIS-mf - 4267) 377966
An in-beam Ge(Li)-NaI(Tl) Compton suppression spectrometer. 355502
Level structure of ^{156}Gd. (INIS-mf - 4267) 378022
Multipolarities of prompt transitions in ^{156}Dy and spin-parities of the upper band levels. 356716
Konikova, R.A.
Paste for high temperature metallization of sapphire. 349382
Koning, C.
The assessment of embrittlement of steel by irradiation from the attenuation of stress waves, using small specimens. 370152
Konings, A.W.T.
Subcellular distribution of the tumor-localizing agent ^{57}Co-bleomycin in normal and tumor cells. (INIS-mf - 4010) 357617
Konishi, K.
Baryons and dual unitarization. 372446
Konishi, T.
Inclusive Λ, anti Λ and Σ^{+-}(1385) production in 405 GeV/c pp interactions. 377810
Some features in rapidity space of multiparticle production by proton-proton collision at 102 GeV/c. 353970
Konks, V.A.
Gaseous and frozen-up converters as ultracold neutron sources. (INIS-mf - 3895) 354001
Measurement of ultracold neutron spectrum. (INIS-mf - 3895) 354000
Konnikov, S.G.
Exciton spectra and band structure of Znsub(x)Cdsub(1-x)S mixed crystals. 348850
Konnikova, V.K.
Flux densities for selected radio sources in the third Cambridge and Parkes catalogs. 353681
Konno, Kimiaki
Contribution of higher order terms in the reductive perturbation theory, 2. (IPPJ - 277) 353564
Konno, Masahiro
Observation of linear polarization of variable radio sources at 7.2 cm. 359102
Konnov, V.I.
Interaction of ruthenium (3) and osmium (4) chlorides with tin (2) in aqueous solutions of hydrochloric and hydrobromic acids. 375404
Konnov, Y.
Safeguarding on-power fuelled reactors - instrumentation and techniques. (AECL - 5712) 361214
Safeguarding on-power-fuelled reactors. Instrumentation and techniques. 371293
Kono, K.
Safety aspects of reprocessing and plutonium fuel facilities in PNC. 370522
Kono, Nobuaki
Device for detecting positions of a control rod. 350177
Konobeev, Yu.V.
Kinetics metal swelling in the flux of energetic particles. (KFTI - 74-47) 349591
Kinetics of metal swelling in a fast particle flux. 360103
Radiation damage of structural materials of fast reactors. 375944
Konokotin, V.V.
Features of contact interaction of some refractory oxides with carbon. 359637
Kononenko, L.I.
Change in the relation of band intensities of Eu^{3+}, Sm^{3+}, Tb^{3+} and Dy^{3+} ion luminesence spectra in complexes as a function of the number of coordinated ligands. 351545
Intensity of Yb^{3+} ion absorption band in solutions of some complexes. 369590
Investigation into different-ligand complexes of rare earths with acetoacetic ester and phenanthroline. 375415
Organic reagents using for luminescent determination of scandium. (INIS-mf - 4192) 375295
Phosphorescence of complexes of some elements of group 3 with β-diketones at room temperature. 349265
Selection of analytical lines of luminescence spectra during determination of lanthanoid ions in solutions of complexes. (INIS-mf - 4191) 375331
Spectrophotometric study of neodymium (3), holmium (3) and erbium (3) ions complexing with acetoacetic ester. 349279
Kononenko, V.A.
Beryllium coprecipitation with iron hydroxide. 359753
The x-ray diffraction analysis method. (Soviet patent document 494670/A/) 375848

Kononenko, V.I.
Experimental investigations of current discharge plasma confinement in L=1 torsatron in the region of low-frequency collisions. (INIS-mf - 3963) 371756
Kononenko, V.K.
Photoelectromotive force of surface-barrier structures on n-type ZnTe. 368894
Kononenko, Yu.T.
Luminescent properties of aqueous solutions of alkaline earth metal chlorides with molecular anions NO_2^- impurity. 378216
Kononets, Yu.V.
Effects of dynamical interaction in dissociation of fast molecules in thin foils. (INIS-mf - 3995) 377207
Kononov, B.A.
Fast electron path in dielectric materials. 356548
Peculiarities of electron radiography of materials with microcracks. 376266
Kononov, V.A.
Peculiarities of dimensional treatment of materials using ruby laser operating in free generation and single-pulse regimes. 369861
Kononov, V.I.
The NAP-M proton storage. 363164
Kononov, V.N.
Analysis and evaluation of experimental data on the value of alpha for plutonium-239. (INDC(CCP) - 108/U) 356807
Kononova, R.F.
State special standard for absorption dose unit of X-ray irradiation with maximum photon energy from 3 to 9 fJ (20-60 keV). 376256
Kononykhin, V.S.
Homogeneization of the germanium telluride. 378626
Konopatova, E.A.
Variation of plastic deformation resistance of metals under high-frequency vibrations. 369970
Konopel'ko, E.I.
Temperature effect on dependence of luminescence intensity of NaCl-Eu monocrystal on α-irradiation doses. (INIS-mf - 3955) 362521
Konopka, G.
Magnetic moments of light nuclei. 361994
Konoplev, V.S.
The nature of luminescence centres in silicon irradiated by fast neutrons. 370176
Konoplev, Yu.V.
Economic efficiency of geophysical methods for production control in the Anastasievsko-Troitskoe oil and gas field. 354675
Konopleva, R.F.
The electrical properties of a strongly disordered system based on lightly doped germanium compensated by disordered regions. 370154
Konoplich, R.V.
Neutrino (antineutrino)-electron scattering with bremsstrahlung in the renormalization theory of weak and electromagnetic interactions. 356474
Konoplyannikov, A.G.
Action of some biologically active preparations on the cell population of stem haemopoietic fraction and on the survival of irradiated mice. 367512
A method of monolayer cultures of the guinea pig spleen used to evaluate the radioprotective action of mexamine on the survival of colony-forming cells. 360218
Survival of leukosis La cells after prolonged exposure to gamma-rays of Co^{60} and mixed gamma-neutron radiation of Cf^{252}. 376063
Konoplyannikov, A.K.
J/psi particle production in π⁻-N interactions at 27 and 40 GeV/c. 369364
Konov, I.S.
Anomalous temperature dependence of spin-lattice relaxation of praseodymium nuclei in $Pr_2(SO_4)_3x8H_2O$ monocrystal. 348758
Magnetic properties of $PrAlO_3$ in tetragonal phase. 356003
Konoval, A.A.
Correlation of photoluminescence spectra and generation-recombination noises in CdS sintered layers and determination of radiation centers parameters by a noise method. 371638
Konovalenko, V.V.
Central peak in the spectrum of fluctuations of a ferroelectric mode and dielectric losses in $SrTiO_3$ at 4.2 K. 374787
Konovalov, L.V.
Thermal isomerization of rhenium(5) complex with diethyl phenyl phosphine. 351514
Konovalov, V.G.
Experimental investigations of current discharge plasma confinement in L=1 torsatron in the region of low-frequency collisions. (INIS-mf - 3963) 371756
Particle confinement in hf-heated plasma in the Uragan-2 stellarator. (INIS-mf - 3963) 371814
Konovalov, V.I.
Activity of molybdenum-containing oxide catalysts in the reaction of ethane oxidation. 369646
Konovalov, V.P.
Volume steam compensator. (Soviet patent document 453123/A/) 355306
Konovalova, N.A.
Determination of oxidation potential of the pair Fm^{2+}/Fm^{3+}. 359748
Determination of the sensitivity of mass spectrometers to microimpurities. 350345
Investigation into rare earth chlorides in hexamethylphosphorotriamide. 375516
Konrad, G.T.
Performance of a high efficiency high power uhf klystron. 363279
Konrad, L.A.
Conductivity type variation in epitaxial films of cadmium sulfide and cadmium selenide. 361471
Konradt, M.
Ultramicro radioimmunoassay of insulin using commercial RIA kits. 354933
Konstant, Z.A.
Use of fast neutron activation analysis for determination of elemental composition of titanium and vanadium phosphates. (INIS-mf - 4188) 375378
Konstantinov, A.A.
The LX-, LX coincidences in the sup(71)Ge and sup(109)Cd decays. 377057, 377057
Konstantinov, I.O.
Radiometric determination of titanium vessel wall corrosion. 351667
Some problems of calibration technique in charged particle activation analysis. 372888
Use of 11 MeV protons in activation analysis. 378188
Konstantinov, K.
Multilayer ionization fission chamber with cooling of the fissile targets down to 77°K. (LA-tr - 77-35) 358338
Konstantinov, L.
The development of IAEA safety codes and guides for thermal neutron nuclear power plants. 370631
Konstantinov, M.Yu.
To the problem of singularities in the general relativity theory. 350505
Konstantinov, P.A.
Tris(2-thienyl)phosphine complexes of group VIB (Cr, Mo, W) metal carbonyls. 354344
Konstantinov, V.F.
J/psi particle production in π⁻-N interactions at 27 and 40 GeV/c. 369364
Konstantinov, V.I.
Electrode processes during niobium refining in chloride-fluoride melts. (INIS-mf - 4189) 375488
Konstantinov, V.N.
Electron spin resonance of vanadyl acetylacetonate in oriented polyvinyl chloride. 362202
Konstantinova, M.M.
The nature of variations in the radioresistance of sea urchin eggs in the early embryogenesis. 354741
On the action of radioprotective agents on the endogenous serotonin content and radiosensitivity of isolated Ehrlich ascites tumour and E. coli B. cells. 370316
Konstantinovich, A.A.
Development of methods of solidification and burial of radioactive wastes from the fuel cycle. 368405
Features of a process for vitrifying radioactive waste without precalcination and radionuclide behaviour in the process. 358489
Konstantinovskij, L.E.
NMR study into enanthiomerization kinetics of Zn(2), Cd(2), Pb(2) tetrahedral bis-chelate complexes. 369674
Kontelahti, M.
Structure of odd-A Pm nuclei. I. 354223
Konteling, R.G.
Silicon detector ΔE, E particle identification; a theoretically based analysis algorithm and remarks on the fundamental limits to the resolution of particle type by ΔE, E measurements. 355582
Kontor, N.N.
Anisotropy of solar protons and inhomogeneities of the interplanetary medium. 356284
On anomalous anisotropy of solar cosmic ray flux in September 1973. 377661
On the 11 year cycle of cosmic rays. 356285
Strong active areas and disturbances of the interplanetary medium. 356271
Kontorov, D.S.
Solidification of the polyester coatings with accelerated electron beam in air. (INIS-mf - 4194) 376281
Konuma, M.
Nitriding of zirconium in a radio frequency discharge. 354345
Some properties of zirconium nitride formed by plasmas. 367093
Konunova, Ts.B.
Heat addition of pyridine and its derivatives to hafnium tetrachloride. 378315
Study of zirconium complexing with some amino acids by metal-indicator method. 378316
Konya, M.J.
Hybrid computer simulation of the LOFT plant. (LTR - 10-2B) 379656
Konyaev, S.I.
Invariant formulae for integration on a sphere. (IAE - 2553) 350445
Konyaev, V.F.
Measurement of the ^3H spectrum aiming to improve the upper limit for the antineutrino rest mass. 353998
Measurements of β spectra of tritium undertaken for more precise definition of the upper limit for the antineutrino rest mass. 378071
Konyaev, Yu.S.
Hydroextrusion influence on structure and some properties of niobium strengthened by dispersive carbide phase. 373267
Hydrostatic extrusion effect on plasticity of carbide-strengthened niobium alloys. 357327
Konyashov, V.V.
Radioactivity of cover gases in a fast reactor (experienced in

BOR-60). (IWGFR – 7) 360969
Studies on radioactivity build-up and distribution in the BOR-60 circuit. (IWGFR – 7) 360981
Konyushkina, N.I.
Exoelectron emission under ultrahigh vacuum conditions. 354531
On the nature of exoelectronic emission from crystal phosphors. 2. Sulphates. 349243
Konyushko, V.I.
Observation of possible production and decay of short-living heavy neutral particles in the SKAT neutrino experiment. 353930
Konzak, C.F.
Guidelines for the production, evaluation, and use of induced resistance to stripe rust in wheat. 373720
Koo, J.Y.
Dioxetane chemiluminescence. The effect of deuterium substitution on the thermal decomposition of trans-3,4-diphenyl-1,2-dioxetane. 362189
Koof, A.P.
Nuclear power is not only necessary, but it can also be mastered. 366137
Koonin, S.E.
Break-up densities of nuclear fireballs. 361963
Classical theory for one-body nuclear dynamics. 356617
Knock-out nucleons from relativistic nuclear collisions. 364697
Proton pictures of high-energy nuclear collisions. 354224
Koontz, R.F.
Single bunch beam loading on the SLAC three-kilometer accelerator. 363280
Koopman, D.W.
Resonant optical schlieren system for plasma flow studies. 350942
Koopman, G.
Electron spin resonance of Gd in Ce/sub x/La/sub 1-x/Ru_2. 357244
Koopman, R.P.
Investigation of gamma-ray strengths following inelastic proton scattering on an even – even vibrational nuclei. (BNL-NCS – 22500) 356808
Systematics of gamma decay through low-lying vibrational levels of even – even nuclei excited by (p,p') and (n,n') reactions. (UCRL – 52275) 372782
Koops, J.
Accidents, ch. 6. (INIS-mf – 4221) 379210
Koops, J.E.
Gamma-decay and static moments, ch. 2. (INIS-mf – 4173) 369434
Kooy, P.P.M.
Technetium scanning in orbital disease. 365484
Kop'ev, I.M.
The effect of statistical distribution of the reinforcing fiber strength on the bearing ability of a composite material with a metallic plastic matrix. 365160
Kopal, Z.
Fourier analysis of the light curves of eclipsing variables. XII. 369134
Kopaleishvili, T.I.
The effect of relativistic kinematics in pion-deuteron scattering. 361995
Kopanets, E.G.
Analysis of γ-ray angular correlations for nonzero spin target nuclei. (KFTI – 75-15) 361996
Analysis of M1 transitions of the analog-antianalog type in ^{27}Al and ^{31}P nuclei. 375122
Angular distribution of gamma rays from the $^{31}P(p\gamma)^{32}S$ reaction. 375185
Electromagnetic transitions between states with a different deformations. (KFTI – 75-15) 361989
Electromagnetic transitions in light nuclei. (KFTI – 75-15) 361997
Fine structure of isobaric analog state in ^{23}Na. (KFTI – 75-15) 361999
Radiative capture of protons by ^{31}P nuclei. 359501
Resonance reactions of the charged particle radiative capture. (KFTI – 74-27) 354078
Kopanev, V.D.
Structure of polymeric niobium and tantalum ethoxy-fluoride complexes in solution. 359635
Kopecki, D.S.
Methods of calculating composition changes in neutron-irradiated materials. Erratum. 365237
Kopecky, J.
Correlations in M1 neutron capture as evidence for a semi-direct mechanism. 361969
Implications for radiative-strength functions from neutron capture in ^{35}Cl. 366971
Implications of failure of Porter – Thomas statistics for light nuclides and its relevance to nuclear energy programs. (BNL-NCS – 22500) 356732
Kopecky, M.
Variations of the number frequency distribution of sunspot groups according to their size in the course of the 11-year cycle. 349010
Kopecky, P.
Yields of nuclear reactions for the production of radiopharmaceuticals ^{18}F, ^{43}K, ^{67}Ga, ^{111}In and ^{123}I with charged particles. (UJF – 4199-B) 377969
Kopecky, V.
Direct currents generated by microwave heating in toroidal plasma. 377455
Direct toroidal current generated by microwaves. (INIS-mf – 3963) 371915
Kopejka, K.M.
Critical conditions for ignition of boron particle suspension in gas. 349317
Kopejtko, J.
Applications of radioactive tracers in chemical flow reactor study. VI. 379421
Radionuclide methods in semiconductor technology. I. 379423
Kopelic, S.D.
Consideration of uncertainties in the specification of core hot channel factor limits. (WCAP – 9181) 373841
Kopeliovich, B.Z.
Three-reggeon phenomenology in the $p+p \rightarrow p+X$ reaction. 356435
Kopeliovich, D.Kh.
Corrosion of titanium and its alloys in nitric acid solutions with additions of hydrogen peroxide. 362301
Kopelson, G.
Lymphopenia caused by cranial irradiation in children receiving craniospinal radiotherapy. 373568
Kopetskij, Ch.V.
Influence of austenite grain size on mechanical properties of chromium-nickel structure steels. 349532
Superconductivity of some alloys of Nb_3Ga-Nb_3Pt and V_3Ga-V_3Pt systems. 378662
Koplik, B.
Dynamic response of a multielement HTGR core. (BNL – 23197) 363000
Effect of clearance and distribution of mass on the dynamic response of an HTGR core. (BNL-NUREG – 22651) 357811
Higher order effects and their influence on the HTGR core. (BNL – 23196) 367747
OSCIL and OSCVERT: computer codes to evaluate the non-linear seismic response of an HTGR core. (BNL-NUREG – 22650) 357794
Koplik, J.
Faddeev-Popov procedure and Gribov copies. 371385
Kopnin, N.B.
Vortex motion and electric conductivity of type-2 superconductors in a magnetic field. 348787
Kopoldova, J.
Gamma-radiolysis of aqueous solution of histidine. 354742
Kopot', E.A.
Composition and properties of cosmic radiation on mountain altitudes. 361668
Kopp, M.K.
Recent improvements to RC-line encoded position-sensitive proportional counters. (CONF-771077 – 5) 379864
Kopp, R.
Evidence for negative deflection angles in ^{40}Ar + Ag deep-inelastic reactions from γ-ray circular polarization measurements. 367010
Koppe, V.T.
The dissociative excitation of halogen substituted methane by electron impact. 371504
Koppel, A.
Newtonian and non-newtonian limits of the stationary gravitational fields. 371397
Koppel, L.N.
High resolution x-ray crystal spectrographs. (UCRL – 79781) 377457
Sub-keV, subnanosecond measurements of x-ray spectra from laser-produced plasmas. (UCRL – 79782) 377458
Use of x-ray imaging on laser fusion experiments. (UCRL – 79817) 366506
Koppenhagen, K.
Value and limitations of retrosternal lymph scintigraphy for the staging of breast cancer. (INIS-mf – 4010) 357712
Koppitz, B.
Evidence for the tau $\rightarrow$ γrhoπ decay mode. 372500
Measurement of the branching ratios for the decays J/psi(3.1) $\rightarrow$ fω and J/psi(3.1) $\rightarrow$ Bπ. 372506
Measurement of the J/psi radiative decay into $f^0(1270)\gamma$. 377779
Koprda, V.
Behaviour of ^3H-VUL 111 in rat organism. 373669
Labelling of Candida albicans and its behaviour in the organism. 373696
Koptev, V.P.
π-meson chanel of the LIYF AS USSR synchrocyclotron. 360721
Measurement of an average momentum and composition of secondary particle beams from accelerators. 363281
Koptsik, V.A.
Spin P-symmetry of magnetic crystals. Monoclinic and orthorhombic structures. (JINR-E – 4-10788) 366430
Koptyuk, F.R.
On the theorem of equivalence boson fields. 361263
Kopunec, R.
Extraction of carrier-free ^{144}Ce with acetylacetone and 8-hydroxyquinoline. 369750
Solvent extraction of technetium complexes with thiourea. (INIS-mf – 3849) 378485
Technetate separation from fission products by solvent extraction with CCl_4 solution of tri – n – octyl amine. (INIS-mf – 3849) 378477
Kopylov, A.I.
Faint galaxy counts. 369125
Kopylov, V.A.
Potatoes (Lorkh variety). 367676
Kopylov, V.I.
On analogy between surface fracture energy and activaiton energy of bonding in solid phase. 365182
Kopylov, Yu.L.
Faraday effect and physical properties of epitaxial films of bismuth-containing ferrite garnets with magnetic compensation

point. 358858
Study on neodymium glass on the base of alkali metals metaphosphates. 370108
Kopylova, D.K.
Topological cross sections of np-interactions in the monochromatic neutron pulse range from 1 to 5 GeV/c. (JINR – 1-8565) 356475
Kopysov, Yu.S.
Solar neutrinos and the role of exchange currents in the pp reaction. 369262
Kopytin, L.V.
Nitridation of sintered iron base alloys. (INIS-mf – 4046) 370092
Kopytov, V.V.
Redox potentials of the Bk(4)-Bk(3) pair. 369762
Kopytov, Yu.A.
Efficiency of introduction of nuclear physical methods of testing. 360158
Kopzhasarova, K.A.
Search for correlations between production of high energy helium nuclei and generation of shower particles. 369359
Korablev, M.P.
Electrochemical machining of the VKh6 alloy. 362355
Korabliev, V.M.
Observation of possible production and decay of short-living heavy neutral particles in the SKAT neutrino experiment. 353930
Koral, K.F.
Estimation of organ depth by gamma ray spectral comparison. 349807
Korbel, K.
Identification of copper ore processing by means of radioactive tracers. 375745
A self-flushing impulse injector for radiotracer measurements of the flow of hydromixtures in closed conduits. 355114
Korbel, V.
Observation of jet structure in high psub(T) events at the ISR and the importance of parton transverse momentum. 353956
Korbutyak, D.V.
Exciton observation in CdS subsurface thin layers. 374802
KorchagiMa, Zh.A.
Level density dependence on parity for sup(238)U. (FEI – 636) 356637
Korchagin, P.A.
Commercial production of tungsten-rhenium (VR27-VP) and molybdenum-rhenium (MR47-VP) alloy semiproduct. 349420
Korchemkin, M.A.
Nuclear maser-effect in n-type InAs. 374731
Korchinskij, G.D.
Thermodynamic properties of dilute Ce-Sb solutions. 375910
Korchuganov, B.N.
Method, equipment and main results of the measurement of the Venusian rock density on 'Venera-10'. 373965
Korda, L.P.
Analysis of γ-ray angular correlations for nonzero spin target nuclei. (KFTI – 75-15) 361996
Analysis of M1 transitions of the analog-antianalog type in ^{27}Al and ^{31}P nuclei. 375122
Electromagnetic transitions between states with a different deformations. (KFTI – 75-15) 361989
Korda, T.M.
Atomic absorption determination of main composition of semiconductor films. 375387
Kordab, M.
A twenty-pole superconducting field winding. 360605
Kordecki, H.
Cellular proliferation indices in acute (immaturecell) leukaemias. 367646
Kordisch, H.
Experimental investigations of fracture spreading in thick-walled components. 354520
Growth characteristics of part-through cracks in thick-walled plates and tubes. 351809
Kordyasz, D.
The effect of density deviation on concrete attenuation effectiveness. 376428
The tables of gamma-ray build-up factors for 29 elements. 375096
Kordyukevich, V.O.
Measurement of ^{236}U and ^{239}U compound nuclei lifetime dependence on excitation energy. (INIS-mf – 3896) 356917
Study on proton polarization in elastic scattering on ^{24}Mg, ^{26}Mg, ^{32}S nuclei in the proton energy range 5-6 MeV by the thick target method. 378053
Korecki, J.
The effect of neighbouring chromium atoms on hyperfine magnetic field at ^{57}Fe nuclei in Fe-Cr alloys. 364000
Koren, H.
Investigations on the influence of radiotherapy on the extent of DNA-repair in peripheral lymphocytes and tumor cells of patients with cancer. (SGAE – 2712) 357596
Koren', V.M.
Thermonuclear power plant based on a pulse reactor with a cumulating liner and its competitiveness evaluation. (INIS-mf – 3954) 361555
Korenchenko, S.M.
Search for the $\mu^+ \rightarrow e^+ + e^+ + e^-$ decay. 369380
Spectrometer ARES. (JINR-R – 13-9542) 350309
Korenev, Yu.M.
Study on interaction of zirconium and hafnium tetrafluorides with calcium fluorides. 369693
Koreneva, L.G.
Excitation transfer and structure of luminescence centers in crystals of some rare earth chelates activated by europium. (INIS-mf – 3955) 362168
Use of a luminescent probe to investigate complexing of rare earths with macromolecular ligands. 359720
Use of luminescent probe for investigation into europium compounds with dicarboxylic acids. 349306
Use of luminescent probe for studying rare earth compounds with monocarboxylic acids and ortho-phenanthroline. 369715
Korenevskaya, N.F.
Intergeneric mating: transfer of polA gene from E. coli to S. typhimurium. 373501
Korennoj, V.P.
Evaluation of neutron inelastic scattering cross-sections for ^{235}U. (INIS-mf – 3895) 354038
Korenovskij, N.L.
Secondary electron emission from an iridium monocrystal. 375890
Korenyuk, Yu.M.
Effect of some media on high-temperature plasticity of titanium. 369926
Korepanov, V.D.
Polarization echo in crystals. (INIS-mf – 3955) 361416
Koreshev, V.I.
On multiplicity of charged particles in hadron reactions at high energies. 349054
Korf, J.
^{11}C-labelled DOPA for detection of cerebral dopaminergic structures. (INIS-mf – 4010) 357618
Rapid synthesis and purification of carbon-11 labelled DOPA: a potential agent for brain studies. 375655
Korkea-Aho, M.
A search for the I peak at 2.60 GeV/c^2 in 12 GeV/c anti pp interactions in the CERN 2m HBC. 377781
Kormendy, J.
Photographic measurements of the diffuse light in the coma cluster. 372290
Kormilitsyn, G.A.
Operational evaluation of ore quality using x-ray radiometric and gamma gamma methods in copper pyrite deposits in the Urals. 351933
Kormin, E.G.
Polarization in 1 GeV elastic proton scattering on carbon. 354133
Kormushkin, Yu.P.
Distribution of costs in accumulating isotopes of transuranium elements. 350415
Experimental RBT-6 reactor. 376597
Korn, C.
Influence of vanadium on hydrogen diffusion and phase constitution in Ti-H. 371631
Korn, D.
Thermopower of amorphous SnCu alloys. 353454
Korn, H.
Calorimetric absolute methods for determination of photon energy dose. 373936
Korn, M.A.
Productivity goals and regulatory needs: the importance of state regulators. 363713
Korn, P.
Magnetic compression and electrostatic reflection of very high upsilon/γ electron beams. 363318
Kornakov, E.V.
Power supply for the "T-10M" experimental thermonuclear facility. (INIS-mf – 3954) 361571
Power supply for the T-20 demonstration thermonuclear tokamak-reactor. (INIS-mf – 3954) 361572
Results of the "Tokamak-10" start-up and operation. (INIS-mf – 3954) 361570
Kornalik, F.
Serum thrombopoietic activity following administration of vinblastine. 354851
Kornbichler, H.
Drive mechanism for a cruciform nuclear reactor control rod. (German (F.R.) patent document 2048029/B/) 355350
Kornbichler, S.
Securing heat removal in LWR reactors. (AED-Conf – 78-004-001) 376490
Kornblith, P.L.
Characterization and radiobiologic parameters of medulloblastoma in vitro. 373494
Radiation sensitivity of cultured human glioblastoma cells. 362626
Kornblum, G.R.
Physical characterization of an inductively coupled plasma for analytical atomic spectroscopy. (INIS-mf – 4089) 364214
Spatial distribution of the temperature and the number densities of electrons and atomic and ionic species in an inductively coupled RF argon plasma, ch. 3. (INIS-mf – 4089) 364214
A study of the interference of cesium and phosphate in the low power inductively coupled radiofrequency argon plasma using spatially resolved emission and absorption measurements, ch. 4. (INIS-mf – 4089) 364215
Kornblum, H.N.
Energy balance measurements for Shiva. (UCRL – 79801) 377409
Pinhole imaging of laser-produced thermonuclear alpha particles. (UCRL – 79780) 377365
Sub-keV, subnanosecond measurements of x-ray spectra from laser-produced plasmas. (UCRL – 79782) 377458
Time-resolved x-ray spectra of laser irradiated high-Z targets. (UCRL – 79783) 377469
Korneev, N.N.
Alkylalumoxanes as cocatalysts of ethylene polymerization. 375513
Korneev, V.
A quantum calculation of the blocking effect. (INIS-mf – 3995)

377223
Korneev, V.A.
On a method for solution of transport equation using singular integral equations. (FEI – 550) 350446
Korneev, V.N.
Small-angle x-ray camera with the use of synchrotron radiation. 376695
Korneeva, A.N.
The chemical induction phenomenon in conjugated oxidation of copper, molybdenum, tungsten. 351593
Particularities of sublimation kinetics of interference coloured oxide films on molybdenum and tungsten. 351594
Korneeva, I.I.
Dependence of the radiation defect formation in KCl crystals on the electron beam intensity and duty ratio. (KFTI – 74-47) 353427
Korneeva, T.V.
Corrosion of armco iron during cathodic polarization in strongly acidic chloride solutions. 367187
Korneeva, V.V.
Radiation graft of monomer to cotton fabric by means of an electron accelerator. 367162
Korneichuk, A.A.
ASTRA system. Autocoder translator. Version 75/2. (JINR – 11-9374) 361219
Kornejchuk, V.A.
Effect of laser radiation polarization type on two-phonon light absorption in A^2B^6 semiconductors. 371632
Kornelsen, E.V.
Apparatus for the detection of small numbers of desorbing inert gas atoms. 367898
Kornelyuk, Y.G.
Further search for muonic pairs in the neutrino and antineutrino beams at the IHEP 70 GeV accelerator. 353927
Kornelyuk, Yu.G.
Observation of muon pairs in neutrino interactions at Serpukhov 70 GeV accelerator. 361870
Korner, H.J.
Experimental evidence of multistep processes in the $^{74}Ge(^{18}O,^{16}O)^{76}Ge$ and $^{76}Ge(^{16}O,^{18}O)^{74}Ge$ reactions. 351336
Korner, L.A.
Radon in streams and ground waters of Pennsylvania as a guide to uranium deposits. (GJO – 1659-2) 357476
Kornev, B.F.
Reorientation of M^{2+}-vacancy complexes in potassium-and rubidium chlorides. 361464
Korneva, S.P.
Thermal decomposition reaction of dicyclopentadienyl derivatives of vanadium. 357053
Kornienko, A.A.
To the theory of interactions of impurity center with an external electric field. 356004
Kornienko, L.S.
Kinetics of recombination of hole centers and electrons of admixtures in CaF_2: rare earth ion and SrFr: rare earth ion crystals. (INIS-mf – 3955) 377224
Kornievich, M.V.
On the cross sections of conduction electrons scattering and on the effective charges of components in binary liquid metal alloys. 349494
Popularities of electron transfer of Cd, Hg, Ga, In, Tl, Sn, Pb, Sb, Bi in their binary dilute liquid alloys. 349493
Kornilov, A.N.
Thermochemical study of monoclinic phase of ZrO_2. 359638
Kornilov, B.V.
Semiconductor material for a particle detector. (Soviet patent document 436306/A/) 355538
Kornilov, E.A.
Plasma induction linear accelerator as a source of power high-current ion beams. 376372
Kornilov, G.L.
Tokamak with an intense (higher 100kOe) magnetic field. (INIS-mf – 3954) 361487
Kornilov, I.I.
Tungsten content effect on the mechanical properties of the Ti-3Al-3Zr alloy. 375849
Kornilov, N.V.
Analysis of spectra of inelastic scattered neutrons with initial energy of 9,1 MeV in framework of the exciton model. (INIS-mf – 3897) 356573
Angular and energy distributions of inelastic scattered neutrons with initial energy of 9.1 MeV. (INIS-mf – 3897) 356712
Inelastic scattering of neutrons with initial energy of 9.1 MeV and the parameter of spin dependence. (INIS-mf – 3897) 356574
Neutron detector with gamma-ray compensation for measurements with the time-of-flight method. (FEI – 577) 376607
Kornilov, V.A.
Deuteron disintegration on heavy nuclei and allowance for neutron interaction in a final state . . 377886
Deuteron disintegration on lead isotopes. 377887
Energy dependence on interference phenomena in the $^{11}B+p\rightarrow 3\alpha$ reaction. 375177
Kornilov, V.V.
Cesium hydroxoplatinate. 351494
Korniszewski, L.
An analysis of injuries due to irradiation of keloids with Roentgen rays in children. 373569
Kornjchuk, A.A.
The investigation of boron oxide heat conductivity. 360019
Kornyushin, S.I.
Certain properties of silicon alloyed with gadolinium. 365154
Kornyushkova, Yu.D.
Differential photometric determination of tungsten in chromium-base alloys. 375274
Korobejnichev, O.P.
Automation facility a time-of-flight mass spectrometer for the study on dynamics of fast chemical reactions. 363618
Korobejnikova, A.I.
Participation of taurine in the reduction of hypercorticism effects after irradiation. 373546
Korobejnikova, A.V.
Heat capacity, enthalpy and entropy of lanthanum chromite in the range of 298 to 900 deg K. 369647
Korobka, E.I.
On theoretical basis of ion exchange sorption of trace amounts of vanadium, molybdenum and boron from extraction ortho-phosphoric acid and liquid phosphoric fertilizers. 349307
Korobko, G.P.
Study into possibility of phosphate cationites use for rare earths separation. 357226
Korobkov, S.V.
Investigation and thermodynamic calculation of phase diagram of CdI_2-PbI_2-NaI system. 349302
Korobov, M.S.
NMR study into enanthiomerization kinetics of Zn(2), Cd(2), Pb(2) tetrahedral bis-chelate complexes. 369674
Korobov, P.P.
X-ray radiographic analysis of residual stresses when cutting out or welding up closed-outline pieces. 349958
Korobov, V.M.
Direct measurement of the recoil force arising in electron-beam welding and estimation of gas parameters in the crater. 369873
Korogodin, V.I.
Regularities of radiorace formation in yeasts. Comm.8. The role played by heterozygosis of diploid yeasts in radiorace formation. 352016
Korogodina, Yu.V.
On the probable nature of enhanced radioresistance of the gemmating yeast cells. 362644
Korol', L.N.
Magnetoresistive effect in CdHgTe near the gapless state. 368818
Korol', V.M.
Effect of 5,5 MeV alpha-particles irradiation on characteristics of p-Si ion-doped semiconductor detectors. 380002
Korol'kov, D.V.
Electronic structure of dinuclear chloride clusters of heavy transition elements. 1. 375668
Roentgenoelectronic investigation of some molybdenum oxides. 357023
Korol'kov, V.A.
Electron affinity for alloys of the cadmium-zinc-antimony system. 378682
Work function of electron in the copper-antimony, copper-indium and copper-cadmium binary alloy systems. 378680
Korolev, G.K.
Synthesis and certain properties of $A^2DyB^4NbO_7$ compounds of pyrochlore (3) structure. 351468
Korolev, G.T.
Studies on interaction of lanthanum sesquioxide with mixture of chlorine and carbon oxide. 372974
Korolev, I.A.
Diffusion of helium and neon isotopes in rubidium chloride single crystals. 374718
Korolev, O.S.
Spectrographic observations of the solar radio emission in the range of 93-186 MHz in the Izmiran. 351035
Three-dimensional solution of an ordinary wave and type 1 solar radio bursts. 349011
Korolev, V.D.
System for anode foil changeover in a pulse electron accelerator. 370734
Transport and focusing of high-current relativistic electron beams onto a target. (IAEA – 200) 353515
Korolev, V.G.
Lethal action of ionizing radiation on the chlorella vulgaris cells containing varying dmounts of intracellular cysteine. 349725
Korolev, V.M.
An experimental plant for the investigation of radiolysis in liquid, gas-liquid and gaseous media. 349352
Korolev, V.S.
Radiative capture cross-sections of fast neutrons by ^{197}Au nucleus. (INIS-mf – 3897) 356736
Koroleva, G.A.
Studies on interaction of lanthanum sesquioxide with mixture of chlorine and carbon oxide. 372974
Koroleva, G.N.
Spectrophotometric determination of europium in the presence of other rare earths. (INIS-mf – 4191) 375296
Koroleva, L.I.
Band structure and anomalies of photoconductivity, electrical resistance and magnetoresistance of Cdsub(1-x)Gasub(x)Cr_2Se_4 chalcogenide compound. 368738
Magnetic properties in the vicinity of the Curie point of $CdCr_2Se_4$ doped single crystals. 377162
Koroleva, S.P.
Titanium effect on the spreading of copper alloys over the surface of ceramic materials. 351721
Korop, E.D.
New high-current relativistic electron beam accelerators at the I.V.

Kurchatov Institute of Atomic Energy. (IAEA – 200) 364164
Korosteleva, A.I.
On conductivity mechanism of nitrogen-fixing titanium-molybdenum hydroxide system. 378244
Korosteleva, R.I.
Investigation into catalytic activity of technetium and its dioxide. 373092
Korostil', A.M.
Neutron scattering by crystals in an external alternating field. (KIYI – 76-18) 348813
Korostylev, V.A.
Double ionization chamber for studies on fission fragment spectra. 350288
Fission fragments spectrometry using a pulse current regime in an ionization chamber. (NIIAR-P – 254) 350330
Measurement of prompt neutron spectra of ^{233}, ^{235}U, ^{239}Pu fission with thermal neutrons by relative and absolute methods. (INIS-mf – 3896) 356684
Measurement of the mean neutron yield from fragments of spontaneous fission of ^{252}Cf and thermal fission of ^{239}Pu. (INIS-mf – 3896) 356696
Korotev, R.
Rare earth and trace element geochemistry of a fragment of Jurassic seafloor, Point Sal, California. 349646
Korotev, R.L.
Geochemical modeling of the distribution of rare-earth and other elements in a basalt and grain-size fractions of soils from the Apollo 17 valley floor and a well-tested procedure for accurate instrumental neutron activation analysis of geologic materials. 364885
A well-tested procedure for instrumental neutron activation analysis of silicate rocks and minerals. 375284
Korotkikh, E.M.
Testing of logarithmic neutron-guide on the VVR-M reactor. (INIS-mf – 3895) 355149
Korotkin, Yu.S.
Experiments to produce isotopes of superheavy elements with atomic numbers 114-116 in ^{48}Ca ion reactions. 372801
Synthesis of heavy isotopes of Ku in bombardment of Cm by 0 ions. 349134
Korotkov, A.I.
Experimental facility for measurement of effective cross sections for first kind collisions by the method of double modulation of an electron beam. (INIS-mf – 3915) 350310
Korotkov, A.N.
Metal quality improvement and increasing the efficiency of electroslag smelting. 365130
Korotkov, N.A.
Electron diffraction study of the interaction of thin ruthenium and iridium films with air oxygen. 378647
Korotkov, R.I.
Experimental RBT-6 reactor. 376597
Korotkov, V.A.
Observation of possible production and decay of short-living heavy neutral particles in the SKAT neutrino experiment. 353930
Korotkov, V.D.
Boroaluminizing of titanium alloys and high-alloy steels. (INIS-mf – 4046) 369862
Korotkova, N.V.
Study on deep trap centers in epitaxial GaAs < Cr,W > by the method of thermostimulated capacitor discharge. 348751
Korovin, A.P.
Effect of heat treatment on the lifetime of charge carriers in cadmium telluride. 375830
Study on deep trap centers in epitaxial GaAs < Cr,W > by the method of thermostimulated capacitor discharge. 348751
Korovin, S.S.
Method for preparation of nitrate and chloride solutions of zirconium. (Soviet patent document 460245/A/) 375405
On the interaction of thorium hydroxide with alkaline earth metals- and magnesium hydroxides solutions. 357114
Korovin, V.A.
Flame-photometric determination of boron in waters of APP. 364886
Korovin, Yu.I.
Estimation of efficiency of high-temperature plasma atomizers. 375297
Korovina, V.M.
Determination of metal workability under deformation. 369866
Korp, J.
Crystal structure of $Mn_3[Co(CN)_6]_2.12H_2O$ and $Cd_3[Co(CN)_6]_2.12H_2O$ by neutron and x-ray diffraction. 378212
Korpusov, G.V.
Extraction of alkaline earth elements by carboxylic earth elements by carboxylic acids. 357113
Korpusova, R.D.
Some regularities of praseodymium, neodymium ans samarium separation. 357224
Korsakova, N.V.
Investigation of interaction of zirconium and hafnium with o,o'-dihydroxyazo compounds. 359595
Korschinek, G.
The negative-ion test injector of the Munich MP tandem and the HICONEX 834 sputter source. 357867
Korshak, V.V.
Gamma radiation effect on properties of cardo polyamide based on anilinofluorene and terephthalic acid. 362268
Investigation of ion exchangers with groups of aminoethylphosphonium acids and their derivatives. 378475
Polyimides on the basis of m- and p-carboranylenediamines. 354346
Radiation chemical transformations of some polyarylates by γ-radiation in vacuum. 354439
Radiation-chemical transformations of some polyarylates in air. 354436
The reaction capacities of the acid chloride groups in m- and p-carboranedicarboxylic acid dichlorides. 357028
Korshunov, .N.
Hydrogen overpotential on gallium-indium and indium-mercury alloys. 357068
Korshunov, A.I.
Fine structure of the S-component of solar ratio emission in the frequency range from 4.5 to 7.0 GHz. 364351
Korshunov, A.N.
Study of α reversible γ transformation in cerium and cerium-neodymium alloys in relation to reversible shape-memory effect. 370047
Korshunov, B.G.
Determination of enthalpy and entropy of hafnium monochloride formation. 357014
Vapor pressure above system containing $ZrCl_4$, $FeCl_3$, $MgCl_2$, NaCl, KCl. 357058
Korshunov, I.A.
Investigation into Pr, Nd, Pm complexing in melts of chlorides and nitrates of alkali metals. (INIS-mf – 4193) 375494
On the interaction of uranium(6) and uranium(4) oxides with zirconium pyrophosphate in melts of alkali metal chlorides. Products of interaction (uranium phosphates). 369748
Reaction of certain fragment element oxides with zirconium phosphate in melt of alkali metal chlorides. (INIS-mf – 4193) 375495
Korshunov, L.G.
Studying hardening and structural transformations of steel 110G13 during friction. 373163
Korshunov, V.N.
Overvoltage of hydrogen electrodeposition on certain liquid gallium alloys. 372975
Korshunov, Yu.V.
Display for information output in physical experiments. 371077
Korshunova, T.I.
Measurement of capacity of double electric layer on niobium in nitrate solutions. 378199
Korsukova, M.M.
Possibility of using 'dissolution' method of synthesis and crystallization for preparation of dispersion-hardened composite materials. 375788
Korsunskaya, N.E.
Some specific features of spectra of Auger excitation of photoluminescence and photocurrent in CdS compensated crystals. 368768
Korsunskaya, N.V.
Study on the nature of recombination centers responsible for the luminescence band in the range of 0.95 μm in CdS < Li > crystals. 371633
Korsunskij, A.M.
Viscosity of metal melts and electron-phonon interaction. 365161
Kortelainen, P.
On the economy and optimization of nuclear heat power plants and their heat transport system. 376789
Korten, M.
Experimental investigations of the stability of a belt-pinch to vertical displacements. (INIS-mf – 3963) 371872
Korthals-Altes, C.P.
Spin of the tau-neutrino and suppression of the decay-model tau→γsub(tau)π. 377745
Korthoven, P.J.M.
Some considerations for future instrumentation and software developments in neutron activation analysis. 369530
Kortkhondzhiya, V.P.
Investigation of low pressure discharge in the transverse magnetic field. (INIS-mf – 3255) 350881
Investigation of the interaction of low-frequency electric fields with the ion sound oscillations in confined weakly ionized plasma. (INIS-mf – 3255) 350803
Korukov, N.A.
Correction system for the synchrotron magnetic field decrease index. (JINR – 9-9625) 350094
Korus, J.
The influence of radioactive source and the method of response measurement on the parameters of the electron capture detector. 373953
Koryagina, G.M.
On the effect of different losses on power MHD generator characteristics. 369239
Koryagina, T.I.
Section of Bi_2O_3-$CdGeO_3$ in Bi_2O_3-CdO-GeO_2 system. 351511
Koryakin, I.V.
Rolling of tungsten base cermet in four-roll grooves. 351849
Koryakin, Yu.I.
Energy crisis and uranium energy resources. 350409
Nuclear energy centres and the economic and ecological problems of nuclear power development. 368445
Use of nuclear reactors to produce high-temperature heat for energy-intensive industrial processes. 366129
Koryavko, V.I.
Tokamak with an intense (higher 100kOe) magnetic field. (INIS-mf – 3954) 361487
Korystov, Y.N.
Seasonal oscillations of the radiosensitivity of cells in culture. 349694

Korytina, S.F.
Boron effect on the thermodynamic properties of EhI703 steel. 349444
Korzh, I.A.
Neutron scattering at the energy range 1.5-3.0 MeV by Ni^{64} nucleus. 369490
Scattering of neutrons on even Cr, Fe, Zn isotopes in the energy range from 1.5 to 3.0 MeV. (INIS-mf – 3897) 356809
Using the statistical theory for prediction of cross-sections of neutron inelastic scattering by nuclei. (INIS-mf – 3897) 356618
Korzhak, A.V.
Spectroscopic study of interaction of vanadium oxotrichloride with alcohols. 359641
Korzhavin, V.M.
Magnetic bremsstrahlung in Z-pinch. 348973
Korzhev, N.A.
Relativistic nucleus dosing for two-meter propane chamber. (JINR – 13-10353) 379891
Korzhov, N.P.
Large-scale three-dimensional structure of the interplanetary magnetic field. 372200
Korzhova, L.V.
Performance of ferroprobe transducers under irradiation. 373969
Korzhuev, M.A.
Anisotropy of electric properties of α-GeTe. 374732
Phase transformations in quenched germanium telluride. 375844
Kos, J.F.
Design of gravitational antennae for use at 3 mdegreeK. 352833
Kosaki, Goro
Tumor induction of small intestine in Wistar rats by local x-irradiation. 379026
Kosako, Toshiso
Applications of a lead pile coupled with fast reactor core of Yayoi as an intermediate energy neutron standard field. (UTNL-R – 0039) 368004
A helium-3 proportional counter technique for estimating fast and intermediate neutrons. (UTNL-R – 0038) 368302
Kosakov, I.Kh.
Wide gap spark chamber with mylar walls. 379907
Kosaly, G.
Theoretical investigation of the local and global components of the neutron-noise field in a boiling water reactor. 352629
Kosarev, E.A.
Detection unit of two-channel flaw detector. (Soviet patent document 428326/A/) 370697
Kosarev, L.I.
Automatic radiograph decoding system and technique. 349949
Kosarev, V.D.
Controlled nanosecond delay circuit with small null and dead times. 376696
Kosarev, V.V.
Pieso-Hall-effect in tellurium. 374733
Kosarev, Yu.A.
Fast reactor spent fuels transportation problems. (IAEA-AG – 63-15) 363498
Spent nuclear fuel transport problems. 367947
Kosareva, Z.M.
Increase in the efficiency of beam track filtration with the FILTR program. (JINR – 10-9068) 366217
Kosasa, Hiroshi
Effect of strong Posterisan ointment on rectal injuries after radiotherapy of uterine cervical cancer. 360295
Koschatzky, R.
The structure of the $L_{2,3}VV$-Auger line of silicon and silicon compounds. 356073
Koschmieder, D.
Seismic calculations for underground reactor buildings. (Juel – 1445) 367731
Koschorke, H.
Lab-scale and pilot-plant experiments on the solidification of high-level wastes at the Karlsruhe Nuclear Research Centre. 358483
Kose, V.
Aluminium based resistance alloys for low temperatures. 357341
Koshanov, M.N.
Device for the measurement of a probe immersion depth during radioactive reference mark recording in a borehole. (Soviet patent document 462155/A/) 378864
Koshcheenko, N.I.
Preventive action of ATP on biosynthesis of uridylic nucleotides of uracil in rat tissues after prolonged γ-irradiation. 370338
Koshel, R.D.
Distorted wave calculations for (p,2p) reactions. 372633
Koshel', A.V.
Acid properties of zirconium and hafnium mandelates. 351512
Koshelev, A.A.
Investigating the changes in surface layers of VTZ-1 alloy under cavitation. (INIS-mf – 3914) 349544
Koshelev, I.P.
Application of nuclear geophysics techniques in exploration of holes in the phosphorite fields of the Karatau. 357477
Determination of the main commercial components of the apatite ores in Khibiny using nuclear well logging. 351951
Neutron activation logging for fluorine (NAL – N^{16}). 375992
On the possibility of using activation methods for prospecting of tungsten deposits according to fluorine haloes. 367372
Quantitative analysis for potassium and acid-soluble aluminium. 351952
Koshelev, I.V.
The radiometric enrichment of poor uranium ores. 365115
Kosheleva, T.M.
Mechanism of oxidation-reduction reactions of oxopiperidinium salts and piperidinoxyl radicals with iodides and iodine. 375561
Koshevoy, I.D.
The resonance dechanneling of fast protons in silicon during the axial-to-planar channel transitions. (INIS-mf – 3995) 377168
Koshi, Hiromichi
A 550kV full GIS for the Oi Nuclear Power Station of Kansai Electric Power. 350219
Koshikawa, T.
Formation of altered layer on the sputtered surfaces of Cu-Ni alloy at liquid nitrogen temperature. 368819
Study of preferential sputtering in coevaporated Cu-Ni samples at low temperature. 368792
Koshimizu, L.H.
Treatment of the new uranium mineralization at Campo Agostinho (Pocos de Caldas, Minas Gerais, Brazil). 351947
Koshimizu, S.
Order-disorder transformation in a Fe-Ni (50-50) alloy. 351782
Time variation of amplitude dependent internal friction in plastically deformed crystalline LiF. 350745
Koshiro, Toshimasa
Pressurized water reactor nuclear power training center. 350226
Koshkarev, D.G.
Magnetic field nonlinearity effect on the particle dynamics in the modified ITEP proton synchrotron. (ITEF – 53) 358008
Proposal for construction of superhigh energy proton accelerators. (ITEF – 11) 376388
Reconstruction of a magentic field configuration in a pole gap of an accelerator according to measurement results. 370744
Structure resonances in proton linear accelerators. 363152
Koshmarov, Yu.A.
Studies of structural material degassing in cryogenic vacuum technique. (KFTI – 76-21) 357290
Koshtoev, V.V.
Automatic device for film processing. 350367
Koshurnikova, N.A.
Behaviour of ^{239}Pu and dynamics of morphological changes in the lungs of rats after continuous inhalation of the citrate complex of the isotope. 379100
Kosiancic, E.J.
Fabrication of nuclear fuel pellets of controlled porosity. 355333
Kosik, M.
Dekryptonation thermal analysis of some isothiocyanates. 372962
Kosina, Z.
Filtration method of spectrum unfolding. (INIS-mf – 4143) 374339
Topical problems of storing and processing gamma spectra. (INIS-mf – 4143) 374338
Koski, W.S.
Reaction of Cl^+ with D_2. 366346
Scattering of positive ions by molecules. 361372
Studies in hot atom and radiation chemistry progress report, September 1977. (COO – 3283-23) 377058
Koskinas, G.
Distribution of radioactivity between rock materials and water at Nevada test site. 370269
Kosmac, T.
The influence of isostatic hot pressing on the mechanical properties of Ta(C,N)-Ni based hard metals. (KFK-EXT – 6/77-1) 351834
The influence of VC additions on the sintering of Ta-carbonitride based hard metals. (KFK-EXT – 6/77-1) 351835
Kosmach, V.F.
Formation of disorder regions in silicon affected by high-energy gamma-quanta. 348795
Kosogov, A.A.
Kinetics of molybdic oxide dissolution in alkalines. 354379
Kosogov, O.V.
On the mobility and diffusion length of electrons in p-type indium antimonide. 364049
Photoresponse spectrum of the rediffusion p-n junction in InSb in a magnetic field. 348789
Kosov, A.V.
Section of Bi_2O_3-$CdGeO_3$ in Bi_2O_3-CdO-GeO_2 system. 351511
Kosov, V.F.
Determination of electron temperature and density by an electrostatic probe in a plasma stream at atmospheric pressure. 348874
Kosover, V.M.
Behaviour of platinum metals during pyrometallurgical processing of copper-nickel ores and methods of their extraction. 359608
Kosowicz, J.
Radioimmunoassay of gastrin level in duodenal ulcer, atrophic gostritis and Addison-Biermer's disease. 373763
Koss, D.A.
Influence of Si on precipitation phenomena and age hardening of beta Ti alloy. 357338
Koss, P.
Automatic size analysis of coated fuel particles. 365956, 366061
Kossakowski, S.
Dynamics of iodine uptake by the thyroid in animals irradiated with various X-ray doses. 373613
The efficacy of surface active substances to decontaminate radioactive pollution of animals. 373612
Kosse, A.I.
Switch pulse shaper for a scintillation spectrometer circuit. 358385
Kossev, N.
Uranium determination in biological samples by means of solid state track detectors. 373609

Kost, C.J.
Improvements to the beam properties of the TRIUMF cyclotron. 363199
TRIUMF data interface. 363246
Kost, G.
Automated generation of spectrum-compatible artificial time histories. 373837
Kost, M.E.
Hydride phases in the La-Ni-H system. 349407
Interaction between niobium pentachloride and lithium hydridoaluminate in diethyl ether. 351513
Kosta, L.
Activation analysis – is the necessary method for determination of element traces in standard samples. (INIS-mf – 3994) 378133
Kostadinov, K.
Experience of nuclear power station construction in the People's Republic of Bulgaria. 370922
Kostamis, P.
Serum folic acid and Vitamin B-12 level in elderly. (INIS-mf – 4010) 370486
Kostanovskij, A.V.
Investigation of integral normal emmissivity of materials in the high temperature range with the aid of reflection furnace. 370049
Kostarev, A.I.
On the theorem of equivalence boson fields. 361263
Kostenko, A.I.
Development of a superconducting current element for the "T-10M" facility. (INIS-mf – 3954) 361544
Pulse power supplies based on induction storages. (INIS-mf – 3954) 361545
Kostenko, M.V.
Megaampere current commutation in capacitive storages for thermonuclear reactor power supplies. (INIS-mf – 3954) 361521
Kostenko, V.I.
Variations of H_2O spectrum in the W3 OH. 374925
Koster, J.N.
Report on the set-up of a holographic interferometer. (KFK-EXT – 7/77-1) 376395
Kosterlitz, J.M.
Universal jump in the superfluid density of two-dimensional superfluids. 372341
Kostiala, A.A.I.
Radiometric ear index test as a measure of delayed-type hypersensitivity in the rat. 352162
Kostic, D.
Determination of some trace elements in different organs of normal rats. 369553
Kostic, K.
Determination of some trace elements in different organs of normal rats. 369553
Kostic, L.
Theoretical investigation of the local and global components of the neutron-noise field in a boiling water reactor. 352629
Kosticj, V.
Professional exposure to ionizing radiation some hematological cytomorfological and immunological tests. 370661
Kostik, R.I.
On the asymmetry of selected Fraunhofer lines. 353691
Kostikov, L.E.
Coolant purification system of high-temperature gas cooled reactors. 350237
Kostikov, S.V.
On stage mechanism of hydrogen catalytic oxidation on rare earth oxides. 354351
Reactive forms of oxygen on surfaces of rare earth oxides in low-temperature reactions of catalytic oxidation. 369661
Specific features of formation of O_2^- anion radicals on surface of rare earth oxides. 349255
Kostikov, V.I.
Features of contact interaction of some refractory oxides with carbon. 359637
On the mutual diffusion in the hafnium-tungsten system. 357260
On the stability of heat-resistant oxygen-free compounds in low-temperature plazma. 357346
Production of carbide coatings on graphite. 369850
Some problems of recoil-atom implantation theory. (INIS-mf – 3996) 364050
Study on the phase growth during mutual diffusion in the Hf-W system. 357291
Tungsten interaction with beryllium oxide. 369956
Wetting of plasma coatings with liquid aluminium. 369892
Kostikov, Yu.P.
Influence of SrF_2 and ZrO_2 additives on kinetics of $SrTiO_3$ sintering. 370097
Roentgenoelectronic investigation of some molybdenum oxides. 357023
Some reactions of cadmium selenide epitaxial films with oxygen. 378371
Kostikova, N.M.
Organization of operative data exchange between two "DNEPR-1" control computers. (INIS-mf – 3909) 374098
Kostin, A.I.
Energy and charge composition of nuclear active component of extensive air shower with $N = 10^4$-10^5. 362599
Kostin, A.K.
Investigation of photoelectric currents induced by pulse laser photolysis of trapped electrons in γ-irradiated propanol. 378523
Pulse photoconductivity of γ-irradiated propanol at 77 deg K. 362267
Kostin, B.F.
Search for the $\mu^+ \rightarrow e^+ + e^+ + e^-$ decay. 369380
Kostin, M.D.
Quantum tunnelling and the activated complex theory. 366251
Kostin, V.Ya.
Analysis of γ-ray angular correlations for nonzero spin target nuclei. (KFTI – 75-15) 361996
Analysis of M1 transitions of the analog-antianalog type in ^{27}Al and ^{31}P nuclei. 375122
Angular distribution of gamma rays from the $^{31}P(p\gamma)^{32}S$ reaction. 375185
Electromagnetic transitions between states with a different deformations. (KFTI – 75-15) 361989
Electromagnetic transitions in light nuclei. (KFTI – 75-15) 361997
Fine structure of isobaric analog state in ^{23}Na. (KFTI – 75-15) 361999
Radiative capture of protons by ^{31}P nuclei. 359501
Kostin, Yu.I.
Production of radioactive sodium under working conditions for investigation into petroleum boreholes. 365273
Kostina, T.K.
Investigation of the hydrogen solubility in the Fe-Co-Ni liquid alloys. 357315
Kostina, T.M.
Optical seal based on ceramics of lead zirconate-titanates doped with lanthanum. 370107
Kostka, P.
The effect of resonance production on angular correlations. 353935
Spin-parity analysis of the diffractively produced low-mass Nπ systems in the reaction $\pi^- p \rightarrow \pi^+ (N\pi)^+$ at 16 GeV/c. 369382
Study of the reactions $\pi^+ p \rightarrow \pi^0 \Delta^{++}(1236)$, eta Δ^{++} (1236) and eta'Δ^{++} (1236) at 16 GeV/c. 372526
Kostogonov, V.G.
Structure and some properties of chromium-nickel-manganese steels containing nitrogen after plasma arc remelting. 365146
Kostomarov, D.P.
Energy balance in large tokamak facilities. (IAE – 2494) 371816
Ion temperature determination from fast neutral spectra. (INIS-mf – 3963) 371815
Role of space structure of a feedback system for stabilization of flute oscillations in a rarefied plasma. 348933
Three dimensional code for studying of MHD motion of tokamak plasma. (INIS-mf – 3963) 371802
Kostoski, D.
Solubility and diffusion of sodium in germanium. 370221
Kostromin, P.P.
Wire proportional chambers in an intensive particle beam. 371108
Kostromina, N.A.
Investigation into neodymium complexes with methylmalonic acid by spectrography. 375614
Investigation of complexing in the cadmium (2) – ethylene diamine tetraacetate – water system by the method of proton resonance. 375496
Kostryukov, V.N.
Thermodynamic properties of beryllium hydrooxide. 375489
Kostsov, Yu.A.
System for control of plasma filament equilibrium in the T-10M thermonuclear facility. (INIS-mf – 3954) 361641
Kostuik, J.
Industrial and commercial considerations affecting future uranium supply and demand. 366162
Kostyakov, V.S.
Operational evaluation of ore quality using x-ray radiometric and gamma gamma methods in copper pyrite deposits in the Urals. 351933
Kostylev, D.V.
Mobile biological shielding. (Soviet patent document 401250/A/) 379542
Kostylev, F.A.
Thermodynamic properties of beryllium hydrooxide. 375489
Kostylev, S.A.
Study on the evolution of a switching process during delay time. 348803
Two-threshold switching in glass-like Cu-As-Te-I films. 348802
Kostyrkina, T.D.
Investigation of metal ion extraction by different mixed nonaqueous solvents in the presence of dichloro-chromotropic acid and nitron. 378205
Kostyrko, I.I.
Unified approach calculating masses of charmed states of mesons and baryons with high spins. 369302
Kostyshin, M.T.
Optical constants on the absorption edge of lead iodide. 374626
Kostyuchenko, V.G.
Content of interstitial elements on the surface of molybdenum sheet stratifications. 359904
Kostyukov, N.S.
Dielectric characteristics of solid solutions. (INIS-mf – 4189) 375490
Kostyukova, E.P.
To the evaluation of structure improvement of heat-resistant metal monocrystal. (INIS-mf – 3839) 373220
Kostyunin, V.I.
Effect of preparation technology and deformation conditions on the plasticity of alloy ZhS6KP nigots. 351799
Kosuch, N.
X-ray spectroscopic studies of the electronic structure of the oxyanions NO^-_2, NO^-_3, and CO^{2-}_3. (DESY-SR – 77/14) 353291
Kosuge, K.
Metallic-antiferromagnetism of non-stoichiometric V_2O/sub 3+x/ studied by (^{57}Fe) Moessbauer effect. 365213

Kosugi, H.
JOYO construction and preoperational test experience. 379765
Kosvintsev, Yu.Yu.
Installation for studies on ultracold neutron holding in a large closed vessel. (INIS-mf – 3895) 354011
Installation for ultracold neutron production on the SM-2 reactor. (INIS-mf – 3895) 354010
On application possibility of ultracold neutron wall and magnetic traps for free neutron lifetime measurement. 371114
Transport of ultracold neutrons along cylindrical neutron guides. (INIS-mf – 3895) 354012
Kosyachenko, L.A.
Tunneling and avalanche processes in CdTe electroluminescent diodes. 348804
Kosyak, Yu.F.
Low speed turbines for nuclear power plants. 379564
Kosyakov, V.N.
Redox potentials of the Bk(4)-Bk(3) pair. 369747, 369762, 369763
Kosychenko, L.I.
Investigation and application of some organic phosphorus compounds as reagents in analytical chemistry. (INIS-mf – 4192) 375347
Kosyrev, L.K.
Alloying with nitrogen and denitriding of the complex composition metal bath. 357293
Nitrogen behaviour at steel melting in arc furnaces. 375771
Kot, C.A.
PTA-1 computer program for treating pressure transients in hydraulic networks including the effect of pipe plasticity. (CONF-770807 – 55) 374269
Transient cavitation effects in fluid piping systems. 373995
Kota, J.
Analysis of the complex solar particle event on April 29-30, 1973. 366700
Energy loss in the solar system and modulation of cosmic radiation. (KFKI – 77-52) 356272
Fluctuations of approximatelly 10^{14} eV cosmic rays. (KFKI – 77-51) 356224
Kota, V.K.B.
A study of N=66 even-A nuclei. 349142
Kotake, Eiichiro
Activation cross sections for (n, 2n) reaction on neodymium, samarium, gadolinium and ytterbium at 14.6 MeV. 359503
Kotani, Koichi
Measurement of impurity concentration in sodium by automatic plugging indicator. 361091
Kotani, Toshio
Electron microscopic studies on radiosensitivity of uterine cervical cancer. 354813
Exfoliative cytology in study of radiosensitivity of uterine cervical cancer, (2). 379081
Kotas, P.
Fifteen years of activation analysis in Czechoslovakia. (INIS-mf – 4143) 372885
Selection of optimum channel width in gamma spectrometry. (INIS-mf – 4143) 374340
Kote, F. van
Assessment of the safety situation at the hot laboratories of the Commissariat a l'Energie Atomique (CEA). 360454
Kotecky, R.
Renormalization of nonperturbative functional integral for independent value models. 353103
Kotegov, K.V.
Thermal isomerization of rhenium(5) complex with diethyl phenyl phosphine. 351514
Kotel'nikov, G.A.
Technique for data readout from a multi-channel analyzer. (Soviet patent document 489053/A/) 355617
Kotel'nikov, K.A.
Large area liquid scintillators. 366025
Kotel'nikov, R.B.
Experimental results with carbide fuel rods in the BOR-60 reactor. (KFK-tr – 536) 355481
Technological aspects of fuel production for different power reactors. 368044
Kotel'nikov, V.L.
Device for calibrated electrode burn to evaluate steel brittleness. 360748
Kotel'nikov, V.M.
On the application of radioactive tracers when investigating the wells being drilled or exploited. 375993
Kotel'nikov, V.V.
On possibility of search for potassium deposits from secondary halos using gamma spectrometry in Carpathian fields. 365274
Kotel'nikov, Yu.E.
Dipole plasma in molecular crystals. 377225
Kotel'nikova, G.V.
Measurement of prompt neutron spectrum in spontaneous fission of ^{252}Cf. (INIS-mf – 3896) 356810
Neutron spectra of ^{252}Cf spontaneous fission in the energy range from 0,5 to 7 MeV. (FEI – 575) 349143
Koteles, G.J.
Early detection of radiation-induced cell membrane alterations by lectin-binding. 354780
Kotelkin, A.S.
Conditions for producing tensile adhesion of reinforcing fibers to matrix in plasma semi-products of composite materials. 365127
Kotelyanskaya, L.I.
Extraction of some metals in the form of different-ligand complexes with organic electronegative ligands and diphenyl guanidine. (INIS-mf – 4192) 375358
Mixed ligand complexes of zinc, cadmium and mercury and their analytical using. (INIS-mf – 4191) 375569
Kotelyanskij, I.M.
Attenuation of ultrasound in doped crystals of alumo-yttrium garnet and alumo-magnesium spinel. 355932
Kotenev, B.I.
Ionization gage. (Soviet patent document 449267/A/) 379983
Kotenko, L.P.
Fluctuations and the most probable values of relativistic charged particle energy loss in thin gas layers. 353233
Koter, M.
E.s.r. radiation studies of erythrocyte membrane-haemoglobin interaction. 351995
Kotera, Yoshihide
The study of thermochemical hydrogen preparation, (2). 354329
Kothandaraman, G.
Optically-detected radiofrequency studies of level anticrossings in phosphorescent crystals. 356950
Kothare, V.V.
Experience from the construction and operation of the Tarapur and Rajasthan nuclear power stations. 371003
In-service inspection of Tarapur units No. 1 and No. 2 reactor pressure vessels and primary coolant pressure boundary. 365863
Kothari, L.S.
Neutron diffusion in finite blocks of beryllium. 363392
Neutron thermalization in hydrogenous moderators. 361910
Space- and angle-dependent steady-state thermal-neutron spectra inside finite prisms of graphite. 357413, 372559
Kothari, P.
Some thermodynamic and photovoltaic studies of the uranyl-uranium(IV) system. 354398
Kotilainen, H.
Written comments concerning the different topics of the meeting. (IAEA – 189) 360810
Kotin, A.M.
DNA synthesis in the brain of 13-18 day-old embryos of X-irradiated rats. 376099
Kotkova, G.V.
Rare earth complexes with 1,1'-dimethyl-2,2'-biimidazolyl. 369681
Kotlo, V.N.
Polarization of phosphorescence of symmetric metalloporphyrins. 351595
Kotlov, V.M.
Instrument for radiation detection. (Soviet patent document 414909/A/) 379919
Kotlyarchuk, B.K.
Conductivity type inversion in CdSsub(x)Tesub(1-x) affected by a high pulse of ruby laser radiation. 374763
Kotlyarevskij, D.M.
Study on angular characteristics and multiplicity of secondary particles in cosmic hadron interactions with nuclei at mean energy 400 GeV. 361871
Kotlyarevskij, I.L.
Extraction of platinum metals by alkyl anilines from solutions of chlorination of industrial copper-nickel half-finished products. 362180
Kotlyarova, I.V.
On ferronates of some two-charge cations. 359639
Kotonski, Z.
Alpha-ray spectrometer based on pulse chamber with four electrodes. 368314
Kotorobaj, A.
Topological cross sections of np-interactions in the monochromatic neutron pulse range from 1 to 5 GeV/c. (JINR – 1-8565) 356475
Kotorobaj, F.
FORTRAN text correction with the CDC-1604-A console typewriter during reading a punched card program. (JINR-R – 11-10612) 376855
SMOG programme version for np (E=1-5 GeV) experiment. (JINR – 10-8735) 358603
Kotosonov, A.S.
Hall effect and electric conductivity of pyrolytic carbon specimens deposited at 2000 and 2200 deg C. 360053
Kotov, A.A.
Fission of medium mass nuclei induced by 1 GeV protons. (ZfK – 336) 364735
Technique for measurement of relative cross sections of nuclear fission. (LIYF – 171) 379943
Kotov, A.G.
Determination of radiation-chemical yield of product in dynamic conditions of heterogeneous radiolysis. 373064
Isotope effect during γ-radiolysis of adsorbed ammonia. 373065
Some regularities of ammonia radiolysis on modified silica gel. 373059
Kotov, B.A.
Impurity diffusion in silicon accelerated by ^{60}Co gamma radiation. 374734
Multipurpose facility for measuring spectra of inelastically scattered neutrons in condensed media. (Soviet patent document 278897/A/) 355540
Kotov, G.V.
Study of phase transformation of activator in radiation-coloured crystallophosphor CsBr-In. 373384
Kotov, M.G.
Formation enthalpy of lanthanum and neodymium trifluorides. 359630
On the enthalpy of yttrium trifluoride formation. 369648
Kotov, V.I.
Study on particle production with large transverse moments in

nucleon-nucleon interactions at 70 GeV. (IFVE-SEF/OP - 74-150) 361866
Kotov, V.L.
Features of simultaneous discharge of tungsten with nickel and cobalt. 378317
Kotov, V.V.
Hybrid thermonuclear reactor for fissile material production. (INIS-mf - 3954) 361552
Kotova, L.S.
Cryogenic source of polarized hydrogen and deuterium atoms. 370735
Kotovich, L.I.
Investigation into radiation stability of organic fluoro-chlorine compounds. (RI - 58) 378548
Kotrappa, P.
Human serum albumin microspheres for lung imaging. 373029
Scintiphotography of lungs with dry aerosol - generation and delivery system: concise communication. 373666
Studies on in vivo calibration of a plutonium lung monitor. 371137
Kotsarenko, N.Ya.
On parametric excitation of plasma oscillations in n-InSb. 361453
Kotschak, O.
Image intensifier gamma camera with a position-sensitive silicon strip detector. 355521
Seal for an X-ray window. (German (F.R.) patent document 2513894/B/) 370679
Kotsentska, K.
Systems for power supply, control and synchronization of plasma-focus type experiments. (INIS-mf - 3954) 361498
Kotsev, M.E.
Device for separate radiometric determination of concentrations of radioactive elements. (Soviet patent document 307696/A/) 356986
Kotsin'ski, L.
Systems for power supply, control and synchronization of plasma-focus type experiments. (INIS-mf - 3954) 361498
Kotsonis, J.K.
Dependence of large-momentum-transfer inclusive reactions. 351157
Kotsur, S.S.
Dynamic theory of the phase transition in the ferroelectrics of Basub(x)Srsub(1-x)Nb_2O_6 type. 366429
Kotsyuruba, E.S.
Entropy of melting of $A^2B^4C_2^5$ semiconductors melting according to the type semiconductor-semiconductor. 348771
Kott, J.
Development of WWER type nuclear reactors for heat supply in Czechoslovak conditions. (INIS-mf - 4055) 368143
Kotthaus, R.
Evidence for the F meson. 353947
Measurements of tau decay modes and a precise determination of the mass. 372505
On the origin of inclusive electron events in e^+e^- annihilation between 3.6 and 5.2 GeV. 353772
On the semileptonic decay of charmed hadrons. 356496
Kotthoff, K.
Survey of the state of the German safety study. (AED-Conf - 77-352-001) 365889
Kottke, V.
The influence of nose section and turbulence intensity on the flow around thick plates in parallel flow. 365694
Kottmann, F.
Search for the metastable 2s state in muonic hydrogen. 361331
Kottowski, H.M.
Evaluation of sodium incipient superheat measurements with regard to the importance of various experimental and physical parameters. 368213
Simulation of the thermal fuel/coolant reaction in laboratory tests for water-cooled reactors. 370880
Steady state liquid metal boiling pressure drop characteristics. (CONF-761001 - P4) 362964
Theoretical and experimental investigation of fuel-coolant interactions in a shock tube configuration. (CONF-761001 - P4) 362934
Transient sodium boiling characteristics at pump run down. (CONF-761001 - P4) 362963
Kottwitz, D.A.
Evaluation of temperature coefficients of reactivity for ^{233}U - thorium fueled HTGR lattices. Final report. (EPRI-NP - 222) 352697
Kotze, D.D.J.
Looking at the energy picture. 363692
Koubsky, P.
X-ray sky. 377611
Kouchi, N.
Doppler profile measurements of Balmer-α by electron impact on simple molecules. 358761
Kouki, T.
Three-body forces in nuclear matter from intermediate Δ-states in three-nucleon clusters. 361998
Koukola, V.
Eye protection in electron beam therapy. 379323
Koul, S.L.
Fission track ages of Himalayan muscovites (Kathmandu Valley, Nepal). 354683
Fission track ages of some Himalayan muscovites (Kathmandu valley, Nepal). 354661
Koulkes-Pujo, A.M.
Yield properties of solvated electrons created by the γ radiolysis of hexamethylphosphorotriamide. 359790
Koumvakalis, N.
Low-temperature radiation damage in Mn-doped $RbMgF_3$. 365244
Optical studies and radiation induced defects in pure and Mn doped $RbMgF_3$. 362539
Radiation damage and energy transfer in MnF_2 and $RbMnF_3$ crystals. 357435
Kouno, Teruya
Design of shielded voltage divider for impulse voltage measurement. 350363
Kouptsidis, J.
New techniques for the PETRA vacuum system. 363249
Kouptsidis, J.S.
Design and performance of integrated sputter-ion pumps for particle accelerators. 370749
Vacuum problems of electron storage rings. 370752
The vacuum system of the PETRA electron-positron storage ring. 352421
Kour, B.
Charged particle multiplicity in 400 GeV/c p-nucleus interactions in nuclear emulsion. 372498
Kouri, D.J.
Close coupling calculations of magnetic transitions for He + H_2 in an uncoupled space frame. 368703
Coupled states and infinite order sudden approximations to the body frame wavefunction. 368665
Effects of bound-state approximations on distorted-wave Born approximation and multistep processes in the channel-coupling-array theory. 359415
Factorization and fitting of molecular scattering information. 368638
Infinite order sudden approximation for rotational energy transfer in gaseous mixtures. 366337
Kourkoumelis, C.
The cross section for the production of massive electron pairs and the UPSILON(9.5 GeV) in proton-proton collisions at the CERN ISR. 369367
Study of photons produced simultaneously with the J/psi particles at the CERN Intersecting Storage Rings. 377794
Kourzhim, P.
Radiation vulcanization of polymer film - economical analysis. (INIS-mf - 4194) 376823
Koutchmy, S.
Solar corona, ch. 6. 369135
Koutchouk, J.P.
Operation of the CERN-ISR for high luminosity. 363222
Koutenska, M.
Interaction of tellurium with zinc, cadmium and mercury. 373653
Koutensky, J.
Interaction of tellurium with zinc, cadmium and mercury. 373653
Kouts, H.
Goals, plans, and programs of government research in reactor safety. 360452
Research required for international safeguards. 380127
Kouvel, J.S.
Distribution of magnetic moment in Ni_3Al. 359915
Kovac, I.
Plasma heating and ion acceleration by a relativistic electron beam - REB accumulation. (INIS-mf - 3963) 372046
Kovacevic, K.
Use of photodiodes for neutron dosimetry. 379908
Kovacheva, B.B.
Surface barrier detectors from n-Si, Sn. 371143
Kovacic, E.C.
New directions needed to improve power plant productivity. 363693
Kovacs, I.
Experimental superconducting d.c. and a.c. cables. 360633
Isotope effect in hydogen atom abstraction from substituted phenols by polyvinyl acetate radicals in vinyl acetate. 351567
Kovacs, L.M.
HOTRAN-2. (KFKI - 77-16) 358076
Kovacs, S.J.
Generation of gravitational waves. III. derivation of bremsstrahlung formulae. 363800
Kovacs, S.J. Jr.
Gravitational scattering of zero-rest-mass plane waves. 358654
Kovacs, V.
Activation analysis of trace elements in tomatoes. 372931
Koval, T.M.
Comparison of survival and unscheduled DNA synthesis between an insect and a mammalian cell line following X-ray treatments. 378966
Koval', A.A.
Analysis of γ-ray angular correlations for nonzero spin target nuclei. (KFTI - 75-15) 361996
Angular distribution of gamma rays from the $^{31}P(p\gamma)^{32}S$ reaction. 375185
Electromagnetic transitions between states with a different deformations. (KFTI - 75-15) 361989
Electromagnetic transitions in light nuclei. (KFTI - 75-15) 361997
Fine structure of isobaric analog state in ^{23}Na. (KFTI - 75-15) 361999
Radiative capture of protons by ^{31}P nuclei. 359501
Koval', A.G.
The dissociative excitation of halogen substituted methane by electron impact. 371504
Mass spectrum of secondary ions knocked-out from copper surface by argon ion beam. 364051
Koval', B.A.
Micropattern of emitters surface, working in the electron exploding emission mode. 373221

Koval', L.M.
Oxygen adsorption on the binary V_2O_5-Cr_2O_3 system. 375491
Koval', V.S.
Photoconductivity of CdP_2 single crystals excited by ruby and neodymium lasers. 365006
Koval'chenko, M.S.
Laser-radiation treatment of heat resisting metals and their compounds. 362503
Koval'chuk, A.V.
Action of ionizing electromagnetic radiation on DNA in solution and on white blood cells. 354750
On the relation between the structure and wear resistance of tool steels. 375895
Koval'chuk, B.M.
Development and study on sections of Marx generator for power pulse systems. (INIS-mf – 3954) 361648
Koval'chuk, L.V.
Catalytic activity of zeolite-containing catalysts in cumene cracking. 378318
Koval'chuk, N.D.
Pecularities of the introduction of technetium isotopes into protein molecules using human serum albumin as an example. 373035
Way of obtaining a preparation containing technetium-99m. (Soviet patent document 434945/A/) 362815
Koval'kov, V.M.
Steels and nickel alloys sputtering during deuterium ion irradiation. (INIS-mf – 3954) 361422
Koval'skij, N.G.
A high-power laser system for thermonuclear fusion experiments. (IAEA – 200) 353513
Study of the acceleration of thin metal foils acted on by high-power laser emission. (IAEA – 200) 353518
Koval'skij, V.S.
Application of nuclear geophysics techniques in exploration of holes in the phosphorite fields of the Karatau. 357477
Kovalenko, A.S.
On possibility of use of vanadium (4,5) ions as catalyst of Belousov-Zhabotinskij vibrational chemical reaction. 375609
Kovalenko, D.E.
On evaluation of a probable productivity of sand reservoirs from geophysical well logging data. 354662
Kovalenko, G.D.
Bremsstrahlung spectra for 1 GeV electrons and positrons in silicon, germanium and niobium crystals. 368794
Kovalenko, L.
Erbium bromides-acetamide-water and erbium acetate-selenocarbamide-water systems at 30 deg C. 351464
Kovalenko, S.S.
Some technical aspects of accounting for and control of nuclear material at nuclear fuel cycle facilities in the USSR. 371289
Kovalenko, V.A.
The "Grad-2" facility for ultrahigh vacuum production. (KFTI – 75-10) 357909
The choice opf a facility for the determining of the cryogenic deposit absorptivity. (KFTI – 75-10) 357910
Cryogenic vacuum system of the "Jupiter-2T" facility: project and model experiments. (INIS-mf – 3954) 361549
High-purity preevacuation vacuum pumping. (KFTI – 76-21) 357911
Possible mechanism of generation of solar wind high-speed streams. 369136
Radioprotective action of pantothenic acid (vitamin B_3). 354789
Kovalenko, V.G.
Charged-particle electrostatic analyzer. (Soviet patent document 350395/A/) 379984
Charged-particle spectrometer. (Soviet patent document 409577/A/) 379986
Electrostatic analyzer for charged particles. (Soviet patent document 321165/A/) 379985
Kovalenko, V.I.
On the possibility of simultaneous extraction of particles along several beam lines at the Yerevan synchrotron. (EFI – 176(22)-(76)) 350050
Kovalenko, V.S.
Study on a possibility of alloying the iron surface with molybdenum by means of laser irradiation. 369853
Kovalenko, V.T.
New current pulser in a beam extraction system of the Yerevan synchrotron. (EFI – 181(27)-(76)) 352417
Kovalenko, Yu.A.
Effect of pressure on partial molar volumes of components in $CdCl_2$-H_2O system. 359661
Kovalev, A.I.
Molybdenum thermal conductivity and electrical resistance in the temperature range of 300 to 2600 K. 378663
Kovalev, A.V.
Magnetic ordering in ferroelectric Co-I boracite. 350769
Twinning in orthorhombic phase of Fe-I boracide. 377226
Kovalev, Eh.B.
Effectiveness of geophysical exploration techniques in determination and evaluation of carbonate reservoirs for oil and gas in the Uzbek fields. 375983
Kovalev, I.A.
Nucleate and film boiling heat transfer to saturated liquid helium. 349970
Some problems for constructing of circulation superconducting magnetic systems. (IAE – 2397) 349991
Kovalev, I.M.
Effect of parameters of argon-arc welding with non-consumable electrode on corrosive properties and structure of welds of pipes in steel-12Kh18N10T. 375772
Kovalev, K.S.
Niobium foil – the material for electrolytic capacitors. (INIS-mf – 3839) 367284
Recrystallization diagram of rolled material fabricated of niobium produced by electrowinning. (INIS-mf – 3839) 365174
Some regularities in hafnium oxidation when heated in air. (INIS-mf – 3839) 367142
Kovalev, N.N.
Extra-furnace decarbonization of metal for vacuum induction smelting. 375764
Optical absorption in SrO single crystals. 364139
Kovalev, S.D.
Basic performance problems and prospects for 1200-1500MW gas-cooled fast reactors with dissociating coolant. 365981
Physical and technical aspects of nuclear and chemical safety of nuclear power stations with N_2O_4 gas-cooled fast reactors. 371042
Kovalev, V.N.
Possibilities of enhancing the rolling quality in the course of deformation of high-alloy steel ingots on the roughing mill. 375794
Kovaleva, E.P.
On methods for the operational chemical control of the nitrogen tetroxide coolant. 349172
Kovaleva, I.V.
Spectral luminescent investigation of fluorophosphate glasses activated by rare earths. 378313
Vibration structure of electron spectra of Eu^{3+} ion in inorganic glass. (INIS-mf – 3955) 377321
Kovaleva, T.V.
Paraarylenebisdiiodophosphines. 359640
Kovalevich, O.M.
The principal approaches to the problem of nuclear power plant safety in the USSR. 370612
Kovalevskaya, E.I.
Thermodynamic functions of gaseous rare earth monoselenides of yttrium subgroup. 375850
Kovalevskaya, G.G.
The Keldysh-Franz effect in InP. 374735
Kovalevskaya, T.I.
Changes in the optical properties of silicon nitride,-oxynitride and oxide films following ion irradiation. 370160
Kovalevskij, A.A.
The problem of selection of plasma spraying conditions. 349423
Kovalevskij, V.V.
Intrinsic photoconductivity of indium antimonide crystals with protective films. 374736
Kovan, D.
European Commission goes public in the nuclear debate. 376206
The impact of law on the siting of plants in Italy. 357791
Safety no obstacle to a British PWR. 352254
Urenco opens its centrifugal doors. 367848
Kovan'ko, G.N.
On the relation between the structure and wear resistance of tool steels. 375895
Kovar, D.G.
^{16}O + ^{40}Ca inelastic scattering and the elastic scattering wave function. (CONF-771059 – 5) 378051
Comparison of light- and heavy-ion emission from the ^{12}C + ^{16}O system. 359529
Energy dependence of ^{32}S + ^{24}Mg fusion cross sections. (ANL – 77-60) 378023
Energy dependence of the distribution of reaction strength in the ^{16}O + ^{40}Ca collisions. (ANL – 77-60) 378024
Fusion cross section behavior for light systems. (CONF-770968 – 7) 372784
Fusion of ^{16}O + ^{40}Ca. (ANL – 77-60) 377995
Inelastic scattering of ^{16}O on even-Ca isotopes. (CONF-770968 – 6) 372808, 378050
Microscopic-macroscopic features in fusion reactions involving light systems. (CONF-770927 – 3) 372783
Systematics of O + Mg fusion. (ANL – 77-60) 378066
Kovar, Z.
Gonadal dose to Slovak population from natural external irradiation. 367837
Kovarskij, A.P.
Circuit for changing voltage polarity of the power supply for the MI-1305 ion mass spectrometer. 376702
Kovatschev, D.
Radioactivity studies on Danube water and fish in the Bulgarian section of the Danube from 1964 to 1974. 357517
Kovba, L.M.
High-pressure phases in the PbO-UO_2-O_2 system. 351608
Investigation of Nb_2 – TiO_2 – ZrO_2 quasi-ternary system. 365211
On the investigation of UO_2-MoO_3-WO_3 system. 359738
X-ray study of barium tantalate $Ba_3(TaO_4)_2$. 378366
X-ray study of binary lithium praseodymium sulfate $LiPr(SO_4)_2$. 378401
Kovbasyuk, V.I.
On the effect of different losses on power MHD generator characteristics. 369239
Kovel'slaya, G.E.
Activation analysis of Dzhezkazgan rock mineral samples. 359544
Kovenskij, I.I.
Study on self-transport in pure molybdenum. 369967
Thermal cycling effect on the thermoelectromotive force of some alloys. 349478
Kovesi Domokos, S.
Algebraic approach to the quark problem. 361777

Kovgan, L.N.
Some properties of vanadyl tungstate. 351579
Kovin, V.M.
Fast nuclear reactor. (US patent document 4,048,011/A/) 374254
Kovnatskij, E.F.
Instrumental neutron-activation analysis of standard samples of rocks and soils. (INIS-mf – 3994) 378134
Kovrazhkin, R.A.
On proton sources of the day auroral zone. 378906
Kovrigin, B.S.
Method for definition of the local flux density of fast monochromatic neutrons. 371111
Program for preliminary processing of the time-of-flight spectra of elastic and inelastic scattered fast neutrons. (INIS-mf – 3897) 356680
Kovrizhnykh, L.M.
On stationary Langmuir spectra in an inhomogeneous plasma. 356129
Kovrygina, L.M.
Energetic electron dynamics of the Earth radiation belts during magnetic storms. 357550
Kovshevny, G.G.
Fission of medium mass nuclei induced by 1 GeV protons. (ZfK – 336) 364735
Kovshevnyj, G.G.
Technique for measurement of relative cross sections of nuclear fission. (LIYF – 171) 379943
Kovtun, A.P.
Size fluctuations of work function for small clusters of metals. 374730
Kovtun, N.M.
Effect of Dy^{3+} ions on transitions into atiferromagnetic state in substituted orthoferrites. 358868
Magnetic field effect on critical behaviour of $FeBO_3$ weak ferromagnet susceptibility. 374699
Nuclear magnetic resonance investigation of spin reorientation phase transitions in Yttrium-Terbium ferrite garnets. 355962
Relaxation of NMR signal near the point of reorientational phase transitions of the second type in rare-earth orthoferrites. 355941
Study on spin-reorientation phase transformation in samarium ferrite garnet by static and NMR methods. 350713
Kovtun, V.A.
Tritium-titanium targets for nuclear physical research. 360570
Kovtunenko, I.S.
A commutation block for data output to a digital printer. (KFTI – 75-15) 361093
Kovtyukh, A.S.
Proton component of the Earth radiation belts according to measurements on "Molniya" satellites. 357537
Kovyazina, L.I.
Anodic processes in an EDTA electrolyte for cadmium plating. 349244
Kovyl'nikov, V.N.
Some problems in ultracold neutron physics. (INIS-mf – 3895) 355493
Kowaka, Masamichi
Alloy SCR-3 resistant to stress corrosion cracking. 367180
On the prevention of stress corrosion cracking in nuclear power plants. 350205
Kowal, K.
Disc-Donut-Tube wear test report, Phase I. (TID – 27816) 379773
Kowalczyk, B.
Determination of rare earths by atomic absorption spectroscopy. 375298
Kowalczyk, J.
Some aspects of analytical chemistry of rare earth elements. 372886
Kowalczynski, J.K.
A few properties of a certain class of degenerate space-times. 371398
Metric and Ricci tensors for a certain class of space-times of D type. 371399
Kowale, B.N.
In vitro incorporation of palmitate-1-^{14}C into liver lipids of rats fed Bengal gram (Cicer arietinum) protein at different dietary levels. 352110
Kowalewski, L.
Infrared absorption in thin film of hydrogen-bonded ferroelectrics. 364052
Kowalewsky, H.
Correlation and applicability of different leak test methods. 350024
Kowallik, B.R.
Radiation shield for the area of the reactor pressure vessel flange. (German (F.R.) patent document 2514312/B/) 355320
Kowalska, E.
Preparation method of standard plastic scintillators on the base of polystyrene with improved light output. (INR – 1588/15A/D/B) 376636
Kowalska, M.A.
E.s.r. radiation studies of erythrocyte membrane-haemoglobin interaction. 351995
Kowalski, D.
Effect of X-rays irradiationon the biological activity of H-2sup(d) glycoprotein. 354746
Kowalski, K.L.
Minimally coupled N-particle scattering integral equations. 351174
Kowalski, S.
Plasma-focus dynamics investigations by means of multiframe interferometry and shadowgraphy. (INIS-mf – 3963) 371812
Kowalski, S.W.
Transverse electron scattering from ^{39}K. (INIS-mf – 3946) 349139
Kowaluk, E.
Breast neoplasms in women treated with x-rays for acute postpartum mastitis. 362708
Kownacki, J.
A 4 ns high-spin isomer and a possible quadrupole-octupole coupling in ^{149}Sm. (ZfK – 336) 364798
Koyama, A.
Defect structures of slightly reduced semiconducting rutile as observed by the channelling method. 370246
Koyama, Akio
Contribution of directly excited electrons to the secondary electron emission from Al by high energy proton or α-particle bombardment. 354023
Koyama, H.
Nuclear orientation of Bi isotopes in a ferromagnetic BiMn compound. 356005
Koyama, Hiroaki
Radiochemical management of reactor coolant. 350206
Koyama, K.
Auger neutralization of ions at solid surfaces. 368820
A built-in potassium getter for the scintillation proportional counter. 379909
Mock-up experiment and analysis for the primary shield of the N.S. MUTSU. 368262
Radiative electron capture by backscattered ions from solid surfaces. 371634
Koyama, Katsuji
$^{12}C(p, t)^{10}C$ and $^{12}C(p, {}^3He)^{10}B$ reactions at Esub(p)=51.9 MeV. 354277
Observation of very soft x-ray and extreme ultra violet ray with ASTRO-B. 353698
Proportional scintillation counter for measuring space x-ray. 355535
Semiconductor detector for x-ray in the space. 361041
Koyama, Kenichi
Magnetic instability of Nb48%Ti single core short sample in the changing magnetic field. 358993
Koyama, Kinji
A method of the sensitivity analysis of build-up and decay of actinides. (JAERI-M – 7153) 366947
RADHEAT-V3, a code system for generating coupled neutron and gamma-ray group constants and analyzing radiation transport. (JAERI-M – 7155) 380152
Two-dimensional shielding benchmarks for iron at YAYOI, (1). (UTNL-R – 0032) 366910
Koyama, Mutsuo
Precision of neutron activation analysis for environmental biological materials. 359554
Koyama, Nori
Rectal injuries following radiation therapy. 360286
Koyama, Takaichi
Manufacture and installation experience of pressure vessel for the prototype heavy water moderated boiling light water-cooled reactor 'Fugen'. 368191
Koyama, Tsuyoshi
Rectal injuries following radiation therapy. 360286
Koyanagi, Taku
Temperature effect on the concentration of radionuclides by marine organisms. 349790
Koyano, Kinko
The application of the spin trap, phenyl t-butyl nitrone, to the study of the γ-radiolysis of cyclohexane. 359782
Koyano, Nobumitsu
Unfolding of neutron critical scatterings. (KURRI-TR – 149) 354008
Koz'min, A.P.
The principal approaches to solving the problem of radiological safety in planning hot laboratories and experimental devices. 360701
Koz'min, G.V.
Depth distribution of the absorbed dose of external γ-irradiation in domestic animals. 370688
Kozachok, I.A.
Effect of the depth of occurrence of oil and gas collectors on their neutron moderation properties. 357478
The effect of thermodynamic conditions on the neutron-moderating characteristics of water-bearing reservoirs. 354663
Estimation of the borehole effect on the stationary distribution of epithermal neutrons in a borehole-stratrum model. 351932
Neutron moderation length in deep waterbearing reservoirs. 367377
Kozal, H.
Radioimmunoassay of gastrin level in duodenal ulcer, atrophic gostritis and Addison-Biermer's disease. 373763
Kozanecki, A.
Photoluminescence in CdS irradiated with high-energy electrons. 370209
Kozanecki, W.
Observation of elastic neutrino and antineutrino scattering and parity violation in the weak hadronic neutral current. 353995
Kozaryn, I.
Changes in the pharmacodynamics and pharmacokinetics of psycholeptic drugs in radiation-sickness. Effect of X-ray radiation on pharmacodynamic activity of nitrazepam in animals. 373548
Kozelsky, P.
Nonferrous metal determination in steels and slags by neutron activation analysis. (INIS-mf – 4143) 372843
Kozenitzky, I.
Technetium-99m-pyridoxylideneglutamate in jaundiced patients.

354947
Kozhakhmetov, S.M.
Composition and pressure of the vapor over zinc and cadmium sulfides. 367131
Kozhan, T.M.
Anti-Stokes luminescence of (GdEr)OCl and (GdErYb)OCl systems. (INIS-mf – 3955) 377237
Kozharina, T.P.
Study of phase diagram of $GeTe-As_2Te_3$ system. 375395
Kozhemyakin, V.A.
Determination of enthalpy and entropy of hafnium monochloride formation. 357014
Evaluation of detection efficiency of Si(Li) detectors in the 0.05-1.25 MeV gamma radiation energy range. 379910
Vapor pressure above system containing $ZrCl_4$, $FeCl_3$, $MgCl_2$, NaCl, KCl. 357058
Kozhevnikov, P.V.
Investigation of thorium hydroxopropionates. 365016
Kozhevnikov, V.F.
Density and enthalpy of liquid alkaline metals at pressures up to 1500 bar. 349543
Density of caesium at high pressures and high temperatures. 375904
Kozhevnikova, T.A.
The effect of antiferromagnetic transformation on the Cr – 4% Co alloy optical properties. 349508
Kozhina, I.I.
Interaction of scandium trichloride with molten sodium chloride or potassium chloride. 349202
Phase diagram of the $ScCl_3$-NaCl-KCl system. 349310
Kozhogulov, O.Ch.
Dynamics of dislocations in alkaline haloid crystals with bivalent impurities. 366487
Kozhokaru, V.
Probability of fission of ^{232}Th induced by μ mesons. 349136
Kozhuharov, C.
delta rays from K-shell ionization induced by heavy ions. 358768
Kozhuharov, Ch.
Positron production in superheavy ion-atom collision systems. 376966
Kozhushner, M.A.
On a possibility of polarized ion beam production. 363282
Kozier, K.S.
Nucleon separation and pairing energies, decay energies and atomic masses for $68 <= Z <= 72$. 359523
Precise atomic masses and mass differences for W and Re. 356877
Precise single neutron separation energies of Ti, Fe, and Zn. 356694
Kozijchuk, S.A.
Investigation into electrical and physical properties of superconducting vanadium films. 359947
Kozik, M.
Autoradiographic studies on incorporation of ^3H methionine into the brain. 365469
Kozima, Hideo
Nonlinear resonance phenomena of plasma oscillations by parametric excitation. 366580
Kozin, A.I.
The role of inelastic processes in the displaced atom production under irradiation of materials by neutrons and charged particles. (INIS-mf – 3996) 364042
Kozin, L.F.
Investigation of indium electrochemical behaviour in bromide solutions by the method of impedance. 354347
Kinetics and mechanism of indium ionization on disk-ring electrodes in chloride solutions. 349245
Kozin, V.P.
Channels for vacuum ultraviolet radiation extraction from the N-100 storage ring. 370747
Kozina, G.P.
The calculation of energy spectra of primary knock-on atoms at the proton elastic scattering by the nuclei of different elements. (KFTI – 76-45) 377287
Kozina, G.V.
Ferrocene-reagent for photometric and atomic absorption determination of some elements. (INIS-mf – 4192) 375363
Kozina, T.M.
Investigation and calculation of phase diagram of $NaNO_3$-$CsNO_3$-$Pb(NO_3)_2$ system. 349301
Kozinets, G.I.
A study of recording possibilities of emulsions in autoradiography conditions. 368276
Koziol, J.J.
Materials surveillance program for C-E NSSS reactor vessels. (IAEA – 202) 376468
Kozis, E.V.
Neutron diffraction investigation of the atomic magnetic structure of iron-nickel invars. 368790
Kozlenko, A.A.
Polarographic properties of 12-tungstogermanic acid and determination of germanium in semiconductor alloys. 367037
Kozlov, A.A.
Distinction of phosphate generations in phosphorites of the weathering crust with the aid of f-radiography. 375994
Kozlov, A.G.
Anion-exchange affinage of plutonium and neptunium during extraction reprocessing of WWER spent fuel elements. 359839
Kozlov, A.P.
On disoriented zones in gliding deformed (295)sub(A)-martensite crystals of the Fe-31Ni alloy. 378294
Kozlov, B.G.
Pulsed fractional-integer frequency multiplier. 376714
Kozlov, Eh.V.
Order-disorder transformation and the ordered state stability. 373222
Order-disorder transformation in a Ni_3Mn alloy of stoichiometric composition. 378664
Kozlov, G.G.
Determination of lead and zinc in polymetallic ores by x-ray radiometric method using incoherent scattered radiation. 351934
Operational evaluation of ore quality using x-ray radiometric and gamma gamma methods in copper pyrite deposits in the Urals. 351933
Kozlov, L.L.
Effect of gamma irradiation on activity of modified by metal ions aluminium silicate catalyst in cracking and polymerization reactions. 373090
Kozlov, N.I.
Aspects of nuclear safety at power plants and fuel cycle plants in the USSR. 370582
Kozlov, N.N.
Fabrication of welded pipes of the KhN45Yu alloy. 375776
Kozlov, O.V.
Investigation of the photomultiplier sensitivity to gamma quanta. 371115
Kozlov, P.M.
Transformation of austenite into martensite during cycling deformation. 349469
Kozlov, R.A.
Effect of alloying elements on the hydrogen embrittlement of medium-alloy deposited metal. 369863
Kozlov, S.F.
Device for nuclear radiation detection in agressive media. (Soviet patent document 273884/A/) 355541
Kozlov, S.I.
Approximate method of calculation of electron kinetics in disturbed ionosphere on altitudes higher than 100 km. 376044
Semiautomatic system for measuring the magnetic field of an isochronous cyclotron. (JINR – 9-9545) 367963
Kozlov, S.M.
Heat transfer in helium-1. 360597
Kozlov, V.A.
Photoproduction of π^0 mesons on hydrogen at 320 MeV energy. 375058
Kozlov, V.D.
An acceleration evaluation of the performance of the Soviet-French wide-gap spark chamber for gamma-ray astronomy. 368266
Lattice phonon spectrum of zirconium dioxide and solid solutions on their base. 348857
Kozlov, V.F.
Certain problems of radiation safety at nuclear power plants based on WWER-440 reactors. 357823
Diffusion processes in titanium-iron and titanium-iron-carbon systems. 375851
Kozlov, V.I.
Cosmic ray flares and short-period variations of intensity. 356273
Electrical preparation of dielectric films on indium arsenide. 362214
Kozlov, V.M.
Evaluation, prediction and regulation of population exposure doses in connection with nuclear power plant operation in the USSR. 367758
Solutions to the problems of radiation safety and evironmental protection in connection with the handling of radioactive waste at nuclear power stations in the USSR. 368464
Kozlov, V.T.
Development of radiation-chemical technology for production of rubber products using electron accelerators. (INIS-mf – 4194) 376286
Kozlov, V.V.
Synthesis of aryl diazonium molybdoiodates. 357060
Kozlov, V.Ya.
Experience of operation of channels with uniflow generation of steam in the first APS reactor. 350238
Kozlov, Yu.D.
Economical aspects on radiation hardening of paint coatings. (INIS-mf – 4194) 376334
On the main directions of investigation into the reliability of radiation sources used in radiation-chemical units. 357869
Operation experience of the industrial high-voltage "Electron" type accelerators and prospects for their modification. (INIS-mf – 4194) 376347
Progress in developing radiation-chemical plants with electron accelerators. (INIS-mf – 4194) 376374
Study on reliability of electron accelerators by the Monte Carlo method. (INIS-mf – 4194) 376376
Kozlov, Yu.I.
Two-channel cryostat for investigation of optical absorption on the UR-20 spectrophotometer. 370722
Kozlov, Yu.V.
Large scintillation counters on the base of polymers for low-background detector protection from cosmic rays. 350346
Kozlova, M.A.
Heritability of uv-sensitivity and photo-reactivation ability in Drosophila embryos. 373555
Kozlova, M.I.
Phase composition and properties of nitrided layer of low carbon stainless steels. (INIS-mf – 4046) 369920
Kozlova, T.I.
Investigation into interaction of CO_2 molecules with zeolites by

infrared spectroscopy. 349225
Kozlova, V.A.
Cathodic process during ruthenium electrodeposition. 351564
Kozlovich, L.I.
Seasonal oscillations of the radiosensitivity of cells in culture. 349694
Kozlovskij, E.V.
Thermodynamic characteristics of formation of hafnium complexes with fluoride ion in aqueous solution. 359709
Kozlovskij, I.V.
Diffraction approximation for taking into account nucleons and recoil nuclei interaction in the $^{12}C(e,e'N)$ reaction. 375141
Kozlovskij, L.V.
EPR-spectroscopic investigation of the valent state of Ti and Mn ions in the glass phase of 22KhS ceramics. 357364
Kozlovskij, V.N.
Biochemical changes in the blood in patients with radiation disease. 349763
Kozlow, S.F.
Nuclear radiation detector. (German (F.R.) patent document 1945885/B/) 376638
Kozlowski, M.
Low mass models for Al Velorum stars. 372154
The statistical Knock-on model for the (nucleon, alpha) reaction. 354225
Kozlowski, T.
Pre-equilibrium particle emission after the nuclear muon capture. 354079
Kozodaev, A.M.
Combined operation of the I-2 injector into three beam extraction channels. (ITEF – 34) 376371
System of pulsed magnetic commutation of a beam in the I-2 linear accelerator. (ITEF – 52) 376375
Usage of the I-2 linear accelerator in applied studies. (INIS-mf – 4194) 376353
Kozub, R.L.
Partial widths and gamma-ray decay of the 2883- and 5037-keV levels in ^{41}Sc. 351383
Kozub, V.I.
On the study of impulse nonlinearity of a short-wave sound propagation in conductors. 348805
Kozubskij, Eh.V.
Technique for light collection in Cherenkov or scintillation counters. (Soviet patent document 436312/A/) 350368
Kozuchowska, I.
Influence of haemodynamic disturbances caused by acceleration on distribution of ^{125}J-albumin in eyes of experimental animals. 367701
Kozuh, J.
The current state of the art of sodium and potassium analysis. 368231
Kozyavkin, A.A.
Manganese effect on the chromium distribution in underscale layer of iron-chromium manganese alloy. 349507
On high-temperature oxidation of the Fe-Cr-Mn alloy underscale layer. 375868
Kozynda, Yu.O.
Consideration of well conditions in interpretation of gamma spectral logs. 360154
Continuous recording of uranium and thorium equivalent concentrations in gamma spectral logging. 360147
Stabilization of spectrometers energy scale by gamma reference point in sampling radioactive ores. 360167
Kozyrev, V.I.
The behaviour of uranium and thorium in the process of formation of granitoids of Vanch-Yargulem complex (The Central Pamirs). 357438
Kozyrkin, B.I.
Saturated vapor pressure of alkoxy-compounds of niobium and tantalum. 351509
Kozyrskij, G.Ya.
High-temperature properties of eutectic alloys with titanium diboride. 378732
Structure and tensile properties of niobium-zirconium nitride alloys. 349440
Kozyura, A.K.
Antitoxic function of the liver in the early and remote periods after the action of radiation of different types. 370339
Kraan, W.H.
Analysis of the magnetic domain structure of electrodeposited nickel studied by neutron depolarization. 353455
Krabowski, R.A.
Reversed-field pinch reactor (RFPR). 377417
Krachino, T.V.
Spectral emissivity of a zirconium carbide-rhenium system. 364074
Kracik, B.
Anticompton gamma spectrometer proposed at the Institute of Nuclear Research, Czechoslovak Academy of Sciences. 355488
JINR investigations of nuclei far-away from the region of beta stability. 366960
Kraegeloh, E.
Deformation under one- and multi-axial loads. (AED-Conf – 76-747-002) 355227
Kraemer, H.
The development of the HTR direct cycle. 379687
Development of the HTR-gas turbine cycle in Germany. 379686
Kraemer, W.
Experiment recalculation using the thermohydraulic analysis code THELKA. 370583
Kraemer, W.P.
Comparison of classical mechanics and the coupled states approximation for Li^+ -CO scattering on an ab initio calculated CI potential energy surface. 371536
Kraetschmer, W.
Lunar and meteoritic mineral track detectors and the composition of the galactic cosmic radiation. 366715
Kraetzig, W.B.
Present state of the safety concept of natural-draught cooling towers. 368021
Supporting behaviour of natural-draft cooling towers under special consideration of mining influences. 365807
Kraeva, L.N.
Changes in the ATP-ase. Activity of tissues caused by combined irradiation of the organism under thermal stresses. 379029
Kraevoj, S.Ya.
Gamma induced chromosomal aberrations in meristem cells of cotton hybrids and their parental forms. 362651
Kraevskij, M.V.
Spectrochronograph for studies into kinetics of semiconductor luminescence. 348777
Krafczyk, G.
Normalized small-y cross sections for neutrinos and antineutrinos at high energy. 359333
Rate of dimuon production from neutrinos and antineutrinos at high energy. 366880
Krafft, G.
A reciprocating liquid helium pump used for forced flow of supercritical helium. 376321
Kraft, G.
Characteristic and quasimolecular X-rays from collision systems with $Z_1+Z_2=133, 134$ under single and multiple collision conditions. 353292
Use of refractory metals with additives in oxygen stabilizing elements as wall materials for heater tubes. 354530
Kraft, O.E.
Angular distributions of gamma rays emitted in the analog decay of ^{61}Cu. 359502
Angular distributions of gamma rays from decay of ^{63}Cu analogs. 375186
Gamma decay of ^{59}Cu resonances. 375187
Kraft, R.
Creep-burst studies on the behaviour during LOCA of Zircaloy-4 cladding tubes in argon and water vapour. 370838
Investigation of the high temperature steam oxidation of zircaloy 4 cladding tubes. (KFK – 2435) 357299
Kraftick, K.A.
Design and simulation of the first blanket zone of the DEMO fusion device. (ORNL/MIT – 246) 356131
Kraftmakher, G.A.
Natural antiferromagnetic resonance in domain walls of thulium orthoferrite near the reorientation temperature. 368821
Kragh, P.
Absorption of X-rays with Roentgen diagnostic energies in thermoluminescence dosemeters. 355542
Dose values at the ovaries for sagittal irradiation equipment in X-ray pictures using a standard phantom. (STH – 16/76) 365637
Krah, W.
Influence of plastic deformation on superconductivity of vanadium and niobium. 356362
Krahl-Urban, B.
Dipole moments associated with edge atoms; a comparative study on stepped Pt, Au and W surfaces. 362374
Krainskij, I.L.
Study of plasmon excitation at oblique incidence of intermediate energy primary electron beam in reflection experiments. 374686
Kraitor, S.N.
New methods for measuring neutron spectra with energy from 0.4 eV to 10 MeV by track and activation detectors. 363558
Krajchik, M.M.
Device for calibrated electrode burn to evaluate steel brittleness. 360748
Krajewska, B.
Evaluation of effectiveness of irradiation of scar after radical mastectomy in patients with breast cancer. 354810
Krajicek, J.E.
Exxon Nuclear Company ECCS evaluation of a 2-loop Westinghouse PWR with dry containment using the ENC WREM-II ECCS model. Large break example problem. (XN-NF – 77-25) 365571
Krajnev, M.B.
New effects in 11 year modulation of galactic cosmic rays. 356201
Krajnova, I.F.
Thermal conductivity of liquid sodium-potassium alloys. 359948
Krajnova, Z.I.
Corrosion resistance of nickel compositions with sesquioxides of rare earth elements in water. 362310
Krajzl, J.
Method of preparing 2-acetylsuccinic acid diethylester. (Czechoslovak patent document 156388/B/) 369793
Krakovyak, M.F.
Ultrasonic testing of large-diameter pipes and blanks. 357225
Krakowiak, W.
Some effects of ionizing radiation on aqueous solutions of thiamine. 375722
Krakowski, R.A.
Fast liner proposal. (LA – 6707-P) 361625
Thermal Shock Experiment (TSEX): a "proof-of-principle" evaluation of the use of electron beam heating to simulate the thermal mechanical environment anticipated for the first wall of

the Reference Theta-Pinch Reactor (RTPR). (LA – 6861-MS) 356080
Kral, J.
A new system of deuterium pressure regulation in ion sources. 355073
Krall, K.R.
The effect of nonlinear conduction on the cooling of flare loops. 372201
Krall, N.A.
Anomalous transport in high-temperature plasmas with applications to solenoidal fusion systems. 348902
A simple neoclassical point model for transport and scaling in EBT. 348923
Kralova, M.
Application of ^{15}N in horsebean field experiments. 379148
Kralovec, J.
Development of WWER type nuclear reactors for heat supply in Czechoslovak conditions. (INIS-mf – 4055) 368143
Kram, I.
Inductive accelerators-betatrons OSTRON type produced by ZRUP Przibram. (INIS-mf – 4017) 374068
Kram, J.
Czechoslovak – made betatrons for medical applications. 379377
Kramar, J.
Sputtering and deposition of condensed matter in the low-pressure-discharge. 364053
Kramar, U.
The bearing of trace element distribution patterns of deep sea basalts for the interpretation of their genesis. 372917
Kramarenko, A.I.
Collimation diaphragm fastener. (KFTI – 75-15) 360659
Kramarenko, V.A.
Arrangement for study of π^0-photoproduction on ^4He nuclei. 379852
Investigation of a 90-channel Pb glass Cherenkov hodoscope. 358336
A study of the spectrometric characteristics of the 49B type photomultipliers. 376605
Kramarovskij, Ya.M.
Determination of neutron mean number on fission event of ^{252}Cf. (INIS-mf – 3896) 357875
Radioactivity and Universe evolution. 351036
Transactinium elements in the evolving Universe. 359064
Kramer-Ageev, E.A.
Comparison of variations in electrical properties of silicon irradiated with neutrons from a reactor and with 14.5 MeV neutrons. 348799
Specific features of recombination on complex radiative defects in fast neutron irradiated silicon. 348806
Technique for measuring the rate of defect formation in semiconductor materials under neutron irradiation. (Soviet patent document 440104/A/) 350369
Use of semiconductor detectors for dosimetry in intense neutron and gamma fields. 376639
Kramer, D.
ASTM activities in the simulation of radiation effects. 360811
Kramer, J.M.
Progress in modeling carbide and nitride fuel performance in advanced LMFBRs. 379733
Kramer, L.
Effect of phosphorus on the ^{90}Sr balance in man. 365459
Kramer, N.A.
Final report on TREAT Test R3, a single-pin loss-of-flow experiment. (ANL – 77-54) 379251
Summary and evaluation of R-series loss-of-flow safety tests in TREAT. (CONF-761001 – P4) 363018
Kramer, R.
Decision making about nuclear energy, ch. 2. (INIS-mf – 4221) 380166
Storage of radioactive waste in salt caves. (INIS-mf – 4221) 379210, 379232, 379568, 380053, 380077, 380166
Kramer, W.
An in-pile sodium loop for investigation of local cooling disturbances in LMFBR's. 374279
Reactor safety, instrumentation and environmental effects. (KFK – 1277/2) 370622
Kramerov, A.Ya.
The principal approaches to the problem of nuclear power plant safety in the USSR. 370612
The safety problems of nuclear power plants with channel-type, graphite, boiling-water reactors. 370875
Krammer, M.
A possible identification of chi(3.45) with a 'time-like' canti c excitation. 356441
Two gluon jets from Upsilon'(10.0). (DESY – 77/75) 377746
Two-gluon jets from UPSILON' (10.0). 372447
Kranc, M.C.
Boron labeled rabbit anti-rat fibrin and goat anti-rabbit gamma globulin antibodies and their potential for slow neutron capture therapy of tumors. 357578
Krane, K.S.
Angular correlation study of the levels of ^{97}Nb populated in the decay of ^{97}Zr. 378025
E2.M1 Multipole mixing ratios in odd-mass nuclei, 59< or =A< or =149. 351384
Krankota, J.L.
Carbon transport and material property degradation in a model of the Clinch Breeder Reactor secondary sodium system. (CONF-760503 – P2) 352763
Krannich, R.S.
Public attitudes toward nuclear generating facilities: positive. 367771
Kranys, M.
Relativistic elasticity of dissipative media and its wave propagation modes. 355788
Kranz, R.L.
Critical dilatant volume of rocks at the onset of tertiary creep. 365275
Krapchev, V.
Waveguide array excitation of lower hybrid fields in a tokamak plasma. 374830
Krapf, S.G.
Non-Boltzmann distribution of free electrons under high space charge conditions. 353293
Krapiv kina, T.A.
Voltammetric determination of palladium using carbon-paste electrode. 372887
Krapivin, M.I.
On the possibility of thermal neutron detection by cadmium telluride detectors. 379958
Krapivskij, E.I.
Application of gamma neutron logging for search of ore bodies buried under alluvium. 354655
Characteristics of small-sized scintillation detectors for neutron logging. 365257
Device for X-ray radiometric analysis of rocks. (Soviet patent document 495591/A/) 356951
Krappe, H.J.
On the time scale of charge equilibration in heavy-ion reactions. 369410
Krasavin, I.A.
New possibilities of yttrium, europium, samarium and gadolinium determination by luminescent method. (INIS-mf – 4192) 375229
Krasavin, V.V.
Spectral transformation of radiation in lanthanum chloride monocrystals activated by praseodymium and neodymium. (INIS-mf – 3955) 378281
Study on the nucleon component by means of a transportable supermonitor. 357552
Krasavina, E.P.
Cathodoluminescence properties of Gd_2O_3-Y_2O_3-Eu_2O_3, Gd_2O_3-La_2O_3-Eu_2O_3 oxide systems. 356999
Cathodoluminescence properties of rare earth oxysulfide solid solutions. 349205, 359589
Krascella, N.L.
Emission characteristics of uranium hexafluoride at high temperatures. (CONF-760646 –) 374121
Krase, J.M.
The development of the HTR direct cycle. 379687
Gas turbine HTGR. 379675
Krasemann, H.
Mass breaking in a relativistic quark model for mesons. 359279
A possible identification of chi(3.45) with a 'time-like' canti c excitation. 356441
Two gluon jets from Upsilon'(10.0). (DESY – 77/75) 377746
Two-gluon jets from UPSILON' (10.0). 372447
Krashchenko, V.P.
Thermally activated plastic deformation in dispersion-hardened molybdenum alloys. 378598
Krasicki, B.R.
Heat transport research and development for the nuclear powered artificial heart. 379394
Krasikov, B.S.
Current efficiency and composition of alloys during electrodeposition of copper with ruthenium impurity from sulfuric-acid solutions. 349228
Electrolyte for precipitation of ruthenium base alloy. (Soviet patent document 461159/A/) 375492
Investigation of polarization curves and kinetics of electrodeposition of copper with ruthenium impurity from sulfuric-acid solutions with the method of radioactive indicators 349227
Krasikov, K.I.
Alloying of high-manganese steels with chromium and copper. 378665
Krasikov, L.A.
Change of density of cubic ZrO_2 under the effect of anion vacancies. 378319
Krasil'nikov, I.I.
Increase in cystamine tolerance of animals treated with a combination of preparations of various pharmacotherapeutic groups. 379025
Krasil'nikov, I.M.
Container for x-ray spectral analysis. (Soviet patent document 457914/A/) 378135
Krasil'nikova, E.V.
Reactions between dicyclopentadienyl vanadium and RHgCl. 351552
Krasil'shchik, V.Z.
Success in extraction concentrating in analysis of substances. 356957
Krasilova, T.Ya.
Way of preparation of aqueous solutions containing ruthenium compounds. (Soviet patent document 469665/A/) 354348
Krasin, A.K.
Basic performance problems and prospects for 1200-1500MW gas-cooled fast reactors with dissociating coolant. 365981
Calculation of cross-sections for the reactions (n,n'), (n,2n), (n,3n), (n,n'f), (n,2nf), (n,3nf) on the basis of the exciton model of pre-equilibrium nuclear decay. (INDC(CCP) – 113/U) 356619

Research program of the Nuclear Power Institute of the BSSR AS on scattering and thermalization of thermal neutrons. (INIS-mf - 3895) 355290
Krasinski, A.
Solutions of the Einstein field equations for a rotating perfect fluid. Pt. 1. Presentation of the flow, stationary and vortex-homogeneous solutions. 353104
Krasivina, L.E.
Determination of gold in the production wastes from the reaction (γ,γ') in nuclear reactor. 356978
Krasnik, W.
Observations on transition of polycythaemia vera into acute or chronic granulocytic leukaemia during treatment with radioactive phosphorus ^{32}P. 373614
Krasnikov, N.V.
Construction of the effective potential in the quantum field theory with temperature. 348596
Deep inelastic scattering in the four-quark model. 351175
Implications of variational principle on instantons. 376921
Krasnobaeva, N.
Effect of controlled atomosphere of argon on change of intensity of atomic and ionic lines in spectral analysis of dry residues of solutions. 359561
Krasnojarov, N.V.
Status of the USSR fast reactor programme as of March 1977. (IWGFR - 18) 363511
Krasnokutskaya, L.D.
On comparability of measured and calculated solar radiation fluxes and influxes in the atmosphere. 349672
Krasnokutsky, R.N.
Measurement of $\pi^-p \rightarrow \pi^0 n$ at large momentum transfer. 372503
Observation of a meson $X \rightarrow 2\gamma$, with mass 2.85 GeV/c^2, produced in the charge-exchange reaction $\pi^-p \rightarrow Xn$ at 40 Gev/c. 377780
Particle identification in a hodoscope Cherenkov spectrometer. 355520
Study of the reaction $K^-p \rightarrow$ anti K^0n at momenta of 25 and 40 GeV/c. 356482
Krasnonosen'kikh, P.P.
High-stability plane top shaping in a excitation current pulse of the "SIRIUS" synchrotron electromagnet. 370753
Krasnoperov, V.A.
Neutron activation logging for fluorine (NAL - N^{16}). 375992
Krasnoperov, V.M.
Separation of uranium and fission products by means of liquid extraction membrane. 378479
Krasnopevtsev, V.V.
He backscattering and infrared absorption studies of natural diamond containing high concentrations of implanted silicon. 370123
Krasnopol'skaya, M.B.
Determination of vanadium oxides in tellurito-vanadium glasses. 356952
Krasnopol'sky, V.M.
A new many-particle variational method. 369435
Krasnorutskij, V.S.
Investigation of the annealing effects on the properties of welded joints of uranium with low-alloyed zirconium-1 and titanium alloys. 359992
Krasnoshchekov, M.M.
Electron irradiation hardening of the steel-45. 349592
KrasnoV, A.I.
High-selective reaction for extraction-photometric determination of titanium (4). 364856
Krasnov, B.I.
Fast neutron activation analysis of silicon in tungsten. 351462
Krasnov, I.A.
Analytical reactions with charge transfer for photometric and extraction-photometric determination of some transition metals. (INIS-mf - 4192) 375299
Krasnov, I.V.
Velocity distribution of atoms in a quasiresonance electromagnetic field. 350618
Krasnov, K.S.
Structure, vector field and coriolis constants of molecules of tetrabromides and tetraiodides of titanium, zirconium and hafnium. 357016
Krasnov, N.N.
Some problems of calibration technique in charged particle activation analysis. 372888
Use of 11 MeV protons in activation analysis. 378188
Krasnov, N.V.
Vacuum conditions at Tokamak-10. 368948
Krasnov, Yu.K.
Dynamics of the Onsager-Finman vortexes in a rotating superfluid system of the pulser type. 375003
Krasnowolski, S.
Induction of mutations in antibiotic-producing microorganisms by fast neutrons from the U-120 cyclotron. 367471
Krasnoyarov, N.V.
An adsorption method for BR-5 primary cover gas decontamination from radioactive xenon. (IWGFR - 7) 361006
Reactivity change rate during the BOR-60 reactor core life. 358403
Safety of sodium-cooled fast reactors. 370527
Krasnyanskij, G.E.
Static and molecular anions dynamic interaction of doping molecular anions XO_4^{2-} (X=Cr, Se, Mo, W) with K_2SO_4 and Na_2SO_4 crystal lattices. 377300
Krasnykh, I.G.
Gastroenteric tract function of rats during the primary radiation reaction. 360257
Krasouskii, A.M.
Scattering of atomic beams by solid surfaces at low temperatures. 368822
Krasov, V.I.
Fabrication of time non-transparent coatings on a plastic scintillator. 379853
Magnetic field energy dissipation in neutral current sheets. 372110
Krastelev, E.G.
Fast commutator and preamplifier for measuring the capacitor charge. 376715
Measurement of energy spectrum of high-current electron beams. 376640
Krasulin, Yu.L.
High temperature spectroscopy of monocrystals of refractory oxides. (INIS-mf - 3955) 378304
Method for fabricating articles from spherical particles. (Soviet patent document 503836/A/) 375928
Krasyakova, L.Yu.
Heat transfer while dip motion of water under supercritical pressure. 379430
Kratel, R.
HEPA-filter testing by single optical intra-cavity laser particle counter. 360510
Kratky, O.
Small-angle X-ray-scattering investigation and structural-model study of the fatty-acid synthetase from pig liver. 376060
Kratsikova, T.I.
Verification of the sup(83m)Se(Tsub(1/2=69.2 s) decay scheme. 378026
Kratz, J.V.
Charge-asymmetry equilibration in the reaction of $^{129\ 132\ 136}Xe$ with ^{197}Au near the interaction barrier. 366989
Kratz, K.-L.
Delayed neutrons and high-energy γ-rays from decay of ^{87}Br. 372800
Kratzer, K.
Radioanalytical determination of phosphorus by heterogeneous isotopic exchange. (INIS-mf - 3849) 378189
Kratzer, W.K.
Decontamination of 109 cell primary cooling system piping. Final report. (UNI - 105-A) 363543
Kraupa, W.
PWR nuclear reactor plant. (German (F.R.) patent document 2346638/B/) 355397
Kraus, J.
Form-factor corrections to superpositronium and short-distance behavior of the magnetic moment of the electron. 351139
Photon emission from rare gas ion bombardment of metal surfaces. 353433
Kraus, L.
High spin states in the mirror nuclei ^{15}O and ^{15}N. 356811
Kraus, S.
A large electro-magnetic pump for high temperature LMFBR applications. 358308
Kraus, W.
Modern methods of personnel dosimetry. (UCRL-Trans - 11248) 361042
Studies on space dependence of the spectral density functions of neutron flux noise in pressurized water reactors. 365792
Krause, F.
On the possibility to explain the temperature distribution in sunspots by an anisotropic heat transfer. 377604
Krause, H.
Annual report 1975. (KFK - 2380) 355637
Lab-scale and pilot-plant experiments on the solidification of high-level wastes at the Karlsruhe Nuclear Research Centre. 358483
Recent experiments on the treatment of medium level wastes and spent solvent and on fixation into bitumen. 358466
Recent results and developments on the disposal of radioactive wastes in the Asse Salt Mine. 358523
Toroidal confinement with reduced energy losses in Belt-Pinch IIa. (INIS-mf - 3963) 371743
Krause, H.H.
The polarized proton capture reaction $^7Li(p, \gamma)^8Be$ in the energy range from 380 to 960 keV. 354273
Krause, M.O.
Comparison of experimental and theoretical binding and transition energies in the actinide region. (CONF-770579 - 2) 362077
Relativistic effects in the calibration of electrostatic electron analyzers. I. 379980
Krause, O.
The $^{16}O(^{16}O, ^{12}C)^{20}Ne$ reaction in the framework of the coupled channel formalism. 354080
Krause, R.F. Jr.
The melting temperature, vapor density, and vapor pressure of molybdenum pentafluoride. 364967
Kraushaar, J.J.
Elastic and inelastic scattering of 800 MeV protons from ^{89}Y and ^{90}Zr. (TID - 27909) 377980
Energy dependence of π^+ induced two- and four-nucleon removal. 369510
Excitation of core coupled states in ^{87}Sr and ^{89}Sr via two-step processes in the $^{88}Sr(p,d)$ and $^{88}Sr(d,p)$ reactions. 354156
Level structure of ^{102}Rh via $(^3He,d)$ and (p,d) reactions. (TID - 27909) 378059
The level structure of ^{111}Ag via the $^{110}Pd(^3He, d)^{111}Ag$ reaction. 354134
Kraushaar, P.
New limits on $D^0(1.865)$ production in proton-nucleus collisions at

400 GeV/c. 361882
Krauskopf, K.B.
Summary of geologic review group meetings, July 21 – 22, 1977. (Y/OWI/TM – 18/3) 374430
Krauss, A.R.
Relative ion sputtering yield measurements by integration of secondary ion energy distribution using a retarding-dispersive ion energy analyzer. 353456
Krauss, M.
Electronic structure of the ground and excited states of Mg^{+}_{2} and Mg_2 . 350687
Krauss, S.W.
Characterization of cyanogen bromide peptides of hypoxanthine phosphoribosyltransferase by a micromethod. 362129
Krausz, F.G.
Cancellations of mass singularities in Yang – Mills theories. (CU-TP – 101) 361287
Kraut, A.
Safety standards and regulations in the USA and Germany. 352953
Krauth, H.
The study of high voltage problems in a superconducting power pulse generator. 360736
Krautwasser, P.
Burn-up particles with oxidic fuel kernels of highly enriched uranium dioxide for spherical fuel elements. 370958
Influence of porosity on the irradiation performance of pyrocarbon coatings. 365931
The influence of the microstructure on the solid and gaseous fission product retention properties of PyC layers. 370114
Structural characterization of HTGR pyrocarbon fuel particle coatings. 357431
Krautz, S.
Specific heat capacity of ternary molybdenum sulfides. I. Lattice and electron contributions to the specific heat capacity of superconducting Mo_5SnS_6 at 2 – 25 K. 367311
Kravchenko, S.E.
Temperature dependence of $Sc(BH_4)_3x2C_4H_8O$ PMR spectra and quadrupole relaxation of boron- and scandium nuclei. 378220
X-ray diffraction study of crystals of scandium borohydride tetrahydrofuranate. 359646
Kravchenko, S.F.
Cooled trap. (KFTI – 75-10) 355150
Kravchenko, V.A.
Investigation into the process of ferrovanadium nitridation. 369958
Neon liquefier refrigerator. (KFTI – 75-10) 357905
Kravchenko, V.B.
Faraday effect and physical properties of epitaxial films of bismuth-containing ferrite garnets with magnetic compensation point. 358858
Investigation of mechanism of radiationless relaxation of excited states of Er^{3+}, Ho^{3+}, Tm^{3+}, Nd^{3+}, Yb^{3+} ions in glass of different composition. (INIS-mf – 3955) 378269
Spectroscopic and laser characteristics of ultraphosphate neodymium glass. (INIS-mf – 3955) 362144
Study on neodymium glass on the base of alkali metals metaphosphates. 370108
Kravchenko, V.V.
Investigation of EPR spectra of Gd^{3+} in complex niobates. (INIS-mf – 3955) 366471
On the temperature of superconducting transition in indium-tin alloy films. 373223
Kravchenko, V.Ya.
On excitation of acoustic plasmons in bismuth. 355939
Kravchin, B.V.
Experimental investigations of current discharge plasma confinement in L=1 torsatron in the region of low-frequency collisions. (INIS-mf – 3963) 371756
Particle confinement in hf-heated plasma in the Uragan-2 stellarator. (INIS-mf – 3963) 371814
Kravchinskaya, M.V.
Phase correlations in DyOsub(1,5)-PrOsub(1,5) and DyOsub(1,5)-PrOsub(x) systems. 367096
Phase relationships in the YOsub(1,5)-PrOsub(x) system and physico-chemical properties of solid solutions. 360033
Kravchuk, L.S.
Catalytic activity of γ-irradiated alumopalladium catalysts. 373060
Kravetskaya, T.P.
Contribution of the protector adsorbed by the active site to the enzyme protection against γ-radiation. 362632
Induction of unscheduled DNA synthesis in chromatin in vitro. 349698
Kravetskij, G.A.
Features of contact interaction of some refractory oxides with carbon. 359637
High temperature soldering of graphite. 375754
Kravtsov, G.M.
Changes in the potassium permeability of phospholipid membranes upon radiation-induced peroxidation. 349697
Radioprotective action of liposomes containing serotonin. 362661
Kravtsov, V.E.
The influence of the s-d(f) Coulomb interaction on the transition element compound superconductive critical temperature. 369252
Kravtsov, V.I.
Investigation into indium(3) complexes with 2,2'-bipyridyl by potentiometry. 378409
Kravtsov, V.S.
Synthesis and investigation into vanadium(5) compounds with tetraalkyl ammonium compounds-derivatives of xylilenediamine. 375571
Kravtsova, I.A.
Ammonia effect on cadmium passivation in KOH solution. 349318
Kravtsova, V.P.
A new highly efficient adsorbent for ultrahigh vacuum cryopumps. (KFTI – 76-21) 357393
Krawczonek, W.M.
A heavy ion beam probe system for investigation of a modified Penning discharge. (N – 77-19868) 361567
Krawczyk, M.
Regge cuts and $\pi^{-}p \rightarrow \pi^{0}n$ reaction. (JINR-D – 1,2-9342) 356442
Krawczynska, M.
Adaptation of the industrial betatron produced in Poland for medical applications (preliminary dose measurements). 367832
Krawczynski, S.
Development and irradiation testing of GCFR fuel elements in the Federal Republic of Germany. 379768
German-Brazilian co-operation on fuel irradiation. 370149
Krawczynski, S.B.
GCFR Program in the Federal Republic of Germany. 379760
Kray, A.M.
Automated sample-processing and titration system for determining uranium in nuclear materials. (UCRL – 52351) 380122
Krayenbuehl, H.
Coronary artery disease: non-invasive nuclear medicine techniques as the most reliable and sensitive ones. (INIS-mf – 4010) 367703
Krayukhina, V.V.
Intrusioned Li-drifted Si detector. 379933
Krayushkin, V.V.
Economical aspects on radiation hardening of paint coatings. (INIS-mf – 4194) 376334
Method of calculation of the absorbed dose distribution by layer solidification of binder electron accelerators. (INIS-mf – 4194) 376287
Krebs, K.H.
Investigations on sputtering and secondary ion yield from metals under bombardment of noble gases in the energy range 5 – 25keV. (IAEA – 199) 348807
Krebs, L.
Indication of a coolant blockage in a fuel element of a sodium-cooled reactor by temperature fluctuation measurements with steel – sodium thermocouples. (CONF-761001 – P2) 362965
Permanently magnetic flowmeter probe for liquid metals. 371175
Krebs, W.D.
Routine reactor physics measurements in PWR reloading cores. 370797
Krech, H.
The participation of private associations in the nuclear licensing procedure under the Atomic Energy Act. 376830
Radiation protection of outside personnel. 361192
Krechet, V.T.
Problems of classical and quantum gravitational collapse. 1. 369185
Krechetov, Yu.F.
Increase of the PhEV-49 photomultiplier time resolution. 371148
Kreft, A.
Calculation of the neutron slowing down length in rocks and soils. 354664
Kreger, W.E.
Regulatory practice for the protection of radiation workers in U.S. Nuclear Power Plants. 370632
Kreh, E.J.
Quality assurance training. 352962
Krehbiel, H.
Evidence for the F meson. 353947
Measurements of tau decay modes and a precise determination of the mass. 372505
On the origin of inclusive electron events in $e^{+}e^{-}$ annihilation between 3.6 and 5.2 GeV. 353772
Krehn, Eh.
Magnetic and neutron diffraction investigation of reorientation transitions in cobalt-substituted yttrium orthoferrite. 355949
Kreinick, D.
Evidence for the F meson. 353947
Measurements of tau decay modes and a precise determination of the mass. 372505
On the origin of inclusive electron events in $e^{+}e^{-}$ annihilation between 3.6 and 5.2 GeV. 353772
On the semileptonic decay of charmed hadrons. 356496
Kreischer, K.
Compact high-field ignition test reactor (HFITR) using bitter magnets. 377375
Kreisel, G.
Oxygenation of trimesitylvanadium. 357063
Krejdlin, I.I.
Control for reliable operation and predicting gradual failures of radioisotope relay instruments. 349961
Krejmer, G.S.
Dependence of hard WC-Co alloys mechanical properties on volumetric content and size of pores. 351844
Krejndlin, I.I.
Radioisoisotope tracking level gage-regulator. (Soviet patent document 381064/A/) 355105
Thickness gage for measuring coating thickness. 349953
Krejnin, L.B.
Alpha-particle effect on p-silicon and photoelectric parameters of silicon n-p junctions. (KFTI – 74-47) 353394
On the problem of γ-radiative defects in crucibleless high-resistance silicon. 348766
Krejsa, P.
Determination and proof of trace elements and their essential

parts in well and surface water in the environment of the Research Centre Seibersdorf. (SGAE – 2656) 373836
Determination of trace elements in ancient glasspieces and correlation with corrosion and devitrification. 372907
Estimation of risk due to accidents for the transport of radioactive wastes to the conditioning and storage facilities in the Research Center of Seibersdorf. (SGAE – 2709) 373838

Kreknin, Yu.S.
Optimal rate for measurement of pulsed 14 MeV neutron flux. 349637

Kremener, A.
Nuclear fuel research and development – influence of various manufacturing parameters on some characteristics of UO_2 powders and their sintering behaviour. (INIS-mf – 4052) 368039

Kremer, S.
Plastic energy of circular cross sections. 370823

Kremez, S.N.
Thermodynamic analysis of transfer of indium arsenide by water vapors. 359718
Thermodynamics of InP transfer by water vapors. 378445

Kremin, H.
Influence of the primary circuits on the PWR refill phase. 370937
Safety Technology Research Program in the field of pressurized water reactors. 1. Technical report on advancement project RS 36/2. Emergency cooling program service life experiments: reflooding experiments involving the primary loop systems. (LA-tr – 77-44) 352292

Kremkov, M.V.
Production of directional fluxes of slow positrons using an elliptical electrostatic reflector. (INIS-mf – 3915) 350349

Kremlev, M.M.
On interaction of α,β-dibromo-derivatives of 1,2-diphenyl ethane and stilbene with potassium and cesium fluorides. 369649

Kremmling, H.
Nuclear shape staggering in very neutron-deficient Hg isotopes detected by laser spectroscopy. 351385
Nuclear spins of ^{76}Rb and ^{119}Cs by β radiation detected optical pumping. 375174

Kremnev, V.V.
Development and study on sections of Marx generator for power pulse systems. (INIS-mf – 3954) 361648

Krenbel, H.
On the semileptonic decay of charmed hadrons. 356496

Krenciglowa, E.M.
Extended multiple-scattering approach for the 2p1h system and ^{17}O valence energies. 372634
Folded-diagram calculation of effective charges. 356620

Krendelev, V.A.
Muon flux measuring system for neutrino experiments at the IHEP accelerator. 357946

Krendelev, V.V.
Observation of muon pairs in neutrino interactions at Serpukhov 70 GeV accelerator. 361870

Krenev, B.A.
Some reactions proceeding during hydrogen reduction of boron halogenides. 359685

Krenev, V.A.
On the initial stage of hydrogen reaction with boron tribromide on the graphite surface. 375518

Krenos, J.
Golden rule partitioning of vibronic energy: excitation transfer in collisions of metastable rare gas atoms with nitrogen. 353294, 377059

Krenz, W.
Measurement of an effective quark mass from inclusive neutrino and antineutrino nucleon reactions. 353963
Total cross-sections and integrated structure functions for neutrino interactions. 353976

Krepelka, J.
The absorption and reflection of solid pellets irradiated by laser light. 377392
Computational study of some radiation and nuclear processes in laser-induced plasmas. (INIS-mf – 3963) 371825

Kreplin, R.W.
Structure and dynamics of a solar flare: X-ray and XUV observations. 369056

Kresge, A.J.
Vinyl ether hydrolysis. IX. Isotope effects on proton transfer from the hydronium ion. 378320

Kreshman, H.
Nuclear technology education and training in Libya. 352538

Kreshman, H.M.
Implementation of a mutipurpose nuclear complex in Libya. 352508

Kress, R.
Method for the anodic oxidation of the inner surface of a superconducting niobium hollow body having at least one opening. 369244

Kress, T.S.
Fuel Aerosol Simulant Test (FAST) plan. (ORNL/NUREG/TM – 129) 365625
Source term assessment concepts for LMFBRS: Aerosol Release and Transport (ART) Analytical Program. (ORNL/NUREG/TM – 124) 379267

Krestov, G.A.
Volume and thermal properties of francium halogenides and alkali metal astatides at O-Tsub(melt)°K. 351609

Krestova, N.V.
Volume and thermal properties of francium halogenides and alkali metal astatides at O-Tsub(melt)°K. 351609

Kretschko, J.
Double-radioisotope renal clearance measurement with a partially shielded whole-body counter for the determination of renal filtration fraction; methods and clinical results. (INIS-mf – 4010) 362731
A new method for the determination of renal clearance and estimated errors, using gamma camera measurements. (INIS-mf – 4010) 362828
Problems of loss of image quality of gamma camera scintiscans due to digital display; solutions without increase of computer capacity. (INIS-mf – 4010) 363572

Kretschmer, W.
Compound nuclear contributions to the inelastic decay of analog resonances in the ^{90}Zr(p(pol),p') reaction. 356758

Kretsu, T.
Beta spectra investigation by the YSNAPP program. (JINR-R – 6-9711) 366990

Kretzer, H.
Effects due to Coulomb interaction in the sequential decay reaction ^{2}H(α, pα)n. 351271
Quasi-free contributions in the ^{6}Li(d,tp)^{4}He-reaction at Esub(d) = 0.465 MeV. 356867

Kretzschmar, J.G.
Applicability of the Weibull distribution function to atmospheric radioactivity data; and Reply. 349680

Kretzschmar, K.
A contribution to the radiotherapy of pinealomas: course controls by computer tomography. (AED-Conf – 77-395-004) 370503
Diagnostic value of computerized tomography for the radiotherapy of cerebral tumors. (AED-Conf – 77-395-006) 370479

Kreuder, H.J.
Catalysts for radiation hardening of acidic-hardened resins, activated by UV-light. (German (F.R.) patent document 1947194/C/) 354451

Kreuter, J.
The use of ^{60}Co-γ-irradiation for the production of vaccines. 376167

Kreutz, W.
Renal function measurements before and after catheter embolisation of the renal artery. (INIS-mf – 4010) 357694

Kreuz, D.F.
Production of uranium peroxide. (US patent document 4,024,215/A/) 349374

Kreuzer, H.
Volume curves of the left ventricle at rest and during excercise, determined with nuclear medicine methods. (INIS-mf – 4010) 362825

Kreuzinger, H.
Influence of the size and shape of cooling channel blockages on the emergency core cooling in the reflood phase of a LOCA. (KFK – 2435) 357796

Krevsun, Eh.P.
Hydrostatic bearing with a stepped duct. 349997

Krewald, S.
Spreading width of the giant quadrupole resonance in light nuclei. (ZfK – 336) 366929

Krey, P.W.
Scavenging ratios. (CONF-741003 –) 370298
Stratospheric concentrations of N_2O in July 1975. 351971

Krey, U.
On the critical dynamics of disordered spin systems. 353457

Krezoski, J.R.
Radioactivity in sediments of the Great Lakes: post-depositional redistribution by deposit-feeding organisms. 357497

Krezoski, S.
Uptake, excretion, and radiation hazards of tritiated thymidine in humans. 360351

Krichevskij, E.M.
Effect of parameters of argon-arc welding with non-consumable electrode on corrosive properties and structure of welds of pipes in steel-12Kh18N10T. 375772
Fabrication of welded pipes of the KhN45Yu alloy. 375776

Krick, M.S.
Delayed neutron yield calculations for the neutron-induced fission of uranium-235 as a function of the incident neutron energy. 362033
Equilibrium delayed neutron spectra from fast fission of uranium-235, uranium-238, and plutonium-239. 362058

Krieg, B.
Reactor theory and physical experiments. (KFK – 1277/2) 370795

Krieg, G.
Atomic interaction with quantum fluid clusters: ^{3}He-cluster beam generation and Cs-scattering by ^{4}He-clusters. 353260

Krieg, R.
Analysis of the fluid-structure dynamic interaction of reactor pressure vessel internals during blowdown. (AED-Conf – 77-403-007) 368160
Design and precalculation of the HDR-blowdown-experiments on dynamic loading, stresses and deformations of reactor vessel internals. (KFK – 2435) 358224
Design of the HDR experimental program on blowdown loading and dynamic response of PWR-vessel internals. 374280
Development and verification of coupled fluid-structural dynamic codes for stress analysis of reactor vessel internals under blowdown loading. (KFK – 2435) 358604
Dynamic response of a clamped/ring-stiffened circular cylindrical shell under non-axisymmetric loading. 373842
Vibrations in the pressure suppression system of BWR reactors with flexible, water-charged spherical containment. 370879

Kriegbaum, B.
Electronics for the longitudinal active damping system for the CERN PS booster. 363283
Kriegel, H.
Distribution of ^{201}Tl and of ^{85}Sr microspheres in dog's myocardium after temporary experimental ischemia. (INIS-mf – 4010) 362790
Effects of fractionated whole body X-irradiation on the CNS of fetal mouse. Topographic and quantitative micromorphologic characterisation. 354793
Kriegel, U.
Inclusive production of charged pions in K^-p interactions at 32 GeV/c. 353960
Inclusive yields and transverse spectra of non-strange mesons. 353853
Krieger, A.S.
Do changes in coronal emission structure imply magnetic reconnection. 372228
The gross energy balance of solar active regions. 372160
Observations of the birth of a small coronal hole. 356321
On the nature of photospheric magnetic fields beneath large coronal holes. 372168
Krieger, C.I.
ANL experimental program for pulsed superconducting coils. (CONF-771029 – 184) 377564
Krieger, H.
Human genetic studies in areas of high natural radiation. 370381
Investigation of the neutron rich nuclei ^{108}Rh and ^{109}Pd. 356695
Krieger, J.H.
One-dimensional materials astir with activity. 372976
Krieglstein, J.
Perfusion of the isolated rat brain with [^{14}C]-Δ^1-tetrahydrocannabinol. 367588
Krien, K.
The magnetic moments and halflives of the $5/2^-$ states in ^{199}Hg and ^{197}Hg and the discrepancies in the experimental hyperfine fields at Hg in Fe. 356812
Kriester, A.
Biological response of solid Ehrlich carcinoma of AB mice to therapeutic X-irradiation under different fractionation regimes. 1. 365389, 365390, 365391
Krigel', V.G.
Pieso-Hall-effect in tellurium. 374733
Kriger, V.G.
Kinetics of accumulation of ClO_3 radicals in irradiated chlorates of sodium and potassium. 375715
Mechanism of formation and decay of ClO_3 radicals in irradiated $KClO_3$. 375713
Krijgsman, W.
Coplanar and noncoplanar experiments on the reaction H(d, pp)n at Esub(d) = 12.9 MeV. 367004
Kriklivyj, I.A.
Action of radiation on biosynthesis of hemoglobin and some of its electrophoretic fractions. 362687
Krikorian, O.H.
Proposal to utilize fusion reactor energy sources for chemical process applications. (UCID – 17590) 378321
Krikorov, V.S.
Thermodynamic analysis of solid-phase reactions in the PbO-La_2O_3-ZrO_2-TiO_2 system. 370093
Kriks, H.J.
Report on work on the Forschungs- und Messreaktor Braunschweig (FMRB) for the year 1976. (PTB-FMRB – 65) 358317
Krimigis, S.M.
Acceleration and modulation of electrons and ions by propagating interplanetary shocks. 372113
The Low-Energy Charged Particle (LECP) experiment on the Voyager Spacecraft. 374927
Solar energetic particles below 10 MeV. 372249
Krimmel, E.F.
Electron microscopical observation of the radiation damage distribution in ion implanted SiO_2-Si structures. (INIS-mf – 3996) 364054
Krimnus, M.G.
Effect of thorough compression and temperature change on optical spectra of aluminium-yttrium garnet monocrystal, activated by neodymium. (INIS-mf – 3955) 378434
Effect of uniform compression on spectrum of aluminium yttrium garnet monocrystal activated by neodymium. 359713
Krings, W.
Correlation studies on flux flow noise of polycrystalline niobium and vanadium foils. 351761
Krinsky, S.
Ising models with n > or = 2-component order parameters. 358885
Kripfganz, J.
Hadron production at large transverse momentum and QCD. 353786
Hadronic cascade processes. 349064
Structure of hadron in Migdal's regularization scheme for QCD. 364491
Krippendorf, C.
The VRA 20 – a computer controlled X-ray fluorescence analyzer. 367038
Kripyakevich, P.I.
X-ray diffraction analysis of some Mg- and Li-containing ternary alloy systems. 349492
Krisch, A.D.
Effects of depolarizing resonances on a circulating beam of polarized protons during acceleration or storage in a synchrotron. 363187
High-P/sub transverse/^{2} p-p elastic scattering in pure initial spin states. 359343
Spin-spin interactions in high-transverse momentum elastic p-p scattering. 359344
Krisch, R.E.
Effect of cellular DNA content on ^{125}I and X-ray damage to E. coli. 365365
Krise, R.C.
MARVEL: a digital computer code for transient analysis of a multiloop PWR system. (WCAP – 8844) 379657
Krishan, K.
Mechanisms of irradiation induced creep. 373356
Krishan, S.
Orbit perturbation theory of beam-plasma instability. 366542
Krishan, V.
Orbit perturbation theory of beam-plasma instability. 366542
Radiation induced enhancement of superconductivity. 375004
Krishna Murthy, N.
Cacotheline as a reagent in the detection of iron(II and III), vanadium(II and III), copper(I and II) and sulphite. 349173
Krishna Sastry, K.S.
Growth regulator induced mobilization of ^{14}C-metabolites into sunflower heads. 373729
Screening of varieties for relative drought tolerance in groundnut. 376156
Krishna, G.
Radio haloes around BL Lacertae objects A00235+164 and 4C03.59. 356274
Krishna, P.
X-ray diffraction study of stacking faults in a single crystal of 2H SiC. 354589
Krishnadev, M.R.
Fe_2Nb precipitation and its effect on the aging characteristics of iron – 1 percent niobium alloy. 369977
Krishnamoorthy, T.M.
Studies on adsorbents for uranium from sea water. 375657
Tritium persistence pattern in some terrestrial plants-field investigations. (INIS-mf – 4140) 373627
Tritium turnover in succulent plants. (INIS-mf – 4142) 376137
Uptake of tritium from HTO exposure in the fresh water fish Tilapia mossambica. 349785
Krishnamurthi, S.
Safety in teletherapeutic oncology. 367815
Krishnamurthy, B.V.
Quasi-periodic fluctuations in electron content during a partial solar eclipse. 366769
Krishnamurthy, G.T.
Research on new agents for the scintigraphy of the pancreas. (INIS-mf – 4010) 369766
Skeletal imaging in metabolic bone disease. 354942
Krishnamurthy, K.
Application of large radiation sources in chemical processing industry. 373976
Flow measurement using radiotracers – turbine efficiency measurements. 367887
On the inadequacy of nucleonic gauges in suspended sediment concentration measurements. 370280
Quantitative aspects of sediment transport studies using radioisotopes. 367403
Radiation treatment sewage – present status and future prospects. 367891
A simple stable isotope approach to study the effectiveness of artificial recharge from percolation tanks. 367402
Krishnamurthy, N.
Digital model helps review of nuclear power plant control system. 350182
Krishnan, A.
In situ repair work on calandria tube inserts – RAPP II. 379717
Rajasthan atomic power reactor unit-II containment building integrity and leakage test execution experience. 379447
Krishnan, D.
Fast neutron irradiation of aqueous solution of coumarin. 375685
Response of aqueous coumarin solution to high LET radiation from $^{10}B(n,\alpha)^7Li$ reaction. 365066
Krishnan, E.V.
A note on the Korteweg-De Vries equation for the propagation of fast ion-acoustic waves in multi-dimensions. 353616
Krishnan, I.N.
G-R noise and microscopic defects in irradiated junction field effect transistors. 358457
Krishnan, M.
Emission mechanism in high current hollow cathode arcs. (CONF-760646 –) 371918
Partially ionized plasmas including the third symposium on uranium plasmas. (CONF-760646 –) 371918, 371932, 374117, 374121, 374123, 374127, 374134, 374135, 374138, 374141, 374142, 374147, 374194, 374241, 374265, 374286, 374288, 374485
Krishnan, T.S.
Integrated planning for a fuel industry, with emphasis on the minimum size appropriate for fabricating one's own fuel. 365829
Some aspects of pilot plant production of micron size zirconium powder by calciothermic reduction of ZrO_2. 367208
Krishnaswamy, S.V.
Highly charged ions in field evaporating 4d-transition metals. 378666
Krishtal, M.A.
Diffusion processes in titanium-iron and titanium-iron-carbon systems. 375851
Plastic deformation effect on the mechanical properties and

structure of a quenched low-carbon steel. 369995
Study of physical factors affecting the hardening of diffusion chromium coatings during plastic deformation. 378572
Krisor, K.
Measurement of muon-neutrino and -antineutrino scattering of electrons. 353961
Kriss, E.E.
Infrared spectra of ascorbic acid and its complexes with zinc(2) and vanadium(4). 359598
Kriss, G.A.
Observations of Cygnus X-3 from a balloon-borne x-ray telescope. (CONF-7510169 –) 364396
Kristal, R.
Experiments on end-loss phenomena and material end plugs in a 5-M linear theta pinch. (INIS-mf – 3963) 353589
Feedback stabilization experiments using l=2 equilibrium windings in Scyllac. (INIS-mf – 3963) 371739
Kristan, J.
The emanation of radon from the surface layers of uranium in the process of uranium remaking. 370299
Kristensen, J.K.
Studies on ^{133}Xe wash-out from human skin: quantitative measurements of blood flow in normal and corticosteroid-treated skin. 352111
Kristiak, J.
Measurement of (n,2n) and (n,p) cross sections at 14,7 MeV. 356784
Measurement of the ^{235}U(n,γf) process using characteristic X radiation. 354178
Kristian, J.
The present status of 3CR identifications. 366716
Kristiansen, M.
Ablation rates of polystyrene microspheres in a theta-pinch plasma. 366628
Kristoff, L.M.
Dead water in wells of the Greater Chicago area. 365307
Krisyuk, Eh.M.
The "ARS-1" device for radiometry of samples containing alpha-radioactive isotopes. 363612
Krisyuk, I.T.
Experimental evaluations of fission neutron emission probability during time above 10 $^{-14}$ seconds. (INIS-mf – 3896) 356714
Measurement of fission neutron spectra of ^{252}Cf in the energy range from 0.02 to 2.0 MeV. (INIS-mf – 3896) 356698
Krisyuk, Z.M.
Studying and rating of building materials radioactivity. (INIS-mf – 3787) 352314
Kritz, W.R.
Functional safeguards for computers for protection systems for Savannah River reactors. (DPSPU – 77-30-6) 357792
Krivan, V.
Utilization of cyclotron produced fast neutrons in the activation analysis for oxygen. 372905
Krivandin, V.A.
Change in the blackness grade of heat resisting alloys during heating in air. 370001
Krivanek, M.
Destructive and non-destructive methods for controlling nuclear materials for safeguards purposes in Czechoslovakia. 371286
Krive, I.V.
Particle-like solution for SO(3) gauge field coupled to strong gravity. 371400
Krivelev, G.P.
On the problem of noise spectra classification in nuclear power plant operation diagnostics. (FEI – 658) 350101
Krivitskij, V.P.
Structure of valent electron energy spectrum of niobium-silicon system compounds. 370009
X-ray spectra solid solutions of niobium-titanium- and molybdenum-titanium systems. 349504
Krivitskij, V.V.
A simple method for calculating correlation corrections for internal atomic levels. 358850
Krivko, T.G.
Quenching of noise photooscillations and photoconductivity of CdS. 374695
Krivobok, V.I.
Synthesis and some properties of basic crystal hafnium ditungstate. 349275
Krivodub, S.P.
Heating of thin samples of maraging steels during short-time aging. 369953
Krivoglaz, M.A.
Directed collisions of indicator ions containing short-lived nuclei with neighboring atoms in monocrystals. 368823
Krivokhatskij, A.S.
Formation of mixed hydroxides in the thorium chloride-iron chloride-sodium hydroxide system. 354402
Krivonogov, V.P.
Complexing of sulfides and sulfoxides with $Mo(CO)_6$. 369650
Krivonosov, G.A.
Proton radiative capture in ^{58}Ni, ^{60}Ni, ^{61}Ni nuclei. (KFTI – 75-15) 362078
Krivonosov, S.V.
Cascade connection of high-voltage transformers. 367972
Krivopushkin, A.V.
Kinetics of deposition of alkaline earth metals on liquid metal cathodes during electrolysis of chloride melts. (INIS-mf – 4189) 375602
Krivoshapkin, P.A.
Study on the long-period variations of galactic cosmic ray distribution in the interplanetary magnetic field. 357538
Krivoshchekov, V.K.
Superdiagram technique for gauge theories. 348597
Krivosheev, M.V.
Calculations of a thermonuclear reactor with a cumulating liner. (INIS-mf – 3954) 361566
Thermonuclear power plant based on a pulse reactor with a cumulating liner and its competitiveness evaluation. (INIS-mf – 3954) 361555
Krivov, M.A.
Investigation into defects in $CdSnAs_2$ crystals irradiated by electrons. 350714
Krivskij, I.Yu.
Construction of the Wightman axiomatic scheme for concentratable field. 366282, 368561
Krivtsov, A.K.
Features of simultaneous discharge of tungsten with nickel and cobalt. 378317
Krivtsov, A.S.
Algorithm and a code for preparation of group constants for reactor calculation on the basis of the SOKRATOR neutron data library. (INIS-mf – 4043) 363385
Comparative evaluation of group constants from UKNDL and the BNAB-70 system. (INIS-mf – 4043) 360759
Software for the computized neutron data library of the SOKRATOR system. (INIS-mf – 4043) 363737
Krivulya, S.S.
Interaction of a supercritical initial velocity beam with finite amplitude waves. 368915
Krivykh, V.V.
Reduction of double bond by molybdenum carbonyl. 359665
Kriz, Z.
Regulatory activities and their research and developmental support in the CSSR. 371267
Krizhanskij, L.M.
Half-life of sup(242)Pu. 377983
Krizhevskaya, Yu.V.
Isolation and activity of splenic protein fraction stimulating the postirradiation recovery of bone marrow. 376096
Krmpotic, F.
Semimicroscopic description of the odd iodine nuclei in the mass region 123 < or = A < or = 133. 351314, 363931
Kroebel, R.
Advances made in areas of relevance to the treatment of gaseous effluents from reprocessing plants. 358474
Progress in areas of relevance to the treatment of gaseous effluents from reprocessing plants. (BNWL-tr – 253) 352854
Kroeger, F.R.
In-core fuel motion detection in the Sandia Pulse Reactor. (SAND – 77-1015C) 368257
Kroeger, H.
Wall-thickness measuring instrument based on the ultrasonic immersion-resonance method. (German (F.R.) patent document 2511526/A/) 355228
Kroeger, W.
Assessment of underground siting of a nuclear power plant with PWR as an engineered safety feature. 352255
Results of critical evaluation of the AIPA study. 370970
Kroenert, E.
Evaluation of brain perfusion curves after intravenous injection of sup(99m)Tc-pertechnetate. (INIS-mf – 4010) 362736
Observation of progress in the treatment of rheumatoid arthritis with ^{90}Y-silicate. (INIS-mf – 4010) 370492
Kroenert, H.
Right and left-ventricular function before and after aorto-coronary bypass surgery. (INIS-mf – 4010) 362823
Kroeniger, D.
The superconducting type of the Erlangen polarized proton target: realization and fundamental measurements of the target polarization under the influence of radiation hazards. (INIS-mf – 4013) 355543
Krogh, J. von
The search for new phenomena with neutrinos at FERMILAB. 364584
Krogul'ski, T.
Probability of fission of ^{232}Th induced by μ mesons. 349136
Kroh, J.
γ-radiolysis of N,N-dimethylformamide. Pt. 2. Liquid products. 375696
γ-radiolysis of N,N-dimethylformamide, Pt. 1. Gaseous products. 375695
Electrical conductivity of some irradiated organic matrices at low temperatures. 354437
The electron concentration-dose dependence in glassy matrices. A semiquantitative model. 375698
The electron scavenging processes in γ-irradiated 3-methylpentane glass at 77K. 375699
ESR studies on fundamental processes in radiation chemistry at low temperatures. Pt. 1. Photobleaching of trapped electrons in 8 M NaOH glass at temperatures 67-173 K. 375694
ESR studies on fundamental processes in radiation chemsitry at low temperatures. Pt. 2. Photobleaching of trapped electrons in 5 M K_2CO_3 glasses at temperatures 77-123°K. 378525
Investigations of basic processes in radiation chemistry by EPR method in low temperatures. 378524
Ionic processes in γ-irradiated rigid polar-nonpolar mixtures at 77 K. 375697
The mechanism of radiothermoluminescence of aliphatic ketones.

375693
Krohn, B.J.
Nuclear corrections to molecular properties. V. Refinements in ab initio normal-coordinate potential energy and property surfaces for water and their effect on the vibrational analysis. 350606
Predictions of infrared intensities for some halogen pentafluoride molecules. 369651
Krohn, K.A.
Cyclotron production of ^{13}N compounds for environmental and biological research. 378481
Present and future applications of iodine-123. 354835
Scintigraphy of the biliary system using ^{99}Tcsup(m)-pyridoxylideneglutamate (PG). 354961
Krohn, V.E.
Feasibility of achieving 15 nm resolution with a scanning microprobe using a liquid gallium ion source. (CONF-770230 – 1) 356953
Ion microprobe using a field evaporation ion source fed by liquid gallium. (CONF-770642 – 12) 361083
Kroiss, A.
Investigation of disorders of the upper abdomen with gallium 67. (INIS-mf – 4010) 370480
Spleno-porto-scintigraphy. (INIS-mf – 4010) 367631
Kroitoru, S.G.
Reflectance spectra of crystals of the ZnTe-CsTe system. 365238
Krokenberger, L.
The influence of structural changes on biodistribution of sup(99m)Tc labeled N-substituted IDA derivatives. (INIS-mf – 4010) 378493
Krokhin, E.V.
Successive approximations method in electron-photon shower theory. 362607
Krokhin, O.N.
Absorption and reflection of laser radiation by a spreading high-temperature plasma. 358909
Generation of the 3/2ωsub(o) harmonic of the neodymium laser radiation on heating of spherical targets. 377337
Investigation of compression of hollow microspheres irradiated by a laser. 348878
Laser thermonuclear installation 'Delfin'. (INIS-mf – 3963) 371740
Nuclear hybrid plant with laser fusion reactor. (INIS-mf – 3963) 353556
Observation of fast ions in laser-produced plasma. 369011
Power lasers for thermonuclear fusion. 350804
A stationary model of the 'corona' of spherical laser targets. 348868
Krokhin, V.A.
Interaction of complex chlorides formating during raw material chlorination and salt refining of rare metal chlorides. 357029
Thermal and tensimetric study of some fields into $NbOCl_3$-$TaCl_5$;$NaAlCl_4$-NaCl system. 357038
Krokhina, A.G.
Interaction of complex chlorides formating during raw material chlorination and salt refining of rare metal chlorides. 357029
Krokhmal', A.P.
Structure of spectrum of excitons coupled with neutral boron atoms in silicon carbide. 374717
Krokhmal'nyj, A.M.
Study on corrosion fatigue of steels with cathodic coatings. 369821
Krol, L.Ya.
Iron as an ion acceptor in indium antimonide. 367253
Krol', A.V.
Combination light scattering in Ca(MoOsub(4))sub(1-x)(WOsub(4))sub(x) mixed crystals. 348797
Krol', L.Ya.
Investigation of thermal conditions in growing eutectic alloy of indium and nickel antimonides using Czochralski method. 357294
Krol', V.M.
Properties of the eutectic alloy of indium antimonide with nickel antimonide grown by Czochralski method. 354571
Krolikowski, J.
The effect of resonance production on angular correlations. 353935
Krompholz, H.
Collimated soft X-rays from the plasma focus. 371886
Microinstabilities in the plasma focus. 353629
Suprathermal microwave emission from the plasma focus. 366553
Kron, J.G.
Simultaneous application of superconducting and superfluidity. A servo valve for liquid helium II: the cocatron. 349989
Kron, R.G.
Berkeley studies of faint stars at high latitudes. 369137
Kronberg, P.P.
Rotation measures and cosmology. 366717
Kronebusch, P.L.
Photoionization of dimeric polyatomic molecules: Proton affinities of H_2O and HF. 366239
Kronenbitter, J.
^{123}Te and ^{125}Te fourier transform NMR investigations. 374687
Nuclear magnetic shielding and quadrupole coupling of ^{133}Cs in cesium salt powders. 355990
Kronfeld, D.S.
Placental transport of radionuclides. Terminal report, May 1, 1973 – July 31, 1975. (COO – 2363-4) 379101
Krongauz, V.T.
Moessbauer effect on Sn^{119} nuclei in system of mMg_2SnO_4-(1-m)$Mg_3(BO_3)_2$ solid. 348827
Kronsteiner, R.
Study of the reaction $K^-p \rightarrow$anti K^0n at momenta of 25 and 40 GeV/c. 356482
Kroo, N.
KORAN spectrometer on the IBR-30 reactor. (JINR – 14-9486) 355530
Krook, M.
Exact solutions of the Boltzmann equation. 350519
Krop, K.
The effect of neighbouring chromium atoms on hyperfine magnetic field at ^{57}Fe nuclei in Fe-Cr alloys. 364000
Kropachev, E.V.
Effect of pH on the radiolysis of deaerated aqueous solutions of aminothiols. 354425
Kropf, A.
Determination of two parameters of a distribution of foreign atoms in bulk material by proton induced X rays. 369524
Kropff, F.
Total neutron cross section of molybdenum in the thermal range. 375084
Kropin, A.A.
Designed pion beam channels in a phasotron with the magnetic field variation. (JINR – 9-8782) 357952
Optimization of the meson-producing target position in a chamber of a phasotron with a spatial variation of a magnetic field. (JINR – 9-9078) 350095
Kropman, D.I.
Kinetic phenomena in polycrystalline films with residual conduction. 374737
Krori, K.D.
Light-like motions of particles in gravitational fields. 358665
Kroshkin, N.I.
^{235}U and ^{239}Pu cross sections for fission by 2, 24, 55 and 144 keV neutrons. 378082
Kroshkina, A.B.
Phase analysis of tungsten ores. 356954
Krot, N.N.
Disproportionation of neptunium (6) in sodium hydroxide hot solutions. 362232
Investigation of neptunium (6) and plutonium (6) oxidation by ozone in alkaline solutions. 359746
Kinetics of neptunium(6) reduction by acetoxime in perchloric acid medium. 351624
Neptunium (7) behaviour in media near to neutral ones. 357118
On the behaviour of hepta and hexavalent neptunium in lithium hydroxide solutions. 369740
On the behaviour of neptunium (7) in carbonate solutions. 351623
Oxidation of neptunium(6) by ozone in media near to neutral ones. 357119
Radiation chemical oxidation of americium (3) in weakly acid medium. 351618
Redox potentials of Np(6)-Np(5) and Pu(6)-Pu(5) pair in LiOH solutions. 359730
Krotenko, V.T.
Aluminium-yttrium garnet phonon spectrum. 361480
Lattice phonon spectrum of zirconium dioxide and solid solutions on their base. 348857
Phonon spectrum of aluminium-yttrium garnet. (INIS-mf – 3955) 377306
The phonon spectrum of NaI crystal. 348856
Kroth, K.
Investigation of the impurity hyperfine field polarization in polycrystalline rare earth ferromagnets. 350746
The magnetic moments and halflives of the $5/2^-$ states in ^{199}Hg and ^{197}Hg and the discrepancies in the experimental hyperfine fields at Hg in Fe. 356812
Krotkij, A.I.
EPR investigation of ferroelectric phase transformation in lead germanate activated with trivalent gadolinium. (INIS-mf – 3955) 377286
Krotkus, A.
Influence of a magnetic field on the effects of hot electrons in n-type InSb. 368766
Some specific features of the Gunn effect in n-type InSb. 348778
Krotov, V.E.
Dissolving mechanism and solubility of zirconium dioxide in molten equimolar mixture of sodium and potassium chlorides. (INIS-mf – 4193) 375486
Krotov, V.I.
Investigation into radiation-induced porosity at ILU-100 accelerator. (FEI – 652) 357421
Nickel blistering by helium ions irradiation. (INIS-mf – 3996) 377227
Krotova, M.D.
Investigation of anode-anionic activation of oxidized niobium. 359867
Krotova, N.A.
Radiation action of mechanoelectrons. 369794
Krotscheck, E.
Convergence of hypernetted-chain calculations for extended Fermi systems. 372635
Properties of the optimum Jastrow function. 362000
Kroupa, F.
Mechanical properties of ordered alloys. (KFK-tr – 532) 349484
Kroupa, J.
Emanation thermal analysis for characterizing diffusion properties of Ba-phthalate, -isophthalate and -terephthalate. 369520
Krovyakova, V.M.
Hydrogen pick-up effect on the deformation characteristics of the 20 steel. 375898
Krtil, J.
Destructive and non-destructive methods for controlling nuclear materials for safeguards purposes in Czechoslovakia. 371286

X-ray fluorescence determination of uranium. I. 352817
Kruchinkina, V.I.
Ordering in Se-Te solid alloys. 361454
Krueger, A.J.
Solar proton event: influence on stratospheric ozone. 372186
Krueger, D.
An enzymatic approach to the labelling of tryptophan residues in peptides and proteins. 370445
Krueger, F.R.
Experimental investigation about the mechanism of fission-fragment induced desorption. 363887
Krueger, F.W.
Methods of establishing limits on discharge to the environment of radioactive material emerging from the fuel cycle. 367820
Krueger, H.
Channel-coupling theory of covalent bonding in H_2: A further application of arrangement-channel quantum mechanics. 358777
Direct observation of multiphoton processes in laser-induced free-free transitions. 350692
Nuclear magnetic shielding and quadrupole coupling of ^{133}Cs in cesium salt powders. 355990
Krueger, J.G.
Overlooked perturbations and completeness. 366581
Krueger, M.
Measurement of $\pi^-p \rightarrow \pi^0 n$ at large momentum transfer. 372503
Krueger, W.
Attachment system for nuclear reactor fuel rods and the like. (German (F.R.) patent document 2520233/A/) 355328
Kruer, W.L.
Brillouin scatter in laser-produced plasmas. (UCRL – 79769) 366615
Laser light absorption due to self-generated magnetic fields. 350884
Light absorption and scattering mechanisms in laser fusion plasmas. (UCRL – 80153) 377341
Theoretical interpretation of angle- and polarization-dependent laser light absorption measurements. (UCRL – 79628(Rev.1)) 361637
Krug, G.K.
Calculation of non-stationary operating conditions of extraction cascades. 349267, 357041
Krug, J.
Sequential decay in the $^{10}B(d, 3\alpha)$ reaction at 360 keV. 372799
Krug, W.
Development and irradiation testing of GCFR fuel elements in the Federal Republic of Germany. 379768
Kruger, B.J.
The uptake and release of ^{18}F by rat liver. 365438
Kruger, G.B.
Design of the US-CRBRP sodium/water reaction pressure relief system. (CONF-760735 – 2) 379775
Leak detection system design and operating considerations for the US-CRBRP. (CONF-760735 – 1) 379774
Kruger, J.
Health physics practice. (INIS-mf – 4203) 376225
Radiation detection. (INIS-mf – 4203) 376641
Kruger, M.
Observation of a meson $X \rightarrow 2\gamma$, with mass 2.85 GeV/c^2, produced in the charge-exchange reaction $\pi^-p \rightarrow Xn$ at 40 Gev/c. 377780
Kruger, R.P.
Automated computer analysis of plasma-streak traces from SCYLLAC. (LA-UR – 77-2582) 377568
Image restorations constrained by a multiply exposed picture. (LA-UR – 77-1790) 360740
Kruglevskij, V
Atom interactions at mean internuclear ranges. (INIS-mf – 3915) 348699
Kruglikov, G.V.
Storage of fast reactor spent fuel at the reactor site and in reprocessing plants. (IAEA-AG – 63-17) 368200
Kruglikov, P.A.
Nuclear power plant. (Soviet patent document 431559/A/) 350256
Kruglov, A.K.
Aspects of nuclear safety at power plants and fuel cycle plants in the USSR. 370582
Economic aspects of the development of nuclear power and fuel-cycle plants in the USSR. 366127
Nuclear research and technology serve the national economy of the USSR. 350459
Kruglov, S.P.
π-meson chanel of the LIYF AS USSR synchrocyclotron. 360721
Measurement of an average momentum and composition of secondary particle beams from accelerators. 363281
Kruglov, V.I.
Mechanism of photodeformation in cadmium sulfide low-ohmic monocrystals. 356006
Kruglov, V.P.
Corrosion resistance of structural materials of WWER-type nuclear reactor and migration of corrosion products in coolant loops. 367184
Organization and methods of control of primary circuit equipment integrity. 367989
Performance of Novovoronezh nuclear power plant fuel assemblies. 368147
Kruglov, V.V.
Monitor for a charged particle pulse beam. (JINR – 13-8618) 350311
Kruglova, I.M.
About the effect of a bound state on ionization cross sections in ion-atom collisions. 371505
Cross sections for the Mα, Mβ and Mγ X-ray production in Pt and Pb as a function of the proton energy. 377098
Kruglyakova, K.E.
On the dual nature of propyl gallate action during the irradiation of DNA. 354745
Kruglyashov, A.L.
Nature of conductivity of strontium orthomolybdates depending on composition of compounds and thermodynamic parameters of medium. 378415
Krugmann, H.
Radioactive wastes: a comparison of U.S. military and civilian inventories. 368359
Krukowska-Fulde, B.
Influence of uniaxial stress on EPR spectrum in $CdF_2:Eu^{2+}$. 377294
Krulikovskij, B.K.
Effect of external electric fields on Gd^{3+} EPR in $KTaO_3$. 374713
EPR and electrofield effects in $NaCl:Eu^{2+}$ and $NaCl:Mn^{2+}$ single crystals. 348819
Krull, W.
An installation for the irradiation of large silicon monocrystals for the production of power thyristors. 355076
Kruminya, A.E.
High spin levels of sup(144)Nd excited in the (α,2n) reaction. 359457
Krumlinde, J.
General features of nuclear high spin states. 354081
Oblate high spin isomers. 361952
Krumme, J.
Pinning of 180° Bloch walls at etched nuclear tracks in LPE-grown iron garnet films. 373357
Krumpholz, H.
Required standards for beam protection dosimeters. 376833
Krupa, D.
High energy particle interactions. 353090, 353096, 353123, 353124, 353754, 353758, 353767, 353780, 353793, 353797, 353803, 353816, 353850, 353860, 353872, 353873, 353881, 353882, 353883, 353887, 353906, 353915, 353924, 353974, 353977, 356430, 356450, 356452, 356456, 366854
Krupanidhi, S.
Utilization of palmitic acid-1-^{14}C in active and aestivated garden snail Cryptozona ligulata Ferrusac. 367637
Krupchitskij, P.A.
On a magnet configuration to trap ultracold neutrons. (ITEF – 44) 365712
Space parity nonconservation in nuclear interactions. 364732
Krupin, N.I.
Measurement of mass of the phi-1019 resonance. (JINR-D – 1,2-9342) 356490
Krupin, V.A.
Light impurities in a tokamak plasma. (IAE – 2586) 368967
On the basic factors determining the behaviour of impurities in Tokamak's plasma. 348916
Krupke, W.F.
Advanced lasers for power production. (UCRL – 52000-77-8) 377459
Optical gain at 1.06 μm in the neodymium chloride-aluminum chloride vapor complex. 368960
Krupman, L.I.
Choosing refractories for casting steel through flow gate. 360027
Krupnov, V.E.
Standard logic elements in the 'Chereshnya' unified structure. (ITEF – 62) 376716
Krusche, H.S.
Mechanical design of the Doublet III indented vacuum vessel. (GA-A – 14591) 371776
Kruse, H.
Instrumental neutron activation analysis of lunar samples and the identification of primary matter in the Lunar Highlands. 375384
Kruse, H.G.
The uranium ore demand of reactor system. 371253
Kruse, L.W.
Neutron diagnostic system for particle beam fusion experiments. (SAND – 77-0916) 350926
Kruse, T.H.
Sensitivity of (α,α') cross sections to excited-state quadrupole moments. 354139, 372701
Systematics of M_{04} values in the rare-earth region. (ZfK – 336) 364715
Krushkov, I.
Peculiarities of the late clinical manifestation of local radiation injury. 367528
Suicide with cesium 137. 373570
Krutein, J.
Vibrational excitation of CO by proton impact: energy dependence of the differential cross section for forward scattering. 355890
Krutenkova, A.P.
Some characteristics of the inclusive process $\pi^- + p \rightarrow \pi^+ +$ all in the fragmentation range of the incident particle at 2,69 and 3.25 GeV/c. (ITEF – 20) 356476
Krutij, V.N.
Investigation into mechanism of hydrogen transfer from alcohol to ketone in the presence of $RhCl(PPh_3)_3$ and $RuCl_2(PPh_3)_3$ complexes. 375564
Isomerization and reduction of 1-hexene-5-one in the presence of $RuCl_2(PPh_3)_3$ and $RhCl(PPh_3)_3$ complexes. 367126
Reduction of unsaturated ketones by 2-propanol catalysed by the $RhCl(PPh_3)_3$ and $RuCl_2(PPh_3)_3$ complexes. 375565
Krutikov, A.V.
Spectra of Sm^{2+} in $KMgF_3$ and $NaMgF_3$ crystals. (INIS-mf – 3955) 378424
Krutikov, M.G.
Neutron methods of element analysis of geological samples with

recovery of isotopic sources. (INIS-mf – 3994) 378175
On the question of precision and the correctness of instrumental neutron activation analysis of geological samples. (INIS-mf – 3994) 378103
Practical aspects of neutron activation analysis application in search and exploration of minerals in the USSR. 349654
Krutikov, V.F.
Joint EPR and optical investigations of Cd^{+} and Zn^{+} ions in CaF_2 crystals. (INIS-mf – 3955) 362159
Krutogina, N.A.
Phase composition and properties of nitrided layer of low carbon stainless steels. (INIS-mf – 4046) 369920
Krutous, A.I.
On praseodymium, neodymium, holmium and erbium complexing with chloride ion in n-propanol. 375493
Krutyakov, V.M.
Contribution of the protector adsorbed by the active site to the enzyme protection against γ-radiation. 362632
Induction of unscheduled DNA synthesis in chromatin in vitro. 349698
Kruus, R.A.
Convective heat transfer in a tube cluster on asymmetric flow-around. (INIS-mf – 3957) 365695
Kruuv, J.
The radiation response of cultured mammalian V79-S171 cells exposed to a wide concentration range of sulphate salt solutions. 378974
Kruzhalov, A.V.
Chemical preparation and properties of new complex orthovanadates $M_3^{+}M^{3+}(VO_4)_2$ and $M_2^{+}M^{4+}(VO_4)_2$. 351488
Kruzik, F.
Application of multigroup difference methods. 350227
Kruzliak, J.
Czechoslovak-made Nb_3Sn superconductors. 367236
Kryachko, A.P.
GTI-742 stroke pulse generator made in the CAMAC standard. (JINR – 10-9800) 376710
PSS-313 start-stop unit in the CAMAC standard. (JINR – 10-9641) 379968
160 MHz decimal counter with digital indication in the CAMAC standard. (JINR – 10-9520) 379966
Kryachko, V.V.
Study of the phase equilibrium boundary in Bisub(0.52)Sbsub(1.48)Tesub(3)-Te. 378614
Krych, B.
Method of measurement of the effective energy of X-rays in diagnostic X-rays departments. 355038
Krygier, B.
Coronal electron irregularity variations related to solar activity cycles. 377609
Krygier, E.E.
Biological transport of zinc-65 into the deep sea. 373444
Krylashchenko, Z.A.
Universal method for revealing primary structure in cast alloys on iron-nickel-chromium and nickel-chromium base. 357243
Krylov, B.N.
Method for ion exchange extraction of gallium-68 from solutions. (Soviet patent document 416977/A/) 357103
Krylov, C.Yu.
Radiation graft of monomer to cotton fabric by means of an electron accelerator. 367162
Krylov, E.I.
Luminescence of polycrystals of lanthanum heptatantalate activated by europium. (INIS-mf – 3955) 377322
Magnetic and spectroscopic properties of vanadyl oxalates and their complexes with hydrazine. 351547
Krylov, O.V.
Investigation into oxide bismuth-molybdenum-containing catalysts by X-ray phase analysis and diffuse reflection spectroscopy. 378324
Mechanizm of propylene oxidation on modified cobalt-molybdenum catalysts. 349248
On the nature of active centres of propylene disproportionation catalysts. 372945
Krylov, S.A.
Determination of relative probabilities of the Ksub(μ2)sup(+), Ksub(π2)sup(+), Ksub(μ3)sup(+) and Ksub(e3)sup(+) decays using a magnetic spectrometer with streamer chambers. (ITEF – 28) 361902
Krylov, S.Yu.
Modernization of electron accelerator on the base of the RUP-400 x-ray unit. (INIS-mf – 4194) 379485
Krylov, V.N.
Study of mechanism of ion exchange on amorphous hafnium phosphate by infrared spectroscopy. 349212
Krylov, V.S.
Lattice phonon spectrum of zirconium dioxide and solid solutions on their base. 348857
Some transition metal oxides as stabilizers of tributyl phosphate emulsions. 378402
Krylova, I.V.
Exoelectron emission under ultrahigh vacuum conditions. 354531
Exoemission. Chemical aspect. 349246
On the nature of exoelectronic emission from crystal phosphors. 2. Sulphates. 349243
Thermostimulated exoemission and adsorption centres of BeO-ceramics. 370222
Krylova, L.D.
Hydrogenetion of unsaturated compounds at irradiated by α-and β-particles catalysts. 373091
Krylova, N.V.
Management of wastes from fast reactor fuel reprocessing. (IAEA-AG – 63-22) 363670
Thermal, chemical and radiation stability of vitrified radioactive waste. 358524
Krymm, R.
Demand and supply estimates for the nuclear fuel cycle. 366161
Financing of nuclear power plants in developing countries. (AED-Conf – 76-660-036) 352901
Krymskij, G.F.
Study on the long-period variations of galactic cosmic ray distribution in the interplanetary magnetic field. 357538
Kryn'ko, Yu.N.
Experimental and calculated characteristics of electron inelastic scattering. 364623
Krynetskij, I.B.
Effect of ground state character of a rare-earth ion on magnetic transitions in orthoferrites. 355950
Krynicki, J.
Ionization enhanced annealing in phosphorus implanted silicon. 368882
Krys'kiv, A.S.
On the fracture toughness evaluation using a cylinder with a segment-shape crack. 375885
Krystman-Mazgajska, E.
Assessment of radiation exposure of personnel during clinical application of radioactive iridium. 373565
Exposure of personnel to ionizing radition during implantation of metallic radioactive gold (^{198}Au). 367824
Krystof, V.
Eye protection in electron beam therapy. 379323
Kryter, R.C.
Loose-parts monitoring: present status of the technology, its implementation in U.S. reactors, and some recommendations for achieving improved performance. (CONF-770902 – 5) 368112
Kryuchkov, V.P.
Sensitivity of a boron counter in a moderator to high energy hadrons. (INIS-mf – 3846) 350286
Kryuchkov, Yu.
Determination of the lattice location of ^{16}O implanted into Si and Ge crystals. (INIS-mf – 3996) 363981
Lattice location of ^{16}O implanted in Si crystals by backscattering. 371577
Kryukov, A.I.
Spectroscopic study of interaction of vanadium oxotrichloride with alcohols. 359641
Kryukov, A.P.
Experimental investigation of digital algorithms for direct control of neutron flux on the IRT-2000 reactor. 376461
Kryukov, I.I.
Management of wastes from fast reactor fuel reprocessing. (IAEA-AG – 63-22) 363670
Kryukova, A.B.
Radiation-vulcanized rubber mixture. (Soviet patent document 461934/A/) 378529
Kryukova, A.I.
Investigation into Pr, Nd, Pm complexing in melts of chlorides and nitrates of alkali metals. (INIS-mf – 4193) 375494
On the interaction of uranium(6) and uranium(4) oxides with zirconium pyrophosphate in melts of alkali metal chlorides. Products of interaction (uranium phosphates). 369748
Reaction of certain fragment element oxides with zirconium phosphate in melt of alkali metal chlorides. (INIS-mf – 4193) 375495
Kryukova, Eh.I.
Industrial tests and application of porous AN-21 anion exchanger for rhenium extraction. 359644
Kryukova, L.M.
Effect of differnt doses of ionizing radiation on the level of phytohormones in plants. 349729
Study in the allergic activity of plant radiotoxins intracutaneously injected into irradiated animals. 360260
Krzakowski, Z.
The effect of intra-articular hydrocortisone injections on healthy rat joints. Pt. 1. Incorporation of ^{35}S sulphates into glucosaminoglycans of articular connective tissue. 373601
Krzeminski, W.
He II lambda4686 photometry of HD 153919. (CONF-7510169 –) 364357
Krzhivanek, M.
Current reversing in the correction coils of the U-120M isochronous cyclotron. (JINR – 13-9624) 350060
Krzyszkowska, W.
Carcinoma of rubor labiorum – assessment of results with particular reference to treatment with X-rays. 367544
Krzywdzinski, S.
Inclusive data in proton-nucleus collisions at 67, 200, and about 3000 GeV. (INP – 872/PH) 375063
Krzyzanowski, S.
Nature of radicals formed during adsorption of unsaturated hydrocarbons on rare earths-exchanged zeolites of X type. 378322
Krzyzowska-Gruca, S.
Ingestion and digestion of erythrocytes by non-irradiated and irradiated macrophages. 373492
Kshirsagar, S.G.
Radiostrontium distribution measured in vitro between bound and free forms in the soft tissues of rat. 365439
Kshnyaskin, V.M.
Study on reliability of electron accelerators by the Monte Carlo

method. (INIS-mf – 4194) 376376
Ku, L.
Monte Carlo study of the mechanisms of transport of fast neutrons in various media. 372561
Ku, L.P.
Neutronic calculation and cross section sensitivity analysis of the Livermore mirror fusion/fission hybrid reactor blanket. (PPPL – 1370) 361573
Ku, S.M.
Boron-implanted silicon resistors. 352844
Ku, T.
$^{122}Xe - ^{122}I$ generator: a preliminary report. (BNL – 22993) 352343
Ku, T.L.
Fossil manganese nodules from Timor: geochemical and radiochemical evidence for deep-sea origin. 373410
Uranium in open ocean: concentration and isotopic composition. 365308
Kuan, T.S.
The direct imaging of a linear defect using diffuse scattering in Zr-Nb b.c.c. solid solutions. 365162
Kuanysheva, K.Z.
Method for iodine extraction. (Soviet patent document 300058/A/) 375587
Kubach, R.A.
Neutron tube fabrication, assembly and processing. (SAND – 77-0300) 365658
Kubachek, V.V.
Vanadium effect on recrystallization of chromium-molybdenum and chromium-nickel-molybdenum steels. 369978
Kubantsev, M.A.
Further search for muonic pairs in the neutrino and antineutrino beams at the IHEP 70 GeV accelerator. 353927
Observation of muon pairs in neutrino interactions at Serpukhov 70 GeV accelerator. 361870
Kubarovski, V.P.
J/psi particle production in π^--N interactions at 27 and 40 GeV/c. 369364
Kubaschewski, O.
The thermochemical properties of solid and liquid iron-vanadium alloys. 365163
Kubaschewski, P.
The influence of accidents with water ingress on the behaviour of THTR-300 fuel elements. 370971
Kubasov, V.A.
Heating a dense theta-pinch plasma with strong fast-rising magnetic fields. 348894
Investigation of dense plasma heating in linear theta-pinch with strong fast-rising magnetic field. (INIS-mf – 3963) 371770
Kubasov, V.L.
Effect of conditions of decomposition of ruthenium hydroxychloride. 349231
Way of preparation of aqueous solutions containing ruthenium compounds. (Soviet patent document 469665/A/) 354348
Kubasova, T.
Early detection of radiation-induced cell membrane alterations by lectin-binding. 354780
Kubassek, E.
K/C age determination in potassium fieldspars. 375987
Mass spectrometric isotope dilution analysis of small calcium concentrations in minerals. 367034
Kube, W.R.
Technology and use of lignite. (GFERC/IC – 77/1) 379618
Kubesh, P.
Effect of turbulence characteristics on heat transfer while transverse stream-lining of a cylinder. (INIS-mf – 3957) 363103
Kubicek, F.
Bolus dynamics in functional disorders of the right heart. (INIS-mf – 4010) 362840
Kubicek, P.
Problems of continuous radiometric weigher. 367888
Kubicela, A.
Apparent yearly precession of the Sun. 366718
Kubicz, S.
Protection of organism against unnecessary ionizing radiation in stomatology. 367816
Kubik, I.
Hygiene problems in building a nuclear power and heat plant near Bratislava. (INIS-mf – 4055) 367743
Kubik, V.M.
Associated multiplicities in $K^+p \rightarrow K^0X$, $K^+p \rightarrow \pi^-X$ reactions at 32 GeV/c. 369346
Kubin, M.
Applications of radioactive tracers in chemical flow reactor study. VI. 379421
Kubis, J.J.
Laser driven compression and neutron generation with spherical shell targets. 371777
Kublanovskij, V.S.
Chronopotentiometric determination of stability of pretonated cadmium complexes with ethylenediaminetetraacetate. 375497
Investigation of complexing in the cadmium (2) – ethylene diamine tetraacetate – water system by the method of proton resonance. 375496
Kublik, L.N.
Seasonal oscillations of the radiosensitivity of cells in culture. 349694
Kubo, Haruya
Electron flux measurement with the ESP on K-10-12 rocket. 349681
Kubo, K.-I.
Mixing of the 0g orbit in ^{20}Ne and the analysis of a one-step forbidden transition. 354121
Kubo, Katsumi
Device for detecting radioactivity in a liquid metal coolant. 379790
Kubo, T.
Vacuum system for the KEK proton synchrotron. 363257
Kubodera, Kuniharu
Feeding of ^{8}Be via β- and γ-transitions. 366944
Kubodera, Tadayoshi
Synthesis of ^{14}C-labelled alkylbenzene sulfonate. 354406
Kubono, Sigeru
$^{12}C(p, t)^{10}C$ and $^{12}C(p, ^3He)^{10}B$ reactions at Esub(p) = 51.9 MeV. 354277
Kubota, Akio
Development of new radionuclide bolus injector and evaluation of bolus using venous phantom. 360392
Kubota, C.
Recent progress in KEK preinjector. 363231
Kubota, Jun
An interpretation of hydrogen and helium line spectra of the loop prominence observed on November 3, 1973. 349012
Kubota, Kou
Studies of linear Gramicidin synthesis in Bacillus brevis ATCC 8185. 349848
Kubota, M.
Preparation of ^{99}Mo, ^{132}Te isotopes and sup(99m)Tc, ^{132}I generators. 367094
Kubota, Masumitsu
Method of partitioning high-level fuel reprocessing waste. (JAERI-M – 7206) 378473
Sequential cation-exchange separation of molybdenum-99 and tellurium-132 from neutron irradiated U_3O_8. 359739
Kubota, Noboru
Study of zinc inclusion in electrodeposition of silver by using radioisotope ^{65}Zn. 367095
Kubota, Tadashi
Development of cosic gamma ray detector in the vicinity of 10 MeV. 379898
Kubota, Yusuke
Observation of REB acceleration accompanied with beam focusing. 353640
Kubyshev, N.N.
Rhenium extraction from zinc-cadmium solutions at the Chimkent lead plant hydroshop. 351709
Kuc, G.
Determination of plutonium in the presence of uranium by alpha spectrometry. (INR – 1478/22/C/C) 375300
Kuc, T.
Determination of radiocarbon in water by gas or liquid scintillation couting. 373437
Kucab, M.
Spin P-symmetry of magnetic crystals. Monoclinic and orthorhombic structures. (JINR-E – 4-10788) 366430
Kucera, G.H.
Chemical Engineering Division physical inorganic chemistry. Annual report, July 1975 – June 1976. (ANL – 76-101) 364847
Kucera, J.
Digital calculation of peak area and the threshold of determinability in activation analysis. (INIS-mf – 4143) 374349
Testing pipes of sodium-heated steam generators. (INIS-mf – 4211) 379631
Kucerova, V.
Prostaglandin Fsub(2α) radioimmunoassay in plasma. 379192
Kuchar, L.
Use of radioisotopes in studying admixture distribution in zone refining. 379403
Kucharski, M.
Preparations of targets, target backings and radioactive sources. (INR – 1551/1/C/B) 375498
Kucher, A.A.
Phosphorescence of complexes of some elements of group 3 with β-diketones at room temperature. 349265
Kucher, G.A.
The effect of scattering indicatrix approximation and of constants representation on the results of calculating characteristics of iron-shielded neutron fields. 377841
Kucher, V.G.
Radioisotope devices at Novo-Krivorozhskij-ore-enrichment plant. 349954
Kucherenko, Eh.I.
A mixed problem for Einstein equations and an approximate method of its solution. 358666
Kucherenko, N.E.
Acetylation of rat liver histones in case of radiation injury. 376113
Kucheriavy, V.I.
On some algorithmic features of the subtraction procedure in quantum field theory. 353105
Kucherkova, V.
Radiation vulcanization of polymer film – economical analysis. (INIS-mf – 4194) 376823
Kucherov, A.S.
Production of intensive negative hydrogen ion beams. 350071
Kucherov, V.F.
1,4-shift of bromine during alkynes acylation with α-bromoacyliumtetrafluoroborates. 372970
Kucheruk, V.P.
Distribution of Te and Ge impurities in layers of Alsub(x)Gasub(1-x)As. 378331

Kucheryaev, V.A.
Behaviour of corrosion products of reactor materials. 375393, 375725, 375726, 375727
Kucheryavenko, E.P.
Measurement of spectral parameters in slow neutron fields using cadmium ratios for activation detectors. 350341
Kuchiev, M.Yu.
Singularities of the forward elastic scattering amplitude of electrons on atoms. 368607
Kuchinov, V.P.
International safeguards to ensure the non-proliferation of nuclear weapons. 371302
Kuchinskij, V.G.
Induction storage with current electromagnetic multiplication. (INIS-mf – 3954) 361563
Kuchitsu, K.
$CN(B^2\Sigma\text{-}X^2\Sigma)$ emission spectra from cyanides produced in collision with electrons, metastable atoms and photons. 368664
Ionization of long-lived highly excited atoms by collision with benzene and some other molecules. 377038
Kuchitsu, Kozo
Elastic scattering of electrons by molecules at intermediate energies, 2. 348687
Kuchkarov, A.B.
Sorption characteristics of phosphorus-nitrogen-containing cationites to bivalent ions. 369585
Kuchler, R.
Selection procedures for nuclear power plant personnel. (EPRI-SR – 28) 352256
Kuchmij, S.Ya.
Spectroscopic study of interaction of vanadium oxotrichloride with alcohols. 359641
Kuchnir, F.T.
Comparison of two independent methods for determining the neutron/gamma sensitivity of a dosemeter. 350340
Kuchtina, I.N.
Proton scattering on ^{238}U and the probable isobaric analogue resonances. 356579
Kuchynka, D.
Application of activation analysis in assessing corrosion properties of steel. (INIS-mf – 4143) 372889
Kuck, O.
Construction work on the site. 376569
Conversion of the KNK fuel pit. 371065
Kuckuck, H.
Superconducting magnet coil. 367915
Kuczera, B.
Analysis of hypothetical overpower accidents in the SNR-300 Mark 1A core with modeling of failure incoherence. 374264
Effect of failure incoherence in a LMFBR hypothetical overpower accident. (CONF-761001 – P3) 365598
Kuczynski, G.
Science of sintering. 351710
Kudasheva, N.P.
Harmful effect of nitrite salts of a monomer- Am^{241} and polymer-Pu^{239} on the organs and systems of maximum deposition of radiation sources after inhalation of drastically toxic amounts. 360321
Kudashov, O.G.
Diffusion annealing effect on structure and properties of nickel coating on copper alloy. (INIS-mf – 4046) 369979
Kudel'kin, V.P.
Effect of ultrasonic treatment of liquid melt on micro-chemical inhomogeneity and plasticity of nickel base heat resisting alloys. (INIS-mf – 3914) 349523
Effect of ultrasonic treatment on high tensile nickel base alloys properties. (INIS-mf – 3914) 349401
Kudela, K.
Determination of the spectral characteristics of electron pulsations according to the Intercosmos-5 data. 367443
Diffusion of solar protons from the flare of August 7, 1972. 357535
Kudelasek, Z.
Fast neutron counting efficiency of stilbene crystal. 371116
Kudella, F.
Enhancements of Xe(M)-radiation during bombardment of copper crystals with Xe-ions in low indicated directions. (INIS-mf – 3996) 364055
Kudesia, V.P.
Gravimetric estimation of thorium(IV) and zirconium(IV). 375301
Kudin, V.N.
Organization of digital computer operating in the automatic data collection and control system for the 70 GEV proton synchrotron. (IFVE-PKU – 75-80) 350441
Kudinov, A.V.
Straight-line path method and eikonal problem. (JINR-R – 2-10636) 372448
Kudinov, V.I.
Investigation of the muonium stage of μ^+ meson depolarization in germanium. 368824
Kudinov, V.V.
Conditions for producing tensile adhesion of reinforcing fibers to matrix in plasma semi-products of composite materials. 365127
Development criteria of protective coating of the thermonuclear reactor first wall by plasma methods. (INIS-mf – 3954) 362448
Optical properties of sprayed coatings. 369652
Kudlacek, R.
Equipment for liquid phase radiation reaction in the presence of solid. 378536
Kudlak, S.M.
Effect of preliminary loading on the strength of the EhLN-1 alloy. 375856
Multispecimen test machine for fast evaluation of steam turbine condenser tubes performance. 375732
Kudo, H.
On the coherent electronic excitation of channelled He^+ ions. 366439
Tritium release from neutron-irradiated Li_2O pellets. 357427
Velocity measurement of fast ions by Doppler shift of light emitted from ions passed through thin foil. 368667
Kudo, Kazuhiko
Core catcher in a reactor. 368214
Emergency core cooling device. 379776
Sodium vapor deposition onto a horizontal flat plate above liquid sodium surface, 2. 360983
Kudo, M.
Atomic radii and lattice parameters of the A15 crystal structure. 353746
Kudo, Toshiaki
Characterization of a cold-sensitive chromosome segregation mutant of Escherichia coli. 349849
Kudoh, K.
rf acceleration in KEK booster. 363278
Kudoyarov, M.F.
Lifetimes of ^{54}Mn excited states. 378027
The lifetimes of excited levels in ^{67}Zn, ^{69}Ge, and ^{72}Se. (ZfK – 336) 364792
Quasi-rotational bands in ^{80}Kr. (ZfK – 336) 364769
Kudryashov, L.N.
Two-dimensional model of a large power sodium-cooled fast breeder reactor with an oxide fuel for test calculations. (NIIAR-P – 4(270)) 350272
Kudryashov, V.I.
On polarization phenomena in some nuclear reactions induced by protons in light and intermediate nuclei. 375198
Kudryashov, Yu.B.
Action of radioprotective drugs on the level of adenosine cyclic 3',5'-monophosphate and on the activities of adenylate cyclase and adenosine cyclic 3',5'-monophosphate phosphodiesterase. 349753
Changes in the potassium permeability of phospholipid membranes upon radiation-induced peroxidation. 349697
Effect of radioprotective biogenic amines on peroxide oxidation of lipids in rat small intestine mucosa microsomes. 365399
On the role of linoleic acid hydroperoxides in the bone marrow lesion and death of irradiated mice. 370348
Radioprotective action of liposomes containing serotonin. 362661
Taurine content of tissues of irradiated rats. 370336
Kudryavtsev, A.Kh.
Effect of heterogeneous factor in reaction of radiation-thermal cracking of propane. 373082
Kudryavtsev, A.M.
Measurement of stripping cross-section of hydrogen atoms on a pulse gas target in the 3-0,5 KeV energy range. (INIS-mf – 3915) 371503
Kudryavtsev, B.A.
Study of the crack growth arrest in laminated metal composites. 375852
Kudryavtsev, M.I.
Correlation of hard x-ray source positions with globular clusters. 369037
Observation of discret sources of hard x radiation on the "Kosmos-428"satellite. 376611
Kudryavtsev, V.D.
Recovery of small intestine mucosa of rats in acute radiation sickness of the intestinal type. 349745
Kudryavtsev, V.N.
Division analog circuit for semiconductor position-sensitive detectors. 376744
Kudryavtsev, Val.N.
On mechanism of thermostimulated current appearence in irradiated polymers. 378803
Kudryavtzeva, A.A.
To the action mechanisms of bioprotectors. 354766
Kudyakov, V.Ya.
Stability constants of fluoride, chloride and bromide complexes of thorium in halide melts. (INIS-mf – 4193) 375643
Kuechle, M.
Considerations on a PAHR test facility. (CONF-761001 – P1) 362870
Kuechler, E.
Identification of the tRNA-binding sites on rat liver ribosomes by affinity labeling. 352094
Kueck, H.
Measured angular distributions of proton compton scattering at photon laboratory energies of 700, 750 and 800 MeV. (BONN-HE – 77-17) 364583
Kueffer, K.
Nuclear power-plant performance analysis. 363447
Operating experience with 13 light-water reactor in Europe. 363448
Kuefner, K.
Benchmark calculations for a sodium-cooled breeder reactor by two- and three-dimensional diffusion methods. 363496
Comparison of the performance of several neutron diffusion computer codes for a fast breeder reactor. 350114
Reactor theory and physical experiments. (KFK – 1277/2) 370795
Kuegler, K.J.
A magnetic storage ring for neutrons. 379504

Kuegler, S.
Scintigraphic abscess localization with sup(99m)Tc-labelled leukocytes in comparison with ^{67}Ga-citrate. 349806
Kuehbauch, W.
Translocation of ^{14}C assimilates in Rumex obtusifolius and Polygonum bistorta. 376196
Kuehl, T.
Nuclear shape staggering in very neutron-deficient Hg isotopes detected by laser spectroscopy. 351385
Kuehn, B.
Experimental investigation at the tandem accelerator EGP-10-1 of the Central Institute of Nuclear Research, Rossendorf. 357937
The neutron-proton final-state interaction in proton-induced deuteron break-up at 8.5 MeV. 372760
Kuehn, J.H.
Hadron production in nuclear collisions – a new parton-model approach. 372373
Kuehn, K.
Disposal of nuclear wastes. 368391
Recent results and developments on the disposal of radioactive wastes in the Asse Salt Mine. 358523
Kuehn, W.
Application of the β-absorption method to measure dew on soil and plant surfaces. 356933
On the movement and distribution of calcium in white cabbage in dependence of the water status. 362590
Kuehnel, R.
Spent fuel element storage. 370862
Kuehner, G.
High resolution inelastic electron scattering and the excitation of magnetic dipole and quadrupole states in nuclei. (IKDA – 77/13) 364796
Kuehner, J.A.
The effective T = 1 two-particle matrix elements in the fp shell. 378076
Levels in ^{71}Ge studied with the ^{68}Zn(α,nγ)^{71}Ge reaction. 356799
Spin-parity combinations in ^{32}P from the ^{34}S(d(pol), α)^{32}P reaction. 366964
Kuehnlein, W.
γ-spectrometric burn-up measurements on spherical fuel elements. (Juel – 1428) 355421
Kuellmer, V.
Polynuclear carbonyl-chalcogenides of rhenium. 364991
Kuelzer, H.
Anisotropy of track registration in natural feldspar crystals. 370227
Kuemmel, H.
Many-fermion theory in expS- (or coupled cluster) form. 377907
Kuendig, C.J.
Vacuum gauges for nuclear technology. 352845
Kuendig, W.
Depolarization of positive muons in Cu. 377172
Muon spin orientation (μSR) in ferromagnets and semiconductors. 377193
Muon spin rotation (μSR) in α-Fe_2O_3. 377194
Muon spin rotation (μSR) in Gd. 378630
Muonium states in silicon. 377195
Kuenstle, K.
Process steam from LWR reactors. 370920
Kuenstler, K.
Problems of technology and corrosion in sodium coolant and cover gas. (ZfK – 337) 378552
Kueper, K.
Quantitative whole-body bone scintigraphy for the diagnosis of systemic skeletal diseases. (INIS-mf – 4010) 357673
Kuepers, G.
A method to calculate pressure waves in steam lines. 370923
Kuepfer, H.
Dependence of the critical current density of superconductors on the past history of the magnetic field and the temperature. 356363
Kuepper, W.
Functional scintigraphy after radiotherapy of the skeleton – an experimental investigation on animals and a clinical investigation. (INIS-mf – 4010) 357675
Kuesters, H.
DAtF-KTG-Reactor Meeting 1977 in Mannheim. 355362
Kufbida, R.P.
Parametric resonance in a proton linear accelerator. (ITEF – 87(1975)) 360712
Kuffner, A.R.
Safety information system cataloging. (ERDA – 76-45/10) 357793
Kugaj, L.N.
Determination of free boron in rare earth hexaborides. 351444
Kugel, R.
Normal coordinate analyses of the neutral CO_3 and SO_4 molecules. 350639
Kugeler, K.
Design considerations on high-temperature reactors for process heat applications. 379703
Development of helium-heated steam reformers. 379688
Nuclear process heat at high temperature: Application, realization and development programme. 379701
Kugeler, M.
Design considerations on high-temperature reactors for process heat applications. 379703
Development of helium-heated steam reformers. 379688
Kugler, E.
Licensing aspects in the verification of the SNR 300 design concept against hypothetical accidents. (CONF-761001 – P1) 362966
Kugler, G.
Confirmation of CANDU shutdown system design and performance during commissioning. (AECL – 5914) 363476
Kugler, M.
Unitarity bounds on angular distribution in multiparticle production II. 351151
Kugo, Taichiro
A V – A six lepton model without the separate conservation of lepton numbers. 359277
Kuhar, M.J.
On the relationship between [^{3}H]choline uptake activation and [^{3}H]acetylcholine release. 367591
Kuhl, D.E.
ECAT: a new computerized tomographic imaging system for position-emitting radiopharmaceuticals. (UCLA – 12-1132) 370447
Investigation of ^{18}F-2-deoxyglucose for the measure of myocardial glucose metabolism. (UCLA – 12-1142) 379114
Radiopharmaceuticals. XXVII. ^{18}F-labeled 2-deoxy-2-fluoro-D-glucose as a radiopharmaceutical for measuring regional myocardial glucose metabolism in vivo: tissue distribution and imaging studies in animals. 373600
Scanning system. (German (F.R.) patent document 2625281/A/) 355544
Kuhl, D.J.
Precision of the relative compaction test using nuclear gages. Final report. (PB – 268098) 365671
Kuhl, E.
Device for welding pipes onto pressurized elements, like tube sheets, pressure vessels, headers and the like. (German (F.R.) patent document 2519876/A/) 355148
Kuhl, W.
Hydrodynamic modeling and explosive compaction of ceramics. (UCRL – 79345) 362494
Kuhlmann, E.
Isoscalar and isovector E2 transition matrix elements in the mass A = 26 system. 375188
Kuhlmann, H.
Comparison of different methods for measurement of tubular clearance; PAH steady state method, whole-body measurements and compartment analysis of gamma camera mode renograms. (INIS-mf – 4010) 362803
Kuhlow, B.
Performance of different ultrasonic testing techniques of austenitic welds with natural flaws. 376394
Ultrasonic testing of austenitic components of sodium cooled fast reactors. (IWGFR – 10) 363401
Kuhn, B.A.
Die casting plutonium. (UCRL – 52259) 359880
Kuhn, D.
Spin and lifetime of the Ω^- hyperon. 372517
Study of the planarity in K^-p reactions at 8.25 GeV/c. 369379
Kuhn, K.
The disposal of radioactive wastes – present status, objectives and alternatives. 352876
West Germany gears up for licensing process. 376769
Kuhnen, R.
Magnetic-dipole hyperfine structure in 4d- and 5d-shell atoms. 358716
Kuhnt, D.
Procedural problems in jurisdiction. 352963
Kuhry, J.G.
Collision-induced ion-pair formation of the thallium halides TlF and Tl_2F_2 . 358803
Kuijpers, L.
Application of the unfolding technique to spectral measurements in an FTR model blanket. 368926
Tritium production in a controlled thermonuclear reactor blanket model with a graphite reflector. 350865
Kuijpers, L.J.M.
Spectrum unfolding from activation measurements in a CTR-model blanket experiment. (Juel – 1435) 356130
Kuijpers, P.
Quadrupole hyperfine structure and splitting of Δ-levels in the microwave spectra of KOH, RbOH and CsOH in the 100 GHz region. 355891
Kuikka, J.
An intravenous isotope method for measuring regional cerebral blood flow (rCBF) and volume (rCBV). 349808
Kuikka, J.T.
Changes in cardiopulmonary power due to radiotherapy of bronchogenic carcinoma measured by radiocardiography. 379067
Kuimova, M.E.
Radiolysis of hydrocarbons in the presence of carboranes-12. 349354, 378528
Kuiper, G.
Some aspects of the scientific approach of radioactive waste disposal in geological formations, ch. 5, pt. 2. (INIS-mf – 4221) 380053
Storage of radioactive waste in salt caves. (INIS-mf – 4221) 379210, 379232, 379568, 380053, 380077, 380166
Kuizenga, D.J.
Performance of the short-pulse oscillators for Argus and Shiva. (UCRL – 79535) 377460
Research studies on short optical pulse generation for the laser fusion program. Final report, 11 January 1976 – 11 March 1977. (UCRL – 13746) 364216
Kujal, J.
Physics and engineering characteristics of a LMFBR in long-term operation. 371032

Kujawa, M.J.
Effects of ^{239}Pu administered at 9 days of gestation on hematologic development of the rat. (BNWL – 2100(Pt.1)) 360320
Kujawski, E.
Benchmark analysis of liquid-metal fast breeder reactor nuclear design methods. 363512
Kujbida, R.P.
Combined operation of the I-2 injector into three beam extraction channels. (ITEF – 34) 376371
Usage of the I-2 linear accelerator in applied studies. (INIS-mf – 4194) 376353
Kukacka, R.
Radiation hygiene problems of radiopharmaceutical preparation at nuclear medicine units. 349898
Kukanov, A.B.
On application of the tetrad method in the classical radiation theory. 358667
Kukarina, L.V.
Capabilities of using extraction concentration method to analysis of lanthanides. (INIS-mf – 4191) 375302
Investigation of extraction concentration of rare earths by means of diantipyrilmethane in the presence of phosphate ions. 375288
Kukavadze, G.M.
Uranium field-ion microscopy. (KFTI – 74-47) 354566
Kukharenko, B.G.
First order magnetic phase transitions and fluctuations. 368748
Kukharskij, A.A.
Some specific features of the absorption spectrum of metal modification of samarium monosulfide. 374738
Kukhtin, A.B.
Study on associated masses and dumping factors during vibrations of cylinders in viscous liquids. (FEI – 585) 365692
Kukhtina, I.N.
Diffraction back scattering of alpha particles and the optical model. (JINR-R – 4-9519) 349126
Kuki, Motoo
The absorption, distribution, metabolism and elimination of β-(p-chlorophenyl)-GABA (Baclofen), 4. 379207
Kukisheva, T.N.
Determination of fluorine trace amounts in metallic uranium. 354297
Kuklik, A.
Nuclear states excited in the (^{3}He,xn) reactions. 354268
Verification of the sup(83m)Se(Tsub(1/2=69.2 s) decay scheme. 378026
Kuklin, R.N.
Binding energy of hydrogen in metals. 369653
Kuklyak, N.L.
On the fracture toughness evaluation using a cylinder with a segment-shape crack. 375885
Kukolev, G.V.
Automatic method of acid refining of thin-dispersed zircon. 375930
Effect of surfactants on wet zircon vibrogrinding. 375931
Kukoz, F.I.
Electrodeposition of cobalt-nickel-boron alloys and their properties. 362208
Kukula, J.
The angular correlation of the two-photon positron annihilation quanta in silicon dioxide powders. 371582
Kukulin, V.I.
Exclusion of occupied states in the Faddeev equations for three composite particles. 348598
A new many-particle variational method. 369435
Kukushkin, A.S.
A possibility of wall-protecting cold-plasma layer formation in a tokamak reactor. 371898
Kukushkin, Yu.A.
Automation spectrometric facility. (ITEF – 14(1975)) 361043
Kukushkin, Yu.N.
Interaction of ruthenium (3) and osmium (4) chlorides with tin (2) in aqueous solutions of hydrochloric and hydrobromic acids. 375404
New method for analysis of noble metals in intermediate products of nickel production. 362130
On state of platinum metals in solutions during chlorination of alloys, oxides and sulfides containing nickel. 351565
Thermal isomerization of rhenium(5) complex with diethyl phenyl phosphine. 351514
Kul'ba, F.Ya.
Ion exchange method for preparation of tungstophosphoric acid. 369654
Potentiometric study of indium (3) ions hydrolysis in aqueous-dioxane solutions. 378442
Kul'bachevskaya, E.V.
Investigation into T-x-projection of the phase diagram of SnS_2-SnI_4 system. 359991
Kul'gavchuk, V.M.
Self-powered detector for X- and γ-radiation. (Soviet patent document 438343/A/) 355545
Kul'kina, L.P.
Instrument neutron activation analysis of geological and biological objects by means of electronic computer. (JINR – 14-8562) 349194
Kul'pe, S.
Complex spectroscopic investigations of double molybdates of Ksub(5)Ndsub(1-x)Bisub(x)(MoOsub(4))sub(4)composition. (INIS-mf – 3955) 378302
Kula, M.R.
Modification of L-isoleucyl-tRNA synthetase with L-isoleucyl-bromomethyl ketone. 360398
Kulaga, A.E.
High-frequency turbulence of plasma in the "Uragan" stellarator with ion-cyclotron pumping. (KFTI – 75-19) 377510
Kulagin, N.A.
Application of the method of configuration superposition in calculations of rare-earth ion spectra. 348700
Radial integrals for each state of rare earth ions. Dependence of relative arrangement of terms on coordination sphere radius and type of ligands. (INIS-mf – 3955) 361424
Kulagin, N.M.
Roentgenographic investigation of $EuCl_3x2EuCl_2$. 362154
X-ray study of $EuCl_3x4EuCl_2$. 375406
Kulak, R.F.
Finite-element formulations for the thermal stress analysis of two- and three-dimensional thin reactor structures. (CONF-770807 – 50) 374255
Some aspects of the structural response of pool-type LMFBR systems to HCDA and seismic events. (CONF-761001 – P3) 365578
Structural response of large LMFBR head closures to hypothetical core disruptive accidents. (CONF-770807 – 47) 370585
Kulakhmetova, R.I.
Structure of tungsten coatings prepared by carbonyl method. 349550
Kulakov, B.A.
Investigation of a 90-channel Pb glass Cherenkov hodoscope. 358336
A measurement of the electromagnetic size of the pion from direct elastic pion scattering data at 50 GeV/c. 353922
Kulakov, S.I.
Features of a process for vitrifying radioactive waste without precalcination and radionuclide behaviour in the process. 358489
Kulakov, V.M.
Review of experimental work by Soviet scientists in the field of nuclear data acquisition. (INDC(CCP) – 112/LN) 356813
Kulakov, V.N.
Technique and some results of study on organic scintillators for neutron identification according to detector-current pulse shape. (IAE – 2472) 358373
Kulakov, Yu.A.
Cyclic strength of a precipitation hardening steel after strain hardening following high tempering. 370000
Kulakova, E.M.
Calculation of the electric field spatial distribution for rectangular electrodes. (JINR – 9-9184) 358009
Kulakovskij, M.Ya.
Physical characteristics of fast power reactor fuel and their effect upon the fuel cycle. 368196
Physical characteristics of spent LMFBR fuel. (IAEA-AG – 63-13) 363486
Safety of sodium-cooled fast reactors. 370527
Kulakovskij, V.D.
Gas-liquid phase diagram in a nonequilibrium electron-hole system in silicon. 377181
Kulakovsky, M.J.
BN-350 reactor shielding studies. 368195
Kulander, J.L.
Analysis of simultaneous Skylab and ground-based flare observations. Final summary report. (N – 77-26053) 369138
Kulander, K.C.
Collision induced dissociation: quantum mechanical properties for collinear $H + H_2 \rightarrow H + H + H$. 377060
Photofragmentation of isosceles H_3^+. 377061
Kulawik, J.
The extraction of uranyl nitrate and chloride in octaethyltetraamidopyrophosphate (OETAPP)-HCl, HNO_3 systems. (INP – 906/C) 375638
Kulcinski, G.L.
Assessment of titanium for use in the 1st wall/blanket structure of fusion power reactors. (EPRI-ER – 386) 348903
Comparison of liquid ISSECs; Li, Pb, and Pb_4Li for use in laser fusion reactors. (UWFDM – 208) 377335
Considerations of the recycle time for radioactive titanium alloy structures. 377461
Effect of a liquid ISSEC on radiation damage parameters in laser fusion reactor first walls. (UWFDM – 205) 377334
Plasma/wall interaction and radiation damage. Progress report. (TID – 27743) 361574
A systematic approach to the radiation damage problem. 357406
Use and performance of graphite and metal ISSECs in tokamak fusion reactors. (UWFDM – 202) 377333
Kulczynski, B.
Assessment of thyroid function in patients with laryngeal carcinoma treated surgically and with radiotherapy. 373575
Kulemin, A.V.
Diffusion of carbon and chromium in iron affected by ultrasonic waves. 375858
Kulenov, A.S.
Method for iodine extraction. (Soviet patent document 300058/A/) 375587
Kuleshov, G.D.
Injector with the field-emissive cathode for a betatron. 370754
Ironless pulse betatron with magnetic cumulative generator feed. 350084
Study of the electron beam structure in a betatron by means of synchrotron radiation. 379512
Kuleshov, S.P.
On charge-exchange reaction in meson-nucleon scattering at large angles. (JINR-R – 2-10556) 375028
Power-law automodel asymptotics in nucleon-nucleon scattering at

large angles. 349063
Straight-line path method and eikonal problem. (JINR-R - 2-10636) 372448
Kuleshov, V.P.
Experimental facility with an isothermal plasma pulse generator for investigations of MHD flow. 372316
Kulesza, R.
Influence of X-ray irradiation on metabolism of glucose in mice. 373532
Kulgawczuk, D.S.
Nuclear gamma resonance in iron sulphates of the jarosite group. (INP - 871/PS) 371547
Kulhanek, O.
Earthquakes of Sweden 1891 - 1957, 1963 - 1972. (KBS-TR - 21) 366100
Kulhar, V.S.
Application of the two state approximation to positronium formation in hydrogen. 358769
Kulibaba, V.I.
Cherenkov shower γ-spectrometer. 376655
Kulichenko, V.V.
Development of methods of solidification and burial of radioactive wastes from the fuel cycle. 368405
Features of a process for vitrifying radioactive waste without precalcination and radionuclide behaviour in the process. 358489
Management of wastes from fast reactor fuel reprocessing. (IAEA-AG - 63-22) 363670
Thermal, chemical and radiation stability of vitrified radioactive waste. 358524
Kulichenkov, A.I.
VA characteristics of thermoionic converters with lower temperature emitters. (IAE - 2464) 366785
Kulidzhanov, B.K.
Automatic device for film processing. 350367
Kuliev, A.A.
Strength functions of βsup(+) decay of $^{117-123}$Ba isotopes. 349112
1^+ collective states of ^{124}Cs and ^{126}Cs nuclei. 375115
Kulieva, V.I.
Extraction-photometric determination of some d-elements with polyphenols in the presence of aromatic amines. (INIS-mf - 4192) 375217
Kulig, A.
Types and rate of cataract development in mice irradiated at different ages. 365383
Kuligin, V.M.
Fire-assay determination of small amounts of gold in mineral raw materials. 378136
Kuligina, N.V.
Strontium-hydrogen exchange statics on irradiated KU-2 cation-exchange resin. 349353
Kulik, A.N.
Heat spread in the base metal during microplasma welding. 369885
Kulik, A.Ya.
Titanium alloy surface alloying for wear resistance improvement. 378675
Titanium and titanium alloys boronizing. (INIS-mf - 4046) 369871
Kulik, V.V.
Estimation of the borehole effect on the stationary distribution of epithermal neutrons in a borehole-stratrum model. 351932
Kulikov, A.V.
Monitor for a charged particle pulse beam. (JINR - 13-8618) 350311
Observation of muon pairs in neutrino interactions at Serpukhov 70 GeV accelerator. 361870
Software for an experiment in serch for a new type of radioactivity. (JINR - 10-9214) 380150
1 GeV-proton elastic scattering on ^{40}Ca, ^{42}Ca, ^{44}Ca, ^{48}Ca, ^{48}Ti nuclei. 375148
Kulikov, F.R.
Development and prevention of porosity in the fusion welding of thick titanium alloys. 351711
Kulikov, G.V.
Some characteristics of nuclear interactions on the basis of study on extensive air showers. 361708
Study on spatial distribution of muons in extensive air showers of different age. 362605
Violation of scale invariance in hadron interactions at super-high energies. 356336
Kulikov, I.A.
Ce^{4+} reduction in HNO_3 solutions during γ- and α-radiolysis. 362285
Kulikov, L.A.
New ^{57}Co source for Moessbauer spectroscopy. 357866
Kulikov, N.S.
Accumulation of Co^{60} in the developing spawn of Esox lacustris, Perca fluviatilis and Coregonus lavaretus. 349800
Kulikov, N.V.
Accumulation of Sr^{90}-Y^{90} by the developing spawn and larvae of Coregonus lavaretus L. 376148
Kulikov, V.A.
Influence of additional microalloying on microstructure formation during internal oxidation of nickel alloys. 369893
Kulikov, V.N.
Study on interactions of cosmic-ray relativistic nuclei with emulsion nuclei at total decay of a target nucleus and in peripheral collisions. 362110
Kulikov, V.V.
Some characteristics of the inclusive process $\pi^- + p \rightarrow \pi^+ +$ all in the fragmentation range of the incident particle at 2,69 and 3.25 GeV/c. (ITEF - 20) 356476
Kulikov, Yu.V.
A circulation neon purification system for spark chambers. 357915
Kulikova, K.F.
Preparation of strontium-nickel carbonates. 367065
Kulikova, L.N.
Gravimetric determination of closo-dodecaborates with tetraphenylphosphonium. 364889
Synthesis and some physicochemical properties of compounds with $B_{12}X_{12}^{2-}$ anions. 378327
Kulikova, Z.Ya.
X-ray study of barium tantalate $Ba_3(TaO_4)_2$. 378366
Kulikovskaya, S.M.
Synthesis and physicochemical properties of alloys of BiTeI-SbTeI section. 369592
Kulikovskij, B.N.
Spectral-luminescent characteristics of Nd^{3+} in the $LaCl_3$-$NdCl_3$ system. (INIS-mf - 3955) 362169
Kulikovskij, E.A.
Titanium and titanium alloys boronizing. (INIS-mf - 4046) 369871
Kulikowska, T.
Finite difference approximation to the transport equation in spherical symmetry. 355249
Kulinkovich, V.E.
Safety of Ag/AgI/Te film galvanic cells. 357006
Kulipanov, G.N.
Charged particle storage rings. (JINR-R - 9-9341) 350072
Use of synchrotron radiation from the VE PP-3 storage for x-ray structural analysis. (IAE - 2385) 350076
Kulish, L.F.
Investigation of gaseous products of epichlorohydrin radiolysis. 375702
Kulish, P.P.
Factorization of the classical and quantum S-matrices and conservation laws. 348599
Group integrals and S-matrix factorization. (JINR-D - 17-10529) 374569
Kulish, V.V.
Scattering of a free electron by a force center. 358664
Scattering of fermions on an arbitrary central force field. 361286
Kulishenko, V.M.
Change in resonance absorption spectra of 14.4 keV γ-rays by ^{57}Fe nuclei during phase transitions in TiAl ordered alloy. 348864
Kulizade, D.M.
On the profiles of vague lines in the rare earths spectrum of the solar photosphere. 361711
Kulkarni, M.D.
Design and construction of packages for the transportation of radioisotopes. 350012
Kulkarni, R.G.
Study of levels in $^{121-123}$Sb by Coulomb excitation. 366991
Kulkarni, S.S.
Bone marrow transplantation immunology. 370372
Kulkarni, V.K.
Absolute magnitudes and Hubble plot for QSOs. 356268
Kulke, H.
Required standards for beam protection dosimeters. 376833
Kull, L.
Safeguards technology transfer to developing countries. 353005
Kullander, S.
Coherent production of low-mass $p\pi^+\pi^-$ states in the interaction of 18.6 GeV/c protons with ^{4}He nuclei. 372518
Kullberg, L.
Nuclear magnetic resonance study of the structure in solution of lanthanide complexes with benzene-1,2-dioxydiacetate. 378323
Kullberg, R.
A search for collective pion production in 2 GeV/Nucleon heavy ion reactions. (LUIP - 7708) 354711
Transverse-momentum distributions of multiply charged fragments in ^{16}O emulsion-nucleus interactions at 2.0 GeV/nucleon. 354214
Kullen, B.J.
Management of waste cladding hulls. Part II. An assessment of zirconium pyrophoricity and recommendations for handling waste hulls. (ANL - 77-63) 378559
Kulmatov, R.A.
Application of neutron low energy sources for activation analysis for molybdenum and tungsten in sewage. 356955
Kulprathipanja, S.
Radionuclide angiography with iridium-191m (Tsub(1/2) = 4.9s). An improved osmium-191→iridium-191m generator. 354852
Kulshreshtha, D.S.
Quark confinement potential and the quark - diquark model for nucleons. 372443
Kulshreshtha, S.K.
Spin orientation in Fe_2As by Moessbauer effect. 366451
Kulshrestha, O.P.
Model potential study of phonon dispersion in scandium and yttrium. 357292
Kultan, B.I.
On the mechanism of environment effect on the cyclic strength of steels. 359836
Kultygina, L.N.
Alloying with nitrogen and denitriding of the complex composition metal bath. 357293
Nitrogen behaviour at steel melting in arc furnaces. 375771
Kulumbegashvili, V.A.
Application of N-cynnamoylphenylhydroxylamine for separation and determination of metals. (INIS-mf - 4192) 375321
Kulwich, M.R.
Breeding performance optimization of helium-bonded carbide fuel

in 1500-MW(e) LMFBRs. 352764
Optimization system design studies of advanced carbide fuel. 379739
Kulyamzin, A.N.
On the effect of stationary magnetic fields up to 15 T on the spectrum of transverse photocurrent in p=InSb. 374653
Kulygin, V.M.
Conception of injector design for a thermonuclear reactor. (INIS-mf – 3954) 361623
Injectors for large thermonuclear devices. (INIS-mf – 3954) 361624
Quasi-linear relaxation of a fast ion beam in a tokomak. 368556
Kulyukhina, E.A.
Study of P-T-x phase diagram of the tin-tellurium system. 369655
Kulyukin, M.M.
Hydrogen streamer chamber with localizing admixtures. (JINR-R – 13-9713) 368303
Localization of charged particle tracks in a self-shunting helium streamer chamber. 379868
New improvement in track localization in self-shunted helium streamer chamber. 355527
Kumabe, Isao
Activation cross sections for (n, 2n) reaction on neodymium, samarium, gadolinium and ytterbium at 14.6 MeV. 359503
Analysis of (n, 2n) cross sections at 14.7 MeV in region of rare-earths. 377908
Kumada, Sadatomo
Separation of alpha-nuclides from HLLW, (1). (PNCT – 831-76-01) 378480
Kumagai, H.
Bonding effect in X-ray spectra induced by 84 MeV N^{4+} ions. 358846, 377562
The dependence of multiple inner-shell ionization on the projectile energies and on target elements by nitrogen-ion bombardment at the energy above 4 MeV/amu. 353180, 376964
Kumagai, Hiroyuki
Lattice for supporting nuclear reactor fuel assembly. 368037
Kumagai, K.
Reduction of power loss due to heavy impurities in Diva. (INIS-mf – 3963) 372098
Kumagai, Katsuaki
Evaluation of radiation cross sections of K x-rays and application to measurement of metal impurity densities in high-temperature plasma. (JAERI-M – 7196) 368971
An intrinsic germanium Ge(I) detector for measurements of soft x-ray spectra radiated from high temperature tokamak plasmas. 358972
Kumagai, Mitsuru
Immunological studies on multilocular echinococcosis. 349850
Kumagaya, Hiroyuki
Nuclear fuel assembly. 360841
Kumakhov, M.A.
Enhancement of induced radiation in a beam of channeled relativistic particles. (INIS-mf – 3996) 364056
Theory of radiation emission by channeled charged particles in a crystal. 374739
Theory of radiation of charged particles channeled in a crystal. 371636
Theory of radiation of relativistic channelled particles. 371635
Kumakura, Minoru
Ion-molecule reactions in the binary mixture of ethylene oxide and trioxane, 1. 378526
Kumamoto, Y.
NIRS-Chiba isochronous cyclotron 1976. (NIRS-M – 15) 376382
Kumano, N.
A large area multi-crystal positron camera. (INIS-mf – 4010) 358384
Kumaoka, Yoshio
Nuclear fuel assemblies. 360842
Kumar, A.
Application of the binary-encounter theory to proton impact double ionisation of atoms. 355892
Close coupling calculations of magnetic transitions for He + H_2 in an uncoupled space frame. 368703
The neutron spectrum of a ^{228}Ra-Be 'α,n) source. 376257
Self-reflection of intense electromagnetic waves in plasmas. 353647
Kumar, Ashok Jr.
Elastic scattering of electrons by argon atoms. 358766
Kumar, B.R.
Production of phi and f' in 10 GeV/c K^-p interactions. 353959
Kumar, J.
A new reduced variant in gadolinium and samarium monoxide thin films. 375920
Kumar, K.
Deformed-quasiparticle basis for calculating potential energy surfaces and nuclear spectra. 364698
Dynamic deformation method – a microscopic theory of nuclear deformations, rotations and vibrations. (ZfK – 336) 366945
Pairing-plus-quadrupole model calculations for ^{154,156}Gd. 351286
Kumar, N.
Anomalous low temperature specific heat of solid helium. 366787
Kumar, P.
Influence of type of ration on the growth rate and carcass quality of young goat. 352112
Kumar, P.A.
Precise simultaneous determination of zirconium and hafnium in silicate rocks, meteorites and lunar samples. 364887
Kumar, R.
Interactions of refractories and reactor materials with sodium. 368204
Temperature dependence of recoilless fraction in tungsten. 357245
Kumar, S.
The Dhajala meteorite shower: atmospheric fragmentation and ablation based on cosmic ray track studies. 350977
Glauber amplitudes for transitions from low lying states in hydrogen atom by charged particle impact. 371506
Immunological detection of residual leukaemic disease in the bone marrow of children with acute lymphoblastic leukaemia. 379102
nlm→n'l'm' Glauber transition amplitudes in charged particle hydrogen atom collisions. 353295
The Voyager infrared spectroscopy and radiometry investigation. 374914
Kumar, S.S.
The escape of natural satellites from Mercury and Venus. 366719
Kumar, S.V.
Indian experience in fuel reprocessing. 367199
Kumar, U.
Increase of the electrical resistance of thin aluminium film due to 14 MeV neutron irradiation. 370122
Kumar, Vinod
Magnetic properties of paramagnetically doped crystals of Er^{3+} in garnets. 366431
Kumarasamy, R.
Conversion of the fungicide, ziram in rice plants. 349851
Metabolism of labelled ziram in groundnut plants and its microbiological degradation. 379158
Note on insecticide residue problems of edible seeds and oils in India. 379166
Kumatori, Toshiyuki
Chromosome changes and radiation dose in Japanese fishermen and laborers exposed to iridium-192. 370384
Kumazawa, Kikuo
Nitrogen uptake and assimilation by corn roots. 367721
Kumazawa, R.
Radio-frequency plugging of mirror and point cusp ends. (INIS-mf – 3963) 372084
Kumazawa, Shigeru
Comparison of measured doses by film badge and other personnel dosimeters. 379342
Kumbartzki, G.
Investigation of Bremsstrahlung-induced reactions on nuclei of masses A = 27-238 in the range of the photon energies from 450 MeV to 2.2 GeV. 364759
Kume, S.
Cross sections of the ^{63}Cu(p, 3n)^{61}Zn and the ^{63}Cu(p, p3n)^{60}Cu reactions. 359512
Kume, Sanshiro
Present status and problems in nuclear fuel cycle. 380095
Kumeno, K.
Defects and fracture strength of large rotor forgings for steam turbines. 351771
Kumer, L.
Intermediate and ultimate storage site for Austria for LWR fuel and reactor core components. 369831
Kummer, F.
Regional lung function measured with ^{133}Xe in patients with provoked bronchial spasms. (INIS-mf – 4010) 370471
Kummer, G.
A contribution to mathematical handling of autoradiograms. 356956
Kummer, W.
Nonconservation of total lepton number with scalar bosons. 356440
On the infra-red finiteness of massless BPHZ renormalized quantum electrodynamics. 363803
Kummerer, K.R.
German carbide irradiation test experience for fast reactors. 379777
Kummert, J.
Use of radioisotopes in plant virology. 379167
Kumpan, W.
Computer tomography in therapy planning. 376255
Kumpf, G.
Elastic scattering of ^{14}N ions on ^{6}Li and ^{6}Li disintegration at 19.5 MeV. 369491
Kumpf, H.
Experimental investigation at the tandem accelerator EGP-10-1 of the Central Institute of Nuclear Research, Rossendorf. 357937
The neutron-proton final-state interaction in proton-induced deuteron break-up at 8.5 MeV. 372760
Pressure vessel for nuclear power plants with concrete shell. (German (F.R.) patent document 2429773/A/) 355292
Pressure-tight connection for nuclear reactor pressure vessels. (German (F.R.) patent document 2113314/B/) 355291
Kumra, M.S.
Long-term planning for management of aqueous wastes from fuel reprocessing plants. 358537
Kumta, U.S.
Application of gamma radiation and heat treatment for the preparation of fish protein concentrates from Bombay duck (Harpodon nehereus). 349832
Radiation induced alterations in the endotoxin of S. typhimurium. 352018
Radiation preservation of Bombay duck (Harpodon nehereus) laminates. 376170
Radiation processing for the control of Salmonella in frog legs. 349829
Radiation processing of Bombay duck (Harpodon nehereus). 349824
Studies on radurization of chicken meat. 349827
Kun'kova, Z.Eh.
Effect of anion substitution on "red shift" of absorption edge of CdCrsub(2)Sesub(4-x)Ssub(x) single crystals. 348808

Kunar, A.
Nuclear theory based cross sections of ^{232}Th, ^{233}Th, and ^{233}U and their applications in reactor technology. 361908
Kunc, J.
K-shell ionization probability for the free-fall atomic model. 377027
Kunchulia, Eh.D.
Investigation of GeTe homegeneity region. 367070
Kunde, V.
The Voyager infrared spectroscopy and radiometry investigation. 374914
Kundikova, N.D.
On thermal stability of radiation-induced optical absorptiption in quarts. 348866
Kundra, A.S.
Determination of radioisotopes trace amounts by means of liquid scintillation detectors. (INIS-mf – 4188) 375322
Kundrat, V.
Stripping model of hadron collisions and antiproton-proton annihilations. 353860
Kundt, W.
How do neutron stars evolve. 369139
Magnetic black holes. 356276
Properties of the optimum Jastrow function. 362000
The wisps in the crab – a cosmic laser. 356275
Kundu, M.R.
Determination of the decameter wavelength spectrum of the quiet sun. 356225
Observations of the quiet Sun at meter and decameter wavelengths. 353692
A study of filament transition sheath from radio observations. 372245
Kundu, S.
The $^{11}B(\alpha,\gamma_0)^{15}N$ reaction in the giant dipole resonance region. 356738
Kunegin, E.P.
The safety problems of nuclear power plants with channel-type, graphite, boiling-water reactors. 370875
Kung, A.
Nuclear "Metalog" grade logging in mineral deposits. 376006
Kung, C.-K.
Extracting radiative decay widths from the reaction $\pi^-p \rightarrow eta\gamma n$. 359280
Kung, J.P.
Primary circuit thermal hydraulic analysis of Super Phenix 1 Reactor; sodium and structures temperatures calculations; salt water tests – hot water tests. 371033
Kung, K.
Thermodynamic of liquid *He. 352373
Kungurov, V.M.
Treatment of open-hearth steel by lime-silicate melts. 354488
Kunhardt, E.E.
Propagation of nonlinear waves along a magneto-plasma column. 350885
Kunibe, T.
Development of ion source for JIPP T-II injector. (IPPJ-T – 28) 377462
Kunibe, Toshizyu
Preliminary experiments on the large current plasma heating ion source for JIPP-T-II. (IPPJ-DT – 53) 377463
Kunieda, Hideyo
Observation of galactic soft X-ray by K-9M-50. 377614
Kunieda, S.
Reduction of power loss due to heavy impurities in Diva. (INIS-mf – 3963) 372098
Kunig, R.H.
Solubility of nonstoichiometric nickel ferrite in high-temperature aqueous solution. 374222
Kunitskij, Yu.A.
Thermoemission and adsorption properties of diborides of transition metals of IV-V groups in cesium vapours. 354554
Kuniyasu, Yoshio
Thyroid studies with iodine-123. 379198
Kunkel, B.
Arteriosclerosis in the angiograph of the A. carotis externa. 370481
Interstitial irradiation of central nervous system tumors by radioactively labelled bismuth phosphate. 367693
Kuno, Keizo
Measurement of superheavy nuclei in primary cosmic ray. 377619
Kunrath, J.I.
The Moessbauer effect used to study iron minerals in Brazil. (INIS-mf – 4103) 364888
Kunselman, A.R.
An experimental study of the E0, E2 and E4 charge moments of ^{161}Dy using muonic atoms. 369505
Nuclear charge parameters and quadrupole moment in ^{105}Pd from muonic X-rays. 372827
Kunselman, R.
Pion – nucleon interaction and mesonic atoms. Progress report, February 1, 1977 – January 31, 1978. (COO – 2197-53) 377823
Kuntscheva, M.M.
Exchange of molecular oxygen with the oxygen of aluminium molybdate. 364965
Kuntz, D.
In vivo measurement of the Ca/P ratio by local activation with isotopic neutron sources. 369562
Kuntz, P.J.
Features of potential energy surfaces and their effect on collisions. 361373
Kuntze, M.
Development of rf superconductivity at the nuclear research center Karlsruhe. (KFK-EXT – 3/76-5) 374997
Kuntze, W.M.
Analyses of the dynamic behaviour of nuclear facilities under external loads. (GRS – 2) 376491
Kunz, A.
Investigations of the embrittling tendency of boiler and pressure vessel steels. 351724
Kunz, A.B.
Significant differences between Hartree-Fock and local-exchange energy bands for TiO. 351831
Kunz, C.
Electron hole interaction in deep level spectra. 358886
Photoemission investigation of autoionizing Na^+-2p core excitons in NaCl. 353443
Kunz, P.
Experiments on high efficiency aerosol filtration. 360514
Kunz, P.D.
Is (^{3}He, t) primarily a (^{3}He, α)(α, t) reaction. 372726
Kunz, P.F.
Distributed intelligence in CAMAC. (SLAC-PUB – 1875) 380111
Kunze, G.
The enthalpy of formation for tellurium tetrahalogenides. 349274
Kunze, J.
Geothermal down hole velocity measurement device. 365676
Kunze, K.R.
Studies on matrix isolated uranium tetrafluoride and its interactions with frozen gases. 351610
Kunze, R.
Calorimetric absolute methods for determination of photon energy dose. 373936
Use of free air and cavity ionization chambers for determining the exposition unit for ^{60}Co and ^{137}Cs gamma radiation. 349936
Kunze, R.-C.
On sawtooth oscillations and MHD modes in the W VII A stellarator. (INIS-mf – 3963) 371780
Kunze, S.
Decontamination of metallic surfaces by paste type cleansers and molten salts. (KFK – 2435) 357838
Method for the decontamination of surfaces of metallic materials. (German (F.R.) patent document 2511112/A/) 367813
Separation and solidification of the active substances from medium-activity liquid waste. 371190
Kuo, I.
Radiation damage to DNA in aqueous solution: a comparison of the response of the single-stranded form with that of the double-stranded form. (UCLA – 12-1129) 362637
Kuo, J.T.
Internal friction of metal spheres showing the effect of the anisotropy of the component metals. 365168
Kuo, T.T.S.
Folded-diagram calculation of effective charges. 356620
The influence of a self-consistent model space on the folded diagram expansion of nuclear effective interactions. 372663
Kuoppamaeki, R.
The applicability of tracer techniques for studies on sewage treatment process dynamics. 365686
Kupca, L.
Irradiation probe and laboratory for irradiated material evaluation. 354624
Kupcis, O.A.
Nondestructive inspection of pressure tubes at the Pickering nuclear generating station. 365893
Kupczak, R.
A system for pulse Hall effect measurements. 374382
Kupczynski, M.
On some important statistical tests. 361288
Kuper, C.G.
Fifth sound. (INIS-mf – 3516) 351121
Kuper, Eh.A.
The NAP-M proton storage. 363164
Kuperman, A.Ya.
Oxidation of hydrazine with perchloric acid catalyzed by molybdenum. 364966
Kupfer, E.
Production of high circular polarization by ion surface scattering of ferromagnets. 355893
Kupfernagel, Ch.
Comparative studies of different labelled fatty acids for heart muscle metabolism. (INIS-mf – 4010) 360327
Kupinski, A.F.
Economic evaluation of high-density storage alternatives. 358068
Kuplyauskene, A.B.
The investigation of the elastic photon scattering cross sections by copper atoms and ions. 366350
Kuplyauskis, Z.I.
The investigation of the elastic photon scattering cross sections by copper atoms and ions. 366350
Kuppens, P.S.
Calculation of radioimmunoassay standard curves. 365470
Kuprikov, V.I.
Self-consistent calculation of neutron and proton densities of nuclei. 375176
Kuprin, S.P.
Study of dynamic characteristics of conformation non-equilibrium states of hemoglobin and its complexes by the radiolysis method. 375684
Kupriyanov, S.E.
Electron energy distribution in reactions of metastable atoms with

atoms and molecules. (INIS-mf – 3915) 352818
Kupriyanov, V.I.
Studies of structural material degassing in cryogenic vacuum technique. (KFTI – 76-21) 357290
Kupriyanova, I.A.
Optimization of RS-tape apparatus radiation protection. 349941
Kupriyashkin, V.T.
New on the ^{182}Ta decay. 378020
Kupryashkin, V.T.
On the ^{194}Au gamma spectrum. 375209
Kuptsov, A.V.
Estimate of accuracy of π^0-meson lifetime measurement over its atomic decay. (JINR-R – 1-9181) 356527
Kuptsov, V.P.
Time pulse shaper of scintillation counters. 375995
Kurabayashi, Mizumi
Coastal observation of Tokai-mura. (PNCT – 831-76-01) 378893
Effect of the sea-breeze on the atmospheric stability at the sea-board. (PNCT – 831-76-01) 378928
Radioactivity surveillance in the marine environment around the reprocessing plant at Tokai. (PNCT – 831-77-01) 378895
Surveillance of radioactivity in the marine environment around the PNC reprocessing plant. (PNCT – 831-76-01) 379346
Kuraev, Eh.A.
Pomeranchuk singularity in non-abelian gauge theories. 369303
Kuraeva, I.V.
Heat transfer on turbulent liquid flow under supercritical pressure in tubes in conditions of cooling. 376296
Kurak, V.
Conformal invariant quantum field theory and composite field operators. (PUC-TN – 20/76) 350520
Kurakado, Masahiko
Superconducting transition temperature of technetium and lead. 353734
Kurakin, E.K.
Rational thermomechanical parameters of pressing granulated heat resistant alloy-EhP741. 349391
Kurakin, V.G.
Electron linear accelerator for a cutted microtron. 360707
Split microtron as an injection for the Pakhra synchrotron. 357929
Kurasawa, T.
Concentration profile of carbon atoms in Li_2O. 362200
Tritium release from neutron-irradiated Li_2O pellets. 357427
Kurashige, Tetsuo
JIMCOF: a multigroup constants file from ENDF/B-IV. (JAERI-M – 6972) 350447
Kurashov, A.A.
Analysis of two basic methods for neutron identification according to detector-current pulse shape. (IAE – 2466) 350292
Technique and some results of study on organic scintillators for neutron identification according to detector-current pulse shape. (IAE – 2472) 358373
Kurata, Tadao
Mechanism of degradation and discoloration reaction of L-ascorbic acid. 349852
Kuratev, I.I.
Excitation energy transfer between rare earth ions in crystals. (INIS-mf – 3955) 378456
Investigation into kinetics of transformation of infrared radiation to visible one in La_2O_2S-Yb^{3+}-Er^{3+}. (INIS-mf – 3955) 378455
Transfer of excitation energy between Cr^{3+}, Yb^{3+} and Er^{3+} ions in yttrium-aluminium garnet. (INIS-mf – 3955) 378454
Kuratova, T.S.
Thermodynamic characteristics of concentrated solutions of group 2 metal nitrates at high temperatures. 349247
Kurbakov, V.I.
Muon flux measuring system for neutrino experiments at the IHEP accelerator. 357946
Observation of muon pairs in neutrino interactions at Serpukhov 70 GeV accelerator. 361870
Kurbanov, K.R.
Photoconductivity of Pbsub(1-x)Snsub(x)Te doped with indium and cadmium. 360006
Kurbanov, Kh.M.
Crystallization and X-ray radiographic investigation into bismuth orthoniobate. 351515
Crystallization in the Sb_2O_3-Nb_2O_5-KF-H_2O system. 354361
Crystallization of TeO_2. 378374
Evaluation of ΔH^0_{298} and S^0_{298} of scandium, ytrrium and lanthanide orthophosphates. 351577
Kurbanov, T.Kh.
The Gd_2S_3-Cr_2S_3 system. 375551
On synthesis and investigation into yttrium chalcochromite. 375499
Preparation and properties of Tb and Dy chalcochromites. 369656
Kurbatov, D.I.
Behaviour of tungsten (6) on mercury dropping electrode in hydrochloric acid solutions. 357030
Polarographic determination of molybdenum, tungsten and titanium in joint presence. 378137
Kurbatov, D.K.
Material composition and neutron-physical calculation of reactor blanket for the TVEh-2500 facility. (INIS-mf – 3954) 361575
Radiation safety on operation of the TVEh-2500 thermonuclear power plant. (INIS-mf – 3954) 363026
Kurbatov, N.N.
Some physicochemical properties of molten mixtures of thorium tetrachloride with alkali metal chlorides. (INIS-mf – 4193) 378462
Kurbatov, V.S.
Characteristics of the Cherenkov total absorption spectrometer for electrons and gamma-quanta. 371084
Kurbatova, G.T.
Infrared spectra of ascorbic acid and its complexes with zinc(2) and vanadium(4). 359598
Kurbatova, V.I.
Determination of phosphorus in tungsten-containing materials using its separation with beryllium hydroxide. 378138
Kurcbart, H.
Correlation between the estimated molecular weight and the immunological properties of ^{125}I-TSH. 373760
Kurcewicz, W.
Collective states fed by weak α-transitions in the ^{232}U chain. 356814
Precise energies of gamma rays from the ^{230}Th and ^{228}Th decay. 362079
Kurchenkova, G.I.
Galerkin method for diffusion equations. (IAE – 2522) 358605
Kurdadze, A.M.
Radiative polarization of beams in the VEPP-2M storage. (JINR-D – 1,2-9342) 357972
Kurdadze, L.M.
Method of absolute calibration of beam energy and storage rings. Mass measurement of a PHI meson. (JINR-D – 1,2-9342) 357947
Kurdgelaidze, D.F.
On quantization of a scalar field in cosmological spaces. 368557
Kurdyavko, V.P.
On some methods for solution of control and diagnostics problems of nuclear power plant accident states. (FEI – 588) 350179
Kurdyumov, O.V.
On the mechanism of simple direct sphalerite transformation in boron nitride. 378772
Kurdyumov, S.P.
Non-linear processes in a dense plasma. (IAEA – 200) 353625
Kurdyumova, G.G.
Changes in the structure and mechanical properties of the two-phase alloy VKh4 in the process of plastic deformation. 365158
Kurdyumova, T.A.
Investigation of indium electrochemical behaviour in bromide solutions by the method of impedance. 354347
Kureizumi, Takeshi
An interpretation of hydrogen and helium line spectra of the loop prominence observed on November 3, 1973. 349012
Kurfess, J.D.
Pulse-shape discrimination of high-energy neutrons and gamma rays in NaI(Tl). 379945
Kurganova, L.N.
Comparison of the effect of gamma-preirradiation of seeds on the fruitfulness of various kinds of hothouse cucumbers. 360247
Kurguzov, A.A.
Experimental estimation of differential cross-sections of scattering in atom-atom collisions by means of Doppler broadening. (INIS-mf – 3915) 348679
Kuri, Z.I.
Energy transfer and radical formation in the system poly(methyl methacrylate)-2-methyltetrahydrofuran. 373098
Kuribayashi, Nobuhide
Method for condensing radioactive wastes. 350390
Kurihara, H.
Present status and development of Japan's safeguards system. 371287
Kurihara, M.
Irradiation experiments of uranium carbide, carbonitride, and nitride fuels in JAERI. 379823
Kurihara, Masayoshi
Plutonium fuel research facility for advanced LMFBR fuel. 379472
Kurihara, Tadashi
Noninvasive detection of regional myocardial perfusion abnormality with ^{201}Tl and ^{81}Rb. 349863
Kurihara, Yutaka
Tsuruga Power Station new rad waste treatment system. 374414
Kurik, M.V.
Exciton observation in CdS subsurface thin layers. 374802
Kuriki, Takeo
Determination of oxygen in selenium, tellurium and their compounds. 372890
Kurilenko, A.I.
Investigation of the radiation-induced polymerization of styrene on fibres in a precipitant. 349350
Kurilenko, I.N.
Iron as an ion acceptor in indium antimonide. 367253
Kurilov, V.A.
Formation of secondary electrons from intruding electron beams and their radioactive emission in auroral ionosphere. (INIS-mf – 3915) 349674
Kurilovich, N.F.
Temperature effect on the accumulation and properties of radiation damages in gallium arsenide under electron irradiation. 375955
Kurina, L.N.
Oxygen adsorption on the binary V_2O_5-Cr_2O_3 system. 375491
Kurinnaya, T.A.
The PM-1 proton microscope for particles with an energy up to 150keV. 350366
Kuriyama, Atsushi
Positive definite mass parameter for large amplitude monopole motion and non-adiabatic effect. 359416
Kuriyama, I.
Formation of layer-like voids in irradiated polytrioxane. 365242
Interchain ordering in amorphous solid polyethylene. 370248

Kuriyama, Isamu
Melting behavior and irradiation effect in poly(trioxane). (JAERI-M – 7086) 367172
Kuriyan, M.
An R.K.R.-like estimate of the effective non-adiabatic internuclear potential for the hydrogen molecule. 355894
The scattering states of HD^+. 363901
Semi-empirical non-adiabatic potential energy curves for hydrogen, deuterium, and their molecule ions. 361374
Kurka, J.
SKODA works cryogenics laboratory. 367919
Kurkin, I.N.
Spin-lattice relaxation of Yb^{3+} and Nd^{3+} ions in ZnS monocrystals. 374740, 377228
Kurkin, M.I.
NMR in ferro- and antiferromagnets in conditions of magnon "bottleneck". Derivation of equations of motion. 361450
On the possibility of existance of magnon "bottle neck" at nuclear spin-lattice relaxation in ferro- and antiferromagnets. 350738
Specific features of forming one-impulse spin echo in nuclear systems with big dynamical frequency shift. 350723
Kurkutova, E.N.
Crystal and molecular structure of $C_{21}H_{23}N_2OI$. 369657
Kurlyandskij, A.G.
Role of exchange forces in nucleon radiative capture in the giant dipole resonance region. 377909
Kurlyandskij, A.S.
Dipole radiative decay of analog states. 377910
Kurmaev, Eh.Z.
Superconductivity of compounds based on transition elements and its connection with lattice instability. 364447
X-ray emission K-spectra of vanadium in binary alloys with metals from beginning of the second and the third long transition periods. 373224
Kurmaz, V.F.
Analysis of effect of porous depositions on impurity concentrating in steam generating channels. 376318
Kurnaev, V.A.
Nickel alloys and stainless steels peeling during ion irradiation. (INIS-mf – 3954) 362557
On resolution of thin foils applicable in corpuscular plasma diagnostic. 348934
Kurnosova, L.V.
Observation of solar cosmic rays during the flare of April 29, 1973. 356182
Production of multicharged nuclei on the Sun. 356277
Some specific features of redundant radiation at altitudes of 200-300 km. 357539
Kurochka, P.F.
Coordinate device for moving a primary measuring transducer in a liquid flow. (FEI – 587) 352394
Kurochkin, A.V.
Investigation into γ-quanta with the energy (>=) 40 MeV in the upper layers of the earth atmosphere. 357530
Periodic gamma radiation from the Cygnus X-3 discrete source. 364323
Kurochkin, L.A.
Temperature dependence of electron scattering in irradiated and annealed germanium on cyclotron-resonance data. 374773
Kurochkin, M.N.
Experimental superconducting homopolar motors. 360651
Kurochkin, S.G.
Preequilibrium energy distribution of neutrons. 362001
Kurochko, R.S.
Filler wire for welding of high-tensile titanium alloys. 369864
Kuroda, K.
A measurement of the polarization parameter in large angle proton-proton elastic scattering at 7.9 GeV/c. 356484
Kuroda, M.
Decoupling of higher vector mesons and charmed meson production in e^+e^- annihilation. 353858, 375035
High spin meson decays in the dual resonance model with nondegenerate Regge trajectories. (DESY – 77/63) 366874
Regge spectra, symmetry-breaking effects, and decays of old and new mesons in dual resonance amplitudes. 351176
Kuroda, Mitsuyasu
Thyroid scanning and thyroid uptake using $Na^{123}I$ in various thyroid diseases with special reference to comparison with $Na^{131}I$. 354966
Kuroda, P.K.
Analysis of possibility of reactors occurring in nature. 355250
Radon daughters and fission products as atmospheric tracers. (CONF-741003 –) 370290
Xenon-iodine dating. 349638
Kuroda, T.
Development of ion source for JIPP T-II injector. (IPPJ-T – 28) 377462
Tokamak experiments on JIPP T-II device. (INIS-mf – 3963) 371853
Kuroda, Tomonori
Shrinking photon and geometrical duality in the reaction γsub(v)P→π^0P. 359281
Kuroda, Tsutomu
Preliminary experiments on the large current plasma heating ion source for JIPP-T-II. (IPPJ-DT – 53) 377463
Kuroda, Yoshiteru
Identification of a nuclear reactor system by means of gradient methods. 355251
Kuroi, Hideo
A method of the sensitivity analysis of build-up and decay of actinides. (JAERI-M – 7153) 366947
Kurokawa, Hisae
A radiation-induced pharyngeal cancer. 349767
Kurokawa, Y.
Safety and environmental aspects of spent-fuel reprocessing. 359852
Kurolenkin, E.I.
Microporosity and irreversible changes in the properties of high-irradiated graphite. 370236
Kuropatkin, N.P.
Polarization in 1 GeV elastic proton scattering on carbon. 354133
Kuropatkin, Yu.P.
Injector with the field-emissive cathode for a betatron. 370754
Kurosawa, Hiroshi
Thyroid scanning and thyroid uptake using $Na^{123}I$ in various thyroid diseases with special reference to comparison with $Na^{131}I$. 354966
Kurpeshev, L.K.
Survival of leukosis La cells after prolonged exposure to gamma-rays of Co^{60} and mixed gamma-neutron radiation of Cf^{252}. 376063
Kursanov, D.N.
Complexes of pyridinium cyclopentadienylide with chromium- and molybdenum carbonyls. 378448
Kurstedt, H.A. Jr.
Determination of optimal composition of nondeliverable fabrication plant fuel material. 353004
Optimal set of selected enrichments that minimizes blending consequences. 352923
Kursunoglu, B.
Elementary particles in the generalized theory of gravitation. 361819
Kurt, V.G.
Analysis of the complex solar particle event on April 29-30, 1973. 366700
Correlation of propagation characteristics of solar cosmic rays detected on board the spatially separated space probes Mars-7 and Prognoz-3. (KFKI – 77-38) 356242
Emission variability of the Sco X-1 source on the observations of the Salyut-4 station. 364387
Equipment for measuring X-ray emission of extraterrestrial sources. 374294
An experiment to study electrons of solar origin by Prognoz satellites. 348997
Measurements in interplanetary space and in the Martian upper atmosphere with a hydrogen absorption-cell spectrophotometer for Lα-radiation on-board Mars 4 – 7 spaceprobes. 374293
Observations of Cygnus X-1 on the Salyut-4 space station. 374963
Observations of the Cir X-1 X-ray source on the salyut-4 space station. 361709
Observations of the Hercules X-1 x-ray source on the Salyut-2 station. 369089
Propagation of non-relativistic electrons in solar wind and the 3. type radiobursts. 369140
Scorpius X-1 – observations from the "Salyut-4" station in January, 1975. 364386
Study of coronal and interplanetary propagation of solar particles following the E45 deg solar flare on July 29, 1973. (KFKI – 77-39) 356243
Temperature measurement of interplanetary-interstellar hydrogen. 356189
Kurten, R.
In-plant calibration of magnetic flowmeters in the pulp and paper industries. 365687
Kurtmullayev, R.Kh.
Controllable forming of a compact toroidal structure with an impulse field barrier. (DOE-tr – 3) 369009
Kurtsinovskaya, R.I.
Investigation into the structure of lead-borate glass. 354598
Kurtz, S.R.
Approximate method for determining the influence of water and porosity on the Gruneisen gamma. (UCRL – 76010) 378788
Kurtzmann, R.S.
Production of ^{79}Kr for pulmonary ventilation and blood flow studies. 351612
Kurucz, R.L.
Line blanketing in Vega and Sirius. Final report. (N – 77-24027) 361712
Kuryakin, V.F.
Measurement of plasma-focus x-radiation spectra with resolution in time. 374851
Kuryatnikov, B.K.
1,5x1 m^2 drift chamber performance. 371101
Kurz, K.
Investigations of the influence of oxide fuel and fission products on the mechanical properties of Zry-cladding tubes under accident conditions. (KFK – 2435) 358189
Kus, A.J.
The 5C 6 and 5C 7 surveys of radio sources. 374944
Kusama, Shozo
Application of dual radioisotope techniques and image subtraction methods for diagnosis of lung cancer. 367695
Evaluation of dual radioisotope techniques for the diagnosis of lung diseases. 379185
Kusama, Tomoko
Search for the lowest irradiation dose from literatures on radiation-induced bone tumor. 349774
Some consideration of Japanese standard man value. (NIRS-M – 14) 379360
Treatment plan of acute radiation-induced skin injuries with special reference to an accidentally exposed case. 354827

Kuschel, D.
Calculations of strength and assessment of containments designed for PWRs. (AED-Conf – 76-747-007) 355398
Kushakovskij, V.I.
Technological aspects of fuel production for different power reactors. 368044
Kushelevsky, A.P.
Activity measurements of a radioactive source by a self coincidence method. (INIS-mf – 4052) 376658
The effects of growth rate and thymine concentration on the UV sensitivity of E. coli 15T⁻. (INIS-mf – 4052) 376095
Microdosimetry of ^{129}I in the human thyroid. 370646
Kushev, G.
An empirical method of quantitative analysis in depth-selective ME-spectroscopy. 369527
Kushnerev, M.Ya.
Investigation into oxide bismuth-molybdenum-containing catalysts by X-ray phase analysis and diffuse reflection spectroscopy. 378324
Kushnereva, K.K.
New methods for measuring neutron spectra with energy from 0.4 eV to 10 MeV by track and activation detectors. 363558
Kushneriuk, S.A.
The influence of cylindrical absorbing channels on a tilted neutron flux distribution. 363386
Kushnir, A.S.
EPR of gadolinium in zinc sulfide. (INIS-mf – 3955) 377229
Kushnir, O.B.
Influence of traps on the photoconductivity of cadmium bromide single crystals. 348809
Kushnir, S.V.
Formation heats of oxosalts from oxides and some other properties of these compounds. 378325
Kushnir, Yu.A.
Installation for studies on ultracold neutron holding in a large closed vessel. (INIS-mf – 3895) 354011
Installation for ultracold neutron production on the SM-2 reactor. (INIS-mf – 3895) 354010
On application possibility of ultracold neutron wall and magnetic traps for free neutron lifetime measurement. 371114
Transport of ultracold neutrons along cylindrical neutron guides. (INIS-mf – 3895) 354012
Kushnirenko, A.N.
Pseudovector isospinor heavy boson of a short time of life and the new model of hadrons. 366854
Kushnirenko, I.Ya.
Luminescent properties of aqueous solutions of alkaline earth metal chlorides with molecular anions NO_2^- impurity. 378216
Kushnirenko, T.G.
Photochemical reduction of 12-molybdoarsenic acid in aqueous-organic media. 375317
Kushniruk, V.F.
X-ray CdTe detectors. 376642
X-ray semiconductor spectrometer with light feedback. (JINR-R – 13-10430) 376670
Kushwaha, E.L.
Potentiometric study of some new chelates of lanthanum and yttrium. 351516
Kusiak, R.
Radon concentrations in contaminated and uncontaminated premises in two Ontario towns. (HASL – 325) 378900
Kuske, P.
Lifetime measurements by pulsed laser excitation of fast ion beams. 371507
Kuskov, Yu.N.
Low temperature effect on the working capacity of titanium steel explosion welded joints. 351772
Kuslitskij, A.B.
Increase in hydrogen embrittlement resistance of chromium steels. 375896
Kusovnikov, A.S.
Experimental RBT-6 reactor. 376597
Kussmaul, K.
Assessment of toughness and cracking in the heat-affected zone of light water reactor components. 349485
Kustarev, V.N.
Sensitivity of a boron counter in a moderator to high energy hadrons. (INIS-mf – 3846) 350286
Kustom, R.C.
Plasma driving system requirements for commercial tokamak fusion reactors. (CONF-771029 – 191) 377364
Kustom, R.L.
Fabrication experiences and operative characteristics of the U.S. SCMC superconducting dipole magnet for MHD research. (CONF-770801 – 23) 372318
Results from a model system of superconducting solenoids and phase shifting bridge for pulsed power studies for proposed tokamak EF coils. (CONF-770842 – 10) 366539, 366540
Switching requirements for the Argonne National Laboratory (ANL) reference design tokamak experimental power reactor. (EPRI-ER – 376-SR) 361576
Kustov, I.I.
Repair and reconstruction of equipment of WWER type nuclear power plants. 368148
Ten years' operation experience of the Novovoronezh nuclear power plant. 368141
Kustov, N.N.
Problems of development and application of power supplies based on electromachine electric generators with inertial storages. (INIS-mf – 3954) 361542
Kustov, V.E.
Advanced method for determining the activation energy of relaxation processes in a solid body. 373232
Kustov, Yu.A.
Structure and properties of a nickel-chromium dispersion hardened alloy. 375812
Kustova, G.N.
Investigation of iron-bismuth-molybdenum catalysts. 378428
Kustova, Y.Y.
Effect of low-melting metal coatings on internal friction of cold-worked nickel of different grain size. 365164
Kusuhara, Toshiyuki
Effect of high units administration of Cepharanchin on leukocytopenia induced by radiotherapy. 379066
Kusumegi, A.
An electrostatic separator with built-in high-voltage generators. 379998
Kusumoto, O.
Backward particles from proton-nucleus interactions at high energies. 353966
Inclusive Λ, anti Λ and Σ^{-}(1385) production in 405 GeV/c pp interactions. 377810
Some features in rapidity space of multiparticle production by proton-proton collision at 102 GeV/c. 353970
Kusumoto, S.
Inelastic thermal transient analysis of tubesheets. (IWGFR – 11) 355477
Kusunoki, I.
Rotationally inelastic scattering of K on NH_3 observed by a time-of-flight technique. 350638
Kuswa, G.W.
Discussion of diagnostics techniques in particle beam fusion at Sandia Laboratories. (SAND – 77-1829C) 377464
High power magnetically insulated radial diode. (SAND – 77-1549C) 368968
Inertial confinement fusion energy with particle beams. 363284
Kut'enkov, V.A.
Interaction of silicon carbide filaments with the matrix of a complex nickel alloy. 370088
Kut'in, V.M.
Shower spectrometer with a combined radiator. 361015
Kuta, J.
Polarographic and voltammetric measurements of disproportionation of uranium (V) in sulphate and other complexing media on mercury electrodes. 357008
Kutasevich, A.K.
Double mass spectrometer device for ion-atom collisions in intersecting beams. (INIS-mf – 3915) 350383
Elastic scattering, charge exchange and production of molecular ions on intersection of magnesium ion and atomic beams. (INIS-mf – 3915) 350343
Kutasov, V.A.
Thermoelectric properties of multicomponent solid solutions on the base of bismuth tellurides. 354318
Kutateladze, K.S.
Glass formation and some physicochemical properties of glasses of the R_2O-MnO-B_2O_3 system. 378326
Kutateladze, S.S.
Gas-hydrodynamic aspects of heat transfer during liquid boiling. 370711
Instability of heat transfer on surfaces leaned with centres of steam generation. 376295
Kuteeva, T.M.
Measurement of spectral parameters in slow neutron fields using cadmium ratios for activation detectors. 350341
Kutejnikova, A.F.
Use of bichromate-sulfuric acid system for study of reactive capacity of carbon materials. 367102
Kuten, S.A.
Quadrupole moment and quadrupole relaxation of spin of muonium and mesoatoms. 366318
Kutepov, S.M.
Low-cycling strength of sheet VT1-0 titanium welds. 369865
Kutner, R.
Application of the Multi-sublattice Jump Diffusion Model in the theory of the quasi-elastic neutron scattering from hydrogen in vanadium, niobium, and tantalum. 364057
Kutolin, S.A.
Electric conductivity of sintered glasses based on systems of oxides of lead, germanium and transition metals of group 6. 369670
Preparation of textured layers of ferroelectric materials by means of high-frequency spraying technique. 364968
Kutovenko, L.N.
Radiosensitivity of germs, grafts and vegetating potato plants. 362652
Kuts, V.S.
PMR study of complexes of titanium and hafnium chlorides with substituted o-naphtoquinone dioxide. 354337
Kutsaeva, L.S.
Number and spectra of neutrons for fixed fragments in spontaneous fission of ^{252}Cf. (INIS-mf – 3896) 356857
Search for low energy delayed neutrons for spontaneous fission of ^{252}Cf. 369504
Kutsarova, T.
The feeding times and lifetimes of high-spin levels in ytterbium doubly even isotopes. (JINR-E – 7-9626) 369467
Kutschera, W.
The negative-ion test injector of the Munich MP tandem and the HICONEX 834 sputter source. 357867

Kutsenko, A.A.
Study on thermal treatment regime effect on the phase content of heat resisting alloys. 375880
Kutser, M.Ya.
Carburization of sintered chromium steels. (INIS-mf – 4046) 370086
Kutsev, V.S.
Study of processes of thermal decomposition of rare earth concentrates with increased content of siderite in the presence of soda. (INIS-mf – 4187) 375439
Thermogravimetric study of rare earth concentrates. 359596
Kutsidi, N.K.
Asymptotic behaviour of associative values in π-p interactions. (JINR-R – 1-10643) 375074
On the growth of associative multiplicity in dependence on transverse momentum. 375055
Kutsutani, Yuzuru
Dose distribution of fast neutron beams from a NIRS cyclotron. 349920
Kuttig, H.
Pendulum irradiation of the middle part of the esophagus with rapid electrons and ultrahard X-rays. 349937
Kuttruf, H.
Determining pressure build-up in THTR-300 plant compartments after primary pipe breaks using the DANZ computer code. 370951
Kutty, K.N.
Operating experience and radiation protection problems in the working of the radio-metallurgy hot cell facilities at BARC. (INIS-mf – 4159) 376216
Kutuev, R.Kh.
Polarization measurement in quasielastic scattering of 635 MeV protons by nuclei of different elements. (JINR-R – 1-9759) 356916
Kutukcuglu, A.
Transfer of nuclear technology from the viewpoint of a governmental electric utility. 352567
Kutukcuoglu, A.
Scope and assignments of a consultant in the selection and construction of a nuclear power plant. Application to a project in Turkey. 371328
Kutuzov, M.I.
Controllable forming of a compact toroidal structure with an impulse field barrier. (DOE-tr – 3) 369009
Kutuzov, S.M.
Radiosource dimension effect on temporal spectra of interplanetary scintillations. 374870
Kutvitskij, V.A.
Section of Bi_2O_3-$CdGeO_3$ in Bi_2O_3-CdO-GeO_2 system. 351511
Kutyrev, G.A.
Use of diethyldithiophosphoric acid for extraction-polarographic determination of some metals. 375232
Kutyrev, I.M.
Composition of tantalum and niobium complexes extractive by amines from fluoride solutions. 351517
Kutyrev, M.Yu.
Mechanizm of propylene oxidation on modified cobalt-molybdenum catalysts. 349248
Kutzner, J.
Diagnostic value of computerized tomography for the radiotherapy of cerebral tumors. (AED-Conf – 77-395-006) 370479
Kuusi, J.
Incorporation of radioactive wastes from nuclear power plants into concrete and bitumen. 358498
Prospects for small nuclear heating reactors in Finland. 376810
Kuusmann, I.L.
Investigation of electron-hole processes in $YAlO_3$. (INIS-mf – 3955) 362523
Spectral-kinetic investigation of whiskers and macrocrystals of A^IB^{VII} compounds. (INIS-mf – 3993) 377230
Kuvaeva, Z.I.
Thermodynamics of ion exchange on sulphonated copolymers of styrene and divinyl benzene. 349297, 367130
Kuvandikov, O.K.
Magnetic susceptibility of niobium and tungsten. 349486
Kuvyrkin, G.N.
Algorithm for determining optimal parameters of detector systems for detecting multicharged particles. 361028
Kuwabara, Koji
Device for controlling the speed of control rods in a reactor. 350178
Kuwabara, Masaki
Irradiation of cancer of the uterine cervix and immunological mechanism. 354808
Kuwabara, Shyuso
Nucleation of an interstitial loop at an impurity site in electron irradiated pure aluminum. 353486
Kuwahara, Masaaki
Novel pathway of NAD metabolism in Aspergillus niger. 373768
Kuwajima, Akira
Development of new radionuclide bolus injector and evaluation of bolus using venous phantom. 360392
Evaluation of supine and sitting cardiac blood pool scans with sup(99m)Tc-HSA. 367691
Kuwajima, Masayuki
Multi-point observation of geomagnetic pulsation in low and middle latitudes. 360198
Simultaneous observation of geomagnetism at two points of Showa Base and inland in the antarctic region. 360199
Kuwamoto, H.
Structure and properties of Cr- and Al-doped V_2O_3 -a comparison. 371622
Kuwashima, Kenshin
Analysis of occupational radiation exposure experienced at pressurized water reactor plants. 367829
Kuwata, Keiji
The formation of $VOSO_4$ on the surface of V_2O_5 in the oxidation of SO_2 as studied by ESR. 378308
Kuwayama, Masatoshi
Control equipment for emergency cooling system. 368241
Kuypers, F.
Bound state spectrum of the Gross-Neveu model on the lattice. 377747
Kuz'kina, S.P.
Titanium nitride vapor deposition with the use of titanium tetrachloride. (INIS-mf – 4046) 369880
Kuz'ma, Yu.B.
The x-ray diffraction study on Nb-Ge-B and Ta-Ge-B systems. 375859
Kuz'menkova, F.M.
Investigation into growth kinetics and quality of 40Kh steel diffusion layer in the process of liquid nitriding with ultrasonic oscillation pile use up. (INIS-mf – 4046) 369856
Kuz'micheva, A.E.
Study on electromagnetic conditions in the interplanetary space by means of cosmic rays. 356186
Kuz'micheva, G.M.
Crystal structure of epsilon-Yb_2S_3. 351518
Kuz'min, A.A.
Solidification of the polyester coatings with accelerated electron beam in air. (INIS-mf – 4194) 376281
Kuz'min, A.D.
Temperature and pressure in the atmosphere of Jupiter. 351037
Kuz'min, A.I.
Study on the long-period variations of galactic cosmic ray distribution in the interplanetary magnetic field. 357538
Kuz'min, Eh.A.
Crystal structure of double Cs, La-sulfate $Cs_2O_4.La_2(SO_4)_3.8H_2O$. 349285
Crystal structure of holmium periodate – $HoIO_5.4H_2O$. 349289
Kuz'min, G.I.
Electron accelerator for application in industry. (INIS-mf – 4194) 376381
Kuz'min, G.P.
Effect of laser irradiation of superconducting materials on the basis of niobium on the character of critical temperature change. 361759
Kuz'min, L.A.
π-meson chanel of the LIYF AS USSR synchrocyclotron. 360721
Measurement of an average momentum and composition of secondary particle beams from accelerators. 363281
Kuz'min, N.M.
Success in extraction concentrating in analysis of substances. 356957
Kuz'min, N.N.
Magnetic state of iron-nickel-manganese alloys. 348823
Kuz'min, R.N.
Low-temperature cameras for the Moessbauer diffraction experiments. 352391
Low-temperature mechanical press for Moessbauer effect study. 371182
Kuz'min, V.A.
Are additional heavy quarks necessary to explain the observable behaviour R(s) observable behaviour R(s). 369304
Kuz'min, V.F.
Connection of the NRD scanning automat and a digital computer using a buffer memory device system. (INIS-mf – 3909) 374529
Kuz'min, V.I.
Experimental results with carbide fuel rods in the BOR-60 reactor. (KFK-tr – 536) 355481
The irradiation behaviour of carbide fuel elements in the BOR-60 breeder reactor. 376596
Kuz'min, V.L.
Removal of divergences in the problem of scattering of a particle beam by a medium. 369391
Kuz'min, V.N.
Investigation of thermal conditions in growing eutectic alloy of indium and nickel antimonides using Czochralski method. 357294
Properties of the eutectic alloy of indium antimonide with nickel antimonide grown by Czochralski method. 354571
Kuz'min, V.V.
Installation for vacuum gauge calibration in the wide pressure range. (KFTI – 75-10) 358429
Ionization manometer pumping action and its behaviour in low pressure measurements. (KFTI – 75-10) 352834
Problems in measuring rarefied gas flow rates. (KFTI – 76-21) 358430
Kuz'mina, L.V.
Quasi-classical atomic model. 374622
Shock adiabates at ultrahigh pressures. 355933
Kuz'mina, M.A.
Oxalic acid solutions composition effect on processes of protactinium (5) sorption on silica gel and its coprecipitation with thorium oxalate. 359725
Kuz'mina, T.D.
Certain indices of immunologic responsiveness in dogs in the delayed time-intervals after administration of polonium. 365396
On the mechanism of a harmful action of an ionizing radiation on fetus and posterity. 370354

Kuz'minov, B.D.
Investigation of the effect of viscosity of fissible nucleus on the kinetic energy of fragments. 375189
Measurement of prompt neutron spectrum in spontaneous fission of ^{252}Cf. (INIS-mf – 3896) 356810
Neutron spectra of ^{252}Cf spontaneous fission in the energy range from 0,5 to 7 MeV. (FEI – 575) 349143
Prompt neutron spectrum in thermal fission of ^{235}U in the energy range from 10 keV to 1 MeV. (INIS-mf – 3896) 356816
Study on the factors affected on energy dependence of fission prompt neutron mean number. (FEI – 579) 359417
Kuz'minov, Yu.S.
Temperature dependence of Raman spectra of Basub(0.25)Srsub(0.75)Nbsub(2)Osub(6) crystal. 358898
Kuz'minskij, A.S.
Development of the process of radiation vulcanization of calendered rubber products using the "Electron-3" accelerator. (INIS-mf – 4194) 376284
Thermal and thermal-oxidative stability of radiation vulcanizates of ethylene-propylene rubber. 362269
Two-stage method for radiation vulcanization of moulded mechanical rubber articles using electron accelerator. (INIS-mf – 4194) 376291
Kuz'minykh, V.A.
Application of the "beam sweep" method to calculate absorption of beta particle flux in a segmental model. 349098
Calculation of total coefficients of beta-particle backscattering by thick absorbers. 356550
Kuz'mishchev, V.A.
Some optical properties of mono- and polycrystals of molybdenum and tungsten in ultraviolet spectrum range. 357324
Kuzakov, S.M.
Recombination luminescence of lanthanum chloride activated by rare earth ions. (INIS-mf – 3955) 377231
Kuzelka, J.
Basal plane orientation in magnesium-based extruded composites. (UJV – 3178-M) 349487
Kuzembaev, K.K.
Effect of radioactive radiation on catalytic properties of solid materials. 370219
Hydrogenetion of unsaturated compounds at irradiated by α-and β-particles catalysts. 373091
Kuzginov, V.I.
Determination of fracture toughness in samples with a surface crack. 378667
Kuzhetsov, V.M.
On quality of metal rolled using elastic oscillations energy. (INIS-mf – 3914) 349537
Kuzhetsova, V.V.
Luminescence of Eu^{3+} in the Eu_2O_3-Y_2O_3-Ta_2O_5 system. (INIS-mf – 3955) 377265
Kuzhevskii, B.M.
Analysis of the complex solar particle event on April 29-30, 1973. 366700
Correlation of propagation characteristics of solar cosmic rays detected on board the spatially separated space probes Mars-7 and Prognoz-3. (KFKI – 77-38) 356242
Study of coronal and interplanetary propagation of solar particles following the E45 deg solar flare on July 29, 1973. (KFKI – 77-39) 356243
Kuzhevskij, B.M.
High-velocity solar wind plasma fluxes and active regions on the Sun. 377668
Radioactive nuclei and background gamma radiation of the quiet Sun. 369141
Relation between numbers of produced and going out into interplanetary medium particles of solar cosmic rays. 364358
Kuzin, A.M.
Effect of ionizing radiation on the processes of ion transport in the liver mitochondria. 379030
Inhibiting action of blood serum of irradiated animals on H^3-thymidine incorporation into DNA of rat thymocytes in vitro. 370367
Molecular mechanisms of stimulating action of an ionizing radiation on seeds. 367474
Stimulating action of continuous γ-irradiation with low dose-rates on the growth and development of Aspergillus niger. 360248
Study in the allergic activity of plant radiotoxins intracutaneously injected into irradiated animals. 360260
Kuzin, A.N.
Isolation and identification of the chemical nature of a natural modifier of radiation mutagenesis in Vicia faba and its possible mechanism of action. 362653
Kuzin, E.N.
Study of neutron spectra in the BFS-28, BFS-30, BFS-33 fast critical assemblies using CINI and FEI spectrometers with proportional counters of recoil protons. (FEI – 698) 376643
Kuzin, I.A.
Purification of liquid radioactive wastes by means of sorbents on bitumens base. 350395
Kuzin, V.A.
Automation facility a time-of-flight mass spectrometer for the study on dynamics of fast chemical reactions. 363618
Kuzina, G.F.
Interaction of complex chlorides formating during raw material chlorination and salt refining of rare metal chlorides. 357029
Thermal and tensimetric study of some fields into $NbOCl_3$-$TaCl_5$;$NaAlCl_4$-NaCl system. 357038
Kuzina, S.V.
Comparative evaluation of the action of γ-rays and accelerated electrons on the growth and development of potatoes. 379003
Kuzina, T.I.
Synthesis of double chromates of cerium subgroup rare earths and potassium from solutions and studying some of their properties. 359688
Kuzina, V.A.
$2CsCl$-$CaCl_2$-$CsNO_3$-$Ca(NO_3)_2H_2O$ system at 25 deg C. 351467
Kuzmitskite, L.L.
Investigation of oscillator strengths for 3dsup(N)→3dsup(N)4s dipole transitions in the single-ionized atoms of the iron group. 377062
Kuznetsov, A.A.
Analog memory device with a two-step data recording. 350370
Kuznetsov, A.G.
Rapid borating from pastes. 357286
Kuznetsov, A.I.
Device for studies on the dynamic characteristics of thermoneutron detectors. (Soviet patent document 412538/A/) 355607
Investigation of electron-hole processes in $YAlO_3$. (INIS-mf – 3955) 362523
Kuznetsov, A.K.
Phase correlations in DyOsub(1,5)-PrOsub(1,5) and DyOsub(1,5)-PrOsub(x) systems. 367096
Phase relationships in the YOsub(1,5)-PrOsub(x) system and physico-chemical properties of solid solutions. 360033
Solid solutions in the system Y_2O_3-Pr_2O_3 and its morphotropy. 349303
Kuznetsov, A.N.
Fast neutron generator. (Soviet patent document 402945/A/) 355078
Kuznetsov, A.P.
New method for analysis of noble metals in intermediate products of nickel production. 362130
Kuznetsov, A.S.
Formation temperature and growth kinetics of flakes in the 35KhN3MFA steel. 349533
High-pulsed parts of spectra of secondary particles from collisions of 6,3 GeV/C deuterons with protons, deuterons and carbon nuclei. (JINR-D – 1,2-9342) 356486
Rapid borating from pastes. 357286
X-ray produced radiation defects in MgO crystals. (INIS-mf – 3992) 368825
Kuznetsov, A.V.
Graphite fracture toughness testing technique. 358022
Radioprotective and radiosensitizing effectiveness of some chemical compounds in vivo under aerobic and anaerobic conditions. 378967
Kuznetsov, B.N.
Preparation of the (Re + Pt)/SiO + L2 catalysts using rhenium platinum organometallic compounds. 378257
Kuznetsov, D.A.
Technique and some results of study on organic scintillators for neutron identification according to detector-current pulse shape. (IAE – 2472) 358373
Kuznetsov, D.G.
Properties of phosphate and silicate glasses used for the solidification of radioactive waste. 358513
Kuznetsov, E.A.
On complete integrability of two-dimensional classical Thirring model. 371401
On the Kolmogorov turbulent spectrum in the direct interaction model. 366582
Kuznetsov, E.P.
Observation of possible production and decay of short-living heavy neutral particles in the SKAT neutrino experiment. 353930
Kuznetsov, F.A.
Investigation of materials and structures for electronic engineering. 349249
Kuznetsov, G.A.
Determining trace amounts in oils using neutron activation method. 367355
Kuznetsov, G.D.
Method of producing tungsten coatings. (Soviet patent document 449116/A/) 354487
Kuznetsov, G.F.
Complexometric determination of trivalent rare earths and actinides with diethylene-triaminepentaacetic acid. 367059
Kuznetsov, I.A.
Fast reactor. (Soviet patent document 490187/A/) 355459
Safety of sodium-cooled fast reactors. 370527
Kuznetsov, I.V.
A gas discharge ion source for an on-line electromagnetic mass separator at a heavy ion accelerator. II. 367862
Production of neutron-deficient isotopes of Fr and Rn while irradiating Ir by Ne ions. (JINR – 7-9566) 351377
Kuznetsov, L.B.
Determination of oxygen in complex-alloyed steels using method of reducing melting with pulse heating of sample. 356958
Study on niobium reduction during vacuum melting. 378576
Kuznetsov, L.K.
Mechanisms of vacancy complex growth. 374741
Kuznetsov, L.M.
On the low-temperature oxydation of UO_2, U_3O_8 and U_3Osub(8-x) phase by nitrogen dioxide. 351627
On the nature of zeta-UO_3 phase (Cornman oxide). 354403
Kuznetsov, N.A.
Experimental investigation of digital algorithms for direct control of neutron flux on the IRT-2000 reactor. 376461
The philosophy of the power distribution computer-controlled system for channel type reactors. 379582

Kuznetsov, N.T.
Crystal structure and physicochemical properties of $SrB_{12}H_{12}x7H_2O$. 349298
Gravimetric determination of closo-dodecaborates with tetraphenylphosphonium. 364889
Synthesis and some physicochemical properties of compounds with $B_{12}X_{12}^{2-}$ anions. 378327
Kuznetsov, R.A.
Study of standards of magmatic rocks by instrumental neutron activation analysis using gamma spectroscopy of high resolution. (INIS-mf – 3994) 378096
Kuznetsov, S.N.
Composition of penetrating radiation over the Earth atmosphere by the Kosmos 721 data. 357551
North-south asymmetry and anisotropy of solar cosmic radiation during the April 18, 1972 flare. 378923
On relation of low-energy proton fluxes with variations in the geomagnetic field. 376049
Study on captured radiation on the "Kosmos-426" satellite. 4. Structure of electron fluxes on outer bound of the geomagnetic trap. 376048
Study on trapped radiation by the Kosmos-426 satellite. 378947
Kuznetsov, S.P.
The safety problems of nuclear power plants with channel-type, graphite, boiling-water reactors. 370875
Kuznetsov, V.A.
Kinetic parameters of gas-phase reactions of alkaline earth metals with nitrogen monoxide. 375476
Kuznetsov, V.D.
Probability of fission of ^{232}Th induced by μ mesons. 349136
Kuznetsov, V.G.
Preliminary data on $CsTb(PO_3)_4$ crystal structure. 369685
Structure of rhombic modification of zirconium polyphosphate $Zr(PO_3)_4$-2. 357017
Synthesis and crystal structure of potassium trisulfatouranylate, $K_4[UO_2(SO_4)_3]$. 349328
Kuznetsov, V.I.
Formation of disorder regions in silicon affected by high-energy gamma-quanta. 348795
Kuznetsov, V.M.
Determination of circular scintillation detector efficiency. 376644
High-stability plane top shaping in a excitation current pulse of the "SIRIUS" synchrotron electromagnet. 370753
Nanosecond time-to-amplitude converter. 376717
On the quantum-statistical calculation of metal energy. 369980
Polarization characteristics of the coherent bremsstrahlung at a nonaxial collimation. 374570
Rotating plasma in the "Tornado-650" trap. (INIS-mf – 3963) 371750
Study of polarographic behaviour of indium, cadmium, lead and zinc in solutions saturated by tridecylamine. 378392
Kuznetsov, V.N.
Output organization of a graphic image of events detected by filmless devices. (JINR – 10-8992) 353022
Photocatalytic properties of beryllium oxide. Photoactivated homomolecular oxygen exchange. 351519
Software for an experiment in serch for a new type of radioactivity. (JINR – 10-9214) 380150
Kuznetsov, V.O.
Injector with the field-emissive cathode for a betatron. 370754
Kuznetsov, V.S.
Calculation of intense charged particle beam characteristics by means of a continuous model program. (NIIEFA-D – 0208) 355195
Device for calibrated electrode burn to evaluate steel brittleness. 360748
Multi-channel analog device for control of magneto-optical elements in particle beam channels. 357962
Kuznetsov, V.V.
Beta spectra investigation by the YSNAPP program. (JINR-R – 6-9711) 366990
Conception of injector design for a thermonuclear reactor. (INIS-mf – 3954) 361623
Fine structure effect on hydrogen permeation through iron. 375906
Response function correction for a magnetic beta spectrometer. 376618
Study of beta-spectra by means of the ST-2 ironless beta-spectrometer with a toroidal magnetic field. (JINR-R – 13-10611) 358363
Kuznetsov, V.Ya.
Structure of Marignac's salt. 357056
Kuznetsov, Yu.A.
Integral model of linear momentum for one-dimensional two-phase flows. 379431
Kuznetsov, Yu.M.
On rolling of alloyed steels on the continuous light-section mill 250. 375767
Kuznetsov, Yu.N.
The nature of defects arising on tellurium solution decomposition in GaP monocrystals. 377259
Kuznetsov, Yu.V.
Multi-channel ignition system for spark gaps. 376672
Radiochemical investigation of deep sea deposits by gamma-spectroscopy method. 349639
Stabilization of time characteristics of the Arkad'ev-Marks. 358405
Kuznetsova, A.A.
NMR study into reactions of vanadium- and tungsten oxohalogenides with alcohols. 369608
Kuznetsova, A.I.
Problem on primary radiation filtration effect on form of coupling equations during X-ray fluorescence analysis. 354298
Kuznetsova, E.M.
Theory of extraction of alkali metal halides from concentrated aqueous solutions by alcohols. 349250
Kuznetsova, G.V.
Protein synthesis in the nuclei of cells of small intestine mucosa of rats suffering from the most severe form of acute radiation sickness and treated with the protector. 379009
Kuznetsova, L.I.
Kinetics of ethylene oxidation into acetaldehyde with phosphomolybdenovanadic heteropoly acids in the presence of Pd(2) aqua-complex. 378340
Solidification of the polyester coatings with accelerated electron beam in air. (INIS-mf – 4194) 376281
Study of products of reduction of phosphomolybdic heteropoly acid by the method of EPR in aqueous solutions. 375508
Kuznetsova, N.A.
Programs for arithmetical actions with number of different types. (ITEF – 30) 350442
Kuznetsova, N.N.
Influence of cysteamine on x-ray induction of mutations on resistance to 8-azaguanine in chinese hamster cells in vitro. 349699
Protective action of DNA preparations on the survival of cells and yield of 8-azaguanine resistant mutations in X-irradiated cell culture of chinese hamsters. 370319
Kuznetsova, N.P.
Calculation of intense charged particle beam characteristics by means of a continuous model program. (NIIEFA-D – 0208) 355195
Kuznetsova, S.S.
On the informativeness and prognostic significance of indices of the initial state for estimation of individual radiosensitivity of rats. 376092
Kuznetsova, T.A.
Formazanes as analytical reagents. 378150
Kuznetsova, T.P.
Extraction of alkali-earth elements and magnezium by α-branched monocarboxylic acids. 357222
Kuznetsova, T.V.
New methods for measuring neutron spectra with energy from 0.4 eV to 10 MeV by track and activation detectors. 363558
Kuznetsova, V.A.
Spectral-time analysis of modulation of poured out electrons and VLF-radiation on data obtained by the Interkosmos-5 satellite. 376046
Kuznetsova, V.V.
Anti-Stokes luminescence of (GdEr)OCl and (GdErYb)OCl systems. (INIS-mf – 3955) 377237
Investigation into mechanism of solid-phase reactions with participation of rare earth oxides by luminescence method. 378369
Kuznetzov, I.V.
A gas-discharge ion source for an on-line electromagnetic mass separator at a heavy ion accelerator. I. 367861
Kuznicki, R.C.
Phase relations and stability studies in the $Si_3N_4 – SiO_2 – Y_2O_3$ pseudoternary system. 357365
Kuzovitkin, V.F.
Properties of coatings based on alumomagnesium spinel. 370089
Kuzovkin, D.A.
Adsorption chemiluminescence on γ-irradiated adsorbents. 378539
Kuzovkov, V.M.
Development of radiation-chemical technology for production of rubber products using electron accelerators. (INIS-mf – 4194) 376286
Kuzovlev, I.A.
Limit reduction of mecroimpuritis detection in chemical-spectral analysis of pure substances. 359569
Kuzuya, Kazuo
Irradiation of cancer of the uterine cervix and immunological mechanism. 354808
Kuzuya, T.
Human c-peptide immunoreactivity (CPR) in blood and urine – evaluation of a radioimmunoassay method and its clinical applications. 352163
Kvaale, E.
Decay properties of some neutron-rich cerium isotopes. 359459
Kvachadze, V.G.
Low temeprature thermal conductivity of irradiated KCl crystals. (INIS-mf – 3245) 349593
Kvamme, E.
In vivo labelling of acetyl-aspartyl peptides in mouse brain from intracranially and intracranially and intraperitoneally administered acetyl-L-[U-^{14}C]aspartate. 357624
Kvantaliani, O.Sh.
Evaluation of real errors in cosmic ray data automation of the data acquisition and primary computer processing. 357524
Kvartskhava, I.F.
Formation of long-existence dense plasma configurations in zeta-pinch. (INIS-mf – 3963) 353587
Kvashnina, L.V.
Some problems of the theory of blocking effect in non-perfect crystals. (INIS-mf – 3995) 377232
Kvasnikov, S.P.
Device for nuclear power reactor control. (Soviet patent document 473220/A/) 355349
Kvasov, A.I.
Relativistic nucleus dosing for two-meter propane chamber. (JINR – 13-10353) 379891

Kvasov, F.I.
Powder metallurgy of heat resisting nickel alloys. 370094
Powder metallurgy of titanium and its alloys. 370095
Properties of glassy metals. 369981
Kvichko, L.A.
Investigation of peculiarities of injection of rare earth ions into crystals with garnet structure. (INIS-mf – 3955) 364931
Kvochka, V.I.
50 MeV electron synchrotron with cyclotron preacceleration. 350092
Kvochkina, T.N.
Gamma guanta families from a dense target and their inter. 361662
Kvyatkovskaya, G.A.
Black chromium coatings on different structural materials. 351706
Kvyatkovskaya, L.Ya.
Glycerin-acid complexes of titanium and zirconium in solutions. 359707
Kwak, H.
Initial value problem with non-Hermitian radial mode equations. 350870
Kwan, B.P.
Electron-muon and electron-hadron production in e^+e^- collisions. 366879
A search for neutral heavy leptons. 356514
Kwan, D.K.H.
Radiosensitivity of human lymphocytes and monocytes. 360227
Kwan, J.
Circumstellar envelope of IRC+10216. 359113
Molecular hydrogen emission at the Orion Nebula. 359114
Simulation of the effects of translational and vibrational energy on H and D atom reactions with HCl and DCl. 365004
Kwan, L.I.
Axial density and temperature variations in a magnetically confined arc. 350897
Kwapulinski, J.
Contamination on the chosen regions of South Poland. 373637
Influence of mineralization of rainfall and snowfall on the specific radioactivity. 354712
Localization of water-supply intakes from water reservoirs in light of radio-ecological investigation. 365462
Kwapuscik, E.
Generalization of Heisenberg quantum mechanics. (INP – 873/PL/PH) 371402
Kwart, H.
Secondary deuterium isotope effects in the thia-allylic rearrangement. 362190
Kwasniewska-Rokicinska, C.
Primary carcinoma of fallopian tubes in the material of the Institute of Oncology in Gliwice. 367521
Kwasnitza, K.
Ac losses of multifilament superconductors reduced below the level of filament hysteresis losses due to field screening by filament coupling currents. 356364
Scaling law for the ac losses of multifilament superconductors. 356365
Kwast, H.
Loss-of-cooling experiments with single fuel pins. (CONF-761001 – P4) 362967
Transient tube burst tests on fast reactor fuel cladding. (ECN – 21) 352257
Kwestroo, W.
Hydrogarnets $Ba_3In_2(OH)_{12}$ and $Ba_3Sc_2(OH)_{12}$. 365224
Kwiatkowski, A.
Anticorrosional protection in nuclear power station objects. 368246
Kwiatkowski, J.W.
Estimates and sampling schemes for the instrumentation of accountability systems. (UCRL – 13733-1) 352859
Kwiecinski, J.
Analyticity and duality in the OZI rule violation. 369305
On the Regge-cut cancellation in planar amplitudes of the dual unitarisation scheme. 353861
Kwiek, S.
In vivo and in vitro ^{3}H-thymidine incorporation into bone marrow cells of mice irradiated with 200R. 373534
Kwoh, D.S.W.
Attempt to produce both thick and thinned flowing superfluid films. 351122
Kwon, S.H.
Selection for blast-resistant mutants in irradiated rice populations. 373749
Kyazym-zade, A.G.
Generation of electric pulses by indium selenide monocrystals. 350699
Negative residual photoconductivity in indium selenide monocrystals. 348748
To the problem on anomalous photoconductivity in indium selenide monocrystals. 374649
Kybranz, R.
Pliers for gripping objects. (German (F.R.) patent document 2537005/A/) 367950
Kychkin, I.S.
Correlation between wave functions of many-electron atoms in various coupling schemes. 368666
Properties of the fractional parentage coefficients and the reduced matrix elements of operators with respect to the transposition of the spin and quasispin quantum numbers. 377118
Kydryashov, Yu.B.
The effect of radioprotectors and ionizing radiation on the cAMP system. 360228
Kyger, J.A.
Light-water-reactor safety program. Quarterly progress report, April – June 1977. (ANL – 77-59) 367793
Kyle, R.A.
Measurement of IgD by a double antibody radioimmunoassay: demonstration of an apparent trimodal distribution of IgD levels in normal human sera. 373652
Kyle, T.
Multiple HEPA filter test methods, January – December 1976. (LA – 6852-PR) 357841
Kyohara, Shigeru
Effect of sponge ball cleaning on removing vernacles in condenser tubes. 350139
Kyoshima, A.
Velocity measurement of fast ions by Doppler shift of light emitted from ions passed through thin foil. 368667
Kyriakopoulos, E.
Equations of a massive electrodynamics with magnetic charges. 358668
Monopole-antimonopole bound state. 348600
Kyrs, M.
Radioanalytical determination of strontium by the method of concentration dependent distribution using solvent extraction in the presence of EDTA. (INIS-mf – 3849) 378139
Kyrsova, V.
Extraction of uranyl sulfate with tri-n-laurylamine. 349332
Kysela, F.
Radiochromatographic methods. 369554
Kyser, D.F.
Effects of substrate bias and annealing on the properties of amorphous alloy films of Gd-Co, Gd-Fe, and Gd-Co-X (X=Mo,Cu,Au). 378639
Kyser, J.M.
SAS4A LMFBR accident analysis code system: a progress report. (CONF-761001 – P3) 365548
Kyun'ke, L.M.
Use of resonance activation for multielement instrumental neutron activation analysis of plants. (INIS-mf – 4188) 378106
Kyz'menko, A.V.
Representation of the scattering amplitude by the functional integral and quasiclassical asymptotics in quantum mechanics. 368601
Kzyatkovskij, V.V.
Electric computer for determination of U and Th concentrations from gamma spectral data. 360148
L-Zaleski, C.P.
Phenix power station experience. 371037
Relative capital cost of the LMFBR. 371034
L'Abbate, A.
Regional myocardial perfusion in patients with atherosclerotic coronary artery disease, at rest and during angina pectoris induced by tachycardia. 360381
L'Archeveque, J.V.R.
INMACS – An approach to on-line nuclear materials accounting and control in a fuel fabrication environment. (AECL – 5902) 361215
L'Ecuyer, J.
Doubly peaked helium depth profiles in copper and blistering. 362550
L'Homme, A.
Fission product release and plateout in HTGRs. 370972
L'vov, A.L.
Electroreduction of vanadium pentoxide in molten eutectics of lithium, – potassium- and rubidium chlorides. (INIS-mf – 4189) 375500
L'vov, A.N.
Analysis of γ-ray angular correlations for nonzero spin target nuclei. (KFTI – 75-15) 361996
Angular distribution of gamma rays from the $^{31}P(p\gamma)^{32}S$ reaction. 375185
Electromagnetic transitions in light nuclei. (KFTI – 75-15) 361997
Fine structure of isobaric analog state in ^{23}Na. (KFTI – 75-15) 361999
Radiative capture of protons by ^{31}P nuclei. 359501
L'vov, K.M.
Mechanism of the formation of paramagnetic centres in poteins under UV-radiation. 349700
Study of the accumulation of paramagnetic centres in protein solutions under UV-radiation. 349701
L'vov, L.N.
Low pressure measurement technique. 376697
L'vov, V.N.
Effect of parameters of argon-arc welding with non-consumable electrode on corrosive properties and structure of welds of pipes in steel-12Kh18N10T. 375772
Fabrication of welded pipes of the KhN45Yu alloy. 375776
L'vov, V.S.
On the Kolmogorov turbulent spectrum in the direct interaction model. 366582
L'vova, E.A.
Investigation into decomposition kinetics of the metastable α'' and β phases of the quenched VT3-1 alloy in the process of tempering. 369922
L'vova, E.P.
Structure and strength of the steel plated with nickel alloy using explosion welding. 359926
L'vova, T.B.
Safety of Ag/AgI/Te film galvanic cells. 357006
La Briola, F.
Homogenized-cell diffusion parameters from transport codes.

360760
La Noe, J. de
The spectrum and position of solar noise storms at decameter wavelengths. 372202
Laan, H. van der
A search for radio emission from a sample of optically selected quasars. 366694
Laar, B. van
Spin density measurments with polarized neutrons. (INIS-mf – 4267) 377233
Labana, S.S.
Paint and binding material to be hardened by ionizing radiations. (German (F.R.) patent document 2163661/C/) 354429
Paints binding materials hardenable by ionizing radiations and their applications. (German (F.R.) patent document 2163660/C/) 354430
Labanti, M.
Some aspects of high temperature structural design on LMFBR system and components. (IWGFR – 11) 355458
Labarsouque, J.
Proton scattering at intermediate energies: excitation of collective states and dispersive effects. (LYCEN – 7702(pt.1)) 369457
Labarthe, J.J.
Calculation of hyperfine-structure second-order effects on the isotope shifts in Sm I. 368668
LaBauve, R.J.
Biological effects of $^{239}PuO_2$ inhalation in the Rhesus monkey. (LF – 56) 362718
Calculation of cross-section space shielding factors for doubly heterogeneous reactor cores: pointwise or ultrafine group method. (LA-NUREG – 6837-MS) 352702
Generation of uniform density transuranium oxide aerosols by gas phase neutralization of acidic droplets. (LF – 56) 365326
Monodisperse aerosols of ^{244}Cm oxides: preparation and evaluation of dissolution properties. (LF – 56) 365433
Laberrigue, J.
Λ and anti Λ production in K^+p interactions at 32 GeV/c. 372512
Lablache-Combier, A.
Study by electron paramagnetic resonance of the radiolysis of pyridine N-oxide in a vitreous methanol matrix. 362277
Labonte, B.J.
A measurement of the helium D_3 profile with a birefringent filter. 353693
LaBonville, P.
Normal coordinate analyses of the neutral CO_3 and SO_4 molecules. 350639
Laborie, F.
Influence of the solvents on the γ-ray polymerization of acrylic acid. I. 373061, 373062
Labrie, J.P.
Doubly peaked helium depth profiles in copper and blistering. 362550
Labrousse, M.
Irradiated fuel transport and handling system adopted for Electricite de France's nuclear power plants. 367948
Labunov, V.A.
Installation for measuring electrophysical properties of thin films. 357295
Preparation of superconducting Nb films with high value of transition temperature by electron-beam evaporation. 369253
Labusch, R.
Statistical theory of dislocation configurations in a random array of point obstacles. 366432
Labzin, V.G.
The cascade de-excitation processes of atoms ejected from surfaces during the ion bombardment of solids. (INIS-mf – 3996) 363870
Labzovskij, L.N.
Electron-electron weak interaction in atoms and ions. 374616
Lacaille, J.M.
Tomography by compton scattering scintigraphy. (INIS-mf – 4010) 358335
Lacarrieu, C.T.
Discussion of the calculation of the density law (Dz). 369142
Lacaze, A.
Analysis of some processes derived from the Claude refrigeration cycle. 360608
Lach, J.
Small angle elastic scattering. 353977
Lachambre, A.B.
Working with plutonium fuels in a beta-gamma laboratory. 360688
Lachere, G.
Atomic M lines of metallic plutonium. 355895
Lachet, B.
Measurement of RBE, OER, and recovery of potentially lethal damage of a 645 MeV helium ion beam using EMT6 cells. 365351
Lachinov, V.M.
Automatic drive for the MIKh-2 magnetometer for measurements of pulse magnetic fields in the UTI adgesator. (JINR – 9-9586) 374377
Lachkar, J.
Analysis of dynamic effects in fission of ^{240}Pu at low energies. (INIS-mf – 3896) 356643
Analysis of experimental data on neutron reaction on carbon for the energy range to 20 MeV. (INIS-mf – 3897) 356779
Elastic and inelastic scattering of fast neutrons by even isotopes of silenium. (INIS-mf – 3897) 356815
The nuclear deformation of ^{148}, $^{15}+H0$, ^{152}, ^{154}Sm determined from neutron scattering measurement. (INIS-mf – 3897) 356876
Study on the (n, n' γ) reaction for even isotopes of selenium and germanium. (INIS-mf – 3897) 356881
Lachugin, V.I.
Device for sampling and storage of instanteneous values of an analog signal. 376737
Lacina
Current state of the project of supplying Chemopetrol Trust plants Spolana, Neratovice and Kaucuk, Kralupy with heat energy from the Kojetice nuclear power and heat plant. (INIS-mf – 4055) 368429
Lackey, W.J.
Determination of defective particle fraction in high-temperature gas-cooled reactor fuels. 363471
Effect of deposition conditions on the properties of pyrolytic silicon carbide coatings for high-temperature gas-cooled reactor fuel particles. (ORNL/TM – 5743) 365950
Effects of processing variables on HTGR fuel kernels fabricated from uranium-loaded cation-exchange resin. 368171
Improved gas distributor for coating high-temperature gas-cooled reactor fuel particles. 365932
Improved gas distributor for coating HTGR fuel particles. 351836
Influence of process variables on permeability and anisotropy of Biso-coated HTGR fuel particles. (ORNL/TM – 6087) 373307
Inspection of high-temperature gas-cooled reactor recycle fuel. (ORNL – 5165) 363372
Quality control tests for high-temperature gas-cooled reactor recycle fuel. 376544
Lackner, K.
Free-boundary equilibrium computations for strongly elongated Belt Pinch plasmas. 348882
Influence of a resonant helical octopole field on the Pulsator tokamak plasma. (INIS-mf – 3963) 371910
Models for the influence of resonant helical windings on tokamak discharges and for the current decay following the disruptive instability. (INIS-mf – 3963) 371919
Lackore, J.K.
UV emitter with swingable closures. (German (F.R.) patent document 2623020/A/) 365659
Lackovic, S.
Image analysis and beam damage. 371573
Lacmann, K.
Differential cross sections, in energy and angle, for Li + Cl_2 and Br_2 charge transfer reactions. 355889
Lacombe, A.
The Mark II Nancay radioheliograph. 372129
Lacombe, P.
Demonstration of carbon heterogeneities in an 18-8 austenitic steel by the technique of high-resolution autoradiography. 354550
Lacourt, A.
A detector for high-energy neutrino interactions. 379899
Lacroix, A.
Utilization and performance of sodium instrumentation during start-up and initial operation of PHENIX. (CONF-760503 – P2) 352768
Lacroix, F.
Present state of nuclear power plants insurance in Belgium. (INIS-mf – 3902) 355674
Lacy, J.L.
Cosmic-ray antiproton flux: an upper limit near that predicted for secondary production. 372118
A magnetic spectrometer for cosmic ray studies. 374321
Ladet, J.
Primary circuit thermal hydraulic analysis of Super Phenix 1 Reactor; sodium and structures temperatures calculations; salt water tests – hot water tests. 371033
Ladik, J.
Quantum theory of polymers. 374790
Ladinskaya, L.A.
Natural concentrations of Pb^{210} and Po^{210} in plants of steppe phytocoenoses. 357630
Ladisch, R.
Comment of fragmentation of UO_2 by thermal stress and pressurization. 374174
Ladonin, V.F.
Herbicides effect on the nitrogen fertilizer assimilation by sensitive plants. 349817
Ladron de Guevara, P.
Observation of interference correlations between like pions in the reaction proton antiproton→2πsup(+) 2πsup(-)πdeg at low energy. 356382
A thermodynamical analysis of the charged-pion momentum spectra from the annihilation proton-antiproton→ πsup(+-)Ksub(s)sup(deg)Xsup(+-) at low energy. 353755
Ladygina, V.G.
Isolation and identification of the chemical nature of a natural modifier of radiation mutagenesis in Vicia faba and its possible mechanism of action. 362653
Laegerbaeck, R.
Studies on neotectonic activity in central and northern Sweden. Investigation of air-photos and interpretation of recent faults. (KBS-TR – 19) 363671
Laegsgaard, E.
Pb-K-shell ionization in α decay and α backscattering. I. 377072
Pb-K-shell ionization in α decay and α backscattering. II. 377053
Laehde, S.
Comparison of the practical diagnostic value of different tomographic movements. 376189
Laeng, P.
Intermediate state structures in the presence of a nonuniform exterior magnetic field. 377702

Laeser, L.
Surface protection by means of cadmium. 367215
Lafery, H.
Effects on the activity level in the primary circuit water coolant of pressurized water reactors by continuous purification of partial streams. 365879
Lafitte, B.A.
Tensile analysis of an edge notch in a unidirectional composite. 357397
Lafitte, R.
Advanced concepts in prestressed-concrete containment construction due to hot liners from the special point of view of economical construction. 370973
Lafleur, J.D. Jr.
International exchange of safety and licensing information. 371324
Lafon, A.
Decontamination of materials after exposure in LMBFR primary circuit. (CONF-760503 – P2) 352765
Laforte, C. de
Dual isotope scintiscanning (iodine and selenomethionine). Detection of thyroid cancer in aged patients. 354960
Lafrance, G.
Vlasov equilibrium in the KEMP II machine with realistic limits of plasma particle energy and momentum. 356139
Lafuma, J.
Effects of chronic and continuous low-dose rate gamma exposure on the life span of athymic nude and heterozygous mice. 354785
Pulmonary tumors induced in the rat by the internal α irradiation; target cells and sensitive cells. 354774
Laga, P.
Investigations into the possibility of final disposal of radioactive wastes in an underground clay formation. 358520
Lagache, M.P.
Steam plant surface condenser leakage study. Final report: Volume I. (EPRI-NP – 481(Vol.1)) 358059
Steam plant surface condenser leakage study: appendices. Final report: Volume II. (EPRI-NP – 481(Vol.2.)) 358060
Lagally, H.O.
Review of FFTF and CRBRP control rod systems designs. (CONF-771217 – 5) 379590
Lagally, M.G.
Disordering phenomena and adatom-adatom interactions in chemisorption: a study of W(110)p(2x1)0 as a function of coverage. 370072
Lagarde, J.F.
Nuclear power plant erection. 355310
Lagattuta, K.J.
Electron-molecule resonances in a multiple-scattering theory. 353296, 377063
Lager, D.L.
Determining a subsurface electromagnetic profile fom high-frequency measurements by applying reconstruction-technique algorithms. 358669
Lagerlund, E.
Tectonic analysis of southern Sweden. Vaettern – northern Skaane. (KBS-TR – 20) 366107
Laget, J.M.
Photoproduction of negative pions on D and ^{4}He in the Δ(1236) region. (LYCEN – 7702(pt.1)) 369460
Lagnier, R.
Irradiation of pyrolytic graphite at liquid helium temperature by electron beams. 370132
Lago, G.
Scintigraphy of the cerebrospinal fluid. 354967
Lagomarsino, R.J.
Stratospheric concentrations of N_2O in July 1975. 351971
Lagomarsino, S.
Dynamical neutron diffraction by curved crystals in the Laue geometry. 371551
Lagorsse, J.M.
Properties of some III-V compounds in thin films realized by sputtering. 368826
Lagos, M.
Scattering of low-energy atoms by metallic surfaces. 377234
Lagrance, Ch.
Evaluation of a coherent set of effective neutron cross-sections for n + ^{238}U from 3 keV and 20 MeV. (INIS-mf – 4043) 377899
Lagrange, Ch.
The nuclear deformation of ^{148}, ^{15} + H0, ^{152}, ^{154}Sm determined from neutron scattering measurement. (INIS-mf – 3897) 356876
Lagrange, J.M.
High spin states in lead isotopes with A between 193 and 199. (IPNO-PhN – 77-17) 359450
LaGrange, L.D.
Impact of pyrophoricity of weak-acid-resin kernels on head-end reprocessing. (GA-A – 14482) 375746
Lagu, A.V.
Is it safe to use the unitary pole expansion for hard core potentials. 359421
Lagunas-Solar, M.
Present and future applications of iodine-123. 354835
Lagunov, V.M.
"Akvagen" pulse electron accelerator. (INIS-mf – 3954) 363146
Lagutin, A.A.
To the calculation of energy resolution of ionization calorimeter. 363596
Lagutina, G.D.
Investigation into reaction of lanthanum oxyfluoride with molten fluorides. (INIS-mf – 4193) 375417
Lagutina, T.A.
Investigation into catalytic activity of technetium and its dioxide. 373092
Lahaie, G.
Environmental monitoring at Chalk River Nuclear Laboratories. (AECL – 5698) 359553
LaHaye, R.J.
Absorption of high frequency electromagnetic waves in a magnetoplasma. 350837
Lahey, R.T.
The effect of non-uniform axial heat flux on critical power. 376518
Lahey, R.T. Jr.
An exact analytical solution of pool swell dynamics during depressurization by the method of characteristics. 374143
Lahmam Bennani, A.
Differential cross sections for 35keV electrons elastically scattered from NH_3. 353297
Lahner, K.
Compact storage racks for spent fuel elements at the Biblis nuclear power plant. 370905
Lahoud, J.A.
The correlation of peak ground acceleration amplitude with seismic intensity and other physical parameters. (PB – 263972) 362989
Lahr, H.W.H.
Properties and irradiation behavior of advanced oxide particle fuel. 379778
Lahs, W.R.
Nuclear regulatory commission structural technology programs for shipping containers. 360689
Lahtinen, T.
Comparison of sup(113m)In and ^{133}Xe i.v. injection methods for evaluation of placental blood flow. 373680
Lai, C.C.
Hypersonic sound velocities in aqueous salt solutions. 368531
Lai, C.S.
Ionization energies of the hydrogen molecule ion in strong magnetic fields. 355896
On the axial heating of magnetically confined plasma with CO_2 lasers. 361577
Lai, K.W.
Strange-particle cross sections from π^+p interactions at 10.3 GeV/c. 351219
Lai, P.K.
Effect of hyperthermia on radiation damage and its repair in Tribolium confusum. 362670
Lai, W.
BWR Mark I pressure suppression study: bench mark experiments. (UCID – 17661) 379268
BWR Mark I pressure suppression study: characterization of the vertical load function utilizing bench top model tests. (UCID – 17675) 379633
BWR Mark I pressure suppression study: effect of downcomer fill level on the vertical load function. (UCID – 17662) 379269
Mark I 1/5-scale boiling water reactor pressure suppression experiment summary of effects due to vent line orifice variations: air test series. (UCID – 17539) 352635
Lai, Y.F.
Synthesis and characterization of an N-(2-hydroxyethyl)-ethylenediaminetriacetic acid resin. (IS-T – 770) 372891
Laibowitz, R.B.
The ratio of energy gap to transition temperature in amorphous superconductors. 359997
Laichter, Y.
A technique for the range measurements of individual ^{252}Cf fission fragments. (INIS-mf – 4052) 367876
Laidler, J.J.
Review of neutron and charged particle intercorrelation programs. (HEDL-SA – 1252) 377407
Role of simulation in the U.S. LMFBR Program. 360984
Status of international fuel cladding development. 379779
U. S. programs on reference and advanced cladding/duct materials. (HEDL-SA – 1175) 368197
Laidler, K.J.
Reactivity bands in atom – molecule collisions. III. The coplanar (H, H_2) reaction. 368707
Laikhtman, B.D.
Theory of phonon relaxation in He(II) at low temperatures. 359197
Laing, E.W.
Plasma physics. 364217
Laing, J.R.
Numerical test of the semiclassical approximation to the multicurve-crossing problem: Three-state model for He^+ + Ne collisions. 358770
Laing, W.R.
Composition of eta carbide in Hastelloy N after aging 10,000 hr at 815°C. (ORNL – 5340) 373226
Laissue, J.A.
Fate of intraintestinal thymocytes labeled with ^{125}iododeoxyuridine or tritiated thymidine. 352064
Laist, D.W.
Environmental planning and the siting of nuclear facilities: the integration of water, air, coastal, and comprehensive planning into the nuclear siting process. Improving regulatory effectiveness in federal/state siting actions. (NUREG – 0199) 352970
Improving regulatory effectiveness in Federal/State siting actions. Environmental planning and the siting of nuclear facilities: the integration of water, air, coastal, and comprehensive planning into the nuclear siting process. Final report. (PB – 269386)

366179
Laithwaite, K.
An optical study of irradiation damage in germanium. 370140
Laitinen, J.
An intravenous isotope method for measuring regional cerebral blood flow (rCBF) and volume (rCBV). 349808
Lajtai, A.
Search for low energy delayed neutrons for spontaneous fission of ^{252}Cf. 369504
Lajtan, A.
Prompt neutron spectrum in thermal fission of ^{235}U in the energy range from 10 keV to 1 MeV. (INIS-mf – 3896) 356816
Lake-Bakaar, D.M.
Distribution of ^{59}Fe-labelled iron-poly(sorbitol-gluconic acid) complex in normal and anaemic rats. 367584
Lake, B.G.
Possible role of antibody specific for a practolol metabolite in the pathogenesis of oculomucocutaneous syndrome. 379087
Lake, G.
Detection of intergalactic gas in distant, rich clusters. 364359
Lakeeva, Z.N.
Structural transformations and electric conductivity in the ZrO_2-Me_2O_3-Cr_2O_3 (Me-Ho, Dy) system. (INIS-mf – 4189) 375501
Lakhnyuk, V.M.
Inprovement of methods for rock capacity determination in a clay carbonate cut. 357479
On interpreting the geophysical exploration data in carbonaceous section stripped at the limestone-bituminous column. 378865
Lakhtin, Yu.M.
Control of molybdenum diffusion layer structure during nitridation in glow discharge. (INIS-mf – 4046) 369983
High hardness of alloyed ferrite after nitriding. 369982
Investigation into the steel nitridation in glow discharge. 349402
Study of the process of surface alloying of nickel alloys with tanthalum using contact or noncontact technigue. 357296
Lakiza, S.N.
Phase interactions in the Cd-As-Te system. 375853
Lakke, J.P.W.F.
^{11}C-labelled DOPA for detection of cerebral dopaminergic structures. (INIS-mf – 4010) 357618
Laks, B.
Spectral density of surface states: clean W brace001brace surface. 374742
Lakshmanan, M.
On the geometrical interpretation of solitons. 371403
Lakshminarayana, V.
Photoelectric interaction around the K edge. 361382
The use of radioactive decay in the implantation of impurities on hardly attainable sites in crystal lattices: Moessbauer investigation of Heusler alloys. (INIS-mf – 4267) 377313
Lakshmipathy, A.V.
Hydrological investigations carried out with nucleonic soil moisture and density gauges developed at Trombay. 368281
Laktionov, V.S.
Effect of ultrasonic treatment on high tensile nickel base alloys properties. (INIS-mf – 3914) 349401
Laktos, T.
Resistance of borosilicate glass. (KBS-TR – 44) 376770
Lal, B.
Fluorescence and lifetime studies of Ho^{3+}: caF_2. 371508
Lal, D.
The Dhajala meteorite shower: atmospheric fragmentation and ablation based on cosmic ray track studies. 350977
An ionisation wedge for simulation of the solar flare spectrum. 363614
On the flux of low-energy particles in the solar system: the record in St. Severin meteorite. 351038
Lal, H.B.
Magnetic and transport properties of Pr_6O_{11}. 351520
Lal, K.
Complexes of 5-chloro-2-hydroxy-4-methyl acetophenone oxime with palladium(II), copper(II), nickel(II), cobalt(II), vanadyl(II), iron(III), uranyl(II) and molybdenyl(II). 375644
Study of seebeck coefficient and electrical conductivity in single crystals of rare earth garnets. 366433
Lal, K.B.
Moessbauer spectroscopic studies of the ternary alloys Fe-Zr-C and Fe-Ni-Zr. 366434
Static and time-dependent solutions of Einstein-Maxwell-Yukawa fields. 350521
Lal, M.
e-H exchange scattering in the generalised Coulomb-projected Ochkur-Born approximation. 348701
Radical inactivation of a biological sulphydryl molecule. 357161
Lal, Mohan
e-H exchange scattering in modified Born approximation. 353362
Lal, N.
Fission track etching and annealing of tourmaline. 352819
Observations of galactic cosmic ray energy spectra between 1 and 9 AU. (N – 77-19986) 361716
Observations of galactic cosmic-ray energy spectra between 1 and 9 AU. 359129
Lal, R.
Human serum albumin microspheres for lung imaging. 373029
Mathematical formulae for partial transition matrix elements in electron-hydrogen scattering by the Faddeev approach. 348702
Lallement
One aspect of the construction of superphenic; the on-site assembly of certain components of the nuclear boiler. 371043
Lallia, P.
Recent results in the lower-hybrid heating of the Wega device. (INIS-mf – 3963) 372085
Lalos, G.T.
Thermodynamic properties of a high pressure subcritical UF_6He gas volume (irradiated by an external source). (N – 77 – 18938) 351873
Laloum, M.
Observation of interference correlations between like pions in the reaction proton antiproton⟶2πsup(+) 2πsup(-)πdeg at low energy. 356382
Lalov, I.J.
Effects of strong anharmonism of optical phonons in spectra of inelastic neutron scattering. 350700
Lalykin, S.P.
Homogeneization of the germanium telluride. 378626
Lam, C.
Acceleration of one ampere negative ion beams to energies up to 120 keV. (BNL – 23391) 377465
Lam, C.K.
Large-capacity cryogenic pumping of D_2 and H_2 for fusion. 358949
Lam, C.S.
Charge-transfer distributions in a neutral-cluster model. 351137
Decays of a heavy lepton and an intermediate weak boson in quantum chromodynamics. 364522
Transverse momentum distribution of partons in QCD. 364521
Lam, K.Y.
Physical and radiobiological properties of the negative pi-meson beam at TRIUMF. 378979
Lam, L.
Reciprocal relations of transport coefficients in simple materials. 350747
Lam, N.Q.
Effects of defect trapping and radiation-induced solute segregation on void swelling. (CONF-770639 – 1) 360115
Solute segregation during irradiation. (CONF-770641 – 8) 362555
Lam, P.M.
Pairing energy of liquid ^{4}He. 353742
Lam, P.S.
Breeding performance of carbide and nitride fuels in 2000 MWe LMFBRs. Part IV: impact of a pressure drop constraint on breeding performance and pin diameter optimization in 5000 MWt LMFBRs using sodium bonded carbide fuels. (ANL-AFP – 31) 363513
Lam, S.H.
Thermionic energy conversion research analysis. Annual progress report, October 1, 1976 – September 31, 1977. (COO – 2533-5) 361755
Lam, S.K.
Assumptions, constraints and methodology of ANL advanced fuels system studies. 379728
Lam, W.C.
Two-photon decays of pionic carbon. 354252
Lamanna, U.T.
Collisional excitation of vibrations in H_2+H,D encounters using rotational averaging. 355876
Lamarsh, J.R.
Introduction to nuclear engineering. 374192
Lamb, C.E.
Determination of fission product and heavy metals inventories in FTE-4 fuel rods by a grind-burn-leach flowsheet. (ORNL/TM – 5756) 351688
Lamb, D.Q.
Bursting X-ray sources: a theoretical framework for accretion models. 369143
Model for bursting X-ray sources: time-dependent accretion by magnetic neutron stars and degenerate dwarfs. 364360
Lamb, F.K.
Accretion by magnetic neutron stars. I. Magnetospheric structure and stability. 359079
Accretion by rotating magnetic neutron stars. I. Flow of matter inside the magnetosphere and its implications for spin-up and spin-down of the star. 372172
Bursting X-ray sources: a theoretical framework for accretion models. 369143
Information about accretion flows from x-ray timing of pulsating sources. (CONF-7510169 –) 364361
Model for bursting X-ray sources: time-dependent accretion by magnetic neutron stars and degenerate dwarfs. 364360
Lamb, J.F.
Method for the winning of the radioisotope $_9F^{18}$ in highly pure form and device to carry out this method. (German (F.R.) patent document 2321552/C/) 370673
Lamb, P.R.
A study of inclusive Ξ^- production from K^-p interactions at 4.2 GeV/c. 353964
Lamb, R.G.
Case study of stratospheric ozone affecting ground-level oxidant concentrations. 360453
Lamb, S.A.
Neutron-capture nucleosynthesis in the helium-burning cores of massive stars. 364362
Lambacher, H.D.
Evidence for a narrow width boson of mass 2.95 GeV. 372519
Lambelin, G.
Structure elucidation of S-oxidized metabolites of 1-(4-isopropylthiophenyl)-2-N, octylaminopropanol (Suloctidil®) by means of deuterium labeling and mass spectrometry. 357651
Lamberger, P.H.
Catalytic detritiation of water. (MLM – 2437(OP)) 366083

Lambert, B.
Observation of quasi-particle distribution in non-equilibrium superconductors. 354226
Lambert, B.E.
Negative pion irradiations of the mouse testis. 352032
Lambert, D.L.
$^{12}C/^{13}C$ ratio in stellar atmospheres. VIII. The very metal-deficient giant HD 122563. 351039
The abundances of the elements in the solar photosphere. 374928
Carbon, nitrogen, and oxygen abundances in 11 G and K giants. 372203
Lambert, H.E.
Quantitative evaluation of nuclear system reliability and safety characteristics. 357769
Lambert, J.
Primary circuit thermal hydraulic analysis of Super Phenix 1 Reactor; sodium and structures temperatures calculations; salt water tests – hot water tests. 371033
Lambert, J.D.B.
Proof tests of irradiated and unirradiated EBR-II subassembly ducts. (CONF-770807 – 44) 368253
Safety related considerations for operation with defected elements in EBR-II. (CONF-761001 – P2) 362923
Lambert, J.M.
Application of the three-body model to the reactions $^{6}Li(^{3}He,t\ ^{3}He)^{3}He$ and $^{6}Li(^{3}He,^{3}He^{3}He)^{3}H$. 351288
Lambert, M.C.
Close-coupled x-ray analysis of mixed oxide fuels. (HEDL-SA – 1271-FP) 380128
Lambert, M.E.
Preliminary results of effect of environment on the low cycle fatigue behaviour of type 316 stainless steel and 9%Cr ferritic steel. 354576, 360004
Lambert, P.H.
Solid-phase enzyme immunoassay or radioimmunoassay for the detection of immune complexes based on their recognition by conglutinin: conglutinin-binding test. 354921
Lambertson, G.
Transport of intense ion beams. 363285
Lambertus, J.
Skeletal and reticuloendothelial imaging in osteopetrosis: case report. 373681
Lambiet-Collier, M.
Intestinal proliferation after multiple fractions of gamma irradiation. 365393
Lambinon, Y.
Training in radiation protection given to personnel of nuclear power plants. 355677
Lambrecht, R.M.
Cyclotron isotopes and radiopharmaceuticals. 357861
Metal isotopes used as radioactive indicators of ocular melanoma. 360383
Lambrev, V.G.
Success in extraction concentrating in analysis of substances. 356957
Lambrid, P.A.
Irradiation injury to the ureter and surgical tolerance. An experimental study. 360254
Lamehi-Rachti, M.
Researches with the tandem and the synchrotron. Chapter 1. (CEA-N – 1959) 354227
Lameijer, W.
Kinetic behaviour of thallium in the rat. 354853
Lamers, H.J.G.L.M.
The near ultraviolet spectrum of Fe III as a classification criterion. 369073
Lamin, A.B.
Effect of radial ultrasonic oscillations on hot and cold rolling of pipes and sheets. (INIS-mf – 3914) 349417
Lammers, B.
Observation of spatial wave echoes at the lower hybrid mode. 353578
Lammertz, H.
Remotely controlled computer-guided preparation facility for X-ray fluorescence measurement samples at a fuel reprocessing plant. 354470
Lamotte, G.
Experimental evidence of the effect of peripheral obstructions on the temperature from factor of a spiral wire bundle. 371016
Lamotte, H.
Simulation of hypothetical core disruptive accidents in vessel models. (CONF-761001 – P3) 365544
Lamoureux, G.
Measurement of the static quadrupole moments of the first 2^{+} states in ^{76}Se, ^{78}Se, ^{80}Se and ^{82}Se. 354229
Lamparter, P.
Interdiffusion studies in liquid bismuth-antimony alloys. 356007
Short range order in binary melts and binary solid solubilities. 374683
Lampe, F.W.
Free-radical chain formation of siloxanes in the radiolysis of monosilane – nitric oxide mixtures. 357132
Lampe, R.
Sequence of operations: TFTR assembly and disassembly. (WFPS-TME – 028) 366537
Lampert, M.A.
Dependence of DC electroluminescence and host-excited photoluminescence on Tb^{3+} concentration in sputtered $ZnS:Tb^{3+}$ films. 353325
Lamphere, J.P.
Peripheral blood changes preceding the development of leukemia in atomic bomb survivors of Hiroshima and Nagasaki. 370380
Lampley, C.M.
Studies on airborne optical detection of uranium ore. (GJBX – 73(77)) 365276
Lampton, M.
Extreme ultraviolet observations of white dwarfs. 369144
OSO-8 X-ray observations of AM Herculis. 359168
OSO-8 x-ray observations of AM Hersoulis. (N – 77-27050) 377656
Lamsa, J.W.
Investigation of π^{+}Ne and π^{-}Ne interactions at 10.5 GeV/c. 372541
Lamy, J.L.
Examples of application and correlation studies for safety rules and standards in nuclear power plants, and related considerations. 352301
Safety practices and standards, developments and incentives for international co-operation. 370623
Lanaro, A.E.
Modified scintigraphic technique for the dynamic study of the esophagus. 373588
Radiation-induced liver damage. 379027
Lancelot, J.
U-Pb ages on single zircons from the Early Precambrian rocks of West Greenland and the Minnesota River Valley. 357486
Lanceri, L.
Reconstruction of the momentum of a particle moving in an axially symmetric magnetic field. 358344
Lancet, R.T.
Safety related design considerations for large fast breeder plants. (CONF-761001 – P1) 362939
Lanchester, P.C.
The critical thermal expansion of gadolinium. 378715
Lanchi, M.
Mechanical behavior of a fuel pin for fast reactors: effect of the fuel form and of the approach-to-power on the change of the fuel stack length under irradiation. 379737
Lancman, H.
Strengths of isospin forbidden E1 transitions in ^{40}Ca and ^{16}O. 366992
Widths of the 7.06 and 7.08 MeV dipole transitions in ^{208}Pb. 364836
Land, C.C.
Phase equilibria, thermodynamics, and crystal structures for the Pu – Pt – Rh system. (LA – 6998) 378707
Land, C.E.
Breast cancer incidence among atomic bomb survivors, Hiroshima and Nagasaki, 1950 – 1969. 362704
Land, D.J.
Comparison of theoretical models for the electronic stopping power of low-velocity heavy ions. 351258
Land, E.J.
Laser flash photolysis of rhodopsin at room temperature. 365344
Landa, V.
Research and development of NbTi superconductor in Czechoslovakia. 367257
Landay, M.
Proceedings of seventh symposium on sharing of computer programs and technology in nuclear medicine, computer assisted data processing. (CONF-770101 –) 373662
Lande, K.
Homestake long range neutrino detector program. (UPR – 0027-E) 377600
Landeck, H.
Two-constant model to describe the self-association of H- and D-bridge formers in binary mixtures from steam pressure measurements. 375608
Landecker, P.B.
Stellar crystal x-ray spectroscopy on OSO-8. (CONF-7510169 –) 364352
X-ray polarization experiment on the OSO-8. (CONF-7510169 –) 364426
Lander, G.H.
Crystal fields in actinide intermetallics: prospects and problems. 378668
Magnetic properties of actinide systems. (CONF-770717 – 4) 362496
Lander, R.L.
Extraction of average multiplicities of high-energy off-mass-shell $\pi\pi$ and $K\pi$ scattering. 359338
High-mass K^{*} production in $K^{+}d$ interactions at 9 GeV/c. 372509
Landesman, A.
Nuclear spin magnetic ordering with four spin exchange in solid bcc ^{3}He. 353743
Landgren, J.J.
Some essentially self-adjoint Dirac type operators. I. 353298
Some essentially self-adjoint Dirac type operators. II. 371404
Landis, J.W.
Role of codes and standards in improving nuclear reliability. 361182
Landman, U.
Cluster motion on surfaces: A stochastic model. 366435
Landoni, J.A.
Containment Atmosphere Response (CAR) program interim summary report. (GA-A – 14262) 352691
Landowne, S.
Estimate of double octupole phonon excitation in the Xe + Pb reaction using the coupled channel WKB approximation. 356817
A semi-classical view of heavy ion collisions. 354082
Landram, C.S.
Coast-down hydraulic characteristics for GETR. (NEDO – 12625)

362968
Development of system hydraulic analytical GETR (SHAG) model used for analyzing incidences of loss of flow. (NEDO – 12628) 362970
Thermal-hydraulic performance of the GETR emergency cooling system: experimental and analytical considerations. (NEDO – 12626) 362969
Landrum, J.H.
New isotope of curium: ^{251}Cm. (BNL-NCS – 22500) 356829
Search for superheavy elements in the bombardment of ^{248}Cm with ^{48}Ca. 351372
Lands, E.L.
Longitudinal multiplane emission tomography (Pho-Con) characteristics, limitations and clinical applications. (INIS-mf – 4010) 358354
Landsberg, G.
Computer systems using microprocessors for extremely rapid scintillation cameras. (INIS-mf – 4010) 358410
Landsberg, L.G.
J/psi particle production in π^--N interactions at 27 and 40 GeV/c. 369364
Landsberg, P.T.
Mathematical cosmology. 366720
Landshoff, P.V.
Approach to scaling in deep inelastic scattering and lepton pair production. 372449
Approach to scaling in deep inelastic scattering and lepton-pair production. 359282
Structure of large psub(T) events. 353974
Landsman, A.P.
Alpha-particle effect on p-silicon and photoelectric parameters of silicon n-p junctions. (KFTI – 74-47) 353394
Radioisotope batteries with silicon base semiconductor converter. 352356
Landspersky, H.
Changes in pore structure of polyuranate gels in various stages of their thermal treatment. Part II. 370096
Landuyt, J. van
Selective radiation damage in the long period ordered Au_4Zn alloy. 349605
Landwehr, G.
Defects in tellurium and selenium. 370177
Landwehr, H.
Fuelling machine for nuclear reactors with coated pellet fuel elements. (German (F.R.) patent document 1589532/C/) 368183
Lane, A.M.
Behaviour of single-particle states and their eigenvalues near zero energy. 359418
Correlations in M1 neutron capture as evidence for a semi-direct mechanism. 361969
Lane, J.A.
Nuclear power in developing countries. 366138
Lane, K.
Decay $\mu \rightarrow e\gamma$ in models with neutral heavy leptons. 372363
Lane, N.F.
Theoretical calculation of cross sections for rotational excitation in e-CO_2 scattering. 358790
Theory of low-energy electron-molecule collisions: a comparison of electron-CO_2 and electron-N_2 elastic and rotational-excitation cross sections. 358789
Lane, R.G.
Dosimetry of pion therapy beams. 352351
Effective energy determination in leakage radiation measurements. 370653
Lane, R.O.
Ohio University tandem Van de Graaff accelerator. Final report. (COO – 1717-9) 379505
Study of structure of light nuclei with neutrons. Progress report, September 1, 1976 – August 31, 1977. (COO – 2490-7) 362080
Lane, R.P.
Reversion to normal leaf type in a radiation-induced mutation of Vitis rotundifolia. 365376
Lane, S.A.
Development of a sodium ionization detector for sodium-to-gas leaks. (CONF-760503 – P2) 352721
Laneeva, N.I.
DNA synthesis in the brain of 13-18 day-old embryos of X-irradiated rats. 376099
Lanford, O.E. III
Time evolution of infinite anharmonic systems. 350522
Lanford, W.A.
Systematics of two-neutron transfer cross sections near closed shells: A sum rule analysis of (p,t) strengths on the lead isotopes. 364799
Lang, A.R.
Giant haloes in mica. 357462
Lang, C.B.
Decays of the rho'(1275) vector-meson nonet. 361885
Lang, D.V.
Review of radiation-induced defects in III-V compounds. 370178
Lang, D.W.
Reactor calculations and nuclear information. (AAEC/E – 426) 374530
Lang, G.
Experimental data acquisition and processing of the dynamic behavior of the pressure vessel test internals under the HDR-blowdown-experiments. (KFK – 2435) 358207
Lang, G.P.
Graphite curtain vacuum outgassing and heat transfer. Final report. (COO – 2802-4) 364195
Lang, H.
Studies on a fibre insulation in the pressure suppression test stand. (Juel – 1405) 365920
Lang, H.N. de
The lattice thermal conductivity of pure metals: Aluminium and Indium, ch. 4. (INIS-mf – 4177) 369984
Lang, J.
Comments on the reported discovery of primordial superheavy elements. 378184
Elastic scattering and neutron transfer reactions with ^{9}Be. 378011
Elastic scattering of ^{9}Be on heavy target nuclei. 372702
Lang, K.
Information on nuclear energy in the Federal Republic of Germany. Establishment of a dialogue between the public and Government authorities. 370586
Lang, N.
Thyroid hormones and TRH-test during pregnancy. (INIS-mf – 4010) 370458
Lang, V.
Translocation of ^{14}C assimilates in Rumex obtusifolius and Polygonum bistorta. 376196
Langacker, P.
Absolute proton stability in unified models of strong, weak and electromagnetic interactions. 371405
Heavy leptons and trimuons in an SU(3) x U(1) model. 351177
Langanke, K.
Study of the back-angle anomaly in elastic α-^{40}Ca scattering. 375110
Langdon, A.B.
Light absorption and scattering mechanisms in laser fusion plasmas. (UCRL – 80153) 377341
Theoretical interpretation of angle- and polarization-dependent laser light absorption measurements. (UCRL – 79628(Rev.1)) 361637
Lange, C.S.
Biological effects of ionizing radiation at the molecular, cellular, and organismal levels. Triannual progress report, July 15, 1974 – October 14, 1977. (TID – 28055) 378968
Lange, D.
Jodine-123 in nuclear-medical diagnostics. 376185
Lange, F.F.
Crystal structure of $YSiO_2N$ and a reappraisal of the "vaterite" type, YBO_3. 360022
Phase relations and stability studies in the $Si_3N_4 – SiO_2 – Y_2O_3$ pseudoternary system. 357365
Lange, G.
The experimental development and performance test of the pneumatic control-rod drive for the THTR. 379587
Lange, J.
Properties of excited states in ^{102}Pd. 372785
Lange, L.
Design requirements for the SNR-300 containment system. (CONF-761001 – P2) 365589
Lange, R.
Particle-in-cell vs straight line Gaussian calculations for an area of complex topography. (UCRL – 79236) 362608
Transnational air quality: the case for the stratosphere. (UCRL – 79428) 367526
Lange, S.
Diagnostic value of computerized tomography for the radiotherapy of cerebral tumors. (AED-Conf – 77-395-006) 370479
Lange, W.J.
Experimental studies of zirconium/aluminum getter pumps. (WFPS-TME – 032) 366583
TFTR vacuum system considerations. (WFPS-TME – 021) 371920
Langeloh, A.
Immunological aspects of ionizing radiations. 354769
Langenberg, D.N.
Experimental determination of the quasiparticle energy distribution in a nonequilibrium superconductor. 351766
Langenbuch, S.
ALMOS-2 – computer program for accident analyses of BWR-type reactor plants. Pt. 1. (MRR-P – 13(T.1)) 365859, 365860
Coarse-mesh flux-expansion method for the analysis of space – time effects in large light water reactor cores. 374205
High-order schemes for neutron kinetics calculations, based on a local polynomial approximation. 374122
Significance of fast moderator feedback effects in a boiling water reactor during severe pressure transients. 374199
The three-dimensional LWR core model QUABOX-HYCA with parallel cooling channel. 370798
Langenickel, J.
Calculation of nonstationary thermodynamical processes in a WWER-440 type PWR nuclear power plant unit. 355399
Langer, B.
Labelling of human fibrinogen with radioactive iodine (^{125}I). 351620
Langer, S.
Relative occupational risks of plutonium and ^{233}U fuels. 379103
Langer, S.H.
Impulsive solar X-ray bursts. III. Polarization, directivity, and spectrum of the reflected and total bremsstrahlung radiation from a beam of electrons directed toward the photosphere. 351040
Langer, W.D.
Observations of DCO^+: the electron abundance in dark clouds. 372179
Langerman, M.A.
Semiscale Mod-1 system response during the ECC baseline test series (design of the Mod-1 baseline ECC test). (TREE-

NUREG – 1058) 352653
Langevin-Joliot, H.
The ^{116}Sn (d,t)^{115}Sn reaction at 23 MeV. 354150
Langevin, Y.
Fission track dating of quartz grains from the Oklo uranium ore deposit. 367361
Thermal annealing of iron tracks in muscovite, labradorite and olivine. 360071
Langford, F.L.
Pre-startup of nuclear power plants test and acceptance from vendor's point of view. 358168
Langford, J.C.
Geochemical ocean sections study (GEOCECS). Chemistry of ocean solutions. (BNWL – 2100(Pt.2)) 362137
Measurements of radon concentrations in the lunar atmosphere. (N – 77-22035) 366673
Rapid chemical separations for thermal neutron activation analysis of niobium and vanadium and application to controlled thermonuclear reactor materials studies. 375230
Langford, R.
A new radiopharmaceutical for positive myocardial infarct imaging. (INIS-mf – 4010) 362811
Langguth, K.G.
Production of superconducting vanadium carbide by ion implantation. (KFK – 2476) 349049
Langhaar, J.W.
Design of containers for shipping unirradiated LMFBR assemblies. 360690
Langhammer, H.
Radioimmunological determination of testosterone levels and binding capacity for testosterone in serum of patients with carcinoma of the prostate. (INIS-mf – 4010) 370495
Langhans, L.
Measurement of free – free processes in e^- – Ar scattering. 353178
Langland, R.T.
Nuclear regulatory commission structural technology programs for shipping containers. 360689
Langley, R.
Gamma radiography. 352431
Langley, R.A.
Tokamak first-wall coating program development. (SAND – 77-1027) 377384
Langmead, W.A.
The applications of the 'ten-day rule' in radiopharmaceutical investigations. 360489
Where should a film badge by worn. 360511
Langner, D.G.
Applications of the absorption-edge densitometry NDA technique to solutions and solids. (LA-UR – 77-1416) 358587
Measurement of special nuclear material concentrations in solution by absorption edge densitometry. (LA-UR – 77-2235) 363733
Langner, G.H. Jr.
Comparison of costs of integrating working level devices. (HASL – 325) 378932
Comparison of errors of integrating working level devices. (HASL – 325) 378933
Langone, J.J.
^{125}I Protein A: applications to the quantitative determination of fluid phase and cell-bound IgG. 367702
Langsdorf, A.
Pellet fusion by high energy heavy ions. 363176
Langstaff, R.R.
The TRIUMF thermal neutron facility as planned for operation by 1978. (TRI – 77-1) 360710
Langston, M.E.
Quality assurance standards and practices. 368022
Lanier, R.G.
Coexistence of three nuclear shapes in ^{151}Eu. 359527
Gamma rays from thermal neutron capture in ^{136}Xe. 364817
Lanin, E.V.
Data acquisition and processing in high-resolution mass spectrometry using ion counting. 355681
Lanin, V.P.
Anion-exchange affinage of plutonium and neptunium during extraction reprocessing of WWER spent fuel elements. 359839
Lankford, A.J.
The cross section for the production of massive electron pairs and the UPSILON(9.5 GeV) in proton-proton collisions at the CERN ISR. 369367
Study of photons produced simultaneously with the J/psi particles at the CERN Intersecting Storage Rings. 377794
Lannefors, H.
Particle-induced X-ray emission: a useful analytical method. 369550
Lanning, D.D.
Instruction related to reactor safety as offered by the MIT Nuclear Engineering Department. 379270
Method for determining the uncertainty of gap conductance deduced from measured fuel centerline temperatures. (BNWL – 2091) 374201
Renovation of the MIT research reactor. 358313
Verification of fuel thermocouple readings during IFA-431 irradiation. (BNWL-SA – 6176) 358194
Lanning, H.H.
BD – 3°5357: an eclipsing binary with a hot subdwarf component. 356221
Lannoye, P.
The nuclear safety. 380141
Lanou, R.E. Jr.
Progress report of a research program in experimental high energy physics, September 1, 1976 – December 31, 1977. (COO – 3130TB-236) 377828
Lanphere, M.A.
Reply to comment by E.K. Jessberger. 378866
Lanteri, H.
Transport equation treatment of transmitted electrons through thin films of aluminium. 350773
Lantonowicz, M.
Investigation of phase transformations in $/Cd(NH_3)_6/(BF_4)_2$ and $/Cd(NH_3)_6/(SO_3F)_2$ complexes. 377266
Lantos, M.F.
The Mark II Nancay radioheliograph. 372129
Lantos, P.
The Mark II Nancay radioheliograph. 372129
Lantratova, N.Y.
Improvements in or relating to power plant coolant. (UK patent document 1489171/A/) 365815
Lantschner, G.
Interference effects in ion-electron emission induced by molecular ions. (INIS-mf – 3996) 363952
Lantsov, M.N.
Reactivity excess evaluation using an empirical criticality equation. 376414
Lantz, L.L.
Design report and safety evaluation for high density fuel storage system. Licensing topical report. (NEDO – 24076) 379632
Lantzke, U.
World energy supply and demand and the future of nuclear power. 366231
Lanzerotti, L.J.
Comparison of ULF and VLF measurements of magnetospheric cold plasma densities. 370313
Hydromagnetic wave observations at large longitudinal separations. 360215
The Low-Energy Charged Particle (LECP) experiment on the Voyager Spacecraft. 374927
Lanzl, L.H.
Training programs in medical physics in the United States. (CONF-771083 – 1) 373882
Lao, L.
POICOU: a point plasma code including profile effects for tokamak power reactors. (UWFDM – 216) 361578
Lapadat, J.T.
Advantages of butterfly valves for power plants. 363477
Laperashvili, L.V.
Dual amplitudes of baryonium interaction. 369306
Lapersonne-Meyer, C.
Primary trapping and solvated electron yields. 357157
Lapicki, G.
Projectile charge-state dependence of K-shell ionization by silicon ions: A comparison of Coulomb ionization theories for direct ionization and electron capture with x-ray production data. 363906
Lapides, M.E.
Developing methods for establishing improved plant reliability. 371252
Lapidot, M.
Pasteurization of poultry feed by γ ionizing radiation. (IA – 1338) 365481
Sterilization of surgical sutures by gamma radiation. (IA – 1338) 365493
Lapidus, A.L.
Catalytic hydrocondensation of carbon oxide with olefins and their hydropolymerization under carbon oxide and hydrogen action. 375502
Lapidus, L.I.
Three-reggeon phenomenology in the $p+p \rightarrow p+X$ reaction. 356435
Lapikas, L.
On the radial distribution of the 1fsub(7/2) proton orbit. 362113
Transverse electron scattering from ^{39}K. (INIS-mf – 3946) 349139
Lapin, N.I.
Study on isotopic effect in charged pion photoproduction on nuclei. 349093
Lapina, N.I.
Glass-phase crystallization effect on ceramics welding to metals. 369867
Lapitskaya, A.V.
Complexing in aqueous solutions of rare earth n-aminobenzoates. 351485
Constants of unstability and solubility product of rare earth methylmalonates of cerium subgroup. 351542
Investigation into rare earth n-aminobenzoates by thermography and IR spectroscopy. 369619
n-aminobenzoates of rare earths. 351484
Laporte, T.
Space disposal of nuclear wastes. Volume 1: socio-political aspects. (N – 77-24924) 366101
Space disposal of nuclear wastes: socio-political aspects. Volume 2. (N – 77-23914) 363672
Lapp, R.E.
Radioactive waste: society's problem child. 366102
Lapshin, V.G.
Relative yields of 25 GeV/c K^--mesons, antiprotons, and antideuterons during interaction of 70 GeV protons with nuclei. 369350
Lapshin, V.I.
Diffusion of alkali metals and self-diffusion in $LiNbO_3$ monocrystals. 364969
Influence of SrF_2 and ZrO_2 additives on kinetics of $SrTiO_3$

sintering. 370097
On the theory of magnetohydrodynamic wave damping in a plasma of finite pressure. 364218
To the theory of damping of magneto hydrodynamic waves in a high-temperature plasma. 368909
To the theory of heating of collisional plasma by means of magnetic pumping by axial-asymmetric variable fields. 348935
Laptev, D.M.
Roentgenographic investigation of $EuCl_3x2EuCl_2$. 362154
X-ray study of $EuCl_3x4EuCl_2$. 375406
Lapthorn, J.C.
Hot spots in active packed beds. 365908
Laptin, L.P.
Elastic backscattering of pions minus on protons at 25 and 38 GeV/c. 369349
Laptinskaya, T.V.
Nonlinear-susceptibility dispersion of lithium iodate crystal. 361411
Lapujoulade, J.
The characterization of randomly stepped surface of copper by helium backscattering. 368829
The Debye-Waller factor in the elastic backscattering of an helium beam from the (111), (100) and (110) faces of copper. 368733
Diffraction intensities in helium scattering; topographic curves. 361446
The diffraction of helium from an ordered stepped surface: Cu(117). 356008
Helium backscattering from a randomly stepped surface. 358771
Lapushkin, S.V.
Characteristics of protons emitted into the backward hemisphere in pion-nucleus interactions. 369375
Lara, S.
On the origin of the exchange interaction in EuO and EuS. 358887
Larach, S.
Flux-synthesis and luminescence of compounds of the $Y_2O_3 - Ta_2O_5$ system. 357366
Larbalestier, D.C.
Mechanical properties and the critical current in filamentary Nb_3Sn. 359949
Larchev, V.I.
High pressure polymorphs of niobium dichalcogenides. 375929
Polymorphism of NbX_2 at high pressures and temperatures. 359642
Synthesis of La_3Sn cubic phase at high pressures and temperatures. 374743
Larew, R.E.
Delays in nuclear power plant construction. Progress report, September 15, 1976 – September 14, 1977. (COO/4121 – 1) 365849
Lari, C.
The Bologna survey of radio sources at 408 MHz. 366695
Lariccia, P.
An upper limit for the radiative decay width of the J/psi resonance into eta'(958)+γ. 369353
Laricher, M.N.
Mass-spectrometric investigation of very fast reactions of fluorine atoms with radicals. 377126
Larik, A.S.
Radiation-induced chromosome breakages in bread wheat (Triticum aestivum L.). 373508
Larikov, L.N.
Acoustic emission in tungsten and copper affected by a single pulsed electric discharge. 359929
Deformation dependence of polygonization and recrystallization in rolled molybdenum single crystal. 369985
Laser radiation effect on the mobility of iron atoms. 359934
Neutron irradiation effect on the primary recrystallization of deformed aluminium monocrystals. (KFTI – 75-35) 354616
Study of lithium diffusion by dislocations in Mo, W and their alloys. 354526
Larin, M.P.
Ultrahigh vacuum facility with the helium cryocondensation pump. (KFTI – 75-10) 352387
Larin, N.V.
Mass-spectrometric investigation of tellurium hydride. 351481
Larina, K.P.
Study of mechanism of ion exchange on amorphous hafnium phosphate by infrared spectroscopy. 349212
Larionkina, L.S.
Specific features of a long-term relaxation of nonequilibrium conduction in $CdIn_2Se_3$ monocrystals. 368736
Larionov, B.A.
Development and study on a model of a liner for a pulsed theta pinch reactor. (INIS-mf – 3954) 361492
Pulse power supplies based on induction storages. (INIS-mf – 3954) 361545
Larionov, I.D.
Some problems of disperse medium use in heat exchangers. (INIS-mf – 3952) 367912
Larionov, M.G.
Spectrum of galactic radiowave radiation in the frequency range from 820 MHz to 15 GHz. 369145
Larionov, M.M.
Fast ion production in a tokamak plasma in the lower hybrid heating experiments. (INIS-mf – 3963) 371867
Larionov, V.V.
Nuclear geophysics and radiometric surveying. 357480
Larionova, L.A.
Neutron activation determination of gold in rocks, ores, and minerals using extraction with organic sulfides. 375981
Larionova, V.G.
Comparison of experimental distributions of rapidity intervals in inelastic π^-p interactions at 60 GeV with the multiperipheral cluster model. 369341
A study of inelastic pion-nucleus interactions at 200 GeV/c in an emulsion. 356481
LaRiviere, J.R.
Development of National Waste Terminal Storage Program waste packaging criteria. 361124
Preliminary canister size criteria for commercial solidified high-level waste. (ARH-ST – 151) 352877
Larkin, A.I.
Particle mass in a one-dimensional model with four-fermion interaction. 376950
Larkin, D.K.
Experimental definition of ultrasonic speed in a heavy water in a wide range of pressures and temperatures. 378780
Larkin, M.J.
Experimental facilities for the development of the United Kingdom high-level liquid solidification process. 358507
Larkina, V.N.
Spectral-time analysis of modulation of poured out electrons and VLF-radiation on data obtained by the Interkosmos-5 satellite. 376046
Larkins, F.P.
Interpretation of Auger-electron spectra. 377064
Laros, J.G.
Intensity and spectral variations of Cyg X-1 observed from balloons. (CONF-7510169 –) 364375
LaRosa, G.
Coherent production in the dp interaction. (CNEN-LNF – 75-56(R)) 364647
LaRosa, J.
Search for the production of particle-stable neutral nuclei at multi GeV energies. 369513
Larrick, A.P.
Waste management implications of irradiated nuclear fuel storage. 368400
Larrimore, J.A.
Gas-cooled breeder safety. 379271
Safety considerations in the design of gas-cooled fast breeder reactors. (CONF-761001 – P1) 362881
Larsen, A.N.
Radiation damage studies on implanted Te, Sb, and Sn in semiconductors by means of Moessbauer spectroscopy. 370243
Larsen, D.M.
Motional stark effect in high magnetic fields: A new technique for sub-Doppler spectroscopy. 366364
Larsen, E.W.
Neutron transport in plane geometry with general anisotropic, energy-dependent scattering. 351246
Larsen, G.N.
Neutron tomography investigations at the Missouri University Research Reactor. 358322
Larsen, H.
High-conversion HTRs and their fuel cycle. 379677
Larsen, J.T.
Computer simulation of recent laser driven implosions of glass microshells. (UCRL – 78488) 356164
Simulations of intermediate density laser fusion targets: recent progress in design and analysis. (UCRL – 80005) 374842
Sub-keV, subnanosecond measurements of x-ray spectra from laser-produced plasmas. (UCRL – 79782) 377458
Use of x-ray imaging on laser fusion experiments. (UCRL – 79817) 366506
Larsen, K.H.
Techniques for measuring regional and total-body bone mineral mass to bone function ratios. 354955
Larsen, L.
Structure in electron-loss cross sections for fast light atoms in xenon. 358804
Larsen, M.F.
Study of an observed and forecasted meteorological index and its relation to the interplanetary magnetic field. 360200
Larsen, R.C.
Determination of the neutron-proton ratio in primary cosmic rays. 350974
Larsen, R.R.
K^0 production in e^+e^- annihilation. 353983
Spin analysis of charmed mesons produced in e^+e^- annihilation. 351228
Larsen, R.S.
"FASTBUS": status of development of a standard high speed data acquisition bus for high energy physics. (SLAC-PUB – 2037) 379987
Larson, B.C.
D-T fusion neutron and Ni ion damage in Type 316 stainless steel. 360113
Defect clusters and annealing in self-ion-irradiated nickel. 367338
Larson, C.
Acoustic emission testing of cracks. 370785
Larson, D.
Electroproduction of phi mesons. 359337
Larson, D.W.
Computational and experimental methods for enclosed natural convection. (SAND – 77-0645) 379531
Estimates of relative areas for the disposal in bedded salt of LWR wastes from alternative fuel cycles. (SAND – 77-1816) 380054
Problems of heat transfer within the containing vessel of high performance LMFBR spent fuel shipping casks. 350029
Larson, G.F.
Investigations of several interference effects in high frequency

plasmas of analytical importance. (IS-T – 741) 378140
Larson, H.
Spectral development of Nova Cygni 1975. 351086
Larson, H.J.
Waste management: a definition of the problem. 363639
Larson, J.D.
Resolving beam transport problems in electrostatic accelerators. (CONF-770527 – 1) 363286
Thoughts of accelerator tubes. (CONF-770948 – 1) 365749
Larson, J.M.
Scintillation spectrometer system for measuring fast-neutron spectra in beam geometry. (ANL – 77-58) 363541
Larson, J.V.
Lunar surface gravimeter experiment. Final report. (N – 77 – 18981) 351016
Larson, R.A.
Electronics system for the 150 kV negative ion test stand at BNL. (BNL – 23390) 374069
Larson, W.C.
Nomograph for in-situ uranium leaching. 378560
Larsson, A.
Management of radioactive waste and plutonium in the Swedish perspective. 368372
Larsson, I.
Coastal gneiss in Blekinge, geology and hydrogeology. (KBS-TR – 25) 363673
Image distortion in scintillation camera at high photon fluence rates. (INIS-mf – 4010) 363591
Larsson, K.
An energy model for overall optimization of a nuclear based district heating system. 376797
Larsson, L.
Supralinearity in nuclear research emulsions. 360104
Larsson, S.
Correlation effects to the expectation values of atomic systems. 363873
Detection of atherosclerotic plaques in carotid arteries by the use of ^{123}I-fibrinogen. 370404
Electronic structure calculation of $[Fe(CN)_6]^{-3}$ by the SCF-MSXα method. (PUC-TN – 26/76) 350733
Shake-up satellites in X-ray photoelectron (ESCA) spectra of 5f^{0}Th(IV) compounds. 356929
Larsson, S.E.
The particle-cluster vibration and the particle-asymmetric rotor description of ^{193}Au. (ZfK – 336) 364830
The potential energy surfaces and the nuclear deformations of odd-mass Tl, Au, Ir and Re isotones. (ZfK – 336) 364833
Spherical and deformed descriptions of the $9/2_1^-$ level. (ZfK – 336) 364763
Larsson, Y.
Reactor waste heat utilization and district heating reactors. 366135
Larys, L.
Investigation of phase transformations in $/Cd(NH_3)_6/(BF_4)_2$ and $/Cd(NH_3)_6/(SO_3F)_2$ complexes. 377266
Las, W.C.
Application of the continuous model to the study of the mechanism of TL induction by UV in natural CaF_2. 350748
Proposed mechanism of thermoluminescence induced by UV light in the natural CaF_2. (IEA-DT – 025) 364058
Lasa, J.
The influence of radioactive source and the method of response measurement on the parameters of the electron capture detector. 373953
Lasalle, J.
Measurement of the electron temperature profiles by Thomson scattering using a single laser shot: application to T.F.R. Tokamak. 353576
Lasalle, M.
Analyticity properties and many-particle structure in general quantum field theory. Pt. 3. 353046
Lasarev, B.G.
The ultimate critical magnetic field of tin. (KFTI – 75-33) 353735
Lasch, M.
In-situ decontamination of parts of the primary circuit in Gundremmingen nuclear power plant. 370645
Laseeva, G.S.
Spectroscopic determination of isotopic composition of nitrogen when N^{15} concentration is lower than natural content. 375303
Laser, M.
Applicability of electrostatic precipitators in reprocessing plants and their limits. 359842
Cryogenic separation of krypton and xenon from dissolver off-gas. 358471
FIPS – A process for the solidification of fission product solutions using a drum drier. 358484
Incineration of low-activity materials according to the Juelich combustion process. 371192
Lash, R.P.
Preparation of working calibration and test materials: uranyl nitrate solution. (PB – 267327) 356987
Lash, T.
Disposal of nuclear wastes. 374435
Lashinsky, H.
Investigation of universal plasma instabilities. Final report. (ORO – 31) 361579
Lashkarev, G.V.
Some specific features of a band spectrum of Pbsub(0,82)Snsub(0,18)Te narrow-gaped solid solution. 374744
Lashko, N.F.
Analysis of intermetallic inclusions in defective castings of the Mg-Zn-Zr alloy system. 351783
Lashneva, V.V.
Solid electrolytes on the base of rare earth oxides. (INIS-mf – 4189) 375449
Lashuk, A.I.
Spectra and cross-sections of gamma ray production in inelastic interaction of neutrons with C, O, Al, Ti, Fe, Ni, Pb and Bi nuclei. (FEI – 584) 364772
Lashuk, N.A.
High-power pulsed thyratron performance and TGI1-2500/50 characteristics in the nanosecond range. 376741
High-stability plane top shaping in a excitation current pulse of the "SIRIUS" synchrotron electromagnet. 370753
Lasino, G.J.
Probabilistic ideas in field theory and statistical mechanics. 355789
Lasinski, B.F.
Light absorption and scattering mechanisms in laser fusion plasmas. (UCRL – 80153) 377341
Lasinski, T.A.
A simple description of the $J^{sup}(P) = 1^+ K^- \pi^+ \pi^-$ system in the reactions $K^- p \rightarrow K^- \pi^+ \pi^- p$. 353779
Study of Kπ scattering using the reactions $K^+ p \rightarrow K^+ \pi^+ n$ at 13 GeV. (SLAC-PUB – 1886) 377799
Laskaris, V.K.
Device for air sampling on filters. (Soviet patent document 498581/A/) 376265
Lasker, B.M.
Supernova remnants in the large magellanic cloud. A photographic study in [O III] and [S II]. 372204
Lasker, L.
Dynamic response of a multielement HTGR core. (BNL – 23197) 363000
OSCIL and OSCVERT: computer codes to evaluate the non-linear seismic response of an HTGR core. (BNL-NUREG – 22650) 357794
Laskey, R.A.
Enhanced autoradiographic detection of ^{32}P and ^{125}I using intensifying screens and hypersensitized film. 355546
Laskorin, B.N.
Effect of structure on extraction ability of phosphoric acid amides. 378474
Intramolecular hydrogen bonding as a model for describing donor-acceptor interactions. 359643
Inversion of transuranium element reactivity in extraction equilibria. 375635
Non-filtration method of processing uranium ores. 365105
Recovery of uranium from natural waters. 365106
Lasky, J.B.
Thermoluminescent response of LiF (TLD-100) to 5-30 keV electrons and the effect of annealing in various atmospheres. 350312
Thermoluminescent response of LiF (TLD-100) to 70 eV-30 keV electrons. 363575
Laslett, L.J.
Evolution of the amplitude distribution function for a beam subjected to stochastic cooling. (LBL – 6459) 363287
Transport of intense ion beams. 363285
Lason', L.
Magnetic moments of Tb and Ho compound states. (INIS-mf – 3897) 356681
Neutron resonance spins of ^{159}Tb from experiments with polarized neutrons and polarized nuclei. (INIS-mf – 3897) 354132
Spin dependence of the total neutron cross section of ^{169}Tm and ^{141}Pr in the neutron energy range up to 100 keV. (JINR-R – 3-10835) 377954
Lasota, J.P.
Magnetic alignment of rotating black holes and accretion discs. 353690
Lass, J.L.
Fuel element for nuclear reactors. (German (F.R.) patent document 1589803/C/) 350157
Fuel rod bundles for nuclear reactors. (German (F.R.) patent document 1589867/C/) 352488
Spacer for fuel elements of a fuel rod bundle for nuclear reactors. (German (F.R.) patent document 1564023/B/) 355294
Spacers designed for a multi-rod fuel element of a nuclear reactor. (German (F.R.) patent document 1764396/B/) 355293
Lassaut, M.
Nucleon-alpha potentials. 354083
Lassen, K.
Development of auroral and geomagnetic substorm activity after a southward turning of the interplanetary magnetic field following several hours of magnetic calm. 370300
Lassen, L.
Angular correlations from ^{6}Li break-up near the Coulomb barrier of ^{118}Sn and ^{208}Pb. 354259
Lassen, N.
Lung density: clinical method for quantitation of pulmonary congestion and edema. 357687
Lassen, N.A.
Low cerebral blood flow in hypotensive perinatal distress. 357645
Lassier-Govers, B.
Complement to 'rotational diffusion and reorientations in molecular crystals'. 363969
Lassmann, K.
The light-water-reactor version of the URANUS integral fuel-rod code. 355695, 368042
Statistical accident analysis using the URANUS code. 370837
The transient version of URANUS computer code. 358606

Lassner, E.
Application of modern instrumental methods to the trace analysis in refractory metals. 378148
Lassus St-Genies, C.-H. de
Cross sections of nuclear reactions induced by protons, deuterons, and alpha particles. IV – Aluminium. (CEA-N – 1466(pt.4)) 359532
Last, G.V.
Evaluation of scintillation probe profiles from 200 area crib monitoring wells. Volume I. (ARH-ST – 156(Vol.1)) 366090, 366092
Evlaluation of scintillation probe profiles from 200 area crib monitoring wells. Volume II. (ARH-ST – 156(Vol.2)) 366091
Lastivka, V.I.
Temperature dependences for electric properties of the (PbSe)sub(1-x)(SnTe)sub(x) solid solutions. 349300
Laszewski, R.M.
Direct and resonance photoneutron reactions of ^{17}O. (BNL-NCS – 22500) 356818, 378028
Distribution of M1 strength in ^{208}Pb. (ANL – 77-60) 378029
High resolution study of the $^{208}Pb(\gamma,n/sub\ o/)^{207}Pb$ reaction. (BNL-NCS – 22500) 356786
Table of differential polarization coefficients for (gamma,particle) reactions. 351294
Laszkiewicz, J.
Nuclear energetics and reactor engineering. 355396
Laszloffy, L.
Experimental superconducting d.c. and a.c. cables. 360633
Latal, H.G.
Classical motion of an electron in standing laser fields. 366279
Latham, D.W.
Sundesert reliability engineering. 379650
Latham, T.S.
Parametric analyses of planned flowing uranium hexafluoride critical experiments. (CONF-760646 –) 374134
Plasma core reactor applications. (CONF-760646 –) 374123
Lathrop, J.
Neutrino stability – inverse square test. 353985
Latimer, C.J.
Ionization of xenon atoms in high Rydberg states by collision with molecules. 350612
Latimer, T.W.
Advanced carbide fuels: U.S. experience. (LA-UR – 77-1353) 352720
Compatibility of helium- and soidum-bonded hyperstoichimetric (U,Pu)C with advanced cladding alloys. (LA-UR – 77-1377) 352766
Latour, M.
Spectral analysis of polymer electrets. (INIS-mf – 4127) 364059
Thermostimulated currents from poly (chlorotrifluorethylene) electrets. (INIS-mf – 4127) 364078
Lats'ko, E.M.
Torsatron divertor and it's effect on impurities transport and accumulation. (INIS-mf – 3954) 361497
Latta, B.M.
Multiple scattering of 55 keV ^{29}P ions in silicon. (INIS-mf – 3996) 364060
Theoretical projected range estimates for low energy projectiles. (INIS-mf – 3996) 364061
Lattimer, J.M.
Are supernovae sources of presolar grains. 364319
Black hole: neutron star binary systems. 351041
Lattin, K.R.
Method of determining whether radioactive contaiminants are inside or outside a structure. (US patent document 4,031,387/A/) 372892
Lattuada, M.
Competition between ^{5}Li and ^{8}Be formation in the $^{6}Li(^{3}He, \alpha\alpha p)$ reaction at Esub(^{3}He) = 2.5 MeV. 364736
Latunin, V.I.
Experimental investigation into the maxima of water thermal conductivity in critical region. 349980
Latushkin, S.T.
Light circuit for data transmission in accelerator component control. 357973
Stabilized current sources on the basis of commercial thyristor converters. 358418
Thyristor modulator for an arc ion source of a cyclotron. 376377
Latuszynski, A.
Investigation of atom thermoionization in an ion source. 374627
A method for obtaining separated short-lived isotopes of rare earth elements. 354228
Latyaeva, V.N.
Reactions between dicyclopentadienyl vanadium and RHgCl. 351552
Latypov, Z.Z.
Ionization of He and Ne atoms by Li^{+} ions near threshold energies. (INIS-mf – 3915) 348703
Method of measurement of total cross section ionization in small-energy ion-atom collisions. (INIS-mf – 3915) 350334
Proton charge exchange on atoms of rare gases at the 80-1000 eV collision energy. (INIS-mf – 3915) 348735
Latyshev, V.K.
Absorption scattering method for the determination of the depth of honeycomb bubbles in a continuously cast ingot of rimming steel. 363091
Selection of conditions for the inspection of cavities in products by ionizing radiation beam scanning. 349955
Latyshev, V.V.
Hydrogen permeability of steels and alloys for vacuum chambers of thermonuclear facilities. (INIS-mf – 3954) 362407
Installation for measurement of parameters of hydrogen isotope penetration through metallic membranes. 375272
Latysheva, L.A.
Tris(2-thienyl)phosphine complexes of group VIB (Cr, Mo, W) metal carbonyls. 354344
Latysheva, V.A.
Density and velocity of ultrasonic propagation in aqueous solutions contaning zinc and cadmium acidocomplexes. 351465
Investigation into heat capacity of aqueous solutions of perchlorates of the periodic system group 2 elements. 349251
Latzel, G.
Matching of heavy ion sources to tandem accelerators. 357977
Latzko, D.G.H.
Fracture safety of reactor vessels in the presence of nozzle corner cracks: Netherlands research programs. (IAEA – 189) 360813
Some comments on the variations of crack growth along the crack front at nozzle corners. (IAEA – 189) 360812
Lau, A.M.F.
Single and multiphoton transitions during atomic and molecular collision in laser fields. 353299
Lau, K.H.
Chemical hysteresis in phase reactions in fluorite-related systems: the reactions $PrO_{1\ 714}(i) + 0.032O_2$ in equilibrium $PrO_{1\ 778}(xi)$ and $TbO_{1\ 714}(i)$ in equilibrium $TbO_{1\ 500}$ (phi) + $0.107O_2$. 357375
Laubacher, D.B.
Application of protons to computer tomography. (LA-UR – 77-2385) 373567
Laubert, R.
Carbon accumulation on target surfaces irradiated by protons. 363317
High resolution studies of extensive Ne L-shell excitation by energetic heavy ion impact. 358849
Studies of neon L-shell excitation by impact of highly ionized heavy ions. 358824
Laubert, Roman
Measurement of the screening of swift charged particles in solids through cluster Coulomb explosion. 358772
Laubitz, M.J.
Supposed failure of the Boltzmann equation in Nb. 351773
Laublin, G.
Pre-therapeutic radiobiological experiments performed at Cyclone with d(50)-Be neutrons. Comparison of RBE/absorbed dose relationships obtained for several biological criteria. 379047
Laucagne, J.J.
Velocity dependence of the Penning and associative ionization cross sections of H atoms by $He(2^3S)$ and $He(2^1S)$ atoms. 353238
Lauck, R.
Preparation and investigation of stoichiometric TiN and ZrN monocrystals. 366443
Lauckner, R.
Non linear fields in the SPS and their compensation. 363196
Laudan, R.
Experimental confirmation of the 1100 MeV structure and first observation of the leptonic decay of the rho' (1250). (DESY – 77/59) 356491
Measurement of the photoproduction phases of the rho, ω, and phi mesons. (DESY – 77/56) 353934
Measurement of the real part of the virtual compton amplitude and of the invariant mass yield of the photoproduced $e^{+}e^{-}$ pairs in the mass range $1,500 < m < 2,000$ MeV. (DESY – 77/60) 356492
Laude, F.
Confinement of radioactivity in glass. 358490
Laue, H.J.
Experience with education and training on the job. 352568
Successful transfer of nuclear technology through scientific and technological co-operation. 371325
Lauer, A.
Design of a concept for the control of power distribution and of xenon oscillations for HTR-K 3000 and PNP 3000 reactors. (Juel – 1446) 365836
Recent findings on measurement and control of the power distribution in large pebble-bed reactors. 370856
Lauer, E.
Stable propagation of a high-current electron beam: experimental observations and computational modeling. (UCID – 17516) 366507
Laufer, B.
SAS-3 observations of an x-ray flare from Cygnus X-1. (CONF-7510169 –) 364292
Laughlin, J.S.
Distribution of oxygen-15 in the dog at the steady-state. 352074
Estimation of skeletal calcium in humans by exhaled ^{37}Ar measurement-evaluation of the fast neutron dose requirement. 352154
Laughlin, W.
A negative ion sputter source for operation in a Van de Graaff terminal. 367955
Laughton, A.S.
Options for the disposal of high-level radioactive waste. 368404
Laugier, J.P.
General features of anti pp interactions at 32 GeV/c. 353973
Inclusive production of charged pions in $K^{-}p$ interactions at 32 GeV/c. 353960
Laukhin, Ya.N.
Controllable forming of a compact toroidal structure with an impulse field barrier. (DOE-tr – 3) 369009
Laul, J.C.
Multielement analysis by sequential instrumental and radiochemical neutron activation. 372893

Laumer, W.
On the thermodynamics in the system iron-tungsten-carbon. (KFK-EXT – 6/77-1) 351768
Laupert, R.
To the reaction of silyl radicals. The ratio of disproportionation/recombination. 359683
Lauppe, W.D.
The β-decay of ^{100}Y: discovery of a very low lying 0$^+$ state in ^{100}Zr. 354219
Studies of ^{132}Sn and ^{133}Sb. (ZfK – 336) 364823
Laurent, H.
Deeply bound hole states and isobaric analog states in ^{89}Zr. 354191
Neutron-hole strengths and isobaric analog states in ^{93}Zr. 354190
Spectroscopic study of ^{55}Co via the ^{54}Fe(tau,d)^{55}Co and ^{54}Fe(tau,dp(tilde))^{54}Fe reactions. 354186
Laurent, J.
General features of anti pp interactions at 32 GeV/c. 353973
Laurent, J.-M.
Pressure measurements for the ISR at CERN. 370755
Laurer, E.
Nuclear power plant. (German (F.R.) patent document 2518526/A/) 355405, 355406, 355407
Laurer, G.R.
Radiation detector with array of different scintillators. (US patent document 4,037,105/A/) 363576
Laurich, K.
Device for ultrasonic material testing of bolts having an axial through hole, preferably stud bolts of nuclear reactor pressure vessels. (German Dem. Rep. patent document 118329/A/) 365779
Lauritzen, T.
Simulation of high fluence swelling behavior in technological materials. (HEDL-SA – 1163) 378799
Lauro, J.F.
Two-phase performance characteristics of a PWR primary pump under LOCA conditions. 376512
Lauro, M.
Design and safety criteria of the alpha-gamma hot laboratory of CNEN, Italy. 360656
Laurs, E.P.
Study of ESR spectra in thin polysiloxane films prepared from gas phase in plasma of glow discharge. 375719
Lausch, J.
On the distribution of trace elements in human skeletons. 369529
Lautard, J.J.
Finite element depletion diffusion calculation method with space-dependent cross sections. 374118
Lauter, H.J.
Measurement of the velocity of fourth sound in helium II under pressure. 351115
Lauterbach, C.
Evidence for negative deflection angles in ^{40}Ar + Ag deep-inelastic reactions from γ-ray circular polarization measurements. 367010
Lautrup, B.E.
On the light-by-light contribution to the sixth-order muon anomaly. (NBI-HE – 77-32) 361289, 372450
Lautzenheiser, C.E.
Ultrasonic variables affecting inspection. 365784
Lavada, N.F.
Temperature dependence of diethyldithiocarbamate on its radioprotective effect. 349751
Laval, G.
The random phase and resonant broadening approximation in weakly turbulent plasmas. 359000
LaValle, D.E.
Determination of defective particle fraction in high-temperature gas-cooled reactor fuels. 363471
Lavallee, C.
Kinetic and equilibrium parameters for the reaction of neptunium(III) with tris(ethylenediamine)ruthenium(III). 365026
Lavallee, D.K.
Kinetic and equilibrium parameters for the reaction of neptunium(III) with tris(ethylenediamine)ruthenium(III). 365026
Lavaud, M.
Rigorous estimates of general Mayer graphs and applications. II. 353106
Laven, H.
A study of direct and indirect pion production in π^+p interactions at 16 GeV/c. 377804
Study of the reactions $\pi^+p \rightarrow \pi^0\Delta^{++}$(1236), eta Δ^{++} (1236) and eta'Δ^{++} (1236) at 16 GeV/c. 372526
Study of the reactions $K^-p \rightarrow K^+K^-\Lambda$ and Kp→panti pΛ, at 10 and 16 GeV/c. 353978
Lavenda, B.H.
Path integral formulation of nonequilibrium statistical mechanics. 361290
Lavender, J.P.
^{111}In labelled autologous leukocytes in man. (INIS-mf – 4010) 367632
Indium-111-labeled autologous leukocytes in man. 373694
Kinetics of indium-111 labelled lymphocytes in normal subjects and patients with Hodgkin's disease. 349786
A technique for measuring the accumulation of ^{99}Tcsup(m) stannous-ethane-1-hydroxy-1, 1-diphosphonate in the canine tibia. 365437
Lavergnat, J.
ARAKS – controlled or puzzling experiment. 376041
Non linear sounding of the ionospheric plasma. 373462
Lavergne, J.Cl.
CAS medium-size nuclear plants. 371072
Laverick, C.
Superconducting magnet development for tokamaks and mirrors: a technical assessment. (DOE/ET – 0016) 377466
Laverlochere, J.
Neutron logging of petroleum wells by spectrometric analysis of the prompt emission of inelastic scattering and capture gamma rays. 375966
Laverov, N.P.
Distribution patterns of uranium deposits and methods of evaluating them. 365262
Laverriere, G.
A detector for high-energy neutrino interactions. 379899
Laverriere, R.
Exchange corrections for partial capture rates of muons in nuclei. (LYCEN – 7702(pt.1)) 369479
Lavigne, J.M.
An acceleration evaluation of the performance of the Soviet-French wide-gap spark chamber for gamma-ray astronomy. 368266
A 1m^2 gamma ray spark chamber telescope for the energy range 10-100 MeV. 379929
Laville, J.L.
Influence of intrinsic nucleon motion on energy spectra and angular distributions for ^{16}O-induced reactions at 20 MeV/A. 356769
Particle-particle angular correlations in peripheral heavy-ion reactions. 362065
Lavine, J.P.
Radiative pion-proton scattering. 354206
LaVoie, R.V.
Vacuum cleaner for radioactively contaminated particles. (US patent document 4,061,480/A/) 379464
Lavrenchuk, A.P.
Double inversion of the Hall coefficient in p-type Pbsub(1-x)Snsub(x)Te solid solution. 358884
Lavrenko, V.A.
High-temperature oxidation of Ag-Ni pseudo-alloys with ZnS-, MoS_2 sulfide additions. 349369
Kinetics of high-temperature oxidation of boron carbide in oxygen. 362302
On formation of protective barrier layer during high temperature oxidation of Cr-0,5La alloy. 349305
Reduction of oxide mixtures for permalloy-type alloys. 349252
Lavrent'ev, L.N.
Study and comparative evaluation of radiation lesions and recovery processes in the large intestine affected by radionuclides of the rare earth group. 362735
Lavrent'ev, O.A.
Base elements of technological calculation of large thermonuclear systems based on an electromagnetic trap. (INIS-mf – 3954) 361580
Critical angles for the magnetic field cusped geometry. (KFTI – 75-19) 377467
Cryogenic vacuum system of the "Jupiter-2T" facility: project and model experiments. (INIS-mf – 3954) 361549
Magnet system of the "Jupiter 2T" high-temperature plasma electromagnetic trap. (INIS-mf – 3954) 361581
Plasma accumulation in electromagnetic traps. (KFTI – 75-19) 377504
Source and detector of a potassium neutral beam. (KFTI – 75-19) 377338
Lavrent'ev, Yu.D.
X-ray absorption analysis of powdered samples using automated measurement scheme. 367376
Lavrent'ev, Yu.G.
Problem on primary radiation filtration effect on form of coupling equations during X-ray fluorescence analysis. 354298
Lavrent'eva, V.S.
Methods for determination and evaluation of carbonate reservoirs in deep levels (on example of Sherbakovsko-Balikleiskaya zone). 365277
Lavrentovich, Ya.I.
Radiation action with LET on cellulose esters. 375707
Study of LET radiation effect on radiolysis and chemical stability of polycarbonate. 369799
Lavrinenko, C.D.
Vanadium refinement by crucible-less vacuum distillation. (KFTI – 75-10) 354483
Lavrinovich, Yu.G.
Study of the behaviour of high-active wastes from reprocessing of fast reactor fuel elements by the fluoride volatility method. (IAEA-AG – 63-23) 363646
Lavrov, A.V.
On the electronic excitation of laser materials with high concentration of rare earth activators. (INIS-mf – 3955) 361425
Spectra of luminescence of europium ultraphosphates. (INIS-mf – 3955) 378328
Structure of rhombic modification of zirconium polyphosphate $Zr(PO_3)_4$-2. 357017
Lavrov, P.M.
Some properties of correct solutions in the problem of an electron in a quantized plane-wave field. 368519
Lavrov, V.A.
Method of determining the blood flow rate in the portal vein and liver systems. (Soviet patent document 465810/A/) 349815
Lavrov, V.M.
On diabatic MO correlation rules. 377065
Lavrukhina, A.K.
Energy spectrum of iron-group nuclei in solar radiation according

to track studies of lunar grounds delivered by the Luna-16 and Luna-20 automatic stations. 356265
Law, A.G.
Linac beam core modeling from wire-scanner data. (LA – 6894-MS) 367973
Law, J.
Inner shell electron ejection in the alpha decay of ^{210}Po. 377066
Law, M.E.
Measurement of the π^+p and π^-p polarization parameters at 100 GeV/c. 351209
Law, M.P.
The response of skin to fractionated heat and X rays. 379012
The response of the mouse ear to heat applied alone or combined with X-rays. 373533
Law, P.K.
Cryopump, neutral-beam compatibility test. (LBL – 5943) 377348
Law, S.H.
Gas turbine HTGR: a total energy utilization option. (GA-A – 14484) 352683
Lawangar, R.D.
Dependence of a TL glow peak intensity on irradiation dose in CaS:Pd phosphors. 375950
Lawe, A.
Ariel V sky survey: X-ray variability of NGC 5128. 359115
Lawin, H.
The β-decay of ^{100}Y: discovery of a very low lying 0^+ state in ^{100}Zr. 354219
Studies of ^{132}Sn and ^{133}Sb. (ZfK – 336) 364823
Lawler, J.E.
Nanosecond time-resolved spectroscopy of the n = 2 levels in a high-pressure He discharge. 358773
Lawley, K.P.
Molecular scattering: physical and chemical applications. XXX. 361372
Lawn, C.J.
Turbulent temperature fluctuations in liquid metals. 352370
Lawrence, A.A.
Strain-rate effects for some common structural materials used in radioactive material packaging and transportation systems. 350031
Lawrence, C.C. III
Lessons learned at Calvert Cliffs. 370924
Lawrence, G.P.
Proton storage ring summer workshop. (LA – 6749-C) 374070
Lawrence, J.K.
Views of the universe over cosmological time spans. 372205
Lawrence, J.M.
Magnetic and electric properties of cerium-based alloys: the effects of the valence transition. 357297
Spin dynamics in the mixed valence alloy Ce/sub 1ts-tsx/Th/sub x/. 359985
Lawrence, L.A.
In-reactor behavior of materials used to control fuel-cladding chemical interaction. (HEDL-SA – 1268) 368242
Lawrence, R.D.
Smoothing and extrapolation techniques for reactor kinetics. 374124
Lawrence, R.J.
High pressure multiple shock response of aluminum. (SAND – 77-0027C) 351774
Lawrence, W.E.
Transport properties of normal metals and alloys below the Debye temperature. (COO – 2315-10) 350749
Lawroski, H.
Relative occupational risks of plutonium and ^{233}U fuels. 379103
What about improving the productivity of electric power plants. 363694
Lawrynowicz, J.
On an almost complex manifold approach to elementary particles. 375038
Lawson, A.C.
Structural transformation in some Chevrel phase compounds: $ZnMo_3S_6$, $ZnMo_3Se_6$, and $Cu_{0.7}Mo_3Se_4$. 360046
Superconducting transition temperature, its pressure dependence and structural transformation in (La,Ce) Ru_2 alloys. 357328
Lawson, C.G.
Helium distribution system for the Large Coil Test Facility (LCTF). (CONF-771029 – 193) 377468
Helium liquefier-refrigerator and distribution system for the Large Coil Program Test Facility. (CONF-771029 – 107) 371921
Lawson, J.D.
The physics of charged-particle beams. 358774
Lawson, R.S.
Renography and diuretic techniques in equivocal pelviureteric junction obstruction. (INIS-mf – 4010) 357699
Lawson, W.F. Jr.
Dynamics of a particle attracted by a magnetized wire. 350523
Lawther, C.
A low energy implantation system for the fabrication of Mn-implanted ZnS electroluminescent films. 377235
Lawver, B.S.
Operators guide: Atmospheric Release Advisory Capability (ARAC) site facility. (UCID – 17490) 351972
Lax, B.
Motional stark effect in high magnetic fields: A new technique for sub-Doppler spectroscopy. 366364
Lax, I.
Effect of radiation therapy on the mitogenic response of in vitro irradiated human lymphocytes to phytohaemagglutinin. 376055
Lay, J.C.
Effects of current inhalation exposure methods on cardiopulmonary function of immature dogs. (LF – 56) 365444
Morphologic characteristics of lung tumors in beagle dogs after inhalation of ^{91}Y in fused aluminosilicate particles. (LF – 56) 365429
Synthesis of surface-active phospholipids by a cell culture of a combined cell carcinoma of the lung from a beagle dog. (LF – 56) 362845
Toxicity of inhaled ^{144}Ce in fused aluminosilicate particles in immature beagle dogs. V. (LF – 56) 365414, 365427, 365428
Toxicity of inhaled ^{90}Y in fused aluminosilicate particles in beagle dogs. VIII. (LF – 56) 365440
Toxicity of inhaled ^{91}Y in fused aluminosilicate particles in beagle dogs. VII. (LF – 56) 365441
Lay, W.P.
The 14 MeV neutron activation analysis of Chinese foodstuffs for protein content. 375242
Layly, V.
Neutron densities from 1 GeV proton scattering. 372727
Layne, C.B.
Multiphonon relaxation of rare-earth ions in beryllium-fluoride glass. 365225
Layter, J.
Further evidence for production of electrons with small transverse momenta in pp collisions. 377784
Lazar, D.P.
Molecular field coefficients in rare-earth – 3d transition metal composition. 362380
Molecular field coefficients in rare-earth-3d transition metal compounds. 355968
Lazar, I.
Proton scattering on ^{238}U and the probable isobaric analogue resonances. 356579
Resonances analog to parent states in continuum. 356707
Lazard, C.
Theoretical interpretation of new experimental results for the asymmetry in the $\gamma d \rightarrow \pi$degd reaction. 359283
Lazarenko, L.A.
On interaction of hadrons with mesons with spin 2. 348936
Lazarescu, G.
Contributions to the kinetics of the multiregion reactors. 379532
Lazareth, O.
Thermal-hydraulic and neutronics analysis of an SAP-thermosyphon blanket. 350838
Lazarev, A.B.
Investigation of the detecting properties of a counter filled with solid argon. 350301
Lazarev, A.I.
Reaction between rhenium and bismuthol 2. 378141
Lazarev, B.G.
Adsorption pump with the spherical cavity as a pumping element. (KFTI – 75-10) 352382
On the peculiarities of the formation of Nb_3Sn intermetallic compound in niobium-tin alloys. (KFTI – 75-33) 353738
Lazarev, Eh.M.
Electron diffraction study of the interaction of thin ruthenium and iridium films with air oxygen. 378647
Electronographic study of carburization and oxidation of thin tungsten and molybdenum films. 349373
Investigating the interaction of oxide cathode core of nickel-rhenium lanthanum or nickel-tungsten-lanthanum alloys with its surface coating. 357323
Metal diffusion in oxide cathode. 357322
Lazarev, L.N.
Basic problems in reprocessing spent fuel elements of nuclear power plants. 366159
Environmental aspects of fast reactor fuel reprocessing. (IAEA-AG – 63-24) 362926
Non-destructive methods for the analysis of fast reactor fuels. (IAEA-AG – 63-25) 363514
On the necessity for evaluation of the limits of radioactive waste disposal into water systems of international importance. 368394
Requirements for extraction systems with regard to limiting radiation loads in reprocessing of fast reactor fuels. (IAEA-AG – 63-19) 362338
Lazarev, N.F.
Mass-spectrographic method for molecule, atom and ion energy measurements in elementar interactions. (SFTI – 1) 358417
Lazarev, N.V.
Combined operation of the I-2 injector into three beam extraction channels. (ITEF – 34) 376371
Conference on proton linear accelerators, Chalk-River, Canada. 370756
Development and operation of new units at the I-2 linac in 1973. (ITEF – 10(1975)) 367971
System of pulsed magnetic commutation of a beam in the I-2 linear accelerator. (ITEF – 52) 376375
Usage of the I-2 linear accelerator in applied studies. (INIS-mf – 4194) 376353
Lazarev, V.A.
Diffusion of carbon and chromium in iron affected by ultrasonic waves. 375858
Lazarev, V.B.
Fast phase-voltage converter. 358431
Lazareva, N.P.
Aging resistance and stabilization of high density polyethylene formed on vanadium-containing catalyst. 357031
Lazareva, V.I.
Reaction between rhenium and bismuthol 2. 378141

Lazarides, G.
Temperature dependence of bound state spectra in field theory. 353107
Lazarov, D.L.
EHM investigation of hydrogen adsorption on model nickel substrates. 374745
Lazarus, A.J.
Comparison of solar wind streams and coronal structure near solar minimum. 351058
The plasma experiment on the 1977 Voyager Mission. 374882
Lazarus, D.M.
Measurements of polarization in K⁻p elastic scattering at low energies. 361883
Lazarus, R.B.
Two-dimensional maximum entropy image restoration. (LA – 6897-MS) 350487
Lazauskas, V.M.
On the equivalence of orthogonal and nonorthogonal radial orbitals. 376990
Lazebnik, I.M.
Depolarization anisotropy of neutrons in PdFe diluted alloys near the phase transition. 350732
Lazeeva, G.S.
Universal method of sample preparation for spectral-isotopic determination of nitrogen in natural biological subjects. 349174
Laziev, Eh.M.
Determination of phase extension of electron bunches in linear accelerator. 350073
Lazneva, Eh.F.
Change of photopotential and potential of CdS surface in the process of oxygen thermodesorption. 350716
Photostimulated desorption from cadmium sulfide surface. 349253
Laznow, J.
Modified variable trajectory puff advection model for airborne effluents. 378934
Lazo, G.
Observation of channeling of negative pions of 4GeV/c momentum. 355934
Lazowy, B.
X-ray investigation of phosphors for black-white television. 374104
Lazukhin, V.N.
EPR of activated cubic ZrO_2 and HfO_2 monocrystals. (INIS-mf – 3955) 377187
Lazukova, N.I.
Quadrupole interaction in VO_2. 357032
Lazutin, E.V.
Multi-channel ignition system for spark gaps. 376672
Stabilization of time characteristics of the Arkad'ev-Marks. 358405
Lazutin, L.L.
Aurorae and auroral high-energy electrons. 357540
Lazzarini, E.
On the radiation induced solid state isotopic exchange reactions between $^{60}Co^{2+}$ dopant ions and Co(III) atoms in cis-[$Coen_2(NO_2)CNS$][Co EDTA] $2H_20$. 375683
Lazzaro, E.
Velocity space selection properties of magnetic divertor configurations. (INIS-mf – 3963) 371778
Le Bellac, M.
Reggeon quantum mechanics: a critical discussion. 368532
Le Beyec, Y.
New osmium and iridium isotopes produced through ^{63}Cu induced reactions. 364754
Le Borgne, Edmond
Heat exchanger with immersed tubes. 355267
Process heat reactor. 355343
Le Bouhellec, J.
Advances made in areas of relevance to the treatment of gaseous effluents from reprocessing plants. 358474
Progress in areas of relevance to the treatment of gaseous effluents from reprocessing plants. (BNWL-tr – 253) 352854
Reprocessing of "fast" fuel in France. (IAEA-AG – 63-5) 368452
Le Brun, C.
^3He production in ^4He fragmentation on protons at 6.85 GeV/c. 354154
Angular distribution measurement of the reaction $\alpha p \rightarrow {}^3He$ d at 3.98 GeV/c. 354147
Le Brun, Christian
Study of the $d+d \rightarrow {}^4He+X^0$; production of light nuclei at medium energies. (LPCC-T – 77-01) 359504
Le Duff, J.
Double frequency rf system to increase the DCI energy. 363157
Le Go, A.
Study of erythrocyte recovery by means of cellular spectra and reticulocytes remodeling after whole-body irradiation. 354781
Le Go, R.
Long term evolution of the immune response in the rat irradiated at mean and high doses. 354782
A specialised image analysing instrument for caryotype automatisation. 355618
Study of erythrocyte recovery by means of cellular spectra and reticulocytes remodeling after whole-body irradiation. 354781
The use of chromosomic anomalies for the estimation of an accidental acute irradiation dose in man. 354802
Le Grand, J.
A method of evaluation of long range atmospheric transfers (100-1000 km). 370301
Le Gressus, C.
Auger analysis and ion mass spectrometry study of electron induced damages. 368827
Le Gressus, Claude
Procedure and device for the chemical analysis of a sample, using secondary electron energy spectrum analysis. 361044
Procedure and device of electron microscopy intended for modulating the intensity of the primary electron beam. 371117
Le Guern, C.
Radioimmunoassay for tubulin detection. 362799
Le Mercier, M.
Synthesis of the mineralogic and petrographic studies of the ore minerals from Oklo, their gangues and the surrounding rocks. (ORNL-tr – 4337) 349660
Le Noc, J.P.
Irradiated fuel transport and handling system adopted for Electricite de France's nuclear power plants. 367948
Le Poole, R.S.
Westerbork surveys of radio sources at 610 and 1415 MHz. 366780
Le Roux, N.W.
Effect of light on Thiobacilli. 365366
Le Roy, J.
Structures of the rare-earth-platinum compounds R_7Pt_3, R_2Pt, R_3Pt_3 and RPt. 369986
Y_3Ni_2: a new tetragonal phase with Ni-centred trigonal prisms. 357298
Le Suan Tu
Effect of hydroxyurea and amethopterin on radiosensitivity and thiol content of biological objects. 370356
Radioresistance of Ehrlich ascites tumour cells in G_1-and S-phases. 370355
Le Yaouanc, A.
Absolute magnitude of non-leptonic hyperon decays and electromagnetic hyperfine splittings. 372451
Strong decays of psi''(4.028) as a radial excitation of charmonium. 375039
Why is psi(4.414) so narrow. 375040
Lea, A.T.
Computing and automation division quarterly report 4 April – 3 July 1977. (RL – 77-087/A) 352424
Lea, K.R.
Compton scattering with synchrotron radiation. 364038
Radiation damage produced with synchrotron radiation. 365043
Lea, M.A.
Actions of exogenous histones and other proteins on [^3H]-thymidine incorporation into DNA of Novikoff hepatoma cells. 360305
Lea, S.M.
Hot gas in clusters of galaxies. 369146
Leach, G.
Strategies for the future. 358550
Leach, L.P.
Application of results from the LOFT and Semiscale LOCA tests to reactor safety questions. 370925
LOFT emergency core-cooling system experiments: results from the L1-4 experiment. 379272
Leadbetter, A.J.
The structure of neutron irradiated silica. 365239
Leader, E.
Problems in the phenomenological analysis of cross-section difference sigmasub(pp)-sigmasub(pn) and sigmasub(antiproton proton)-sigmasub(antiproton neutron). 361919
Usefulness of spin dependent electromagnetic hadronic interference experiments. 361820
Why has Regge pole theory survived. 368558
Leadon, R.E.
Effects of radiation on the low-temperature carrier recombination lifetimes in HgCdTe. 370179
Leaf, A.C.
Techniques for studying corrosion and deposition of radioactive materials in sodium loops. (IWGFR – 7) 360967
Leaf, G.K.
Survey of numerical methods for hydraulic transients. (ANL – 77-81) 379432
Leaist, G.T.
Development of the Canadian nuclear power program. 360878
Leander, G.
Nucleon binding in nuclei at high angular momentum. 369415
The particle-cluster vibration and the particle-asymmetric rotor description of ^{193}Au. (ZfK – 336) 364830
Search for the yrast traps in neutron deficient rare earth nuclei. 354054
Spherical and deformed descriptions of the $9/2_1^-$ level. (ZfK – 336) 364763
Leao, L.E.P.
Critical assessment of radioisotopic methods used in the evaluation of pherispheral blood flow. 365468
Leapman, R.D.
High resolution electron microscopy of boric acid-Nb_20_5 complexes and doped Ta_20_5 systems. 373296
Learmont, R.P.
Method for the removal of radioactive waste during in-situ leaching of uranium. (US patent document 4,054,320/A/) 373123
Leary, D.F.
Method of making nuclear fuel bodies. (US patent document 4,035,452/A/) 378764
Leary, J.
Advanced LMFBR fuels. 378746, 378766, 378773, 378776, 378802, 379248, 379286, 379288, 379727, 379728, 379729, 379731, 379733, 379734, 379735, 379737, 379739, 379740, 379741, 379742, 379747, 379748, 379753, 379769, 379771, 379777, 379778, 379779, 379781, 379796, 379797, 379800, 379801, 379804, 379807, 379810, 379811, 379812, 379813, 379817, 379823, 379824

Leary, J.A.
US advanced LMFBR fuels development program. 379807
Lease, L.W.
Uranium favorability of tertiary sedimentary rocks in the northern Green River Basin and Hoback Basin, Wyoming. (GJBX – 64(77)) 365278
Leavell, W.H.
Tracking nonstationary velocity in two-phase flow by an adaptive cross-correlation algorithm. 352258
Leavens, C.R.
Supposed failure of the Boltzmann equation in Nb. 351773
Leaver, D.E.W.
Overview of the CRBRP safety study. (CRBRP-PS – 01) 362997
Leaver, J.
Nuclear power vessels. 355400
Leavitt, G.A.
Tradeoffs in capacitor bank design. (UCRL – 79686) 374831
40-kV, 25-ms neutral-beam power supply for TMX. (UCRL – 79687) 374832
Leb, G.
In vitro determined thyroid hormones and TSH levels in patients with an autonomous thyroid. (INIS-mf – 4010) 370509
Lebas, M.C.
Yield properties of solvated electrons created by the γ radiolysis of hexamethylphosphorotriamide. 359790
Lebeau, C.
Change in the order parameter of a superconductor of type I in the presence of magnetic dipoles. 353736
Lebech, B.
Magnetic phase transitions of CeSb: results of structure refinements. (RISO – 369) 368777
Lebedenko, V.M.
On generator systems for non-torsion Abelian groups of infinite free rank. (JINR-R – 5-10682) 374571
Lebedev, A.A.
Effect of uniaxial pressure on capacity of diodes of silicon doped with rhenium. 348810
J/psi production off Be, Cu and W by 43 GeV/c negative pions. 369344
Lebedev, A.D.
Fast ion production in a tokamak plasma in the lower hybrid heating experiments. (INIS-mf – 3963) 371867
Lebedev, A.I.
Electroluminescence spectra of p-GaSb-n-Gasub(1-x)Insub(x)Sb heterojunctions. 348811
Lebedev, A.M.
A digital method for registering count rate differences. 357457
Lebedev, A.N.
Increasing of steel-12Kh18N10T resistance to corrosion cracking in chloride solutions by oxidation. 351660
Ion acceleration by the quasistation-ary field of an electron beam. 357974
Longitudinal polarization measurements on direct muons produced in proton-nucleus collisions. 353925
Two-pulse power supply for a large streamer chamber. 358421
Lebedev, E.V.
Radioluminescence investigations with silane modified polyethylene-kaolin compounds. 353460
Lebedev, I.A.
Investigation of cerium oxidation with ozone in sulfuric-acid solutions. 359592
Preparation of tetravalent praseodymium in potassium phosphotungstate aqueous solutions. 357107
Redox potentials of the Bk(4)-Bk(3) pair. 369763
Lebedev, K.B.
Industrial tests and application of porous AN-21 anion exchanger for rhenium extraction. 359644
Lebedev, L.S.
Production of intensive negative hydrogen ion beams. 350071
Scattering of the 4.7 MeV neutrons on Al and Fe. (INIS-mf – 3897) 356819
Lebedev, N.S.
On the total cross-section reconstruction of neutron-nucleus interactions as neutron energy function by experimental data. (IAE – 2454) 349095
Lebedev, N.V.
Fabrication of time non-transparent coatings on a plastic scintillator. 379853
Lebedev, P.M.
On transformation of an electromagnetic wave into nonlinear plasma waves in the range of a hybrid resonance. 368932
Lebedev, R.M.
Narrow signals in the two-bary on effective mass spectrum and spin effects in the pn → np charge exchange process. (JINR-D – 1,2-9342) 356478
On the two-nucleon enhancement associated with high momentum tail of the spectator in the deuteron break up. (JINR-D – 1,2-9342) 356479
Lebedev, S.Ja.
Blistering on nickel and steels irradiated with argon and nitrogen ions. (INIS-mf – 3996) 377186
Lebedev, S.V.
Measurement of tantalum temperature in solid and liquid states at rapid heating by electric current. 359950
On the heat capacity of refractory metals near the melting point under rapid heating. 378669
Lebedev, S.Y.
Analysis of angular distributions of sputtered material by means of autoradiograph technique. 368828
Lebedev, S.Ya.
Analysis of shadow picture observed at 70 keV energy ion bombardment of gold single crystals. 348812
Electron energy spectra arising when passing of fission fragments through polycrystal and monocrystal gold films. (FEI – 623) 356009
Investigation into radiation-induced porosity at ILU-100 accelerator. (FEI – 652) 357421
Investigation of the energy distributions of electrons knocked-out with fission fragments from cold polycrystal and single-crystal films. (INIS-mf – 3996) 364062
Nickel blistering by helium ions irradiation. (INIS-mf – 3996) 377227
Vacancy porosity in metals irradiated with accelerated Fe ions. (JINR-R – 14-8801) 349586
Lebedev, S.Yu.
Thermal stability and pressure of saturated vapor of zirconium and hafnium acetylacetonates. 369595
Lebedev, V.A.
On probabilities of bimolecular chemical reactions at high energies. 369782
On temperature dependence of yields of products from radiolysis of liquid n-hexane. 369773
Polarization of aluminium cathode in cerium-containing melts. (INIS-mf – 4189) 375483
Regularities of crystallization of solid phases on liquid-metal cathodes. 357033
Regularities of electrocrystallization of solid phases on liquid-metal cathodes. (INIS-mf – 4189) 375645
Thermodynamic properties of dilute Ce-Sb solutions. 375910
Thermodynamic properties of liquid thorium alloys with lead. 378711
Thermodynamic properties of molten Th-Sn alloys. 373213
Lebedev, V.G.
Spectral-luminescent characteristics of Nd^{3+} in the $LaCl_3$-$NdCl_3$ system. (INIS-mf – 3955) 362169
Spectral-luminescent investigations of $MeCl$-$AlCl_3$-$NdCl_3$ systems (M = K, Cs). (INIS-mf – 3955) 362377
Lebedev, V.I.
Galerkin method for solving diffusion equations. (IAE – 2473) 358040
Lebedev, V.M.
^{245}Cm neutron resonance parameters in the 1-30 eV neutron energy range. 377968
Neutron total cross-section for isotopes. (INIS-mf – 3897) 356752
Study on the d, ^3He, α backscattering on light nuclei with allowance for the heavy particle stripping mechanism. 375106
Lebedev, V.N.
Determination of metal workability under deformation. 369866
Doses of high energy 1GeV – 5TeV particles in tissue-equivalent phantoms. (IFVE-ORZ – 74-58) 349918
Sensitivity of a boron counter in a moderator to high energy hadrons. (INIS-mf – 3846) 350286
Lebedev, V.P.
On the efficiency of cooperative luminescence in activated glass. (INIS-mf – 3955) 378267
Selective population of heterogeneous contour of Yb^{3+} in glass. (INIS-mf – 3955) 378329
Lebedev, V.V.
Lagrange hydrodynamic equations for He^3-A anisotropic superfluid liquid. 369251
On calculating an optimum MHD generator. Statement of the problem and an algorithm for optimum solution. Part 2. (IAE – 2390) 353722
Small-size source of labelled alpha particles. 370682
Lebedev, Ya.S.
Radical pairs during solid paraffins radiolysis: mechanism of radiolytic birth and postradiational decay. 362257
Lebedev, Yu.A.
The radiometric enrichment of poor uranium ores. 365115
Lebedeva, G.A.
Protein synthesis in the nuclei of cells of small intestine mucosa of rats suffering from the most severe form of acute radiation sickness and treated with the protector. 379009
Lebedeva, L.I.
Spectrophotometric studying phosphomolybdic and phosphovanadiomolybdic heteropolyacids with some organic compounds. (INIS-mf – 4192) 375541
Lebedeva, N.S.
Study on cross-section properties of neutron forward elastic scattering and optical theorem. (INIS-mf – 3897) 356634
Lebedeva, S.Ya.
Pores in helium-saturated nickel irradiated by nickel ions. (KFTI – 74-47) 357422
Lebedew, W.K.
Measuring instrument to measure the velocity of ultrasonics while passing materials to be tested. (German (F.R.) patent document 2346920/B/) 376703
Leber, R.L.
Development work on superconducting coils for a large mirror fusion test facility (MFTF). (UCRL – 78891) 358929, 377378
Leblanc, M.A.R.
Flux expulsion and trapping in rotating discs of type II superconductors. 353726
Leblanc, R.J.
Positron annihilation in some ferro and antiferro-electric materials. 353417
Leboeuf, J.N.
Non-linear interaction of intense CO_2 radiation with dense plasma. 348919

Leboffe, M.
Italian activities in uranium enrichment. 367845
Lebofsky, L.A.
Asteroid 1 Ceres: evidence for water of hydration. 372206
Leboime, Pierre
Improvements to the performance of gas separating centrifuges. 360557
Lebowitz, J.L.
Time evolution of infinite anharmonic systems. 350522
Lebrun, C.
Shape transition between N = 40 and 42 in the Ga and Ge isotopes. 378073
Shape transition between N=40 and 42 in the Ga and Ge isotopes. (IPNO-PhN – 77-23) 369514
Lebrun, J.P.
Some remarks concerning the equation of state near a critical point. 364063
Lebrun, M.
Search for second-class current: the measurement of the β-γ directional correlation in the decay of ^{20}Na. 354253
Lebrun, P.
Average polarization of ^{12}B in ^{12}C(μ,γ)^{12}B(g.s.) reaction: helicity of the π-decay muon and nature of the weak coupling. 356519
Lechanoine, C.
A complete experiment for p-p scattering at medium energies. 372584
Measurement of the parameters P, D, R and A for small angle p-p scattering at 390 MeV. 377785
Lechner, R.E.
Quasi-elastic neutron scattering on α-AgJ: discussion of new results of measurement. (AED-Conf – 77-163-006) 350725
Leck, J.H.
A detailed study of the quadrupole mass filter operating with no d.c. component on the rods. 379977
Leclerc, J.
Safety and protection analysis of reprocessing plants. 370577
Leclercq-Willain, C.
On the general form of the cross-section of deep-inelastic collisions. 375105
Lecoffre, Y.
The detection and evaluation of the development of cavitation by direct listening of the ultrasonic field with the help of an heteridyne frequency shifting system. (IWGFR – 9) 350098
Lecomte, A.
A 1m^2 gamma ray spark chamber telescope for the energy range 10-100 MeV. 379929
Lecomte, P.
Electron-muon and electron-hadron production in e^+e^- collisions. 366879
Quenches in large superconducting magnets. (LBL – 6718) 370718
A search for neutral heavy leptons. 356514
Lecomte, R.
Measurement of the static quadrupole moments of the first 2$^+$ states in ^{76}Se, ^{78}Se, ^{80}Se and ^{82}Se. 354229
Leconte, Ph.
On the radial distribution of the 1fsub(7/2) proton orbit. 362113
Lecoq, Pierre
Procedure for processing a mixture of air and rare gases and especially radioactive mixtures. 359599
LeCoultre, P.
Search for the metastable 2s state in muonic hydrogen. 361331
Ledakowicz, S.
Possibility of high temperature reactors utilization in chemical technology. 374227
Ledbetter, G.P.
Bibliography of published material related to the Soviet PNE Program. (UCRL – 52362) 379457
Ledbetter, H.M.
Anomalous elastic properties of a precipitation-hardened copper alloy. 351775
Leddick, R.S.
Duplicate plants: one approach to standardized licensing that works. 358574
Ledebur, Th.V.
Precision measurement of the 3d-2p transition energy in muonic Mg, Si, P, by crystal spectrometer. 376954
Ledenev, V.G.
Electromagnetic radiation from a magnetohydrodynamic shock wave front. 369147
Leder, G.
Measurement of $\pi^-p \rightarrow \pi^0n$ at large momentum transfer. 372503
Observation of a meson X → 2γ, with mass 2.85 GeV/c^2, produced in the charge-exchange reaction $\pi^-p \rightarrow Xn$ at 40 Gev/c. 377780
Study of the reaction $K^-p \rightarrow$anti K^0n at momenta of 25 and 40 GeV/c. 356482
Leder, H.
In-service inspection at the SNR 300 with the range of reactor vessel. (IWGFR – 10) 363515
Leder, O.
Stereological, histochemical and autoradiographical analysis of the isoproterenol-induced necrosis of the myocardium and it's prevention by calcium-antagonists. (INIS-mf – 4010) 370402
Lederer, P.
Coupled charge adnd spin fields in itinerant-electron paramagnets. (CBPF – A0013/77) 363783
Phase transition in the non-degenerate Hubbard Hamiltonian. (PUC-TN – 25/76) 350491
Phase transitions in the Hubbard Hamiltonian. (CBPF – A0018/77) 363759
Spin polarons in narrow, almost half-filled s band. (CBPF – A0009/77) 364032
Lederis, K.
Highly specific antiserum for arginine vasopressin. 376157
Lederman, L.M.
Observation of a dimuon resonance at 9.5 GeV in 400-GeV proton-nucleus collisions. 351221
Observation of structure in the UPSILON region. 369378
VBA. 363288
Ledermann, H.
Safety requirements on nuclear process heat facilities with HTR reactors. 370974
Ledford, R.D.
Study of the giant dipole resonance region of ^{89}Y via polarized and unpolarized proton capture. 362081
Ledingham, K.W.D.
Translocation of ^{11}C from leaves of Helianthus: preliminary results. 360388
Lednev, A.A.
J/psi production off Be, Cu and W by 43 GeV/c negative pions. 369344
Observation of a meson X → 2γ, with mass 2.85 GeV/c^2, produced in the charge-exchange reaction $\pi^-p \rightarrow Xn$ at 40 Gev/c. 377780
Performance study of spark wire chambers in extreme regimes. 371145
Study of the reaction $K^-p \rightarrow$anti K^0n at momenta of 25 and 40 GeV/c. 356482
Ledney, G.D.
Experimental hematology today. 370320, 370321, 370346, 370363, 370372, 370373, 370375, 370376, 373553
Lednicky, R.
Charge asymmetry at large psub(T) in inelastic anti pp reactions at 22.4 GeV/c. 353943
Ludmila – a two-meter hydrogen bubble chamber. 368304
Multiplicities and forward-backward correlations in anti pp interactions at 22.4 GeV/c. 366882
The problem of the X deg (958) spin. (JINR-E – 2-10567) 375041
Leduc
Super-Phenix: status of the Creys-Malville plant. 379738
Leduc, J.
Main safety features of the Super-Phenix project. (CONF-761001 – P1) 363004
Ledvina, M.
Changes of the excretion of both ^{125}I-o-iodobenzoic acid and its conjugates in irradiated rats. 354792
Lee-Hu, C.-N.
Pb and Sr isotopes in volcanic rocks from the Aleutian Islands and Pribilof Islands, Alaska. 375990
Lee, A.Y.
Thermal analysis of the TFTR vacuum vessel wall protective plate. (WFPS-TME – 015) 366584
Thermal and hydraulic analyses of TFTR cooling water system and magnetic field coils. (WFPS-TME – 014) 371922
Lee, B.W.
Analysis of simulated HCDA experiments in ZPPR. (CONF-761001 – P2) 363020
Cosmological lower bound on heavy-neutrino masses. 351178
Natural suppression of symmetry violation in gauge theories: Muon- and electron-lepton-number nonconservation. 372452
Regional fuel cycle center in the Far East: the approach from the developing country. 359853
Summary talk – status of accelerator neutrino physics. 353979
Weak interactions at very high energies: The role of the Higgs-boson mass. 372453
Lee, C.
Comment on Q mesons. 359284
Massless excitations in pseudoparticle fields. 358639
Propagators in pseudoparticle fields. 353047, 361772
Pseudoscalar transitions between high-spin resonances. 372454
Lee, C.E.
Charged particle energy deposition in an inertially confined thermonuclear plasma. 371721
Fission product release calculations from a reactor containment building. 362971
LOFC fission product release and circulating activity calculations for gas-cooled reactors. (LA-UR – 77-1569) 352665
Lee, C.H
Preliminary study of the uranium potential of the Triassic Sanford basin and Colon cross structure, North Carolina. (GJBX – 8(78)) 378867
Lee, C.H.
Coupled gravitational and electromagnetic perturbations around a charged black hole. 372207
Lee, C.K.
Homestake long range neutrino detector program. (UPR – 0027-E) 377600
Lee, C.K.B.
Suppression pool dynamics. Quarterly progress report 1 Oct 1976 – 31 Dec 1976. (PB – 267585) 357742
Lee, C.M.
Multichannel dissociative recombination theory. 350640
Lee, C.R.
Simultaneous determination of the intermediates of the citric acid cycle by gas chromatography – mass fragmentography using deuterated internal standards. 357644
Lee, D.
Determination of elastic coefficients for Zircaloy-2. 362387
The electron beam coating of turbine components and ion plating. 377165

Search for superheavy elements in the bombardment of ^{248}Cm with ^{48}Ca. 351372

Lee, D.A.
In-line monitoring of effluents from high-temperature gas-cooled reactor fuel particle preparation processes by mass spectrometry. 370975

Lee, D.H.
Determination of the energy gaps in superconductors by point contact tunnelling. 349456
Prediction of burnout. Chapter 14. 357902

Lee, D.M.
Design and performance of an 8 cm thick intrinsic germanium detector telescope. 363559

Lee, D.O.
Flow visualization in heat-generating porous media. (SAND – 76-0614) 379273

Lee, E.
Stable propagation of a high-current electron beam: experimental observations and computational modeling. (UCID – 17516) 366507

Lee, E.P.
Propagation of a heavy ion beam in gas-filled reactor. (UCRL – 80320) 372103
Stable propagation of an electron beam in gas. (UCRL – 79886) 371923

Lee, E.W.
Anisotropy and magnetostriction $GdAl_2$. 361430

Lee, F.S.C.
Thermal ^{38}Cl atom reactions with ethylene. 359742
Thermal ^{38}Cl atom sources. Neutron irradiation of $CClF_3$ and CCl_2F_2. 359741
Thermal ^{38}Cl reactions with propene. 359740

Lee, G.S.
Patterns of bone-marrow scintigraphy. 354968

Lee, H.
Nuclear power program in Korea. 360879

Lee, H.C.
Neutral current and the nuclear scattering of reactor antineutrinos. 372636
The nuclear magnetic field, Cabibbo angle, and CP violation in the nucleus. 356621

Lee, H.J.
Discontinuous transitions in a current-carrying plasma. 366585

Lee, I.Y.
Determination of γ softness in ^{192} ^{194} ^{196}Pt from Coulomb excitation with ^{136}Xe projectiles. 364800
Isomeric trapping following Coulomb excitation of high spin states in ^{178} ^{180}Hf. (ZfK – 336) 364780

Lee, J.
Continuous and grab sampling determinations of radon concentrations. (HASL – 325) 378899
Variational calculation of ground-state energy of iron atoms and condensed matter in strong magnetic fields. 351011

Lee, J.A.
Electrical resistivity of protactinium metal. 351755

Lee, J.D.
Mechanical design criteria for continuously operating neutral beams. (UCID – 17573) 366650, 372077
Perspective on the fusion-fission hybrid reactor. (UCID – 17622) 371746
Preliminary assessment of a symbiotic fusion – fission power system using the TH/U refresh fuel cycle. (UCID – 17607) 374471

Lee, J.F.
The cosmological constant, broken gauge theories and 3 K blackbody radiation. 369041

Lee, J.H.
Absolute rate of the reaction of Cl(p-2) with molecular hydrogen from 200-500°K. (N – 77-14825) 362223
Design and simulation of the first blanket zone of the DEMO fusion device. (ORNL/MIT – 246) 356131
Hypocycloidal pinch device. (US patent document 4,042,848/A/) 371924
Uranium plasma emission at gas-core reaction conditions. (CONF-760646 –) 374147

Lee, J.I.
Solubility of hydrogen sulfide in water. (AED-Conf – 77-163-004) 354349

Lee, J.J.
Interaction of a plasma beam with a transverse magnetic barrier. 350948

Lee, J.K.
Strain energy interactions, the T/sub o/ concept and sympathetic nucleation. 361467

Lee, J.L.
Leak testing fuel stored in the ICPP fuel storage basin. (ICP – 1118) 374436

Lee, J.M.F.
Physical aspects of electron-beam arc therapy. 363076

Lee, J.S.
Observation of new electronic transitions in O_2, CO, NO, CO_2, and N_2O. 366351

Lee, J.Y.
Studies of supercritical helium-4 at low temperatures during heat flow including disordered boundary domain investigations. Progress report for 1976. (PB – 266872) 356357

Lee, K.
Theory of hot-electron spectra at high laser intensity. 350842

Lee, K.D.
Atmospheric tritium sampling at the NTS. (CONF-770926 – 1) 363021

Lee, K.F.
Current-driven kink-like instability in collisional plasmas. 350886

Lee, K.H.
Effects of γ-irradiation upon the optical behavior of spinel. 348862

Lee, K.S.
Correlation between computerized transaxial tomography and radionuclide cisternography in dementia. 352098
Fatigue of vanadium – hydrogen alloys. 362423
Influence of hydrogen on high cycle fatigue of polycrystalline vanadium. (COO – 3459-13) 359822

Lee, K.W.
Characteristics of agglomerates of sodium oxide aerosol particles: Task 7, topical report. (BMI-NUREG – 1977) 358285

Lee, L.
Effect of rod bowing on CHF in PWR fuel assemblies. 370927

Lee, L.C.Y.
A 480-channel lead glass Cherenkov detector. 355498

Lee, L.L. Jr.
Bombarding energy dependence of deep inelastic fragment kinetic energies. 351341

Lee, M.
Study of SPEAR as dedicated source of synchrotron radiation. 363183

Lee, M.A.
Simple analytic solutions appropriate for galactic cosmic-ray modulation. 359072

Lee, M.J.
Inclusion of buckling approximations in finite element neutron transport methods. 360773
Vertical beam size due to orbit and alignment errors. 363185

Lee, M.J.G.
Periodic field-dependent photocurrent from a tungsten field emitter. 378670

Lee, M.W.
Calculation of the mean force constants of the rare gases and the rectilinear law of mean force. (COO – 3498-32) 362191, 369658
Liquid – vapor isotope fractionation factors in argon – krypton binary mixtures. 369659
Liquid-vapor isotope fractionation factors in argon – krypton binary mixtures. (COO – 3498-31) 362192

Lee, P.
Polarization and angular dependence of 1.06-μm laser-light absorption by planar plasmas. 350896

Lee, P.C.
Scanning system for a gamma camera. (German (F.R.) patent document 2620845/A/) 355591

Lee, P.H.Y.
Confirmation of radiation pressure effects in laser – plasma interactions. (UCRL – 80132(Rev.1)) 371730
Time-resolved x-ray spectra of laser irradiated high-Z targets. (UCRL – 79783) 377469
2660 A holographic interferometry of laser produced plasmas from tilted disk targets. (UCRL – 79775) 377332

Lee, P.J.
Absolute flow measurements to obtain depth against discharge for sewers using bromine-82 and lithium as tracers. 352366

Lee, P.L.
Measurements of the energy shifts of the K absorption edge and K X-rays of several uranium compounds. 357392

Lee, R.R.
Operation of Fort Calhoun Station with a reduced complement of in-core detectors. 358217

Lee, S.-T.
Time-resolved VUV spectroscopy using synchrotron radiation. Zeeman beats in resonance fluorescence of the $^3P_1$ states in krypton and xenon. 377079

Lee, S.M.
An analysis of the breeding capability of various fast reactor fuels. (RRC – 16) 376582
Laser isotope separation in SF_6. 373920

Lee, S.T.
Time resolved VUV spectroscopy using synchrotron radiation: fluorescent lifetimes of atomic Kr and Xe. 368674
A versatile, fast pumping ultraviolet photoelectron spectrometer for the study of transient and unstable species. 355528

Lee, S.Y.
Nuclear glory effect and α-^{40}Ca scattering. (IPNO-TH – 77-38) 359442, 372674

Lee, T.
Correlated O and Mg isotopic anomalies in Allende inclusions: II. Magnesium. 351096
Mg and Ca isotopic study of individual microscopic crystals from the Allende meteorite by the direct loading technique. 349640
Radial distribution functions of liquid Na and Cs. 373225
Substorm-associated long-period hydromagnetic waves. 351984
The thermopower of liquid sodium-caesium alloys. 373184

Lee, T.D.
Fermion-field nontopological solitons. II. Models for hadrons. 363781
Nontopological solitons and applications to hadrons. 374572
Theoretical high energy physics. Progress report, May 1, 1976 – April 30, 1977. (COO – 2271-100) 361821

Lee, T.H.
Second-order pion-nucleus optical potential. 351295

Lee, T.M.S.
Substorm-associated long-period hydromagnetic waves. 373463

Lee, T.Y.
Regional cerebral blood flow – a new non-invasive method. (INIS-mf – 4010) 362717

Lee, W.
Large aperture two arm magnetic spectrometer at ISABELLE. (BNL – 50611) 357971
Recent results from counter-spark chamber ν experiment at BNL. 353980
Lee, W.R.
Mutagenic effect of radionuclides incorporated into DNA of drosphila melanogaster. Progress report, 1976 – 1977. (ORO – 3728-10) 360326
Lee, W.W.
Numerical simulations of collisionless drift instabilities for low-density plasmas. (PPPL – 1382) 368969
Lee, Y.C.
Kinetic theory of tearing instabilities. 350832
Nonlinear evolution of collisionless and semicollisional tearing modes. 350831
Lee, Y.H.
Electronic excitation bands in irradiated silicon. 370146
The status of defect studies in silicon. 370145
Lee, Y.K.
β spectra of ^{12}B and ^{12}N reanalyzed. 351319
Nuclear moments and nuclear structure. Annual progress report, May 1, 1976 – July 31, 1977. (COO – 3274-21) 361906
Lee, Y.S.
Ab initio effective core potentials including relativistic effects. I. Formalism and applications to the Xe and Au atoms. 368511, 371509
Lee, Y.T.
Crossed molecular beam study of the translational energy dependence of $Cl + Br_2 \rightarrow BrCl + Br$ reaction. 368713
Crossed molecular beam study rotational excitation of HD(J = 0 → 1) in collisions with He. (LBL – 6214) 358737
Isotope separation by photodissociation of Van der Wall's molecules. (US patent document 4,032,306/A/) 373919
Molecular beam studies on multiphoton dissociation of polyatomic molecules. (LBL – 6275) 358748
Photoionization of dimeric polyatomic molecules: Proton affinities of H_2O and HF. 366239
Lee, Y.Y.
New 200 MeV line to BLIP at AGS. 374071
Leebl, R.G.
Evaluation of anion exchange resins for processing plutonium – neptunium residues. (RFP – 2657) 373124
Leemann, C.
Heavy ion facility for radiation therapy. 363289
Leemann, C.W.
Relativistic heavy ion accelerators. (LBL – 6425) 365743
Leeper, D.B.
The effect of caffeine on radiation-induced division delay. 349712
Leeper, R.J.
High power magnetically insulated radial diode. (SAND – 77-1549C) 368968
Neutron diagnostic system for particle beam fusion experiments. (SAND – 77-0916) 350926
Neutron production from advanced RDB fusion targets. (SAND – 77-2017C) 364177
Scintillator-photomultiplier response to a simulated REB generated thermonuclear neutron pulse. (SAND – 77-1592C) 377470
Lees, E.W.
Characteristic gamma-ray spectra from light elements in ^{241}Am (α,n) sources and their use in detecting source impurities. (AERE-R – 8891) 367877
An experimental and theoretical study of the low-lying states of ^{15}N. 366915
Leete, S.C.
Radionuclide concentrations in selected foodstuffs and wildlife from the Hanford environs, 1971 – 1975. (PNL – 2383) 379133
Leeuwen, W.A. van
Relativistic Boltzmann theory for a plasma. I. 371836
Relativistic Boltzmann theory for a plasma. II. 377398
LeFeber, W.P.
Graft-versus-leukemia, donor selection for adoptive immunotherapy in mice. 370320
LeFevre, B.G.
Strengthening by ordered precipitates in a Ni – Ni_4Mo system. 357276
Lefevre, H.W.
H(t,n)^{3}He reaction for depth profiling of hydrogen by neutron time-of-flight. (UCRL – 79201(Rev.1)) 351245, 356938
Lefevre, J.C.
Seismic analysis for the Super-Phenix Reactor. (CONF-761001 – P1) 362972
Lefevre, P.
Effects of depolarizing resonances on a circulating beam of polarized protons during acceleration or storage in a synchrotron. 363187
Lefevre, R.L.R.
Coated nuclear fuel particles: the coating process and its model. 365933
Leff, H.S.
Comments on renormalization group series. 376942
Leffers, T.
Dislocation climb sources activated by 1 MeV electron irradiation of copper nickel alloys. 349583
Dissociated structure of dislocation loops with Burgers vector a<100> in electron-irradiated Cu-Ni. 349584
Lefillatre, G.
Advances in techniques for bituminizing liquid waste from pressurized water nuclear power reactors. 358491
Lefkovits, I.
A method for autoradiographic studies of single clones of plaque forming cells. 376149
Lefol, A.
Secondary emission detector system for SATURNE II. 363137
Lefol, Andre
Extracted-beam-detection system around synchrotron saturne. (CEA-R – 4857) 355166
Leforestier, C.
Classical trajectories on 3D cardinal spline-fitted surfaces. 355897
Lefort, G.
Assessment of the safety situation at the hot laboratories of the Commissariat a l'Energie Atomique (CEA). 360454
Classification of transfer techniques at high-activity facilities. 360705
Problems of dismantling, treating and analysing highly irradiated fuel elements. 360843
Lefort, M.
Evidence for a short lifetime and a long lifetime regime in the deep inelastic collisions between ^{40}Ca and ^{64}Ni at 182 MeV. 372694
Fusion and deep inelastic collisions studied on the Ar + Au system. Pt. 2. 356765
Lefranc, G.
Some construction features of a cryostat for superconducting electron microscope lenses. 360634
Lefrancois, Bernard
Process and bithermal type isotope exchange system. 373914
Lefterov, D.P.
Determination of the drift parameters of lithium in germanium with cylindrical and spherical forms of the electric field. 371118
Lefvert, T.
Neutron- and gamma-ray transport calculations of dose transmission factors in concrete. (FOA-C – 20195-A2) 356534
Legan, M.
Argonne Code Center: compilation of program abstracts. (ANL – 7411(Suppl.11)) 374513
Legasov, V.A.
Structure of the nuclear power industry with allowance for energy production other than electricity. 366115
Legendre, R.G.
Aeroelasticity in heat exchangers. 355151
Legeta, L.V.
Synthesis and physicochemical properties of alloys of BiTeI-SbTeI section. 369592
Legg, G.G.
Designing to minimize radiation exposure. 360941
Leggett, A.J.
Macroscopic parity nonconservation due to neutral currents. 359285
Orientational dynamics of superfluid ^3He: a "two-fluid" model. I. spin dynamics with relaxation. 359204
Superfluid ^3He A is a liquid ferromagnet. 364450
Legkaya, T.N.
Mitallographic study of alloys of V-ZrO_2, V-HfO_2, Ta-ZrO_2 and Ta-HfO_2 systems. 370051
Legner, W.
Investigations of fuel rod failure in the second heatup phase of a LOCA. (KFK – 2435) 358191
Legotin, P.N.
Method of indicating linear travel of electrified material. (Soviet patent document 480963/A/) 376272
Legrady, O.J.
Nuclear "Metalog" grade logging in mineral deposits. 376006
Legrain, R.
π⁻-nucleus interactions for stopped and 45 MeV pions with ^{58} ^{60} ^{62}Ni. 359467
Legras, B.
A set of programs to process radioisotopic functional explorations by computer. 360377
Legras, J.
A new processing algorithm for the resolution enhancement of digital scans. 360378
Legvold, S.
Electrical resistivity of La. 359951
Exchange vs crystal fields in Gd – Pr single crystal alloys. 378671
Magnetic ordering in Ce – La and Nd – La alloys. (IS-M – 116) 373254
Scandium puzzle: what are its intrinsic properties. (IS-M – 99) 351753
Lehan, P.H.
Pharmacologically induced heterogeneous myocardial blood flow detected with rapid rescanning. 354948
Lehar, F.
The influence of electromagnetic interaction on proton-proton elastic scattering. 354051
Lehman, D.R.
Separable-potential fits to resonance parameters. 364699
Lehman, E.
High-energy production of hadrons on nuclear targets and the nature of the pomeron. 353862
Lehman, H.E.
Production of RCo_5 and R_2Co_7 powders by the R/D process. 357221
Lehmann-Grube, F.
Immunological tolerance to lymphocytic choriomeningitis virus in neonatally infected virus carrier mice: evidence supporting a clonal inactivation mechanism. 376150
Lehmann, E.
Evidence for the tau → γrhoπ decay mode. 372500

Lehmann, J.
Average polarization of ^{12}B in $^{12}C(\mu,\gamma)^{12}B$(g.s.) reaction: helicity of the π-decay muon and nature of the weak coupling. 356519
Implementation of a nuclear power plant project under varying boundary conditions. 370863
Lehmann, M.
Enhancement of the superconducting critical temperature Tsub(c) of niobium by radiation damage. 354618
Lehmann, V.
Neutron diffraction investigation of ferromagnetic TbB_2. 361483
Lehmann, W.
Experience with two large-scale Hell-cryostats for a superconducting r.f. particle separator working in a closed cycle with a 300 W refrigerator. 360711
Inelastic neutron scattering study of the quasi-1d Heisenberg antiferromagnet $CsMnBr_3$. 361427
Lehmberg, R.H.
Optical pulse squaring effects in a dispersive delay line. (NRL-MR – 3525) 350887
Lehmkuhl, G.D.
Alternate fuel cycle technologies, nitrate-to-oxide conversion project. Progress report, January – June 1977. (RFP – 2591) 365107
Lehn, A.V.
Mica fission detectors. (UCID – 17563) 363601
Lehner, A.
Coatings to be hardened by radiations. (German (F.R.) patent document 2452322/A/) 354426
Lehner, J.
Demountable low stress high field toroidal field magnet system for tokamak fusion reactors. (BNL – 23165) 371991
Proceedings of the workshop on structural analysis needs for magnetic fusion energy superconducting magnets: a technical assessment. (CONF-760984 –) 361614
Structural aspects of superconducting fusion magnets. (BNL – 22698) 350927
Lehner, N.
Inelastic neutron scattering study of the quasi-1d Heisenberg antiferromagnet $CsMnBr_3$. 361427
Lehnert, B.
Basic features of EXTRAP concept. 366586
Main features and potentialities of gas-blanket systems. (TRITA-PFU – 77-03) 361582
On the ionization and burnout processes of a magnetically confined plasma. (TRITA-PFU – 77-06) 361583
Rotating plasma in the "Tornado-650" trap. (INIS-mf – 3963) 371750
Lehning, H.
Effects of fuel-sodium interaction in TOP tests with electrically heated fuel pins. (CONF-761001 – P4) 362871
Lehr, J.
Longitudinal multiplane emission tomography (Pho-Con) characteristics, limitations and clinical applications. (INIS-mf – 4010) 358354
Lehr, P.
Toughness and resistance to crack propagation of the titanium TA6V alloy. 378724
Lehrfeld, D.
Artificial heart thermal converter component research and development. 379392
Leibacher, J.W.
Early evolution of an X-ray emitting solar active region. 372305
Leibowitz, L.
Measurement of thermal diffusivity of molten UO_2. (CONF-770537 – 3) 360017
Thermophysical properties of liquid uranium carbide. 378766
Thermophysical properties of thorium and uranium systems for use in reactor safety analysis. (ANL-CEN-RSD – 77-1) 378463
Leichsenring, C.H.
Safety aspects of LWR fuel reprocessing and mixed-oxide fuel fabrication plants. 369834
Leichsenring, H.C.
The highly shielded extraction facility MILLI at Kernforschungszentrum Karlsruhe (KFK). 360695
Leicman, J.
Improved organization of reactor-turbine workshop in the Novovoronezh nuclear power plant. 368173
Leigh, B.
The formation and recovery of two-break chromosome rearrangements from irradiated spermatozoa of Drosophila melanogaster. 373483
Leigh, J.D.
Quantitative respirator man-testing at Rocky Flats. (RFP – 2433) 379327
Leigh, J.R.
High spin states and two-quasiparticle structure in ^{172}Hf. (ANU-P – 683) 356919
High-spin states and two-quasiparticle structure in ^{172}Hf. 372829
Yrast cascades in sup(174,175)W and ^{161}Yb and a possible dipole component. (ANU-P – 687) 356845
Leikin, E.M.
Charge asymmetry at large psub(T) in inelastic anti pp reactions at 22.4 GeV/c. 353943
Multiplicities and forward-backward correlations in anti pp interactions at 22.4 GeV/c. 366882
Leiko, G.A.
The processes of electron capture from noble gas atoms to different states of multiply charged argon ions. 358693
Leiling, W.
Investigations of fuel rod failure in the second heatup phase of a LOCA. (KFK – 2435) 358191
Leimann, E.-A.
The ability of a gas scintillation proportional counter to reject background events in a space environment. 358333
A burst length discrimination system for a gas scintillation proportional counter. 358374
Leimbacher, W.
Quantitation of deuterated and non-deuterated phenylalanine and tyrosine in human plasma using the selective ion monitoring method with combined gas chromatography-mass spectrometry. 352138
Leinbach, H.
Evidence for very weak pitch angle diffusion of outer zone electrons. 370302
Leipelt, G.R.
Pinhole imaging of laser-produced thermonuclear alpha particles. (UCRL – 79780) 377365
Leipuner, L.B.
Determination of the neutron-proton ratio in primary cosmic rays. 350974
Leipunskii, I.O.
Mass-spectrometric investigation of very fast reactions of fluorine atoms with radicals. 377126
Leischner, E.
Free heavy-metal content in HTR fuel elements, targets and present status. 370964
Leisher, W.B.
Pulsar – a flux compression stage for coal-fired power plants. 360610
Leisi, H.J.
Precision measurement of the 3d-2p transition energy in muonic Mg, Si, P, by crystal spectrometer. 376954
Leistikow, S.
Creep-burst studies on the behaviour during LOCA of Zircaloy-4 cladding tubes in argon and water vapour. 370838
Investigation of the high temperature steam oxidation of zircaloy 4 cladding tubes. (KFK – 2435) 357299
Leite Lopes, J.
A model for leptons. 359286
Nonconservation of muon number in a model of lepton structure. (CRN-HE – 77-4) 364471
Leite, C.R.
Treatment of the new uranium mineralization at Campo Agostinho (Pocos de Caldas, Minas Gerais, Brazil). 351947
Leite, J.R.
Cellular method applied to crystals with four atoms by unitary cell. 364002
Electronic structure of multiplets. 364537
Kohn and Sham problem in atoms. 363886
Molecular subclusters theory. 363934
Study of the contact hyperfine field of light elements for different states of charge. 364465
Leite, R.C.C.
Non-collinear second harmonic generation. An interpretation of experimental results. (UEC-S – 134/04/75) 364079
Photon induced resonant Raman scattering in CdS. (UEC-S – 147/17/75) 364592
Leith, D.W.G.S.
Progress in K spectroscopy. (SLAC-PUB – 1980) 377748
A simple description of the Jsup(P) = $1^+K^+\pi^+\pi^-$ system in the reactions $K^-p \rightarrow K^+\pi^+\pi^-p$. 353779
Study of Kπ scattering using the reactions $K^+p \rightarrow K^+\pi^+n$ at 13 GeV. (SLAC-PUB – 1886) 377799
Leith, J.T.
Effect of dose rate on production of early and late radiation damage in mouse skin. 367482
Leitnaker, J.M.
Composition of eta carbide in Hastelloy N after aging 10,000 hr at 815°C. (ORNL – 5340) 373226
Leitner, E.
The effect of resonance production on angular correlations. 353935
Leitzmann, C.
The influence of different diets on free thyroid hormones levels. (INIS-mf – 4010) 370466
Lejay, Y.
The characterization of randomly stepped surface of copper by helium backscattering. 368829
The Debye-Waller factor in the elastic backscattering of an helium beam from the (111), (100) and (110) faces of copper. 368733
The diffraction of helium from an ordered stepped surface: Cu(117). 356008
Helium backscattering from a randomly stepped surface. 358771
Lejeune, A.
Elastic proton and neutron cross sections calculated from a microscopic optical model potential. 375093
The external field in Brueckners theory of nuclear matter. 377911
Many-body theory of the optical-model potential. 356613
Microscopic optical model analyses of proton and neutron elastic scattering cross sections. 377912
Optical-model potential in finite nuclei from Reid's hard core interaction. 351291
Theoretical investigations of the optical-model potential. 356614
Lejeune, W.
Solvent extraction with thiothenoyltrifluoroacetone and fluorined β-diketones for the determination of metal traces in waters by atomic absorption spectroscopy. 356948
Lejkin, Yu.A.
Investigation of ion exchangers with groups of aminoethylphosphonium acids and their derivatives. 378475

Lejkis, D.I.
Determination of kinetic parameters in the In-In^{3+} system on the base of impedance theory for multistage processes. 375579
Lejko, G.A.
Elementary processes of change of charge states of particles in collisions of He^{2+} ions with Xe atoms. (INIS-mf – 3915) 348632
Interaction of He^{2+} ions with hydrogen molecules. (INIS-mf – 3915) 348633
Production of He^{+} ions in different electron states in He^{2+} – He collisions. (INIS-mf – 3915) 348634
Lejkov, N.G.
Investigation into γ-quanta with the energy (>=) 40 MeV in the upper layers of the earth atmosphere. 357530
Periodic gamma radiation from the Cygnus X-3 discrete source. 364323
Lejpunskaya, D.I.
Determination of elemental composition of standard rocks by instrumental neutron activation method. 351919
Gamma-spectrometry method of phosphorus deterination in representative samples and boreholes. 349641
Instrumental neutron activation analysis of rocks of Pechenga suite. 354313
Investigation into the correlationship between uranium, thorium and phosphorites of the Udsko-Shantarskij basin. 357499
Neutron activation analysis data of admixture-elements in sulphides of tin-ore fields. 351924
On the question of precision and the correctness of instrumental neutron activation analysis of geological samples. (INIS-mf – 3994) 378103
Practical aspects of neutron activation analysis application in search and exploration of minerals in the USSR. 349654
Simulators of microelement composition of standard rocks for instrumental neutron activation analysis. 349175
Lekach, S.V.
Hydrodynamic model of two-phase pipe flow. (BNL-NUREG – 23105) 357903
Lekanov, L.P.
Studing sorption mechanism of indium and iron (3) ions on phosphoric-acid cationite KF-7. 378263
Lekareva, E.I.
Application of nuclear geophysics techniques in exploration of holes in the phosphorite fields of the Karatau. 357477
Lekhtmakher, S.O.
Evaluating error distribution in the uptake of radioisotopes in the respiratory system. 354854
Lekner, J.
Theory of surface excitations of liquid helium four. 364445
Leko, N.A.
Characteristics of small-sized scintillation detectors for neutron logging. 365257
Leksin, G.A.
Estimate of "young" pion interaction. (ITEP – 28) 359251
Leland, W.T.
Large-aperture discharges in E-beam sustained CO_2 amplifiers. (LA-UR – 77-2451) 371925
Lelek, V.
Cooperation with JINR in solving the inverse problem of scattering theory. 366946
Solution of the inverse problem for the case of Coulomb scattering. 353863
Leleux, P.
Measurement and MIA analysis of the neutron differential cross section and polarization in the α-D break-up at 33 MeV c.m. 354230
Neutron beam facility at the Louvain-la-Neuve isochronous cyclotron; cross sections for fast neutron production. 379484
Lelievre, G.
'Molecular' products in the radiolysis of vinyl monomers. 357142
Lellouche, G.S.
Application of the Bayes equation to predicting reactor system reliability. 362924
Leloup, C.
Equilibrium field and current determination for Tokamaks. (EUR-CEA-FC – 821) 353511
Estimation of energies necessary to control the plasma position inside a Tokamak (Torus II). (EUR-CEA-FC – 902) 353512
Technical aspects of a thermonuclear reactor with magnetic confinement. 353577
Leloup, J.
Room-temperature electron irradiation of n-type InP. 370180
Lelyukhina, Yu.L.
Alkylalumoxanes as cocatalysts of ethylene polymerization. 375513
Lemaire, J.F.
Interplanetary current sheets at 1 AU. 359061
LeMaire, J.L.
HOPI: on-line injection optimization program. (BNL – 50741) 379506
Measurement of the ion-mass effect on the central structure of Hsub(β) in a plasma produced by a combustion-driven shock tube. 374813
Lemaire, M.
Analysis of the $^{74}Ge(^{18}O,^{16}O)^{76}Ge$ and $^{76}Ge(^{16}O,^{18}O)^{74}Ge$ reactions in terms of exact finite-range coupled-channel Born approximation. 351296
Experimental evidence of multistep processes in the $^{74}Ge(^{18}O,^{16}O)^{76}Ge$ and $^{76}Ge(^{16}O,^{18}O)^{74}Ge$ reactions. 351336
Lemaire, M.C.
Researches with the tandem and the synchrotron. Chapter 1. (CEA-N – 1959) 354158
Lemaire, R.
Magnetization reorientation in $HoCo_2$. 365134
Spin reorientations in the rare earth – cobalt Laves phases. 378625
Lemaitre-Blaise, M.
Spectroscopic study of zirconia-yytria-neodymia (gadolinium oxide) solid solutions. 357347
Lemaitre, R.
Growth of tellurium monocrystals by hydrothermal process. 357210
Leman, A.
A study of nuclear power stations equipped with gas-cooled reactors. 379726
Leman, E.P.
Peculiarities of analysis of heterogeneous media using secondary radiation in beam geometry. 365279
X-ray radiometric exploration of mine opening in mercury fields. 351940
Lemann, Zh.
Study on lifetime of excited states and predissociation of iodine molecules using selective excitation. 361375
Lemanska, M.
A functional-integral equation associated with the Boltzmann equation for monoenergetic neutron transport slab geometry. (IA – 1338) 364607
Improvement of the Sn method by hermite integration. (INIS-mf – 4052) 374125
LeMay, C.A.G.
Improvements relating to tomography. (UK patent document 1478125/A/) 350371
Lemberg, I.Kh.
Lifetimes of ^{54}Mn excited states. 378027
Lifetimes of ^{64}Zn levels populated in the $^{51}V(^{16}O,p2n\gamma)$ reaction. 375147
The lifetimes of excited levels in ^{67}Zn, ^{69}Ge, and ^{72}Se. (ZfK – 336) 364792
Lifetimes of 4^+ and 6^+ quasi-rotational states of ^{64}Zn and their population effective time in the $^{51}V(^{16}O, p2n\gamma)^{64}Zn$ reaction. 378030
On the ^{68}Ge excited states. 375178
Quasi-rotational bands in ^{80}Kr. (ZfK – 336) 364769
Lemberg, V.K.
Effect of pentacyne on the dynamics of changes in the bone tissue and on the frequency of occurence of delayed effects in rats damaged by plutonium. 360307
Leme, D.G.
Measurements of optical absorption in natural CaF_2 crystals. 350750
Lemeilleur, F.
Operation of the CERN-ISR for high luminosity. 363222
Lemercier, G.
Development program and major test results for thermal insulation used in presence of sodium vapors and aerosols. (CONF-760503 – P2) 352767
LeMere, M.
Dineutron cluster states in ^{18}O. 356622
Resonating-group study of p + α scattering from 68 to 125 MeV. 351316
Lemieux, R.
Technetium-99m glucoheptonate in brain-tumor detection: an important advance in radiotracer techniques. 373667
Lemieux, R.U.
A procedure for preparing alkali metal hydrides. 359645
Lemke, H.
Kinematics for the scattering of spacelike momentum. 369307
Quantum mechanics of spin-1/2 tachyons. 369308
Lemmer, R.H.
The influence of spin-phonon-interactions on the phonon-self-energy in a magnetic crystal. (INIS-mf – 4148) 366309
Lemmon, R.M.
Nondestructive high temperature gas radiochromatography. 372861
Lemon, G.D.
Los Alamos Scientific Laboratory building cost index. (LA – 6995-MS) 367932
Lemonne, J.
Inclusive V^0 production in anti pp interactions at 12 GeV/c. 353939
A study of the reactions $K^-d \rightarrow K^-d$ and $K^-d \rightarrow K^-n(psub(s))$ at 4.5 GeV/c. 353954
Lemort, J.P.
Morphodynamical investigation of salivary glands with a data processing system. (INIS-mf – 4010) 367585
Lemperiere, G.
Langmuir probe measurements in the negative glow of a sputtering DC charge. 377236
Len, H.W. van der
Skin heating and confinement in a tokamak plasma. (INIS-mf – 3963) 371916
Len'el, V.I.
Use of the sigma-model for describing neutron-proton recharge. 364523
Lenaers, A.
Reliability of myocardial imaging with thallium-201 to visualize myocardial ischaemia in coronary artery disease. 354943
Lenahan, J.P.
Noise in 3-D imaging with large-area positron cameras. 379912
Three-dimensional imaging with large-area positron cameras. (LBL – 5501) 352120
Lencho, R.J.
The high-energy celestial X-ray instrument on board OSO-8. 374307

Lenda, A.
Geostatistical method of interpretation of nuclear well logs. 375974
Lendel, A.I.
Use of the sigma-model for describing neutron-proton recharge. 364523
Lendvai, E.
Weak asymmetries in $e^+e^- \rightarrow$Fanti F with polarized particles. 356443
Lener, J.
Investigation on the reaction of molybdenum with collagen in vivo. 356931
Lengel, R.K.
Multiphonon ionization: a method for characterizing molecular beams and beam reaction products. 371480
Lengeler, H.
Development of rf superconductivity at the nuclear research center Karlsruhe. (KFK-EXT – 3/76-5) 374997
Lengyel, L.L.
On pellet ablation in hot plasmas and the problem of magnetic shielding. (IPP – 4/160) 356132
Lenhardt, T.
Simulation of the effects of translational and vibrational energy on H and D atom reactions with HCl and DCl. 365004
Lenihan, J.
Public attitudes to nuclear energy. 360455
Public attitudes to nuclear energy: fact and fiction. 379274
Lenivkin, V.A.
Determination of the fields of controlled metal transfer in pulsed-arc welding with consumable electrodes. 349403
Lenk, J.
Experience with converter model 8215 by LABEN. (INIS-mf – 4143) 374296
Lenkait, K.
The resonance dechanneling of fast protons in silicon during the axial-to-planar channel transitions. (INIS-mf – 3995) 377168
Lennard, W.N.
Measurement of direct and 2p-vacancy transfer contributions to K-shell ionization cross sections. 353313
Na KK vacancy production in Na-Ne collisions. 363908
Lennartsson, W.
Low energy plasma observations at synchronous orbit. (TRITA-EPP – 77-22) 354720
On the role of magnetic mirroring in the auroral phenomena. 370303
Lennartz, R.
Frenkel pair recombination radius in copper as a function of temperature. 351896
Lennemann, W.L.
Criteria, standards and policies regarding decommissioning of nuclear facilities. 370543
Radioactive waste management – what you should know about. 358525
Lennertz, A.M.
Radiation chemical addition of dimethylformamide to α-olefins. (BMFT-FB-K – 77-03) 365051
Lennox, A.J.
Direct measurement of the π^- form factor. 372514
Lenoir-Rousseau, J.-J.
Study of the effect of microwaves on the tanning process in Tenebrio molitor L. 357587
Lensa, B.W.F. von
Development of an electron irradiation apparatus with high dose rate for large residual resistance and performance of an irradiation experiment on dilute copper alloys between 200 K and 450 K. (Juel – 1426) 353458
Lensa, W.
Radiation induced Be segregation in the alloy Cu/182 at ppm Be. 373358
Lenskij, O.D.
Study on some dynamic characteristics of a betatron-oscillation correction system in a cyclic accelerator. (INIS-mf – 3909) 374047
Lentges, G.
Description of the cryopumps and cryogenic ancillary equipment as proposed for JET. 358943
Refrigerator cooled 20 K cryopump with adsorption panels. 360620
Lentle, B.C.
Abnormal localisation of gallium-67 citrate in pseudohypertrophic muscular dystrophy. 360369
Lentz, G.L.
Operating experience with experimental breeder reactor-II (EBR-II). 379843
Leny, J.C.
Methods and problems of transferring nuclear technology. 352569
Lenz, A.
Method to separate radioactive impurities from baddeleyite. (German (F.R.) patent document 2554651/A/) 375631
Lenz, F.
Excitation of Δ-nuclear states in π-^{4}He scattering. 372622
Extended schematic model for pion-nucleus scattering. 356606
Lenz, O.
Methodological problems relative to the measurement of the density and width of growth rings by X-ray densitogrammes of wood. 365785
Lenz, U.
Clinical examinations of the human skin exposed to low-level irradiation. 354814
Lenzen, R.
Reflection of X-rays by neutron star surfaces. 369148
Lenzi, G.
Disposal of long-lived radioactive wastes in Italy. 358516
Leo, R.A.
On the distribution of zeros of the grand partition function for a gas of hard rods. 353108
Leo, W.R.
Lepton conservation and the double beta decay of ^{82}Se. 364801
Leon, J.
Parameter analysis of an electrostatic particle guide using radioactive recoil ions. 379979
Leon, M.
Measurement of the depolarization rate of positive muons in copper and aluminium. 358874
Leon, R.L.
Laser – ion coaxial beams spectrometer. 358760
Leonard, A.
The chromosomal radiosensitivity of lymphocytes from the chimpanzee (Pan troglodytes). 352039
Optimal pin enrichment distributions in boiling water reactor fuel bundles. 368113
The radiosensitivity of chromosomes of rabbit lymphocytes. 354743
Leonard, B.R. Jr.
Evaluation of temperature coefficients of reactivity for ^{233}U – thorium fueled HTGR lattices. Final report. (EPRI-NP – 222) 352697
Evaluations of fusion-fission (hybrid) concepts: transmutation of high-level actinide waste in hybrids. Part B. (EPRI-ER – 469(Pt.B)) 358962
TDHR-a Tokamak demonstraction hybrid reactor. 377377
Leonard, E.D.
The chromosomal radiosensitivity of lymphocytes from the chimpanzee (Pan troglodytes). 352039
The radiosensitivity of chromosomes of rabbit lymphocytes. 354743
Leonard, J.E.
Core spray and bottom flooding effectiveness in the BWR/6. Licensing topical report. (NEDO – 10801-A) 357765
Leonardi, R.
Isospin structure of the dipole giant resonance. 349115
M1 strength distribution in nuclei. 362003
Sum rules and mean excitation energies for longitudinal isoscalar electroexcitation of nuclei. 359420
Leonas, V.B.
Study on differential scattering of H and He atoms on H_2 and CH_4 molecules. (INIS-mf – 3915) 348704
Leonchuk, M.P.
Calculation of stresses and deformations in a cylindrical shell with imperfect initial shape and at the circumference nonuniform temperature. (FEI – 703) 374105
Thermomechanical behaviour of cylindrical fuel element under multiple loading. (FEI – 569) 350158
Leonenko, V.V.
Preparation of superconducting Nb films with high value of transition temperature by electron-beam evaporation. 369253
Leonhardt, G.
X-ray spectra and chemical bond. 371643
Leoni, F.
Light induced ionic polarization in Pb doped alkali halides. (INIS-mf – 4127) 363973
Leonov, A.I.
Preparation of solid solutions with electron conductivity on the base of zirconium dioxide. 349571
Leonov, A.V.
Heat capacity of lanthanum chromite at 80-300 K. 369616
Leonov, B.I.
Radiographic inspection of atomic power station units with the help of a microtron. 376274
Stereomicrotron. 365750
Leonov, E.I.
Photoluminescence of $Bi_{12}SiO_{20}$ monocrystals doped with neodymium. 374672
Leonov, E.S.
New methods for measuring neutron spectra with energy from 0.4 eV to 10 MeV by track and activation detectors. 363558
Leonov, G.N.
Black chromium coatings on different structural materials. 351706
Leonov, V.Kh.
The informativity enhancement of the instrumentation with radioactive radiation sources of high intensity. 349626
Leonov, V.M.
Photoluminescent properties and optical gain of CdS, CdSe monocrystals excited by electron beam. 348770
Leonov, V.V.
Studying thermal conductivity of malten oxides. 372997
Thermal conductivity of molten oxides. (INIS-mf – 4193) 378400
Leonova, E.V.
Identification and quantitative determination of gammaphos metabolites in mice urine. 360261
Leonova, T.G.
Kinetics and mechanism of cadmium formation with participation of ammonia-thiourea complexes of cadmium. 362193
Leonovich, B.I.
Thermodynamics of iron deoxidation by titanium in the presence of nitrogen. 375773
Leonowich, J.
Radioisotope sources for X-ray fluorescence analysis. 367873
Leont'ev, A.I.
On a mechanism of non-volatile impurity transfer while boiling on surfaces covered by a porous structure. 373999
Leont'ev, E.I.
Determination of oil and gas reservoirs by geophysical exploration methods. 375996

Leont'ev, G.G.
Continuous analysis of iodine, cesium, barium, strontium, yttrium and rare earths isotopes from water coolant of nuclear reactor. 356967
Leont'eva, G.A.
Change in the dibenzyldimethylammonium accumulation by irradiated Streptococcus cells caused by radiation damage modifiers. 367466
Ultrafast repair of single-strand DNA breaks in γ-irradiated Chinese hamster cells. 349710
Leontichuk, A.S.
Basic prerequisites and the practice of using deep water tables for burying liquid radioactive wastes. (ORNL-tr – 4390) 361128
Principal prerequisites and practice for using deep aquifers for disposal of liquid radioactive wastes. 368406
Leontiev, V.M.
J/psi particle production in π⁻-N interactions at 27 and 40 GeV/c. 369364
Lepacek, B.E.
Mechanical response of FFTF reference and P1 cladding tubes under transient heating. (CONF-770807 – 43) 366001
Lepage, G.P.
Analytic bound-state solutions in a relativistic two-body formalism with applications in muonium and positronium. 358775
Recent advances in bound state quantum electrodynamics. (SLAC-PUB – 1966) 376897
Lepekhin, F.G.
A study of inelastic pion-nucleus interactions at 200 GeV/c in an emulsion. 356481
Lepekhina, L.I.
Influence of residual austenite stability on the properties of maraging steels. 369914
Thermal cycling treatment of steel OKh13N and Okh13AN7. 375818
Lepeltier, V.
New limits for the exotic exchange reaction $\pi^-p \rightarrow K^+\Sigma^-$ at 5 and 8 GeV. 372515
Lepetit, J.
The use of chromosomic anomalies for the estimation of an accidental acute irradiation dose in man. 354802
Lepine, A.
^{16}O induced reactions on ^{116}Sn at 64 MeV. 356820
Lepine, J.R.D.
Detection of H_2O emission from galaxy NGC253. 364363
Lepine, M.
System planning at Electricite de France. 352523
Leppert, H.D.
Observation of spatial wave echoes at the lower hybrid mode. 353578
Lepping, R.P.
Magnetic field experiment for Voyagers 1 and 2. 374877
Lepple, F.K.
The continental component of a Pacific Marine aerosol. 375304
Lerario, A.C.
Preparation of radioinsulins for radioimmunoassay. (IEA – 472) 352171
Leray, J.P.
An acceleration evaluation of the performance of the Soviet-French wide-gap spark chamber for gamma-ray astronomy. 368266
Leray, N.
Pairwise trapping of radicals in γirradiated malonic acid single crystals. 365042
Lerch, P.
Model of organ dose combination. 355054
Lerch, R.E.
Chemical digestion of low level nuclear solid waste material. 358475
Division of Waste Management, Production, and Reprocessing programs progress report for January – December 1976. (HEDL-TME – 77-40) 366079, 366080
Treatment and immobilization of intermediate level radioactive wastes. (HEDL-SA – 1244) 363648
Volume reduction options for the management of low-level radioactive wastes. (HEDL-SA – 1235) 363642
Lerche, I.
Curious random counting statistics: theory, an actual flight experiment and possible applications for a suggested electrical circuit. 371096
A self-consistent model of a thermally balanced quiescent prominence in magnetostatic equilibrium in a uniform gravitational field. 353694
Lerche, R.A.
Evidence for profile steepening in laser-irradiated plasmas. 364240
Laser fusion ion temperatures determined by neutron time-of-flight techniques. 364219
Lerf, A.
The effect of high pressure on the nuclear quadrupole interaction at tantalum in 1T-TaS_2 and 2H-TaS_2. 377171
Lergon, H.G.
Ion energy distribution at the wall of a non-thermal plasma. 374833
Leribaux, H.R.
Equations of state for alkali metals near their critical points. (CONF-770537 – 4) 351732
Lerinman, R.M.
Electron microscopy study of thermomechnical deformation conditions effect on the structure of two-phase (α+β) titanium alloys. 349548
Lerke, G.
Method of automatic control of the radiation destruction of PVC. 373063
Lerke, I.
Increase of poly(vinyl chloride) stability towards ionizing radiation. Pt. 2. Effects of Epidian addition in PVC films. Pt. 3. Effects of the addition of ethylene glycol bis-β-aminocrotonate in PVC foils. 375718
Investigations on the radiation stability increase of poly (vinyl chloride). Pt. 1. Radiation yield of hydrogen chloride in pure poly (vinyl chlorides) irradiated by γ ^{60}Co. 354457
Method of automatic control of the radiation destruction of PVC. 373063
Radiation yield of hydrogen chloride in gamma-irradiated poly(vinyl chloride) stabilized by epoxy compounds. 357160
Lerner, D.E.
Twistors and induced representations of SU(2,2). 350524
Lerner, E.
The development of nuclear fusion, its demands on the economy: a rough draft concerning the changeover, as fast as possible, of the US industry to fusion energy. 366139
Lerner, S.R.
Bone scan artifact caused by hyperhidrosis: case report. 352081
Leroy, C.
Mesonic spectrum derived from the Weinberg sum rules. 377749
Tau-decay and second-class currents. 377750
Leroy, G.
Morphodynamical investigation of salivary glands with a data processing system. (INIS-mf – 4010) 367585
Leroy, V.
Fe-13Cr-Ti-Mo ferritic alloy as material for a fast reactor. 369950
Leroyer, Y.
Model-independent analysis of the reaction $\pi^+p \rightarrow \pi^+\pi^-\Delta^{++}$. 369369
Les'kin, I.V.
The results of using temporary neutron-gamma logging data for estimating the saturation of inhomogeneous sand-clayish Miocenic deposits of Predkarpatje. 378829
Lesage, A.
Stark broadening of singly ionized silicon. 364220
LeSage, L.G.
Experimental studies of GCFR safety physics parameters in the ZPR-9 critical assemblies. (CONF-761001 – P2) 362867
Lesauskas, A.
Galvano-magneto-recombination effects in ion-bombarded surface layers of solids. 370181
Lesch, M.
Scintigraphic demonstration of acute myocardial infarcts. 379145
Lesch, R.
Radiation sensitivity and the acute and chronical radiation injury of the liver. 354815
Leschiutta, S.
Verifying the gravitational shift due to the earth's rotation. 353045
Leseur, A.
Equipment for the ventilation of shielded cells used in studying the reprocessing of fuels with a very high iodine-131 content. 360675
Lesh, J.R.
A new temperature scale for B stars based on OAO-2 data. 369149
Leshchenko, N.E.
Electric explosion producing ohmic contacts on wide-zone semiconductors of A^2B^6 group. 364950
Leshchenko, S.S.
Features of radiation chemical processes in ethylene-styrene copolymers. 354438
Infrared and ultraviolet spectroscopic studies of low-temperature radiolysis of ethylene – styrene copolymers. 369795
Investigation of free-radical processes in low temperature radiolysis of copolymers of ethylene with styrene. 357164
On mechanism of protective action of styrene links in gamma-irradiated copolymers of ethylene with styrene. 349356
Leshchinskij, A.G.
Device for slow switching in and off the high-voltage power supply. 376681
Leskovar, B.
Microchannel plates. 371119
Performance studies of varian VPM-154D.6D VPM-154A/1.6L static crossed field photomultipliers. (LBL – 6480) 363619
Leskovec, R.A.
CWRU multiwire proportional counter readout system. 368275
Leskovjan, L.L.
Successful implementation of a project plan to obtain an operating license. 358569
Leslie, B.C.
Post-test examination of a 30-MW sodium-to-sodium intermediate heat exchanger. (CONF-760503 – P2) 352747
Leslie, J.C.
Advance prediction of neutron activation analysis spectra and detection limits. 378114
Leslie, J.R.
Partial widths and gamma-ray decay of the 2883- and 5037-keV levels in ^{41}Sc. 351383
Leslie, S.G.
Excitation of highly excited states by collisions between two excited cesium atoms. 366352
Lesnaya, M.I.
The effect of transition metals additions on the temperature coefficient of linear expansion of titanium and vanadium. 359952
Lesniak, H.
Multipion production with simultaneous excitation of discrete nuclear levels. 356444

Lesniak, L.
Multipion production with simultaneous excitation of discrete nuclear levels. 356444
Lesnik, H.
The incorporationof ^{35}S in the hypophysis and some brain structures following intracisternal ^{35}S-cystine administration in hydrated and dehydrated rats. 354843
Lesny, J.
The sub- and super-equivalence method of isotope dilution analysis. 372883
Lesnyakov, G.G.
On the solution of the vacuum problem for thermonuclear systems. 368939
To the solution of vacuum problem in thermonuclear facilities by cryogenic methods. (INIS-mf – 3954) 361527
Lespiaucq, P.G.
In-service – pressure test of the primary circuit of the Chooz nuclear power plant. (INIS-mf – 3968) 371274
Lessard, L.
Independent yields of indium and gallium in the proton induced fission of natural uranium. 359469
Lessel, T.
Experience with a sewage sludge radiation plant. (INIS-mf – 4220) 379414
Lessem, J.N.
Clinical analysis of myocardial scintigraphy with ^{99}Tcsup(m)-pyrophosphate. 354944
Lessor, D.L.
Projected range calculations of radionuclide product ejection from metal surfaces by 14.8-MeV neutrons. 358776
Lester, E.P.
Inhibition of human lymphocyte transformation by human alpha-foetoprotein (HAFP): studies on the mode of HAFP action and the role of HAFP polymorphism. 376155
Lester, J.B.
High dispersion spectroscopic observations of HD153919 (3U 1700-37). (CONF-7510169 –) 364313
Lester, R.
Waste management and proliferation: an assessment of technologies and policies relevant to nuclear power. Final report, June 1975 – March 1977. (BNL – 50694) 366069
Lester, W.
Standardization and its importance to developing a nuclear power program. 352570
Lester, W.A. Jr.
Nonadiabatic effects in the collision of F(^{2}P) with H_2($^1\Sigma$/sub g/$^+$). III. Scattering theory and coupled-channel computations. 358811
Leszczynski, W.
Investigation of phase transformations in /$Cd(NH_3)_6$/$(BF_4)_2$ and /$Cd(NH_3)_6$/$(SO_3F)_2$ complexes. 377266
Letelier, P.S.
Gauge-invariant theory of direct interaction between membranes. 359287
Letessier, J.
'On-line' spectroscopic study of energy states of ^{187}Au: interpretation in terms of triaxial nuclear deformations. 377981
Leth Nielsen, B.
External radiation exposure associated with uranium/thorium mineralization on the Kvanefjeld Plateau, Greenland. (RISO-M – 1989) 373890
Lethbridge, W.J.
Device for ultrasonic inspection of welds. (German (F.R.) patent document 1648637/C/) 376393
Lethuillier, P.
Crystal field and physical properties of RX_3 compounds. 378672
Letissier, R.
Water cooling in nuclear reactors by using panels of integrated circuits. 370817
Letokhov, V.S.
The application of a high pulse repetition rate CO_2 laser with high average power for isotope separation by molecular dissociation in a strong IR field. 355067
Experimental selection of molecules for isotope separation by multiple-photon dissociation in an intense IR field. 364935
Isotope separation in high-intensity IR laser field. 362226
Isotope-selective dissociation of the OsO_4 molecule by two pulses of infrared radiation at different frequencies. 359582
Laser opticoacoustic method for measurement of relative content of isotopes in molecules. 349164
Laser separation of isotopes. 364970
Mass-spectrometer with selective stepped photoionization of molecules by laser radiation. 376673
Possibility of discharge of metastable nuclei during negative muon capture. 368656
Principles of laser isotope separation. 354350
Spectrum of the nuclear γ-transitions in a symmetric polyatomic molecule. 377067
Study on excitation of vibrational levels of osmium tetroxide molecule by the continuous CO_2 laser radiation. 368663
LeTourneux, J.
Simple cure to the breakdown of constrained Hartree-Fock. 359401
Lettnin, H.
Nuclear ships: engineering a future transport system. 379849
Letyuk, L.M.
On lithium ferrite interaction with V_2O_5. 349565
Letz, K.
Release and detection of fission products from defective fuel pins. 355332
Leu, P.
Measured angular distributions of proton compton scattering at photon laboratory energies of 700, 750 and 800 MeV. (BONN-HE – 77-17) 364583
Leuchs, U.
The virial-coefficient isotope effect of HCl. (AED-Conf – 77-163-007) 351521
Leun, C. van der
Research with the 4 MV accelerator, ch. 2. (INIS-mf – 3629) 362056
Leung, C.
Isotope effects in electron impact desorption of CO and O_2 adsorbed on the (110) plane of tungsten. 353459
Leung, D.
Equilibrium charge-state fractions for 2.7-31 keV deuterium atoms and ions in strontium vapor. 366321
Leung, D.C.T.
Effects of equilibrium xenon in multi-dimensional reactor core optimization. 360772
Leung, J.C.M.
Occurrence of critical heat flux during blowdown with flow reversal. (ANL – 77-4) 360456
Leung, M.K.
The reaction ^{7}Li(e,^{3}H)^{4}He,e' between 6 and 15 MeV. 356821
Leung, S.
Photon emission from rare gas ion bombardment of metal surfaces. 353433
Leung, T.K.
Analysis of the methods available for the removal of sodium from corrosion test samples. (CONF-760503 – P2) 352719
Leupold, H.A.
Low-temperature specific heat anomalies in the group V transition metals. 367258
Leurs, C.J.
Chemical aspects of the radioactive decay ^{38}S to ^{38}Cl. (INIS-mf – 4223) 378476
Leushacke, D.F.
Irradiation creep of two reactor-grade graphites measured continuously between 850 and 1100°C. 370170
Leushina, A.P.
Investigation and perspectives of use of new solid electrolytes. (INIS-mf – 4189) 375503
Leuterer, F.
Lower hybrid heating in a mirror plasma. (INIS-mf – 3963) 371813
On sawtooth oscillations and MHD modes in the W VII A stellarator. (INIS-mf – 3963) 371780
Leutskij, K.M.
Activity of retinene palmitasynthetase and retinene palmitatehydrolase in the small intestine mucosa and membranes of its cells in white rats affected by A-avitaminosis and irradiation. 360262
On the relation of vitamin A to the protein biosynthesis in the organism of intact animals and during the action of ionizing radiation. 365392
Leutwyler, H.
Covariant quantum mechanics on a null plane. (IPNO-PhN – 77-20) 361291
Harmonic confinement: a fully relativistic approximation to the meson spectrum. 372455
Leutwyler, S.
Multiphoton ionization: mass selective laser-spectroscopy of Na_2 and K_2 in molecular beams. 371492
Leuven, P. van
Flow lines of rotating light nuclei. (ZfK – 336) 364716
Quantum flow and nuclear rotation. 372587
Theoretical study of light nuclei. (INIS-mf – 4267) 377856
Lev, A.
Valence – doorway model for radiative capture. 359419
Lev, E.Ya.
Kinetic effects in rhombohedral and cubic phases in GeTe-A^3Te solid solutions. 368750
Levai, A.
Some development problems with nuclear power plants in connection with optimal nuclear fuel utilization. 376798
Levaillant, C.
The use of ionizing radiations in the treatment of liquid and solid waste; biological and physico-chemical effects and industrial study. (INIS-mf – 4220) 379408
Levallet, H.
A closed fuel cycle. Rapsodie. 368221
Levanon, H.
Spectrophotometric study of the radicals produced by the reduction of syn- and anti-azobenzene. 378537
Levashev, V.P.
Integral equations for four nucleons. (ITF – 75-106E) 362002
Levashov, Yu.A.
Device for control of heavy charged particle range before the irradiation object. (Soviet patent document 420298/A/) 352398
Levchenko, G.V.
Cerium chloride-ethanol amine chloride-water system at 50 and 25 deg C. 375473
Cerium chloride-muriatic triethanolamine-water system. 378301
Levchenko, I.S.
Quantum interference on Nb and Nb_3Sn superconducting bride-type contacts. 377685
Levchenko, N.M.
Heat transfer in helium-1. 360597
Levchenko, V.F.
Light yield of CsJ(Tl) thin-film detectors. 371120
Small-size source of labelled alpha particles. 370682
Levchenko, Yu.D.
Averaged characteristics of an air turbulent flow in the entrance

region of a circular tube. (FEI – 599) 349981
Coordinate device for moving a primary measuring transducer in a liquid flow. (FEI – 587) 352394
Hydrodynamics of the turbulent flow of a liquid in the entrance region of a circular tube. (FEI – 650) 349975
Hydrodynamics of turbulent liquid flow in the entrance region of circular tubes. (FEI – 598) 352371
New formula for velocity profile in turbulent liquid flow in circular tubes. (FEI – 561) 349984

Levchishina, T.F.
Influence of second-sphere cation on absolute intensity of valence vibration bands in infrared spectra of fluoride complexes. 349288

Levchuk, V.V.
Corundum crucibles for aluminium evaporation in vacuum. 351832

Levdik, V.A.
High-temperature chamber for polycrystal studies with neutron radiography. 350358

Leveille, J.
Technetium-99m glucoheptonate in brain-tumor detection: an important advance in radiotracer techniques. 373667

Levenberg, L.I.
Effective use of radiation field in the mass inspection of hollow cylindrical articles. 357889
Improvement of X-ray radiography of crankshaft inserts. 363088

Levenson, L.L.
Final-state effects in carbon Auger spectra of transition-metal carbides. 360031
Molecular beam study of the nucleation of water on gold. 368734

Levenson, M.
Relative capital cost of the LMFBR. 371034
Status of fission power. 352571

Levental, M.
Paradoxal sleep deprivation: Effect on incorporation of (^{35}S) sulphate into rat brain acid mucopolysaccharides. (INIS-mf – 3939) 357625

Levental', G.B.
Complex study on a base-load MHD power station of open cycle. 349042
TVEh-2500 installation (thermonuclear power plant with a tokamak type reactor and MHD system for energy conversion). (INIS-mf – 3954) 361640

Leventhal, J.J.
Cd II excitation in slow He^+-Cd and He^+_2-Cd collisions. 350670
Dynamic model for vibronic excitation in low energy atom-molecule collisions. 353281
Observation of luminescent spectra in low energy ion-neutral collisions. Progress report, June 1, 1976 – May 31, 1978. (COO – 2718-5) 377068

Leventhal, L.
Environmental radioactivity from hospitals. 378889

Lever, W.E.
Mathematics and Statistics Research Department progress report for period ending June 30, 1977. (ORNL/CSD – 27) 358598

Leverett, C.L.
Irradiation injury to the ureter and surgical tolerance. An experimental study. 360254

LeVert, F.E.
Development of a directional gamma ray detector for in-core fuel motion monitoring. (CONF-771023 – 24) 379547

Levert, J.M.
Solvent extraction with thiothenoyltrifluoroacetone and fluorined β-diketones for the determination of metal traces in waters by atomic absorption spectroscopy. 356948

Levi, C.
Researches with the tandem and the synchrotron. Chapter 1. (CEA-N – 1959) 354227

Levi, Emilio
A comparative study of transfer factors of water, iodine and strontium on rye-grass and clover. Development of a model of evaluation of the limits of foliar contamination by wet deposit. (CEA-R – 4860) 360299

Levi, H.W.
Evaluation of products for the solidification of high-level radioactive waste from commercial reprocessing in the Federal Republic of Germany. 358481

Levich, E.
Bosonization and renormalization group treatment of quantum Heisenberg model. (WIS-Ph – 77/22) 366266
Renormalization group treatment of quantum Heisenberg model. (WIS-Ph – 77/17) 366267

Levin, A.
Study for the air flow pattern in large fresh fruit storage rooms. (IA – 1338) 365482

Levin, A.Ya.
Relation between coefficients of dynamic viscocity of heavy and fresh water in a liquid phase. 375936

Levin, B.M.
On annihilation of positrons in gaseous neon. 369749

Levin, D.
A discrete basis set approach to electron-molecule scattering. 358784

Levin, D.A.
Discrete-basis-set approach to the minimum-variance method in electron scattering. 350641

Levin, E.
The exchange of rho-mesons in π-d and π-^{4}He elastic scattering. 369436

Levin, F.S.
Channel-coupling theory of covalent bonding in H_2: A further application of arrangement-channel quantum mechanics. 358777
Comparison of the channel coupling array and CRC methods for a realistic nuclear transfer-reaction model. 361982
Effects of bound-state approximations on distorted-wave Born approximation and multistep processes in the channel-coupling-array theory. 359415

Levin, I.
A process for the bituminization of radioactive wastes. (NRCN – 413) 374401

Levin, L.A.
Induction-heated oven for laser spectroscopy of atomic uranium. 366334
Suppression of unwanted lasing in laser isotope separation. 363061

Levin, L.I.
EPR investigation of ferroelectric phase transformation in lead germanate activated with trivalent gadolinium. (INIS-mf – 3955) 377286

Levin, L.S.
Fast ion production in a tokamak plasma in the lower hybrid heating experiments. (INIS-mf – 3963) 371867

Levin, P.
Advances in light water hybrid reactors (LWHR). (INIS-mf – 4052) 374246
Development of shield optimization methods. (IA – 1338) 364604
Natural-uranium light-water hybrid breeding reactors. (IA – 1338) 365794

Levin, R.
^{210}Pb content of rainfall in the Shephela (Israel coastal plain). (NRCN(TN) – 011) 373446
Determination of the uranium content of phosphate rocks. (NRCN – 433) 372894
ESR of impurity as a probe for the host exchange interaction in Tm Van-Vleck compounds. 378760
Potentiometric determination of the tungsten content of tantalum-tungsten alloys with chromium II. (NRCN – 436) 372858
Relaxation phenomena and host exchange parameters in Tm van Vleck compounds. 350791

Levin, R.M.
Direct radioimmunoassay for estriol-16-glucuronide in urine for monitoring pregnancy and induction of ovulation. 362776

Levin, S.
Important event-tree and fault-tree considerations in the reactor safety study. 357795

Levin, S.A.
Enrichment supply and technology outside the United States. 363063
New processes for uranium isotope separation. 367854

Levin, S.R.
Research on new agents for the scintigraphy of the pancreas. (INIS-mf – 4010) 369766

Levin, V.G.
On the study of the double Fourier transforms of the electron wave functions for atoms, molecules, and solids using the (γ,2e) and (e,3e) processes at high energies. 353317, 366360

Levin, V.I.
Method for separation of terbium and europium. (Soviet patent document 443579/A/) 373022
Preparation of carrier-free terbium-155. 370670

Levin, V.L.
Heritability of uv-sensitivity and photo-reactivation ability in Drosophila embryos. 373555

Levine, D.L.
Safety analysis report for packaging: the ORNL gas-cylinder fire and impact shield. (ORNL/ENG/TM – 5) 367945
Safety analysis report for packaging: the ORNL tungsten-shielded cask. (ORNL/ENG/TM – 3) 363122

Levine, H.S.
Conversion of waste Zircaloy hulls to zirconate ion exchange materials for waste stabilization. 368373

Levine, J.S.
Gas laser. (German (F.R.) patent document 2365909/A/) 366342
Observations of a double-layer in a hot-cathode discharge. 377471

Levine, M.A.
Use of a hot sheath Tormac for advance fuels. (EPRI-ER – 536-SR) 371926

LeVine, M.J.
Determination of the static quadrupole moment of the 1.98-MeV 2^+ state in ^{18}O. 351349
Energy dependence of ^{32}S + ^{24}Mg fusion cross sections. (ANL – 77-60) 378023

Levine, N.M.
Filtration aids in uranium ore processing. 362331

Levine, R.D.
Thermodynamic approach to collision processes. 363905

Levine, R.H.
Evolution of photospheric magnetic field patterns during Skylab. 366721
Open magnetic fields in active regions. 372282
Open magnetic structures on the sun. 351042

Levine, S.
The Rasmussen report. A retrospective and prospective view. 370587
Reactor safety. 373839

Levine, S.H.
Fuel management teaching experience: successes and problems. 352932

Levins, D.M.
β-scintillation monitor for krypton-85 at high pressures. 363577

Levinsen, M.T.
Inverse ac Josephson effect voltage standard. 367920

Nonresonant detection of Josephson radiation from thin-film microbridges. 374015
Levinskaya, M.Kh.
Nickel hardened with zirconium dioxide and yttrium oxide. 349518
Structure and properties of a nickel-chromium dispersion hardened alloy. 375812
Levinson, A.A.
Hydrogen – a reducing agent in some uranium deposits. 360149
Levinson, C.
Thallium-201 myocardial imaging. 360379
Levinson, J.
Studies of band structure, excitonic processes and trap distributions in molecular crystals. (INIS-mf – 4127) 364072
Levintov, I.I.
On a possibility of polarized ion beam production. 363282
Levit, N.
Automatic analysis of GCS for radiopharmaceutical quality control. (INIS-mf – 4010) 369569
Levit, S.
Focal points and the phase of the semi-classical propagator. (WIS-Ph – 77/23) 366281
Semi-classical approximation to path integrals – phases and catastrophes. (WIS-Ph – 77/43) 366280
Levitin, R.Z.
Magnetic anisotropy of yttrium-samarium ferrite garnets. 374729
Magnetization anomalies in yttrium-erbium and yttrium-holmium ferrite garnets in strong fields at low temperatures. 377180
Magnetostriction of yttrium-samarium monocrystalline ferrite garnet. 377221
Nature of the magnetic susceptibility of dysprosium. Paramagnetic susceptibility of dysprosium – yttrium alloys. 368764
Nuclear magnetic resonance investigation of spin reorientation phase transitions in Yttrium-Terbium ferrite garnets. 355962
Levitman, M.Kh.
On different protection of DNA against various types of radiation injuries. 378965
Permeability changes and incorporation of labelled thymidine into DNA and whole cells of the fibroblast culture of Chinese hamsters affected by MEA and low temperature. 378959
Radioprotective action of chlorides of alkaline metals on DNA. 376062
Levitskaya, G.D.
Reduction of lanthanides on mercury dropping electrode. 349254
Levitskij, M.O.
Fatigue cracking rate in some high-alloyed martensitic stainless steels. 378673
Levitskij, M.S.
Topological cross sections of np-interactions in the monochromatic neutron pulse range from 1 to 5 GeV/c. (JINR – 1-8565) 356475
Levitskij, S.M.
Energy loss and appearance of the distribution function of an electron beam interacted with plasma in dependence on the beam axis distance. 353579
Levitskij, V.A.
Investigation into thermodynamic stability of $AlWO_4$ and reaction between Al_2O_3 and WO_2 at higher temperatures. 369660
Levitskij, V.Ya.
Radioisotope devices at Novo-Krivorozhskij-ore-enrichment plant. 349954
Levitt, L.
Applications of the probability table method to practical problems. (UCRL – 79759) 364628
Levitt, S.H.
Physical aspects of electron-beam arc therapy. 363076
Levitz, N.M.
Management of waste cladding hulls. Part II. An assessment of zirconium pyrophoricity and recommendations for handling waste hulls. (ANL – 77-63) 378559
Levkin, L.V.
On the structure of an active complex in $POCl_3$-$SnCl_4$-Nd^{3+}. 368669
Spectral-luminescent characteristics of Nd^{3+} in the $LaCl_3$-$NdCl_3$ system. (INIS-mf – 3955) 362169
Spectral-luminescent investigations of MeCl-$AlCl_3$-$NdCl_3$ systems (M = K, Cs). (INIS-mf – 3955) 362377
Levkina, N.I.
Investigation of interaction of zirconium and hafnium with o,o'-dihydroxyazo compounds. 359595
Levon, A.I.
g-factors of the 2679 keV, 21/2sup(+) sup(107)Cd and 2737 keV, 27/2sup(+) sup(135)La three quasi-particle states. 378031
Levot, R.
A radiation grafting technique for the immobilization of enzymes and the heterogenizing of catalytically active homogeneous metal complexes. 369775
Levshin, L.V.
Investigation into interaction of CO_2 molecules with zeolites by infrared spectroscopy. 349225
Study of active centers of alkaline earth zeolites of type Y by infrared spectroscopy. 375504
Levy, A.
Radioimmunoassay for lutenizing hormone. (IA – 1338) 365495
Levy, D.
The three-component dual Deck model, factorization and double diffractive dissociation. 356402
Levy, F.
Boson spin tests from sequential decays: spin-parity analysis of the F_1 meson. 377814
Levy, G.S.
Radio science investigations with Voyager. 374902
Levy, H.B.
Movement of radioactivity deposited underground at the U.S. ERDA Nevada Test Site. (UCRL – 78670) 349617, 352869
Levy, J.H.
The structures of fluorides. 359743
Levy, M.
Electrochemical behavior of some binary and polynary uranium alloys. 373109
Ginzburg – Landau parameters for a vanadium single crystal having a resistivity ratio of 7.8. 373160
Levy, P.W.
New thermoluminescence techniques for mineral exploration. 375997
Levy, R.H.
Isotope separation with improved selective ionization. 357855
Multiple particle type interaction isotopically selective ionization. 363058
Research and development prospects for the atomic uranium laser isotope separation process. Research report 442. (CONF-761109 – 13) 357854
Suppression of unwanted lasing in laser isotope separation. 363061
Levy, S.G.
Spectroscopic binary HR 1300. 361655
Levy, Y.
Fission- and alpha-track study of biogeochemistry of plutonium and uranium in carbonates of Bikini and Enewetak atolls. Summary report, 1 July 1974 – 31 August 1977. (COO – 3462-14) 379135
LevyLeblond, J.M.
On the conceptual nature of the physical constants. 361292
Lewak, G.J.
Dynamics of four coupled plasma waves to second order. 369003
Lewallen, M.A.
Epithermal 1/V self-shielding using the Nordheim Integral Treatment. 359355
Lewandowski, W.
EPR spectra and alive fungi cells radioresistance. 378999
Lewczuk, J.
A nuclear power station with a WWER-440 reactor. 374215
Lewe, C.K.
Transfer of nuclear power technology – a practical approach. 358143
Transfer of nuclear power technology: a practical approach. 352468
Lewellen, T.K.
Field procedure for quantitative assessment of gamma cameras. 379911
Lewerentz, U.
Light wave conductor as a medium of modern image transmission. 365767
Lewerenz, H.J.
Plasma resonance absorption in interfacial photoemission from very thin silver films on Cu(111). 361469
Lewey, S.
Process for separation of the rare earths by solvent extraction. (US patent document 4,016,237/A/) 372896
Lewin, C.
Inclusive production of charged pions in K^-p interactions at 32 GeV/c. 353960
Lewin, M.I.
Equipment for the measurement of non-electrical parameters. (German (F.R.) patent document 2059115/B/) 371170
Lewin, N.
Isotope-labelled folic acid derivatives. (German (F.R.) patent document 2605387/A/) 367148
Lewin, R.A.
Polonium and plutonium in an intertidal food chain. 357628
Lewin, W.H.G.
Dual character of the rapid burster and a classification of X-ray bursts. 374917
Observations of Cygnus X-3 from a balloon-borne x-ray telescope. (CONF-7510169 –) 364396
X-ray burst sources. 359116
Lewis, D.
Operation of the CERN-ISR for high luminosity. 363222
Lewis, D.M.
Experimental determination of total scattering cross sections for positron-helium collisions. 348654
Lewis, E.E.
Comparison of constrained finite elements and response matrices as one-dimensional transport approximations. 352436
Conjugate gradient solutions to the discrete ordinates equations. 359356
Inclusion of buckling approximations in finite element neutron transport methods. 360773
Nuclear power reactor safety. 379275
Progress in multidimensional neutron transport computation. 374126
Reactor safety education at Northwestern Univeristy. 379276
Lewis, G.
Specific problems and practical experience of regulatory inspection during commissioning in the United Kingdom. (INIS-mf – 3967) 380107
Lewis, G.K.
A simple magnifier-rotator for enhanced visualization of nuclear medicine images. 361069
Lewis, G.M.
Evidence for a narrow width boson of mass 2.95 GeV. 372519
Inclusive anti K^{*0} (890) production in π^-p interactions at 16 GeV/c. 356507
Observation of the reactions $\pi^-p \rightarrow$ anti pd at 10 and 16 GeV/c.

372520
Production of phi and f' in 10 GeV/c K⁻p interactions. 353959
Lewis, H.D.
Oxidation behavior of (U,Pu)C fuel materials in air-inert gas mixtures containing 400 ppm to 20% oxygen. (LA-UR – 77-1440) 351668
Lewis, H.H.
Summary of conclusions and major recommendations: Study Group on Light Water Reactor Safety. 362973
Lewis, H.R.
Finite-gyroradius effects in screw pinches. (LA-UR – 77-1050) 358973, 371927
Stability of BGK equilibria. (INIS-mf – 3963) 372052
Lewis, J.
UK looks at geological and ocean disposal. 376764
Lewis, J.B.
The treatment and disposal of liquid waste in the nuclear power industry. 371205
Lewis, J.E.
Effects of enhanced diffusion on preferrred sputtering of homogeneous alloy surfaces. 368800
Lewis, J.P.
Radiometric assay of tyrosine hydroxylase and tryptophan hydroxylase by Kalignost extraction procedures. 364857
Lewis, L.
Results of the ALARA Program at the Oconee Nuclear Station. 357829
Lewis, L.C.
Process for the disposal of alkali metals. (US patent document 4,032,614/A/) 374437
Lewis, M.J.
The uptake and overflow of radiolabelled β-adrenoceptor blocking agents by the isolated vas deferens of the rat. 349809
Lewis, N.F.
Enhancement of refrigerated storage of Elasmobranchs by gamma irradiation. 349826
Radiation preservation of Bombay duck (Harpodon nehereus) laminates. 376170
Radiation processing of Bombay duck (Harpodon nehereus). 349824
Use of gamma radiation in preparation of Salmonella vaccine. 352145
Lewis, P.E.
Estimation of microbial nitrogen compounds entering the ruminant duodenum using different reference components including a ^{32}P label. 354904
Lewis, R.S.
Noble gases in the Allende and Abee meteorites and a gas-rich mineral fraction: investigation by stepwise heating. 369203
Primordial noble gases in chondrites: the abundance pattern was established in the solar nebula. 377586
Lewis, S.M.
Development and advances in diagnostic methods: a review of I CSH activities. 370482
Lewis, T.A.
Calculations pertaining to the design of a prebuncher for a 150-MeV electron linear accelerator. (ORNL/TM – 5419) 365735
Lewis, W.B.
International arrangements for nuclear fuel reprocessing. 373119, 373121, 373126, 374438, 374490, 374493, 374501, 374507, 374511, 374512, 375736, 375740, 375741, 375742, 375751, 375752
Storing radioactive wastes in cooled pebbles. 374438
Lewitowicz, J.
Ball bearings investigation by isotopic method. 367039
Lewitus, Z.
Alternating kinetics of the intrathyroidal iodine uptake. (INIS-mf – 4010) 370444
Leydig, R.L.
Microprocessor: controlled inhalation exposure system. (LF – 56) 365713
Leyko, W.
E.s.r. radiation studies of erythrocyte membrane-haemoglobin interaction. 351995
Lezenik, B.
Arguments for the installation of small LWR nuclear power plants in developing countries. 370884
Lezenne Coulander, P.A. de
Optimization of the microwave-induced plasma as an element-selective detector for non-metals. 354286
Lezhenin, F.F.
The investigation of boron oxide heat conductivity. 360019
Lezinskaya, E.Ya.
Controlling the grain size in hot deformed pipes of stable austenite steel. 349488
Lhagvasuren, D.
Long-term averaged abundances of VVH cosmic ray nuclei from studies of olivines from Marjalahti meteorite. 374946
Lhiaubet, G.
Fission product release and plateout in HTGRs. 370972
Lhuillier, D.
Influence of spin on second sound in superfluid ^3He-^4He mixtures. 359205
Li Gen Su
Production of neutron-deficient isotopes of Fr and Rn while irradiating Ir by Ne ions. (JINR – 7-9566) 351377
Li Van Sun
Fast 32-channel hodoscope unit of the gate with a memory and data transmission to the CAMAC dataway. (JINR – 10-9583) 355606
32-channel fast hodoscopic gate circuit with a memory and data output on a CAMAC dataway. 371154
Li, A.P.
A fluence response study of lethality and mutagenicity of white, black, and blue fluorescent light, sunlamp, and sunlight irradiation in Chinese hamster ovary cells. 373482
Li, C.Y.
Load relaxation studies of zircaloy-4. (COO – 2172-16) 373206
Work hardening correlation for monotonic loading based on state variables. (COO – 2172-19) 373207
Li, F.
Observations of X-ray eclipses from LMC X-4. 366722
Positions of galactic X-ray sources: $320^0 < lsup(II) < 340^0$. 369019
Li, G.C.
Polarized electrons and the origin of optical activity. 371465
Li, H.Y.H.
Confirmation of CANDU shutdown system design and performance during commissioning. (AECL – 5914) 363476
Li, I.S.
Magnetic hypersusceptibility of atoms. 350558
Li, L.
Comments on a V – A theory of muon-number nonconservation. 372384
Muon-number-nonconservation effects in a gauge theory with V + A currents and heavy neutral leptons. 372383
Li, S.P.
Effect of oxidation-expanded defects upon MOS parameters. 367343
Li, T.K.
Decay studies of Ag, Cd, and In fission products with new in-beam ion source. (BNL-NCS – 22500) 356783
Li, Y.H.
The flux of ^{226}Ra from estuarine and continental shelf sediments. 378896
Transport and transfer rates in the waters of the continental shelf. Annual report. (COO – 2185-19) 372838
Liang, E.P.T.
Galaxies and entropy from nonlinear fluctuations: a simple wave analysis. 351043
Liang, J.M.
Determination of plasma Z-pinch effect by intrinsic stimulated emission. 366588
Liao, G.S.
Analysis of drain pumping system for nuclear power plants under transient turbine loads. 358069
Liao, K.C.
Fault structures in rare earth – cobalt intermetallics. 362369
Liao, P.F.H.
Deflection of atomic beams with isotope separation by optical resonance radiation using stimulated emission and the ac stark effect. (US patent document 4,047,026/A/) 373916
Liaw, K.Y.
Thyroid cancer after irradiation. 352045
Libardi, P.L.
Spatial variability of physical properties of tropical soil. (CENA-BT – 004) 354672
Spatial variability of physical properties of a tropical soil. (CENA-BT – 005) 357494
Libby, L.M.
Primaeval melting of the moon. 364398
Libby, R.A.
Source efficiency calculations for ^{137}Cs irradiators. (BNWL – 2064) 379395
Libby, W.F.
Primaeval melting of the moon. 364398
Libenson, B.N.
Study of plasmon excitation at oblique incidence of intermediate energy primary electron beam in reflection experiments. 374686
Liberace, R.
Performance characteristics of selected integrating ion chambers. 355548
Liberman, A.D.
A measurement of the electromagnetic size of the pion from direct elastic pion scattering data at 50 GeV/c. 353922
Liberman, A.L.
On transformations of gem-dimethylcyclopentane and gem-dimethylcyclohexane on the 8th group noble metals. 378224
Liberman, B.
Weak magnetic field limit of electromagnetic and electrostatic waves. 364199
Liberman, D.A.
Self-consistent field model for condensed matter. (LA-UR – 77-1595) 362424
Short-range part of the nuclear force. 372456
Liberman, I.
Alignment system for large high-power CO_2 laser fusion systems. (LA-UR – 77-1923) 364169
Liberman, S.
Frontiers in laser spectroscopy. 354350
Liberov, L.G.
Disproportionation of olefins on alumomolybdenum and alumorhenium catalysts, promoted by tetraalkyl of tin derivatives. 349218
Libert-Heinemann, M.
Microscopic R-matrix theory in a generator coordinate basis. III. 361956
Libert, J.
Counting statistics with a variable dead time: general distribution expressions. 358375
Libin, I.Ya.
Development of ground methods for investigation of cosmic ray

variations. 357525
Libinzon, R.E.
Incorporation of exogenous DNA into tissues of irradiated rats. 379038
Liblik, P.Kh.
Spectral-kinetic investigation of whiskers and macrocrystals of $A^{I}B^{7}$ compounds. (INIS-mf – 3993) 377230
Libman, G.
Optical system of the RISK facility (design). (JINR – 13-8550) 361016
Libman, V.A.
Pulse generator with a linearly varying amplitude for the determination of the nonlinearity of the Ge(Li) spectrometer characteristic. 358435
Libove, J.
Blood flow imaging with nuclear magnetic resonance. 379152
Libshitz, H.I.
Calcifications and the therapeutically irradiated breast. 352050
Lichard, P.
A general method for testing the analyticity of scattering amplitudes. 366855
Origin of the dimuon continuum and the space-time evolution of hadron collisions. 353781
Lichino, I.P.
Polarographic determination of tungsten in water. 356959
Lichnerowicz, A.
Construction of twisted products for cotangent bundles of classical groups and Stiefel manifolds. 371406
Shock waves in relativistic magnetohydrodynamics. 355790
Lichoded, L.Ya
Intergeneric mating: transfer of polA gene from E. coli to S. typhimurium. 373501
Lichten, W.
Mechanism of excitation of two-electron – one-photon K x rays in heavy-ion collisions. 358749
Lichtenberg, A.J.
Overview of stoppering of open magnetic containment systems for controlled fusion. (EPRI-ER – 394-SR) 361557, 377427
Transient confinement of a high-density plasma in a multiple-mirror magnetic-field configuration. 348970
Two-dimensional boundary-value problem for ion-ion diffusion. 350965
Lichtenberg, D.B.
Baryon electromagnetic mass differences in the charmed-quark model. 351179
Quark model calculation of the mass spectrum of charmed mesons. 359275
Theoretical particle physics. Progress report, December 1, 1976 – November 30, 1977. (COO – 2009-133) 364506
Weak interaction physics, 1977. 377588, 377593, 377643, 377775, 377776, 377783, 377880, 377929
Lichtenberg, W.
Charge dependence of double K-vacancy states in collisions of Ssup(n+) (n=5, 8, 10, 12, 13, 14) on Ar at 1 MeV/amu. 358823, 377115
K-shell ionization cross sections in nearly symmetric collisions by S and Cl impact. 374638
Lichtenshtadt, I.
Neutron transport methods in neutrino transport calculations. 372567
Lichtenstadt, J.
Particle-hole states in ^{42}K studied by the $^{44}Ca(d,\alpha)^{42}K$ reaction. 356854
Lichtenstein, H.
Analysis of LWR post-LOCA gamma ray energy redistribution. 352297
Lichtfuss, R.
X-ray fluorescence analysis of environmental trace elements in sediments and soils. 362131
Lichti, R.L.
High proton polarization achieved with a (Yb, Y) $(C_2H_3SO_4)_3$ x $9H_2O$ spin refrigerator in a nonuniform magnetic field. 366011
Lichtman, D.
High electron energy ESD of H^+ and F^+ from stainless steel, platinum and niobium. 368830
Photodesorption from niobium surfaces. 369987
Study of electron and uv photon surface interactions. Progress report, March 1, 1976 – February 28, 1977. (COO – 2425-6) 366353, 373227
LIchtner, P.
The asymmetric two-center shell model and mass distribution in fission. 354088
Calculations of single-particle polarization using a realistic two-center shell model. 366953
Licojvan, V.I.
Substance for radiation protection. (Soviet patent document 416761/A/) 357034
Liddy, J.P.
Laboratory investigation of some ion-molecule reactions related to cyanide chemistry in dense interstellar clouds. 349013
Liddy, M.S.
A radiation grafting technique for the immobilization of enzymes and the heterogenizing of catalytically active homogeneous metal complexes. 369775
Liden, K.
Methods for external low-activity measurement of man. (LUNDD-MERI – 1003) 355035
Lidsky, L.M.
Economic analysis of EBT reactor. (CONF-771029 – 80) 372093
Lidstone, R.F.
A study of the running-in period of a CANDU-PHW thorium converter. (AECL – 5391) 360764
Lidvanskij, A.S.
Device for study on central part of extensive air shower by means of a scintillation detector with area of 200 m^2. 363546
Lie, K.I.
Location and size of acute transmural myocardial infarction estimated from ^{201}Tl scintiscans. A clinicopathological study. 352134
Thallium-201 scintigraphy for myocardial imaging with emphasis on its use in the coronary care unit. 354958
Lie, Y.T.
Detection of atomic hydrogen by resonance fluorescence. (INIS-mf – 3963) 371757
Lieb, E.H.
Time evolution of infinite anharmonic systems. 350522
Lieb, K.P.
Implantation perturbed angular distribution for argon and potassium in iron. 356723
Re-orientation effect and multiple Coulomb excitation measurements of ^{134}Ba. 356802
Lieb, L.I.
Liability and safety in nuclear power plants. (PB – 266664) 363720
Liebe, R.
Subassembly experiments and a computer code to analyze the dynamic core deformation during local failure propagation. 373840
Transient deformation of LMFBR cores due to local failure: experimental and theoretical investigation. 374237
Liebenberg, D.H.
Equation-of-state for fluids at high densities-hydrogen isotope measurements and thermodynamic derivations. (LA-UR – 77-1502) 351865
P – V – T and sound velocity data for fluid n-D_2 in the range 75-300 K and 2-20 kbar. (LA – 7018-MS) 371511
Thermodynamic properties of fluid n-H_2 in the range 75 to 307 K and 2 to 20 kbar. (LA – 6645-MS) 371510
Lieber, A.J.
Sub-picosecond proximity-focused visible streak camera evaluation and application. (LA-UR – 77-1872) 361584
Lieber, M.
Comparison of the Born and Glauber cross sections for the 2s→3p transition of H. (ANL – 76-88(Pt.1)) 361342
Lieberman, A.
Automatic particle counter for testing filter penetration by low concentration DOP aerosols. 360509
Lieberman, J.
Regularization of the stress-energy tensor for vector and scalar particles propagating in a general background metric. 358629
Lieberman, L.M.
Preliminary clinical imaging studies with ^{18}F-5-fluorouracil. (INIS-mf – 4010) 357627
Lieberman, S.
Sterochemical consequences of hydrogen exchange as a result of tritium atom reactions on solid aliphatic amino acids. 362176
Liebermann, B.
Physiology and biochemistry of streptomyces. 11. 373611
Liebermann, H.H.
Plastic and magnetoplastic deformation of Dy single crystals. 362425
Lieberoth, J.
An approximation of finite-difference methods for diffusion problems by a coarse-mesh method. 350115
Liebert, J.
New observations and a slow rotator model of the X-ray binary AM Herculis. 369208
Lieder, R.M.
High-spin states and isomers in light transitional nuclei around N = 80. (ZfK – 336) 369495
High-spin states in heavy transitional nuclei around Hg. (ZfK – 336) 369492
Particle-hole symmetry observed in the angular distributions of γ-rays in ^{189} ^{191} ^{193}Au. 354196
Liehl, H.J.
Ionisation of hydrogen by protons in a modified second Born approximation. 350649
Liehu, A.E.
Geological analysis by track etch method. 367040
Lien, J.R.
Spectroscopy of ^{121}Te and ^{124}Te from the sup(120,123)Te(d,p) sup(121,124)Te reactions. 356822
Lien, Y.-C.L.
Elemental analysis of water using proton-induced X-ray emission. 362132
Lienard, J.
Different reactor types and the Belgian option. 380082
Liepins, R.
Localized radiation grafting of flame retardants to poly(ethylene terephthalate). I. Bromine-containing monomers. 365067
Liepip'sh, I.A.
Some results of an experimental study on pressure velocity and flow density distributions in blanket model elements. (INIS-mf – 3954) 364172
Lierl, H.
Evidence for the F meson. 353947
Measurement of the decay of the J/PSI(3.1) and PSI'(3.7) resonances into hadron pairs. 359339
Measurements of tau decay modes and a precise determination of the mass. 372505

Observation of a neutrino event with four energetic muons. 372525
On the origin of inclusive electron events in e^+e^- annihilation between 3.6 and 5.2 GeV. 353772
On the semileptonic decay of charmed hadrons. 356496
Liese, W.
A new synthesis of ReO_3Cl. 375435
Liesen, D.
An absolute measurement of the probability for 1s sigma and 2p sigma excitation of the lead K shell. 377073
Characteristic X-ray emission in solid and gas targets induced by heavy ion-atom collisions. (INIS-mf – 3996) 364146
Charge dependence of double K-vacancy states in collisions of Ssup(n+) (n=5,8,10,12,13,14) on Ar at 1 MeV/amu. 377115
Lieser, K.H.
Critical comparison of the measuring range and detection limits in energy-dispersive X-ray fluorescence-analysis with tube excitation (secondary target) and with radionuclide excitation (Cd-109 and Am-241), by means of bulk powder samples on silicagel basis as an example. 375364
The exchange of chlorine atoms between chloroform and methyl chloride in the gas phase. 349208
Separation of trace elements on a cellulose exchanger with 1-(2-hydroxyphenylazo)-2-naphthol (hyphan) as functional group and subsequent determination by X-ray fluorescence analysis. 364854
Lietzke, A.F.
Studies of doublet plasmas in Doublet IIA. 358942
Lietzke, M.H.
Kinetic model for predicting the composition of chlorinated water discharged from power plant cooling systems. (CONF-771070 – 1) 374158
Simulation of chlorinated water discharges from power plants on estuaries and rivers. (CONF-771109 – 75) 378891, 379243
Validation of the kinetic model for predicting the composition of chlorinated water discharged from power plant cooling systems. (ORNL/NUREG – 32) 379277
Lieven, H. von
Bone scintigraphy for the diagnosis and evaluation of radiotherapy of diseases of the sinuses and the skull base. (INIS-mf – 4010) 357684
Lievens, P.
The distribution of trace elements in normal human liver determined by semi-automated radiochemical neutron activation analysis. 369555
Liewer, P.C.
Experimental and numerical studies of magnetohydrodynamic stability properties of a rectangular-cross-section finite-β toroidal plasma. 350794
Liewers, P.
Control of technical safety during normal reactor operation. 370588
Noise analysis system for early detection of malfunctions in pressurized water reactor nuclear power plants. 350168
Liforov, V.G.
Double-differential cross-sections of slow neutron scattering by water at high temperatures. (INIS-mf – 3895) 355305
Lifshitz, A.
Reaction between H_2 and D_2 in a shock tube: Study of the atomic vs molecular mechanism by atomic resonance absorption spectrometry. 351522
Lifshitz, C.
A long-lived excited state of O_3^-; evidence from collision-induced dissociation. 353389
Lifshitz, E.M.
On the general solution of Einstein equations near the cosmological singularity. 355791
Light, John
Laser-collision induced transitions. 353300
Ligou, J.
A moment method for calculating the transport of energetic charged particles in hot plasmas. 348920
Ligthart, F.A.S.
Ionization processes in the low-pressure mercury nobel gas discharges. (INIS-mf – 4267) 377069
Ligthart, H.J.
Nuclear spectroscopy with oriented nuclear spins. (INIS-mf – 4267) 378045
Liguori Neto, R.
Design, construction and description of a triple axis neutron crystal spectrometer. (IEA – 477) 351352
Lii, R.R.
Hydroxyl radical reactivity with diethylhydroxylamine. 364951
Liiva, A.A.
Radiocarbon researches in geobiochemistry laboratory. (INIS-mf – 3244) 378868
Likar, A.
Semidirect model calculations of differential cross sections for some photonuclear reactions in ^{40}Ca. 377913
Likes, R.S.
Power spectrum of radiation from a Josephson junction. 374011
Likhachev, V.A.
Damage of metals in long-term stress conditions. (INIS-mf – 4190) 375854
Likhobabin, N.P.
Photodiodes of cadmium telluride. 350751
Likhoded, A.K.
On a possible account of SU(6)-symmetry breaking in multiple production processes. (IFVE-OTF – 76-2) 349067
Relative yield of D mesons in hadron collisions. 377742
Likhonina, E.A.
Kinetics of some fast reactions of organic reagents with metal ions. (INIS-mf – 4192) 375558
Study of state of N-methylanabasine-α'-azo-3,4-dimethylphenol and its indium complexes in solutions. 378287
Likhtarev, I.A.
Contribution to estimation and the standardization of the maximum permissible in-take of iodine radioactive isotopes by human organism. (INIS-mf – 3913) 376211
Mathematical models of strontium 90 behaviour in "water-fresh water fish spawn" system for some particular cases of radionuclide incorporation into the organism. 349802
Likhtenshtejn, V.Kh.
Suppression of the low density plasma cyclotron instabilities by excited plasma oscillations. (INIS-mf – 3963) 372105
Likhter, A.I.
Effect of pressure on the Fermi surface of cadmium. 368896
Likhter, Ya.I.
Spectral-time analysis of modulation of poured out electrons and VLF-radiation on data obtained by the Interkosmos-5 satellite. 376046
Likhtorovich, S.P.
Study on the nature of magnetic transformation in FeRh alloys by positron annihilation technique. 363992
Liles, D.R.
POST: a postprocessor computer code for producing three-dimensional movies of two-phase flow in a reactor vessel. (LA-NUREG – 6954-MS) 365616
Lilholt, H.
Hardening in two-phase materials. I. Strength contributions in fibre-reinforced copper – tungsten. 362426
Lilin, S.A.
pH value effect on adsorption of sodium, thallium and cadmium cations on smooth nickel. 362194
Liljenzin, J.O.
Separation of actinides from HAW solution. (STU – 76-4120) 376759
Liljeqvist, D.
A high Luminosity electrostatic spectrometer for conversion electron Moessbauer spectroscopy. (USIP – 77-23) 353400
Liller, W.
A0620-00 as a recurrent nova. (CONF-7510169 –) 364365
Long term variability of HDE 226868 = Cygnus X-1. (CONF-7510169 –) 364366
Variability of HZ Herculis during the optical OFFs. (CONF-7510169 –) 364364
Lillie, C.F.
The Voyager mission photopolarimeter experiment. 374929
Lillo, S. de
Type I-type II transition and lower critical field of non-pure superconductors. 353737
Lillyman, E.
Some experience in HEPA filtration at DERE and AWRE. 359854
Lim, C.B.
Elimination of image blurring due to double scatter events in γ imaging MWPC detectors. (LBL – 6436) 379927
Lim, E.C.
Electronic relaxation processes in polyatomic molecules. Progress report, October 1, 1976 – September 31, 1977. (COO – 2192-23) 367097
Lim, E.Y.
Optimal pin enrichment distributions in boiling water reactor fuel bundles. 368113
Lim, S.C.
Some remarks on free massive spin-3 field. 350525
Lim, T.H.
Instability of Sn(II) reagents to oxidation and hydrolysis: stabilization with ascorbic and erythrobic acid. (INIS-mf – 4010) 369726
Lima, C.A.S.
Plasmon-assisted sound amplification in piezoelectric semiconductors under a strong magnetic field. 350752
Lima, F.W.
Determination of the stability constants for the complexes of rare-earth elements and tetracycline. (IEA – 469) 351557
Lima, L.F.C.P. de
Study of defects produced in LiF monocrystals by neutronic irradiation through thermionic current. 350753
Lima, W.P.
Soil water regime under homogeneous eucalyptus and pine forests. (CENA-BC – 043) 365280
Liminga, R.
Neutron diffraction refinement of paraelectric $CsH_3(SeO_3)_2$. 371578
Limmer, S.
NMR investigations of the melting behaviour of mesogen compounds. 371637
Limon, P.
Elastic scattering and diffraction dissociation in the angular range 0 to 50 mrad. (BNL – 50611) 357975
Limongi, A.
Incorporation of radioactive wastes into heat-hardened resins. 358467
Lin, A.T.
Plasma simulation by means of a magnetostatic program. 364176
Some new ideas on wet wood burners. (EPRI-ER – 536-SR) 371806
Lin, B.I.
Optimal in-core fuel management for boiling water reactors. 352633
Lin, C.
Low sodium void coefficient LMFBR cores. (CONF-761001 – P2) 363013

Lin, C.-Y.
Atmospheric dispersion estimates of the gaseous radionuclides from Taiwan research reactor. 370537
Lin, C.C.
Orthogonalized linear combinations of atomic orbitals. II. Calculation of optical properties of polymorphs of silicon. 359907
Lin, C.D.
Oscillator strengths for the magnesium isoelectronic sequence. 358627
Lin, C.L.
Thorium-based fuels in fast breeder reactors. 368233
Lin, C.S.
Characteristics of magnetospheric particle injection deduced from event observed on August 18, 1974. 370306
Lin, C.T.
Laser photochemical isotope separation of ^{11}B and ^{10}B using a CO_2 TEA laser. 365657
Use of non-linear refractive index of liquid mixtures to determine possible geometries of the complex formation. 350778
Lin, C.W.
Nuclear plant seismic analysis for multicountry application. 352195
Lin, D.L.
Gauge properties of the Hartree-Fock and random-phase approximations. 350643
Nonexponential decay profile of the 2 $^3S_1$ state of He-like ions. 350642
Lin, D.N.C.
On the motions of the sun, the galaxy and the Andromeda nebula. 356282
Simulation of the Magellanic stream to estimate the total mass of the Milky Way. 356278
Lin, E.I.H.
Analysis of the ballooning deformation of an internally pressurized thin-wall tube during fast thermal transients. (CONF-770807 - 48) 370589
Plastic instability criteria for necking of bars and ballooning of tubes. (CONF-770807 - 36) 365808
Lin, E.K.
The reaction $^{27}Al(P, \alpha_0)^{24}Mg$ from Esub(p) = 1.120 - 3.080 MeV. 366982
Lin, H.
Observations of high-latitude protons. 351980
Lin, H.C.
Acoustically induced vibration of circular cylindrical rods. 363516
Lin, Houng-Huei
Activation analysis of mercury in urine samples of electrolysis cell workers. 367041
Lin, L.
Vacuum instability, anomalous asymmetry effect, phase transition and band mixing in strongly deformed nuclei. 354084
Lin, R.P.
Energetic solar flare particles and interplanetary shock waves. 372208
Observations of magnetic merging and the formation of the plasma sheet in the earth's magnetotail. 351973
Lin, S.H.
Chemical hysteresis in phase reactions in fluorite-related systems: the reactions $PrO_{1.714}(i) + 0.032O_2$ in equilibrium $PrO_{1.778}(xi)$ and $TbO_{1.714}(i)$ in equilibrium $TbO_{1.500}$ (phi) + $0.107O_2$. 357375
Lin, S.T.
Laser isotope separation in SF_6. 373920
Lin, S.Y.
Energy dependence of fissionability for ^{239}Pu, ^{238}Pu, and ^{241}Am. 366930
Reactions of ^{237}Np with ^4He near the interaction barrier. 359505
Lin, T.
Photodesorption from niobium surfaces. 369987
Lin, W.
Compressible fluid flow through rocks of variable permeability. (UCRL - 52304) 368401
Observations of high-latitude protons. 351980
Lin, W.S.
Radical inactivation of a biological sulphydryl molecule. 357161
Lin'kova, N.V.
Some problems in ultracold neutron physics. (INIS-mf - 3895) 355493
Linard, B.J.
Lifetimes of excited states in ^{50}V. 372776
Linard, M.
Metallurgical study of the forging of a U-1.5%Mo alloy. 373147
Linares, C.
Ligand field parameters for europium(III) in gadolinium, yttrium, and lutetium orthovanadates. 355880
Linari, A.
Plutonium utilization in fast-breeder and light-water reactors in Italy. 368216
Linck, I.
High spin states in the mirror nuclei ^{15}O and ^{15}N. 356811
Lincoln, R.C.
Estimates of relative areas for the disposal in bedded salt of LWR wastes from alternative fuel cycles. (SAND - 77-1816) 380054
Lincoln, S.F.
Nuclear magnetic resonance study of ligand exchange on dioxopentakis(trimethyl phosphate)uranium(VI) ion and its triethyl phosphate analogue. 378461
Lind, D.A.
(^3He,n) reaction studies near N=82. (TID - 27909) 377959
Observation of the proton-pairing vibration in ^{206}Pb. 366963
Proton pairing states observed in the $^{208}Pb(^3He,n)^{210}Po$ reaction. (TID - 27909) 377960
Proton particle-hole interaction levels in $^{114, 116}Sn$. (TID - 27909) 377988
Proton shell closures at Z=38. (TID - 27909) 377957
Structure of ^{88}Sr from the $^{86}Kr(^3He,n)^{88}Sr$ reaction. 372695
Study of 2p - 1h states in the Z=50 proton shell via the $^{113, 115}In(^3He,n)^{115, 117}Sb$ reaction. (TID - 27909) 377958
Two-proton excitations at the Z=38 and Z=40 sub-shell closures. (TID - 27909) 377956
Lind, J.
Management of radioactive waste and plutonium in the Swedish perspective. 368372
The reactions of hydroxyl radicals with alkyl disulphonic acids in aqueous solution studied by pulse radiolysis. 365068
Lind, J.M.
Angular correlation study of levels in ^{16}C. 356692
Lindau, I.
Oxygen sorption and excitonic effects on GaAs surfaces. 351855
Semiconductor surface physics research in the Space Shuttle orbit. 367315
Study of SPEAR as dedicated source of synchrotron radiation. 363183
Surface and interface states on GaAs(110): Effects of atomic and electronic rearrangements. 351872
Lindauer, E.
Evaluation of operational experience for the German safety study. (AED-Conf - 77-352-003) 365572
Lindbaeck, S.
The split-pole isochronous cyclotron SPC-120. 352422
Lindberg, B.
A new position-sensitive detector for thermal and epithermal neutrons. 374332
Lindberg, L.
Plasma flow in a curved magnetic field. (TRITA-EPP - 77-23) 353580
Lindberg, P.
New England looks to nuclear power to serve base load growth. 370864
Lindberg, S.
Hyperparathyroidism in persons treated with x-rays for tuberculous cervical adenitis. 367538
Lindberg, V.W.
Positron annihilation study of neutron-irradiated aluminum. 362540
Lindblad, T.
Evidence for rotational band structures in the N = 88 nulide ^{153}Tb. (ZfK - 336) 364834
Gamma-ray and neutron multiplicity measurements using liquid scintillators. (ZfK - 336) 366993
Investigation of high-spin states and decay of an $11/2^-$ isomer in ^{151}Tb. (ZfK - 336) 364789
Lindblom, U.
Groundwater movements around a repository. Phase 1, State of the art and detailed study plan. (KBS-TR - 06) 363674
Lindblom, U.E.
Groundwater movements around a repository. Geological and geotechnical conditions. (KBS-TR - 54-01) 376773
Linde, A.D.
On the vacuum instability and the Higgs meson mass. 356445
1/N expansion, vacuum stability and quark confinement. 353109
Linde, S.A.
Structure of rhombic modification of zirconium polyphosphate $Zr(PO_3)_4$-2. 357017
Lindell, B.
Basic principles for the limitation of releases of radioactive substances into the environment. 355014
New approaches to deriving limits of the release of radioactive material into the environment. 367809
New trends in radiation protection. (SSI - 1977-032) 355015
Lindelof, P.E.
Nonresonant detection of Josephson radiation from thin-film microbridges. 374015
Resistivity measurements on the singlet ground state system Tb/sub c/Y/sub 1-c/Sb. Effects of electron-exciton scattering. 378583
Lindemer, T.B.
Chemical thermodynamics of the system Cs - U - Zr - H - I - O in the LWR fuel-clad gap. (ORNL/TM - 6130) 379622
Stoichiometric effects on performance of high-temperature gas-cooled reactor fuels from the U - C - O system. 365922
Lindemuth, I.R.
Boundary condition for computational magnetohydrodynamics. 366436
Linden van den Heuvell, H.B. van
Phonon effects on superconductivity stimulated by microwaves. (INIS-mf - 4267) 377688
Linden, C.G.
On the yrast levels in ^{204}Pb. 375190
Linden, W.A.
Effects of daunomycin and radiation on cell-survival and repair of DNA single-strand breaks. 349691
Radiosensitivity and recovery of mouse L cells during the cell cycle. 376059
Lindenau, D.
On the kinetics of polymer degradation in solution. 365069
Primary ionic species of α-methylstyrene produced by high energy radiation. 375687
Lindenfeld, P.
Superconducting state as a magnifier for the study of phonon interactions. 373189
Superconductivity in silver induced by the proximity effect. 359910

Linder, F.
Vibrational excitation of CO by proton impact: energy dependence of the differential cross section for forward scattering. 355890
Linder, P.
Risk comparison of alternatives of the back end of the fuel cycle at a pre-project stage. 352323
Lindesay, J.V.
Galilean presymmetry and the quantization of circulation,. 351125
Lindgaard, A.
Energy levels and transition probabilities in Mo XIV. 366329
Lindgard, P.
Theory of rare-earth alloys. 359953
Lindgren, B.
New measurements of the Se I resonance lines. 353695
Lindgren, I.
Hyperfine structure measurements in metastable atomic states – nuclear spins of ^{201}Pb and ^{203}Pb. 368643
Lindgren, J.
Hyperfine structure measurements in metastable atomic states – nuclear spins of ^{201}Pb and ^{203}Pb. 368643
Lindgren, K.
A complementary study of photospallation systematics. 366986
A review of present photonuclear research at Lund and future accelerator plans. 349144
Lindgren, L.J.
Photoinduced fission of the doubly even isotopes U^{234}, U^{236} and U^{238}. (LUNFD6-NFFR – 3017) 375149
Lindgren, R.A.
Transitions in ^{27}Al excited by 180° electron scattering. 364768
Lindheimer, W.
Problems in scintigraphic detection of traumatic bone lesions. (INIS-mf – 4010) 367694
Lindholm, A.
Radiative capture of fast neutrons by ^{89}Y and ^{140}Ce. 377970
Lindhorst, H.
Process computers and their application in the KNK-II reactor. 376475
Lindinger, W.
A hollow-cathode ion source for drift tubes. 370680
Lindl, J.D.
High performance inertial fusion targets. (UCRL – 79373) 377502
Simulations of intermediate density laser fusion targets: recent progress in design and analysis. (UCRL – 80005) 374842
Lindley, D.
Characteristic gamma-ray spectra from light elements in ^{241}Am (α,n) sources and their use in detecting source impurities. (AERE-R – 8891) 367877
Lindley, T.C.
The effect of frequency and temperature on the environmentally assisted fatigue crack gowth below Ksub(ISCC) in steels. 354460
Lindman, N.
On the rate of in-reactor UO_2 densification. 373359
Lindner, H.A.
The strength of SiC kiln furniture and its assessment by Young's modulus measurements at temperatures up to 1,400ºC. 354587
Lindner, J.
A nuclear district heating plant. (Swedish patent document 7506608-4/B/) 358225
Lindner, L.
The Chemistry Departement of the Institute for Nuclear Physics Research, Amsterdam, The Netherlands. 376870
Labelled chloroquine analogs for the detection of ocular melanoma. (INIS-mf – 4010) 362227
A novel way to produce ^{52}Fe. (INIS-mf – 4010) 370671
Lindner, M.
Unique first forbidden beta decay of ^{183}Re and ^{185}Os. 359464
Lindner, P.
Evaluation of brain perfusion curves after intravenous injection of sup(99m)Tc-pertechnetate. (INIS-mf – 4010) 362736
Lindner, R.
Behaviour of advanced fast-breeder fuels at high power density. 368199
Lindner, S.
Investigation of the applicability of slit metal vessels in fast compression experiments. (IPP – 1/164) 350888
Lindo, S.D.
Skin cancer: comparison of aggressive potentials of sunlight-induced and x-ray-induced tumors. 379080
Lindquist, J.
Measurement of the angular correlation parameters in the BETA decay of polarized Λ hyperons. (COO – 1545-215) 364585
Lindquist, L.O.
Steady-state temperature and stress distributions of a proposed LAMPF pyrolytic graphite pion production target. (LA – 6936-MS) 374072
Lindsay, J.D.G.
0.54-MJ superconducting magnetic energy transfer and storage. (LA-UR – 77-1312) 356153
Lindsay, W.W.
Regulatory issues in nuclear fuel accounting and rate making. 352964
Lindskog, R.
Lifetime measurements in La II with the beam-laser method. 366314
Lindsten, D.C.
From fission, fusion, and confusion can come potable water. 357101
Lindstroem, U.
Further considerations on the separating topology for the space-times of general relativity. (USIP – 77-30) 374573
The separating topology for the space-times of general relativity. (USIP – 77-20) 353110
Lindstrom, P.J.
Non-peripheral collisions of heavy ions in nuclear emulsion. (LBL – 6562) 356780
Lindstrom, R.M.
Radial efficiency gradients in Ge(Li) gamma detectors. 374341
Lindvall, S.
Distribution of ^{59}Fe-labelled iron-poly(sorbitol-gluconic acid) complex in normal and anaemic rats. 367584
Studies on the placental transfer in rats of ^{59}Fe- and ^{14}C-labelled iron-poly(sorbitol-gluconic acid) complex. 367586
Lindzen, R.S.
Atmospheric solar tides and their electrodynamic effects. 373457
Line, R.F.
Guidelines for the production, evaluation, and use of induced resistance to stripe rust in wheat. 373720
Lineberry, M.J.
Extrapolation of ZPR sodium void measurements to the power reactor. (CONF-761001 – P2) 362864
Simulation of an HCDA sequence on the ZPPR critical facility. (CONF-761001 – P2) 362957
Linehan, J.L.
Nonequilibrium critical discharge of saturated and subcooled liquid Freon-11. 373857
Linetskij, V.N.
Some problems of disperse medium use in heat exchangers. (INIS-mf – 3952) 367912
Lineva, A.N.
Reactions between dicyclopentadienyl vanadium and RHgCl. 351552
Ling, J.C.
A search for the reported 400-keV γ-ray line from Crab Nebula. 356279
Ling, J.H.
Photodissociation of O_3^- and its hydrates. 376993
Ling, R.C.
Coil winder for the magnet of the mirror fusion test facility. (UCRL – 79744) 366587
Reel support for wind the magnet of the Mirror Fusion Test Facility. (UCRL – 79747) 374834
Ling, T.Y.
Space-time structure of the weak neutral current. 353981
Lingafelter, J.W.
Inservice inspection of nuclear power plants. 360691
Lingen, P.
Technical safety. 360457
Lingenfelter, A.C.
Nickel-base alloys for nuclear process heat applications. 360870
Lingg, H.
Optical properties of TiN and ZrN. 364109
Linglin, D.
Observation of jet structure in high psub(T) events at the ISR and the importance of parton transverse momentum. 353956
Linh, N.T.
Molecular beam system controlled by quadrupole mass spectrometer. 350607
Liniecki, J.
Distribution of absorbed dose of ionizing radiation in bone in simulated therapeutic irradiation measured by means of electron spin resonance technique. 379350
Evaluation of radon and its daughter products concentration in the air using triacetate cellulose foils. 376043
sup(99m)technetium-unithiol complex, a new pharmaceutical for kidney scintigraphy. Pt. 2. 354945
Link, F.
Solar and climatic cycles in the past. 376050
Link, R.
Magnetic hyperfine anomaly in muonic ^{193}Ir. 364802
On-line Moessbauer measurements at low temperatures of sup(83m)Kr implanted into Al. 377198
Link, W.
Development of a radionuclide method of mass flow measurement in non-steady state multiphase flows. (KFK – 2435) 357890
Linke, J.
Fundamentals on the agglomerate model and its relation to the physical properties of pyrocarbon. 379689
Pyrocarbon deposition from the gas-phase. (Juel – 1417) 354599
Linke, V.
Angular distribution of two-particle inclusive final states in positron annihilation. 364524
Linker, G.
Ion beam surface layer analysis. Vol. 1. 362546
Ion beam surface layer analysis. Vol. 2. 361918
Linkletter, S.J.G.
Proton hyperfine coupling constants in the tri-p-anisylaminium cation radical from proton and deuterium contact shifts. 362195
Linn Draper, E.
Methods of calculating composition changes in neutron-irradiated materials. Erratum. 365237
Linnecar, T.
Longitudinal phenomena in the CERN SPS. 363168
Linnemann, W.J.
First results of the automatic process control for the cyclotron U-120 at Rossendorf. (ZfK – 342) 374063
Linnerooth, J.
Risk estimation, evaluation, and management. 352324
Linnik, A.I.
Rare earth ions effect on nuclear spin-lattice relaxation in metal-hydrogen compounds on the transition metal base. (INIS-mf – 3955) 377215

Linnikova, G.L.
PMR study of complexes of titanium and hafnium chlorides with substituted o-naphtoquinone dioxide. 354337
Linsay, P.
Measurement of the branching ratio GAMMA (K/sub L/ → $\pi^+\pi^-$)/GAMMA (K/sub L/ → all). 359336
Measurement of the decay rate for the rare process K/sub L/^{0} → $\mu^+\mu^-$. 351231
Linse, C.A.
The total cross section as a function of energy for elastic scattering of noble gas atoms. (INIS-mf – 4175) 368670
Linsley, G.S.
A review of the problems of safety control in X-ray diffraction and spectrometry. 370633
Linsley, J.
Measurement of light emission from remote cosmic-ray air showers. 365315
Lintern, A.L.
A partial-wave analysis of world data for the reaction $\pi^-p \rightarrow K^0\Lambda$ from threshold to 2350 MeV/c. 353760
Lintner, M.A.
Utilization of plant operating experience in new plant designs – a consultant's viewpoint. 358144
Linz, A.
Magnetic, optical, and magneto-optical behavior of $LiTbF_4$ and KTb_3F_{10} crystals. (UCRL – 79725) 373346
Lions, N.
Utilization and performance of sodium instrumentation during start-up and initial operation of PHENIX. (CONF-760503 – P2) 352768
Lions, Noel
Nuclear reactor assembly. 355462
Liotta, L.
Cross-sections and multiplicity distributions for π sup(-)p interactions at 11.2 GeV/c. 369278
Liou, H.I.
Epithermal neutron capture in ^{238}U. 356824
Neutron resonances in ^{45}Sc and their relation to thermal scattering parameters. 362047
Total cross sections of ^{45}Sc. (BNL-NCS – 22500) 356823
Lipatov, L.N.
Calculation of the Gell-Mann-Low function in scalar theory with strong nonlinearity. 368560
Divergence of perturbation theory series and the quasiclassical theory. 368559
High orders of the perturbation theory in scalar electrodynamics. 353048
Pomeranchuk singularity in non-abelian gauge theories. 369303
Lipatov, Yu.S.
Radioluminescence investigations with silane modified polyethylene-kaolin compounds. 353460
Lipatova, N.E.
On chemical composition of enamel-like anodic niobium oxide. 349204
Lipej, M.M.
Use of a photoionization mass spectrometer for detection of threshold photoelectron spectra. 371165
Lipin, V.D.
On the structure of the longitudinal rapidity inclusive distribution in the 20-200 GeV range. 369347
Lipin'ski, B.
Systems for power supply, control and synchronization of plasma-focus type experiments. (INIS-mf – 3954) 361498
Lipinski, R.J.
Measured x-ray multiplicities and element yields in the spontaneous fission of californium-252. 364803
Lipka, J.
Moessbauer and infrared spectra of substituted Y-Fe(III) garnets. 368803
Lipkin, H.J.
Are there charmed-strange exotic mesons. 353864
Can pedestrians understand the new particles or who needs the Okubo-Zweig-Iizuka rule. (FERMILAB-Conf – 76/98-THY) 361822
A dynamical model for mixing of axial vector (Q) mesons. 369309
High energy spectroscopy. (FERMILAB-Conf – 77/66-THY) 377751
Theoretical review of strange and nonstrange mesons. (FERMILAB-Conf – 77/65-THY) 377752
Lipkin, I.M.
Comparison results of automatic and semiautomatic processing of images from the ITEF 1,5 m spectrometer. 361074
Lipman, N.H.
$f^0(1270)$ production in the reaction $\pi^-p \rightarrow \pi^+\pi^-n$ at 12 and 15 GeV/c. 372501
Lipmanov, Eh.M.
Remark on search of a neutral lepton with a moderate mass. 359340
Lipner, M.H.
Analysis of hybrid computer simulation of a power level control system for a tokamak fusion reactor plasma. 371928
Lipnik, M.
Measurement and MIA analysis of the neutron differential cross section and polarization in the α-D break-up at 33 MeV c.m. 354230
Lipnik, P.
Neutron beam facility at the Louvain-la-Neuve isochronous cyclotron; cross sections for fast neutron production. 379484
Lipovetskij, V.A.
18 new objects with broad emission line from the 8. and 9. lists of the Markarian galaxies. 369055
Lipovskij, A.A.
Half-life of sup(242)Pu. 377983
Some technical aspects of accounting for and control of nuclear material at nuclear fuel cycle facilities in the USSR. 371289
Lipovsky, A.A.
Coordination disproportionation of plutonyl chloride solvates. 351616
Lipowski, K.
External drag body as flow meter according to the principle of Karman's vortex path. (German (F.R.) patent document 2259171/B/) 376705
Lipparini, E.
Magnetic moments and the Skyrme interaction. 372637
M1 strength distribution in nuclei. 362003
Skyrme's interaction and corrections to gryomagnetic factors. 364804
Sum rules and mean excitation energies for longitudinal isoscalar electroexcitation of nuclei. 359420
A variational approach to magnetic moments. 362004
Lippert, J.
Environmental radioactivity in Denmark in 1976. (RISO – 361) 357437
Environmental radioactivity in Greenland in 1976. (RISO – 363) 357509
Environmental radioactivity in the Faroes in 1976. (RISO – 362) 354687
Lippincott, E.P.
Review of microscopic integral cross section data in fundamental reactor dosimetry benchmark neutron fields. (HEDL-SA – 1148(Rev.1)) 377990
Lippmaa, E.
^{29}Si and ^{13}C-NMR chemical shifts in crowded bis (trimethylsilyl)ethenes. 366437
^{29}Si and ^{13}C-NMR spectra of vinyl- and allylsilanes. 366463
Lippmann, G.
Studies of voids in neutron-irradiated aluminium single crystals. 357417
Lippmann, M.
Particle deposition in a hollow cast of the human tracheobronchial tree. 365475
Lippol'd, B.
On some experiments by means of inelastic neutron scattering at the IBR-30 pulsed reactor. (JINR-R – 14-9790) 374624
Lippold, W.J.
Maneuvering experience at Calvert Cliffs, Unit 1. 358216
Lips, C.J.H.
The relationship between serum CEA-levels and a number of non-gastrointestinal malignancies. (INIS-mf – 4010) 370490
Lipschultz, F.P.
Thermal conductivity of 1 MeV electron-irradiated Al_2O_3 between 1 and 70 K. 373387
Lipscomb, W.N.
Closo boron hydrides with 13 to 24 boron atoms. 378225
Lipski, S.
In vivo and in vitro ^{3}H-thymidine incorporation into bone marrow cells of mice irradiated with 200R. 373534
Lipsky, S.
Contribution of electronically excited states to the radiation chemistry of organic systems. Progress report, September 1, 1976 – August 31, 1977. (COO – 913-68) 378527
Liptak, P.
Application of multigroup difference methods. 350227
Liquorish, R.A.C.
Exposure-rate calibration of small radioactive sources of ^{60}Co, ^{226}Ra and ^{137}Cs. 376260
Lis, J.
The isotopic composition of carbon in mineral waters of the Polish Flysch Carpathians. 365303
Lis, S.
Annealing behavior of In implanted in Si studied by perturbed angular correlation. 351895
Lisachenko, A.A.
Photocatalytic properties of beryllium oxide. Photoactivated homomolecular oxygen exchange. 351519
Lisachenko, Eh.P.
Studying and rating of building materials radioactivity. (INIS-mf – 3787) 352314
Lisbona, N.
Researches with the tandem and the synchrotron. Chapter 1. (CEA-N – 1959) 354198
Surface transparency of optical potentials deduced from heavy-ion scattering studies. 356825
Lischka, H.
Ab initio studies of chemical equilibria. III. 357035
Lisenkova, L.N.
Action of chronic low-dose irradiation on the age changes in the radioresistance of white mice. 349746
Lish, K.C.
Training engineers for NSSS bid evaluation. 352902
Lishchenko, T.V.
Sorption of vanadium (5) and silicon on anionites. (INIS-mf – 4187) 375505
Study into possibility of phosphate cationites use for rare earths separation. 357226
Lisichkin, Yu.V.
Analysis of experimental data on double-differential cross-sections of slow neutron scattering on the basis of incoherent approximation. (INIS-mf – 3895) 355297
Double-differential cross-sections of slow neutron scattering by water at high temperatures. (INIS-mf – 3895) 355305

Evaluation technique for double-differential cross-sections of slow neutron scattering for reactor moderators. (INIS-mf – 3895) 355295
Inelastic scattering of slow neutrons by beryllium. (INIS-mf – 3895) 355276
Influence of data uncertainties on moderator-atom-oscillation spectra on the calculation of integral characteristics of neutron scattering and some reactor physics functionals. (INIS-mf – 3895) 358064
Study on the scattering of slow neutrons by reactor materials. (INIS-mf – 3895) 355296

Lisiewicz, J.
Effect of irradiation on activity of lysosomal acid phosphatase in peripheral blood granulocytes of mice. 367479

Lisin, V.L.
Structure of the V_2O_5-Cu_2O and V_2O_5-PbO melts. (INIS-mf – 4193) 375506

Lisitano, G.
Relaxing confinement behaviour of metal limiter in high density tokamak discharges. (IPP – III/36) 350889

Lisitchenko, V.V.
Investigation of the transparency of the wave barrier for electron plasma waves in a magnetoactive plasma. 348937

Lisitsa, M.P.
Effect of laser radiation polarization type on two-phonon light absorption in A^2B^6 semiconductors. 371632

Lisitsa, V.S.
Optical collisions and nonlinear light absorption by a medium. (IAE – 2392) 355898
Resonance broadening in an intense light field. 355852

Lisitsin, E.S.
Studies on radioactivity build-up and distribution in the BOR-60 circuit. (IWGFR – 7) 360981
Studies on the efficiency of radioactive impurity trapping by the BOR-60 trap. (IWGFR – 7) 360985

Lisitskij, I.S.
Cherenkov shower γ-spectrometer. 376655

Lisitsyn, A.P.
Radiochemical investigation of deep sea deposits by gamma-spectroscopy method. 349639

Lisitsyn, Yu.V.
Destruction of metallic foils under laser radiation. 365122

Liska, D.J.
Use of a dynamic rangeshifter for modifying the depth-dose distributions of negative pions. 352345

Lisken, H.
Charged particle multiplicity distributions in pp collisions at ISR energies. 356525
Charged particle multiplicity distributions in pp-collisions at ISR energies. 353996

Lisker, R.
Human Genetics. 362698, 362700, 362702, 362703

Lisman, H.
The use of ^{59}Fe uptake in estimating the marrow dose in normal and splenectomized rats exposed to 1000 kVp x-irradiation. 365639

Lison, R.
Highly developed welding and soldering techniques applied in construction of experimental nuclear installations. 350137

Lisovaya, E.D.
Automatic method of acid refining of thin-dispersed zircon. 375930
Effect of surfactants on wet zircon vibrogrinding. 375931

Lisovskij, A.V.
Connection of the M-6000 computer with an image scanner. (ITEF – 64(1974)) 361088

Lisovskij, F.B.
Fine structure of phase diagram of $Tb_3Fe_5O_{12}$ in quasiantiferromagnetic state on magnetization along the 2-fold symmetry axis. 361455

Lisovskij, F.V.
Faraday effect and physical properties of epitaxial films of bismuth-containing ferrite garnets with magnetic compensation point. 358858

Lisovskij, I.P.
Determination of nitrogen and phosphorus in bone tissues by activation with 14 MeV neutrons. 364880

Lisowski, P.W.
Discrepancies between global nucleon-nucleon phase shifts and new data for n-p scattering at 16.9 MeV. 367009
Fast neutron differential cross sections. (BNL-NCS – 22500) 356862
A pulsed beam time pickoff system for nanoampere beams. 363290

Lisser, J.
Zero-flux dc current transformer: a high precision bipolar wide-band measuring device. 363140

Listengarten, M.A.
Muon conversion of gamma radiation of nuclei. 359411
On calculations of internal conversion coefficients of gamma rays for light elements. 359376

Lister, C.J.
The determination of the l-forbidden M1 decay from the first excited state in ^{41}K. 366994
Spin and parity determinations for the 3723 keV, 4294 keV and 5313 keV levels in ^{36}Cl. 351398
The structure of levels in ^{67}Ga below 2.6 MeV excitation. 351321

Lister, D.H.
Predicting radiation fields around reactor components. 360942

Lister, J.B.
$f^0(1270)$ production in the reaction $\pi^-p \rightarrow \pi^+\pi^-n$ at 12 and 15 GeV/c. 372501

Lister, J.R.
$f^0(1270)$ production in the reaction $\pi^-p \rightarrow \pi^+\pi^-n$ at 12 and 15 GeV/c. 372501

Listova, E.M.
Characteristics of light emmiting diodes on the base of Gasub(0.7)Insub(0.3) and IaP<N>. 366424

Listwam, W.
Isotopic method of leaks detection in oil pipelines. (INIS-mf – 4015) 373983

Lisyuk, Yu.V.
Quantum orientator. (Soviet patent document 471564/A/) 376718

Liszczak, T.M.
Characterization and radiobiologic parameters of medulloblastoma in vitro. 373494

Litchfield, P.
Baryon spectroscopy and SU(6). (RL – 77-100/B) 356446

Litchfield, P.J.
$f^0(1270)$ production in the reaction $\pi^-p \rightarrow \pi^+\pi^-n$ at 12 and 15 GeV/c. 372501

Lites, B.W.
Ultraviolet brightenings in active regions as observed from OSO-8. 372209

Lititskij, V.A.
Monitoring the reactivity of highly undercritical reactors by means of reactimeters and the source analog correction. 358090

Litke, A.
K^0 production in e^+e^- annihilation. 353983

Litke, A.M.
Electron-muon and electron-hadron production in e^+e^- collisions. 366879

Litkin, V.B.
Characteristics of the combined operation of thermal and fast power reactors. 355669

Litovchenko, K.I.
Chronopotentiometric determination of stability of pretonated cadmium complexes with ethylenediaminetetraacetate. 375497
Investigation of complexing in the cadmium (2) – ethylene diamine tetraacetate – water system by the method of proton resonance. 375496

Litovchenko, V.G.
Exciton observation in CdS subsurface thin layers. 374802
An investigation of peculiarities of dielectric film ion sputtering by means of the SIMS technique. (INIS-mf – 3996) 364064

Litowska, M.
Effect of gamma radiation on ion exchange resins. Pt. 6. The kinetics and mechanism radiation damage of functional groups in the anion exchange resin Imac S5-40. 357162
Effect of gamma radiation on ion-exchange resins. Pt. 7. The kinetics of sulphonic groups decomposition in the cation exchange resin Imac C-12. 359791

Litster, J.D.
Magnetic, optical, and magneto-optical behavior of $LiTbF_4$ and KTb_3F_{10} crystals. (UCRL – 79725) 373346

Litt, J.
Production of phi and f' in 10 GeV/c K^-p interactions. 353959

Littenberg, L.
A 480-channel lead glass Cherenkov detector. 355498

Littenberg, L.S.
Observation of a baryon exchange dip and parton effects in backward photoproduction of ω. 372513

Little, C.A.
Plutonium in a grassland ecosystem. 362578

Little, C.C.
Consideration of uncertainties in the specification of core hot channel factor limits. (WCAP – 9181) 373841

Little, J.B.
Characterization and radiobiologic parameters of medulloblastoma in vitro. 373494
Deficient recovery from potentially lethal radiation damage in ataxia telangiectasia and xeroderma pigmentosum. 370326
Histochemical, light and electron microscopic study of polonium-210 induced peripheral tumours in hamster lungs -evidence implicating the Clara Cell as the cell of origin. 365436
Histochemistry of normal lungs and ^{210}Po induced pulmonary tumors in hamsters. 349784

Little, L.T.
Detection of the $J = 9 \rightarrow 8$ transition of interstellar cyanodiacetylene. 356280

Little, R.C.
Neutron capture cross section measurements of ^{99}Tc up to 80 keV. (BNL-NCS – 22500) 356826

Little, W.A.
Study of magnetic hyperfine interactions in highly stripped ions by magnetic decoupling experiments. 372786

Littlechild, J.E.
The specification and quality control of UO_2 fuel pellet microstructure to ensure density stability and low moisture content. 376439

Littman, P.
Radionecrosis of the brain presenting as a mass lesion: a case report. 365405

Litunovskij, R.N.
System for control of plasma filament equilibrium in the T-10M thermonuclear facility. (INIS-mf – 3954) 361641

Litunovskij, V.N.
Heating a dense theta-pinch plasma with strong fast-rising magnetic fields. 348894
Investigation of dense plasma heating in linear theta-pinch with strong fast-rising magnetic field. (INIS-mf – 3963) 371770

Litvak-Gorskaya, L.B.
Iron as an ion acceptor in indium antimonide. 367253
Litvakov, V.U.
Experience in application of electric radioisotopic injector ERI-I to study pumping wlls in the Samotlorskoe field. 349662
Litvin, A.L.
Crystal structure of ytterbium chromite. 351596
Litvina, M.N.
Kinetics and mechanism of interaction of americium(3) with mixture of silver and ammonium persulfate in phosphoric acid solutions. 369754
Litvinenko, V.I.
Investigation of kinetics and mechanism of oxidation of π-allyl palladium iodide by iodine in aqueous solutions. 378213
Litvinenko, Yu.A.
Tokamak with an intense (higher 100kOe) magnetic field. (INIS-mf – 3954) 361487
Litvinov, V.I.
Ferroelectric phase transition in Pbsub(1-x)Snsub(x)Te. 377311
Litvinov, V.S.
Moessbauer study of carbon iron-manganese austenite. 373228
The Moessbauer study of martensite in manganese and nickel steels. 369988
Ordering of nickel-aluminium martensite. 369989
Litvinov, V.Z.
On evaluation of the steel hot plasticity by extension of samples with notches. 358029
Litvinova, I.I.
Determination of internal defects in VA type tungsten wire using torsion pendulum. 351789
Litvintsev, I.Yu.
Epoxidation of cyclohexene by ethyl benzene hydroperoxide in the presence of molybdenum catalyst. 378386
Litvintsev, V.V.
Internal strains in iron-nickel films prepared from invar alloys. 370062
The relation between changes in lattice parameters and magnetic moment of iron-nickel alloys. 349551
Litvyakova, G.I.
Effect of pH on the radiolysis of deaerated aqueous solutions of aminothiols. 354425
Litzow, W.
Fast neutron doses in HTR reactors. 370976
Liu, B.
Ab initio calculations for the X $^2\Sigma$, A ^{2}Pi, and B $^2\Sigma$ states of NaAr: Emission spectra and cross sections for fine-structure transitions in Na – Ar collisions. 350676
Accurate Compton profiles for H_2 and D_2 including the effects of electron correlation and molecular vibration and rotation. 366372
Cross sections for quenching of H(2s) by collisions with Ar. 353323
Study of the Na-Ar systems: emission spectra and cross sections for fine-structure transitions in Na-Ar collisions. 353351
Theoretical study of molecular oxygen: collisions of O(^{1}S) with O(^{1}S). 358818
Liu, C.
Soliton generation at resonance and density modification in laser-irradiated plasmas. 371785
Liu, C.H.
Angular dependence of orientation of Ar^+ ions induced by the beam-tilted foil interaction. 355911
The transfer of polarisation due to optical cascades in $^{40}Ar^+$ ions. 358726
Liu, C.S.
Influence of strong inhomogeneities and magnetic shear on microstability properties of the Tormac sheath. 364201
Lower hybrid wave propagation in inhomogeneous plasmas. (LPS – 224) 358996
Nonlinear dynamics of runaway electrons and their interaction with tokamak liners. 364221
Soliton formation and saturation of decay instability of an electromagnetic wave into two plasma waves. 366512
Trapped-electron mode driven unstable by energetic ion beam injection in tokamaks. 364198
Unified formalism of lower hybrid parametric instabilities in plasmas. 350959
Upper-hybrid-resonance absorption of laser radiation in a magnetized plasma. 350857
Liu, C.T.
Development and characterization of an improved Ir – 0.3% W alloy for space radioisotopic heat sources. (ORNL – 5290) 373229
Liu, C.Y.
Suppression pool dynamics. Quarterly progress report 1 Jul 1976 – 30 Sep 1976. (PB – 267584) 357741
Liu, J.W.
Accurate Compton profiles for H_2 and D_2 including the effects of electron correlation and molecular vibration and rotation. 366372
Liu, K.
The validity of an integral representation of the semiclassical S-matrix for multiple coulomb excitation of heavy-ions. 375091
Liu, K.C.
Thermal stresses and cyclic creep-fatigue in fusion reactor blanket. (CONF-771029 – 73) 371929
Liu, K.F.
Matrix elements with cranked deformed oscillator wave functions. 372638
Liu, K.L.
^{29}Si + ^{14}N stripping and pickup reaction. (RLO/1388 – 362) 372725
Analyzing powers for the continuum portions of particle emission spectra. (RLO/1388 – 362) 372710
Further measurements of ^{16}O + ^{28}Si elastic scattering at tandem energies. (RLO/1388 – 362) 372830
Study of anomalous angular distributions with ^{15}N-induced reactions. (RLO/1388 – 362) 372724
Liu, L.
Spectroscopic studies of ionic solvation. XX. Cesium-133 NMR study of cesium salts in different solvents. 362174
Liu, L.C.
Can multiple-scattering theory explain the low-energy pion-nucleus interaction. 351297
Liu, P.I.
Breast cancer incidence among atomic bomb survivors, Hiroshima and Nagasaki, 1950 – 1969. 362704
Liu, Q.K.K.
The Bessel uniform approximation and the stationary phase method in inelastic scattering of heavy ions. (LYCEN – 7702(pt.2)) 369424
Liu, W.K.
DWBA calculations of relaxation and kinetic cross sections. II. 371512
Liu, W.S.
Effects of hydrogen impurities on shock structure and stability in ionizing monatomic gases. 363895
Liu, Y.C.
The study of the width for intermediate resonances in the $^{27}Al(d,p)^{28}Al$, ^{27}Al $(d,\alpha)^{25}Mg$, $^{31}P(d,p)^{32}P$ and $^{31}P(d,\alpha)^{29}Si$ reactions. 372764
Liukkonen, E.
A 4 ns high-spin isomer and a possible quadrupole-octupole coupling in ^{149}Sm. (ZfK – 336) 364798
Livan, M.M.
Search for narrow resonant states in e^+e^- collisions near 6 GeV. 351208
Livaniou, H.J.
Fourier analysis of the light curves of eclipsing variable stars. I. 366723
Livashvili, A.I.
On the problem of summing up ladder diagrams in quantum electrodynamics. 355759
Livdahl, P.V.
Status of the Fermilab Energy Doubler/Saver project. 363291
Liverman, J.L.
Brookhaven National Laboratory, Upton, New York final environmental impact statement. (ERDA – 1540) 357721
Public acceptance of nuclear power in the United States of America. 370590
Safety research experiment facilities, Idaho National Engineering Laboratory, Idaho. Final environmental impact statement. (ERDA – 1552) 362974
Livertovskaya, T.Ya.
Radiolysis of hydrocarbons in the presence of carboranes-12. 349354, 378528
Livi, F.P.
Compacting and high-versatile temperature controller. 365718
Experimental studies in $HfFe_2$ by CAP, Moessbauer spectroscopy and magnetometry. 364065
Experimental study of structure and magnetic properties of the Hf sub(0.1) Zr sub(0.9) Fe_2 for pseudobinary compound. 363941
Livi, R.
New tests of quantum mechanics for multivalued observables. 363801
Livi, R.P.
Electric field gradient in the cubic Ag host generated by different near-neighbour configurations of Pd impurities. 366401
Electric field gradients created by near neighbour impurity atoms in a cubic silver host. 356010
G-factors of the 264 keV and 632 keV states in ^{77}As. (INIS-mf – 4111) 364805
Livingston, A.E.
Material-dependent variations of alignment in beam-foil excitation. 366323
Orientation of fast ions excited in surface collisions. (CONF-770642 – 11) 355857
Thin carbon foil breakage times under ion beam bombardment. 373360
Livingston, H.D.
Windscale effluent in the waters and sediments of the Minch. 351959
Livingston, M.S.
LAMPF: a nuclear research facility. (LA – 6878-MS) 367974
Livingstone, A.E.
Optical observations of the dissociation of fast molecules in thin foils. 366322
Livitan, Zh.S.
Universal method for revealing primary structure in cast alloys on iron-nickel-chromium and nickel-chromium base. 357243
Livnat, A.
The dependence of the conduction electron wave function on the lattice symmetry. (IA – 1338) 364003
Livolant, M.
CEASEMT system of finite element computer programs – use for inelastic analysis in liquid metal cooled reactor components. (IWGFR – 11) 355225
Seismic analysis for the Super-Phenix Reactor. (CONF-761001 – P1) 362972
Vibrational studies and measurements on the Phenix reactor. (IWGFR – 10) 363528

Livolant, Michel
EXCALIBUR – A multigroup code for the solution of the slowing-down transport equation in heterogeneous fast neutron media. (CEA-N – 1995) 359353
Livshits, E.S.
Density and viscosity of LiF – YF_3, LiF – LaF_3 melts. 369593
Livshits, M.A.
On the spectrum of electrons interacting with strong ion-sound turbulence. 374835
Lizurej, G.I.
Beta spectra investigation by the YSNAPP program. (JINR-R – 6-9711) 366990
Double magnetic-lens beta spectrometer for lifetime measurements of nucleus excited states. (JINR-R – 13-9516) 355491
Lizurej, H.
Study of beta-spectra by means of the ST-2 ironless beta-spectrometer with a toroidal magnetic field. (JINR-R – 13-10611) 358363
Lizurej, H.I.
Response function correction for a magnetic beta spectrometer. 376618
Ljubicic, A.
Internal bremsstrahlung in the electron capture decay of ^{145}Sm. 362096
Ljung, S.
Charge asymmetry at large psub(T) in inelastic anti pp reactions at 22.4 GeV/c. 353943
Llano, M. de
Hartree-Fock test of Overhauser's model with a Skyrme force. 361971
Low density clustering effects of Skyrme interactions in nuclear matter. (IFT – 251/77) 351263
Llewellyn Smith, C.H.
Detailed treatment of scaling violations in asymptotically free gauge theories. 356428
Physics with large electron-proton colliding rings. (DESY – 77/38) 353982
QCD calculation of three-jet processes in lepto-production and hadronic mu-pair production. 377716
Scaling violations and neutrino cross sections. 353820
Llewellyn, G.H.
Safety analysis report for packaging: the ORNL HFIR spent-fuel-element shipping cask. (ORNL/ENG/TM – 12) 374036
Thermal design and analysis of the HTGR fuel element vertical carbonizing and annealing furnace. (ORNL/ENG/TM – 1) 352692
Llimous, G.
Application of residual sludge: effects on soil nitrogen and retention of Cd, Cr, Hg and Zn by ray grass. 357458
Llorens-Cortes, C.
Endorplims in several regions of rat brain: large differences between radioimmunoassay and radioreceptor assay. 354946
Lloret, A.
Inclusive V^0 production in anti pp interactions at 12 GeV/c. 353939
Lloyd-Evans, D.J.R.
Geometric aspects of supergauge theory. 350526
Lloyd Owen, D.
An upper limit for the radiative decay width of the J/psi resonance into eta'(958)+γ. 369353
Lloyd, A.T.
On the determination of the half-life of ^{237}Pu. 356890
Lloyd, D.C.
Doses in radiation accidents investigated by chromosome aberration analysis. (NRPB-R – 70) 370518
Expansion of a negative pi-meson peak to cover a range of depths useful for radiotherapy. 365355
Radiation-induced chromosome damage in human lymphocytes. 360287
Lloyd, J.
Some observations on the electron gas model for three-body interatomic forces. 377070
X-ray photoelectron spectroscopic evidence for trapped oxygen species in irradiated $NaClO_3$. 369779
Lloyd, J.B.
The pinocytosis of ^{125}I-labelled poly(vinylpyrrolidone), [^{14}C]sucrose and colloidal[^{198}Au]gold by rat yolk sac cultured in vitro. 360337
LLoyd, J.L.
Application of the Hanbury-Brown and Twiss interferometry to the production of like pions in πsup(-)p collisions at 11.2 GeV/c. 353777
Cross-sections and multiplicity distributions for π sup(-)p interactions at 11.2 GeV/c. 369278
Study of $A_2^- \rightarrow$etaπsup(-) in the reaction πsup(-)p→πsup(-)πsup(-)πsup(+)πdegp at 11.2 GeV/c. 369279
Lloyd, R.
Removal of systemically absorbed ^{109}Cd in mice using a combination of chelating agents. (COO – 119-252) 373589
Lloyd, R.C.
Effect of fixed and soluble neutron absorbers on the criticality of uranium-plutonium systems. 358041, 363123
Lloyd, R.D.
^{224}Ra toxicity from a pilot study in beagles. (COO – 119-252) 373615
DTPA research at the University of Utah. 354857
On the determination of the half-life of ^{237}Pu. 356890
Retention and distribution of ^{241}AmIII in neonatal beagles. 370414
Zn-DTPA administered by slow-release implant. (COO – 119-252) 373592
Lloyd, W.R.
GETR containment leak test study. (NEDO – 12629) 362975
Lluesma, E.G.
Photon induced resonant Raman scattering in CdS. (UEC-S – 147/17/75) 364592
Lo, C.C.
Fast timing discriminator. (LBL – 6707) 366051
Performance studies of varian VPM-154D.6D VPM-154A/1.6L static crossed field photomultipliers. (LBL – 6480) 363619
Transit time spread measurements of microchannel plate photomultipliers. (LBL – 6498) 363617
Lo, H.H.
Energy distribution of electrons from U + O_2 associative ionization. 377140
Lo, Jiunn-Guang
Activation analysis of mercury in urine samples of electrolysis cell workers. 367041
Lo, R.K.
Results of recent TOP and LOF experiments in TREAT. (CONF-761001 – P4) 363007
Lo, Shhi-Yin
An independent determination of SU_3 coupling from inclusive spectra. 369310
Loannidis, G.S.
High multiplicity π^-d interactions at 21 GeV/c. 356503
Lobach, V.A.
Spectrum of Eu^{3+} ion in vanadic garnet. (INIS-mf – 3955) 378303
Lobachev, A.N.
Crystallization and X-ray radiographic investigation into bismuth orthoniobate. 351515
Crystallization in the Sb_2O_3-Nb_2O_5-KF-H_2O system. 354361
Lobachev, M.I.
On pulsed magnetization reversal mechanisms in thin magnetic films in weak fields. 369974
Lobanov, E.V.
Complex of exchange equipment in the PA-BESM-4 system for chamber image processing. 371141
Simulation of nuclear cascades in atmosphere. 361692
Lobanov, V.P.
Surface hardening of austenite steels. 378719
Lobanov, Yu.V.
Synthesis of heavy isotopes of Ku in bombardment of Cm by 0 ions. 349134
Lobas, L.M.
Physicochemical study of $ZrOCl_2$-$ZnCl_2$-H_2O system at 25 deg. 369594
Lobashev, V.M.
Search for a neutron electric dipole moment using ultracold neutrons. (INIS-mf – 3895) 355525
Lobb, D.E.
An interpolation scheme for cylindrically symmetric magnetic fields. 374531
Lobb, R.C.
Measurement of γ'precipitates in nimonic PE16. (CEGB-RD/B/N – 4125) 365135
Lobb, R.J.
Least-squares polynomial analysis and its application to topside ionograms. 362619
Loberg, M.
Technetium-99m-labeled N-(2,6-dimethylphenylcarbamoylmethyl) iminodiacetic acid (/sup 99m/Tc HIDA): a new radiopharmaceutical for hepatobiliary imaging studies. 373687
Lobitz, D.W.
Creep fatigue damage under multiaxial conditions. (SAND – 77-0296c) 363112
Lobkovskij, Eh.B.
X-ray diffraction study of crystals of scandium borohydride tetrahydrofuranate. 359646
Lobl, G.
Determination of the probability distribution of deuterium in metals by channeling. (INIS-mf – 3996) 363976
Lobo Mendez, J.
Inspection of nuclear fuel transport in Spain. (INIS-mf – 3976) 368472
Loboda, E.M.
Neutron irradiation effect on the stability of Guinier-Preston zones and precipitates in the nickel-beryllium alloys. (KFTI – 75-35) 354611
Loboda, N.M.
Preparation method and properties of Nb-Ge superconducting films. 369990
Lobodziec, W.
The determination of dose rate distribution using a computer in electromagnetic beam therapy planning for cancer. 367878
Loboiko, V.I.
On the adsorption-induced fatigue of structural steels in the presence of alcohols. 359829
Lobov, G.A.
Production of superfast pions in collisions of relativistic deuterons with protons and nuclei. 375042
Lobsinger, R.J.
Cladding development and characterization in the United States. (HEDL-SA – 1286) 368249
Lobzhanidze, A.V.
Heat treatment effect on the properties and structure of welded joints of Al-30Be-5Mg alloy. 369975
Loc'h, C.
Application of neutron activation analysis to the study of the variations of the concentration of trace elements in various organs of rats as a function of age. 375311

Locci, A.M.
An image scanner for real time analysis of spark chamber images. (CNEN-LNF – 75-54(R)) 363556
Locher, M.P.
Accurate tests of analytic extrapolations. 375123
Lochstet, W.A.
Radioactive waste: the gift that never stops giving. (ORP/CSD – 77-2) 373888
Locke, D.H.
Pellet cladding interaction for water reactors: Experience, testing and evaluation. 360844
Locke, E.V.
Gas laser. (German (F.R.) patent document 2352650/B/) 371890
Lockerby, W.E.
Canadian heavy water production. (AECL – 5710) 360567, 367859
Lockett, G.E.
Nuclear thermal power plant. (German (F.R.) patent document 1539904/C/) 350236
Reactor core consisting of a number of interspersed groups of identical columns. (German (F.R.) patent document 1817079/B/) 352594
Lockhart, I.A.
Observations of 15 southern extragalactic sources with the Fleurs synthesis telescope. 356203
Lockwood, G.J.
Electron energy deposition in a multilayered carbon – uranium – carbon configuration and in semi-infinite uranium. (SAND – 77-1191) 372571
Locqueneux-Lefebvre, M.
Nitrogen excitation in a high pressure microwave discharge. 353581
Lodding, A.
Quantitative SIMS of tungsten base composite alloys. 369556
Lodestro, L.L.
Stable propagation of an electron beam in gas. (UCRL – 79886) 371923
Lodhi, A.S.
Stopping cross sections of oxygen for 0.3 – 2.0-MeV α particles in saturated alcohols and ethers. 364620
Lodhi, M.A.K.
On primordial $_{126}X_{228}$ and other superheavy elements. 362005
Loeb, W.A.
Spherical containment system has many advantages. 365885
Loeber, C.
Radiometric mass per unit area instruments with adaptive time behaviour. 373954
Loeber, G.
Photochemically induced binding of furocoumarins with lambda phage DNA in situ. 373499
Selected topics in photochemistry of nucleic acids. Recent results and perspectives. 354744
Loebl, A.S.
Analytic dosimetry. (ORNL – 5171) 367539
Public health and demographic statistics. (ORNL – 5171) 367726
Regional Studies Program annual report, January 1 through December 31, 1976. (ORNL-TM – 5838) 362841
Loeche, H.
^{123}I, ^{131}I and sup(99m)Tc-pertechnetate for the evaluation of thyroid function. (INIS-mf – 4010) 370432
Loef, J.J. van
Static neutron depolarization measurements of ferromagnetic domain structures in a FeSi picture frame crystal. 361470
Loeffel, R.
Development of a radionuclide method of mass flow measurement in non-steady state multiphase flows. (KFK – 2435) 357890
Mass flow measurements of unsteady two-phase flows using radionuclide techniques. 367772
Loeffler, F.J.
Measurement of phi production in proton-nucleus collisions at 400 GeV/c. 366877
New limits on $D^0(1.865)$ production in proton-nucleus collisions at 400 GeV/c. 361882
Loehberg, R.
Detection of apparent cracks in magnetic-powder surface crack testing. 370784
Loehneysen, H.v.
Unusual phonon heat transport in an amorphous superconducting PbCu film. 373230
Loehr, B.
Forward photoproduction of neutral pions on polarized protons in the third resonance region. 366890
Forward photoproduction of neutral pions on protons in the third resonance region. 353971, 364582
Loehr, G.
Target stations and beam dumps for the CERN SPS. 363268
Loehr, H.
X-ray doses during roentgendiagnostic of the digestive tract. 370663
Loelgen, R.
Irradiation-induced creep in fuel compacts for high-temperature reactor applications. 370235
Joint programme of uni-axial creep measurements of HTR compacts and matrix material under tensile load at 900°C. 360077
Reloadable graphite creep facility for tensile or compressive experiments. 360105
Uni axial tensile graphite creep capsules with continuous strain registration. 360745
Loelgen, R.H.
Measurement of irradiation-enhanced creep in nuclear materials. 360058, 360060, 360062, 360064, 360065, 360066, 360067, 360068, 360074, 360077, 360078, 360079, 360081, 360082, 360086, 360088, 360089, 360093, 360094, 360098, 360099, 360100, 360105, 360108, 360109, 360121, 360126, 360131, 360132, 360737, 360742, 360744, 360745, 360749, 360750, 360755, 360840
Loell, W.S.
Characteristics of instrumentation and control system failures in light water reactors. (EPRI-NP – 443) 365518
Loem, U.
Differential inhibitory effect of 5-fluorouridine on RNA labelling in dipteran salivary gland cells. 373769
Loenborg-Jensen, H.
Mean transit time of ^{133}Xe in the lungs. (INIS-mf – 4010) 370440
Loeppert, R.H.
Application of high-pressure liquid chromatography to studies of extractable soil organic matter. Porous silica packings. 357481
Loercher, G.
Laser-Doppler-measurements of power-density-spectra in a turbulent channel flow. (KFK – 2448) 349976
Loesch, H.J.
Differential cross section for the electronically inelastic process $K(4^2S) + N_2 (v = o) \rightarrow K(4^2P) + N_2 (v')$ near threshold. 353301, 377071
Loesche, A.
NMR investigations of the melting behaviour of mesogen compounds. 371637
Loesse, B.
Right and left-ventricular function before and after aorto-coronary bypass surgery. (INIS-mf – 4010) 362823
Loessner, V.
A whole-body counter for radiation protection purposes. 355050
Loevhoeiden, G.
Spectroscopy of ^{121}Te and ^{124}Te from the sup(120,123)Te(d,p) sup(121,124)Te reactions. 356822
A study of high spin states in ^{151}Gd. 356889
Vector analyzing powers for the (d,t) reaction to a transitional nucleus ^{147}Nd. 359526
Loew, G.A.
Electron linac design for pion radiotherapy. 363292
Microwave developments at SLAC. 363216
Single bunch beam loading on the SLAC three-kilometer accelerator. 363280
Loew, W.
Analysis of x-ray spectra excited by x rays, electrons, and protons in monazite. 351322
Loewenhaupt, M.
Neutron spectroscopy of 0.6 meV crystal field transitions in doped superconductors. 369991
Spin dynamics of a Kondo system in the presence of crystal fields. 378674
Loewenhielm, G.
Linear extrapolation distance for a black cylindrical control rod with the pulsed neutron method. (CTH-RF – 31) 376415
Loewenkamp, H.
Application of the electroslag remelting process for the production of heavy turbine rotors. 359866
Loewenstein, W.B.
Low sodium void coefficient LMFBR cores. (CONF-761001 – P2) 363013
Nuclear safety research at EPRI. 360458
Thorium-based fuels in fast breeder reactors. 368233
Validated analysis capability for the Nuclear Electric Utility. 360880
Loferski, J.J.
Ionization enhanced annealing in phosphorus implanted silicon. 368882
Some effects of heat treatment and electron irradiation on the cathodoluminescence spectra of $CuInS_2$. 351899
Logachev, V.I.
Observation of solar cosmic rays during the flare of April 29, 1973. 356182
Production of multicharged nuclei on the Sun. 356277
Logachev, V.P.
Some specific features of redundant radiation at altitudes of 200-300 km. 357539
Logachev, Yu.I.
Analysis of the complex solar particle event on April 29-30, 1973. 366700
Composition of penetrating radiation over the Earth atmosphere by the Kosmos 721 data. 357551
Correlation of propagation characteristics of solar cosmic rays detected on board the spatially separated space probes Mars-7 and Prognoz-3. (KFKI – 77-38) 356242
An experiment to study electrons of solar origin by Prognoz satellites. 348997
North-south asymmetry and anisotropy of solar cosmic radiation during the April 18, 1972 flare. 378923
On relation of low-energy proton fluxes with variations in the geomagnetic field. 376049
Study on trapped radiation by the Kosmos-426 satellite. 378947
Logan, B.A.
Internal bremsstrahlung in the electron capture decay of ^{145}Sm. 362096
Logan, B.G.
Proposed E-beam stabilization of neutral beam sustained mirror plasmas. (UCID – 17633) 377472
Prospects for a DD tandem mirror. (UCRL – 79641) 358974
Logan, C.M.
A compact beryllium target for production of fast neutrons. 355196

Rotating target neutron generators. 355173
Sputtering of niobium by energetic neutrons and protons: A round-robin experiment. 350569

Logan, D.
Validity of shell theory for layered media. (INIS-mf – 3847) 358082

Logan, G.
Prospects for DD tantem mirror. (EPRI-ER – 536-SR) 374836

Logan, R.K.
Three-body annihilations of antinucleon-nucleon and the quark rearrangement model. 361823

Logan, S.E.
An assessment methodology of environmental risks associated with radioactive waste management. 368397

Loganov, M.I.
Decarburization of the chromium-containing melt. 375774

Logic, J.R.
Visualization of atrial myocardium with thallium-201: case report. 373649

Loginov, A.Yu.
On stage mechanism of hydrogen catalytic oxidation on rare earth oxides. 354351
Reactive forms of oxygen on surfaces of rare earth oxides in low-temperature reactions of catalytic oxidation. 369661
Specific features of formation of O_2^- anion radicals on surface of rare earth oxides. 349255

Loginov, S.V.
Synthesis of cesium-, rubidium- and ammonium perchlorastocobaltates (2). 378330

Loginov, V.E.
Investigation of certain mechanical properties of sprayed material. 367267

Loginov, V.T.
Structure and some properties of chromium-nickel-manganese steels containing nitrogen after plasma arc remelting. 365146

Logovskaya, G.K.
Some particularities in interpreting the geophysical complex exploration of holes in the fields of the Gryazevaya Sopka after Azi Aslanov. 362579

Logunov, A.A.
Does u-channel in t-plane influence on behaviour of forward scattering differential cross sections at high energies forward scattering differential cross sections at high energies. (IFVE-OTF – 76-20) 349068
Equation for density operator and scaling properties of inclusive cross section. 361764

Logunov, A.V.
Molybdenum thermal conductivity and electrical resistance in the temperature range of 300 to 2600 K. 378663
Solution temperatures of hardening intermetallic phases in heat-resisting nickel alloys. 369992

Logunov, V.Ya.
Dispersion hardening of high-manganese iron alloys alloyed with niobium and vanadium. 367232

Logvinenko, V.A.
Binuclear complexes of EDTA. 351535

Loh, E.C.
Measurement of light emission from remote cosmic-ray air showers. 365315

Loh, J.C.Y.
Gas detector and method for its fabrication. 361079

Lohbreier, J.
Metabolism and toxicity of therapeutic chelating agents Pt. 15. 365476

Lohdi, A.S.
Question of pure or applied research in developing countries. 352825

Lohe, M.A.
Structural properties of the self-conjugate SU(3) tensor operators. 350527
Two- and three-dimensional instantons. 355792

Lohkamp, F.
Craniofacial diagnosis by the whole-body computer tomograph (Delta-Scanner, Fa. Ohio Nuclear). 370483

Lohmann, W.
The open star cluster NGC 2362. 366724
Study of the reactions $\pi^+p \rightarrow \pi^0\Delta^{++}(1236)$, eta Δ^{++} (1236) and eta'Δ^{++} (1236) at 16 GeV/c. 372526

Lohnert, G.
Development proposals for large pebble-bed cores – equilization of the pebble flow and modified shutdown system. 379690
Pebble bed reactor with one-zone core. (German (F.R.) patent document 2545013/A/) 365936
The shutdown concept of a 3000 MWth process heat reactor. 370977

Lohr, J.M.
Studies of doublet plasmas in Doublet IIA. 358942

Lohr, W.
Apparatus for measuring the nuclear radiation of a sequence of radioactive samples. (US patent document 4,029,961/A/) 363578
Arrangement to measure the nuclear radiation of a series of radioactive samples. (German (F.R.) patent document 2558242/A/) 355152

Lohrmann, E.
Evidence for the tau → γrhoπ decay mode. 372500
Measurement of the branching ratios for the decays J/psi(3.1) → fω and J/psi(3.1) → Bπ. 372506
Measurement of the J/psi radiative decay into $f^0(1270)\gamma\gamma$. 377779

Lohs, K.P.
Elastic and charge exchange scattering of pions on ^{3}He in the (3,3)-resonance region. 354085
Multistep contributions to $^{13}C(\pi^+, \pi^0)^{13}N$ within a modified eikonal formalism. 369437

Lois, L.
Clad relocation dynamics: the physics and accident evolution implications. (CONF-761001 – P4) 363027
LMFBR accident energetics and their role in licensing. (CONF-761001 – P2) 365609

Loiseaux, J.-M.
The giant resonance region of ^{90}Zr via elastic scattering of 57.5MeV polarized protons. (ISN – 77-28) 359514

Loiseaux, J.M.
Giant resonances as doorways states in ^{12}C. (ISN – 77-43) 369476

Lojewski, D. von
Long-distance energy as an element of heat, power and synthesis gas supply taking account of its introduction to the market. 370978

Lojko, E.V.
Device for detection of nonhomogeneities in liquids. (Soviet patent document 432438/A/) 350380

Lokajicek, M.
On the decay theory of unstable particles. 354030
Stripping model of hadron collisions and antiproton-proton annihilations. 353860

Lokan, K.H.
Photoneutron cross sections in ^{7}Li. 356759

Lokanathan, S.
Charged particle multiplicity in 400 GeV/c p-nucleus interactions in nuclear emulsion. 372498
Direction of EFG principal axis in certain Biotite and phlogopite micas by Moessbauer technique. 366398
Electric field gradient in biotite mica. 371576
Possibility of tracing the geothermal history by Moessbauer study on heat treated micas. 366399
Search for anisotropy in Moessbauer absorption in biotites. 366466

Lokar, J.
Activation analysis – is the necessary method for determination of element traces in standard samples. (INIS-mf – 3994) 378133

Loken, M.K.
Computers. A perspective on their usefulness in nuclear medicine. 355696

Lokhankina, L.K.
Strength and viscosity of welded joints of the 03Kh13AG19 steel. 375899

Lokhman, V.N.
Experimental selection of molecules for isotope separation by multiple-photon dissociation in an intense IR field. 364935

Lokke, W.A.
Calculations of impurity radiation and its effects on tokamak experiments. 348928
Steady state radiative cooling rates for low-density high-temperature plasmas. (PPPL – 1352) 359001
XSNQ-U: a non-LTE emission and absorption coefficient subroutine. (UCRL – 52276) 350890

Lokot', G.P.
Investigation of germanium iodide thermodynamic properties. 359647

Lokshin, A.I.
Study of rare earths separation process from radioactive impurities. 357083

Lokshin, B.V.
Bromination of zirconium and hafnium acetylacetonate derivatives. 354323

Lokshin, F.L.
Determining heating time for titanium alloys in molten salts. 359946

Loktionov, V.S.
Effect of ultrasonic treatment of liquid melt on micro-chemical inhomogeneity and plasticity of nickel base heat resisting alloys. (INIS-mf – 3914) 349523

Loktyushina, N.S.
Spectral transformation of radiation in lanthanum chloride monocrystals activated by praseodymium and neodymium. (INIS-mf – 3955) 378281

Lola, V.N.
Cold-rolled sheets production of stainless martensito-ageing steel smelted by vacuum arc and electroslag techniques. 349412

Loladze, T.D.
On the problem of the oscillation excitation on the solitary wave front. (INIS-mf – 3255) 350891

Loladze, Ts.D.
On the problem of wave transformation on the dielectric-turbulent plasma interface. (INIS-mf – 3255) 350892

Lomakin, E.M.
Dynamical feedback control of the current plasma column position and stability in toroidal systems. (INIS-mf – 3963) 371810

Lomakina, L.N.
New complex compounds of osmium (4,8) and ruthenium(4) with 2-mercaptobenzimidazole, 2-mercaptobenzoxazole and 2-mercaptobenzothiazole. (INIS-mf – 4192) 375426

Lomako, L.T.
On methods for the operational chemical control of the nitrogen tetroxide coolant. 349172

Lomako, V.M.
Contribution of inelastic nuclear interactions into defect formation in gamma-irradiated gallium arsenide. 350744
Electrical properties of gallium arsenide irradiated with electrons and neutrons. 373355

Lomas, P.J.
Electron and ion heating by neutral injection in DITE tokamak. (INIS-mf – 3963) 353553

Lombaard, J.M.
Depth profiling of oxygen in oxidized ceramic Si_3N_4 with the backscattering technique. 354299
Lombar, R.M.
On polarization phenomena in some nuclear reactions induced by protons in light and intermediate nuclei. 375198
Lombard, R.J.
A semi-empirical correlation energy for nuclei. 372581
Lombardi, M.
Collisional angular momentum transfer in Rydberg states of helium. 355872
Lombardo, U.
A complete Lagrangian formulation of superconductivity. 353725
Lomberg, B.S.
Saturation of the EhP310-steel with nitrogen during plasma-arc melting. 351790
Lomenick, T.F.
Terminal storage of radioactive wastes in geologic formations. (CONF-760744 –) 358526
Viewgraph notes: geologic aspects of terminal storage of radioactive wastes. (Y/OWI/TM – 39) 374439
Lomer, J.N.
Electron paramagnetic resonance in electron-irradiated type-IIa diamond annealed to high temperatures. 370182
EPR studies or irradiated diamond. 360106
Lomidze, O.N.
Information exchange of the user's job with the terminal in the 'Dubna' operating system for the BESM-6 computer. (JINR-R – 11-10617) 376856
Lominadse, D.G.
Cyclotron waves in plasma. 374837
Lominadze, D.G.
Alfven wave instability in a two-component tokamak. (IAE – 2615) 348888
Collisionless shock wave structure stipulated by Bernstein's modes. (INIS-mf – 3255) 353570
Some problems in the theory of tokamak microinstabilities. (IAE – 2584) 361585
Trapped alpha-particles cyclotron instability in a tokamak with elliptical cross-section. (IAE – 2664) 356124
Lominadze, J.G.
Nonlinear saturation of the dissipative trapped-electron instability. 358925
Lommatzsch, P.
Contribution to the problem of postradiational lesions of the blood vessels after irradiation of choroidal tumors by $^{106}Ru/^{106}Rh$ applicators. 367527
The semiconductor detector probe 72030, with the RFT radiation measuring unit 20026, for the diagnosis of intraocular tumors. 355500
Lomonosov, V.I.
Experiments on the water-oil contact repulsion on a model of a well using $C^{13}(\gamma,n)C^{12}$ reaction. (KIYI – 76-19) 349642
Photoactivation analysis for silver, hafnium and gold content in rocks and ores. 376028
Using scintillation gamma spectrometry in photoactivation analysis. 376027
Lomonosov, V.V.
Interaction of neutrons with a matter in the field of a strong electromagnetic wave. 377582
Lomovtsev, V.F.
Investigation of electrode processes during electrorefining of hafnium. (INIS-mf – 4189) 375434
Study of high-temperature hydrolysis of melts K_2TaF_7-KCl-NaCl and K_2NbF_7-KCl-NaCl. (INIS-mf – 4187) 375477
Lomozik, L.
Investigation into complex compounds of some light rare earths with methylthymol blue. 351597
Polynuclear rare earth complexes with methylthymol blue. 359719
Lomsadze, Yu.M.
Axiomatic equalities for zeros of scattering amplitudes and formfactors of hadrons. 356436
Construction of the Wightman axiomatic scheme for concentratable field. 366282, 368561
New integral axiomatic restrictions for hadron scattering amplitudes. 375043
New local oxiomatic restrictions for the differential cross-sections. 350528
Lonchampt, M.F.
Effect of tin on the tissue distribution of /sup 99m/Tc – sodium pertechnetate. 362764
Londergan, J.T.
Correlation expansion of the optical potential. 359397
Inverse scattering problem with isobars. 359288
London, R.
Shock model for infrared line emission from H_2 molecules. 372210
Long, C.J.
Application of advanced composites in tokamak magnet systems. (ORNL/TM – 6047) 371931
Interactions between conductor strain and other magnet system design parameters. (CONF-771029 – 74) 371930
Mechanical design of ORPUS-3. (CONF-771029 – 149) 377533
Long, D.
Multichannel Thomson scattering apparatus. (PPPL – 1356) 356090
Long, D.A.
The pure rotation Raman spectra of $^3H_2$ and SO_3 and the vibration-rotation Raman spectrum of $^3H_2$. 366326
Long, D.D.
Two-photon decays of pionic carbon. 354252
Long, E.L. Jr.
ORR irradiation experiment OF-1: accelerated testing of HTGR fuel. (ORNL – 5234) 365953
Stoichiometric effects on performance of high-temperature gas-cooled reactor fuels from the U – C – O system. 365922
Long, H.A.
High temperature reactor needs special monitoring and control. 358414
Long, J.
The plasma focus as a large fluence neutron source. 353659
Long, J.W.
Assembly mechanism for nuclear fuel bundles. (US patent document 4,064,004/A/) 379573
Device for assembly and disassembly of nuclear reactor fuel element clusters. (German (F.R.) patent document 2515572/A/) 350162
Long, K.S.
OSO-8 X-ray polarimeter and Bragg crystal spectrometer observations. 369174
Search for thermal X-ray line emission from the Crab Nebula. 359110
Long, M.A.
A radiation grafting technique for the immobilization of enzymes and the heterogenizing of catalytically active homogeneous metal complexes. 369775
Long, P.E.
Modeling the dispersion of atmospheric pollution using cubic splines and chapeau functions. (DP – 1455) 373853
Long, R.L.
Implementation of availability engineering in the nuclear utility industry. 379610
Longair, M.S.
The angular diameter-redshift test for large redshift quasars. 366742
The angular diameter-redshift test for quasi-stellar radio sources with large redshifts. 374918
Interpretation of source counts and redshift data in evolutionary universes. 366774
Young galaxies, quasars and the cosmological evolution of extragalactic radio sources. 366725
Longequeue, J.-P.
High spin levels in ^{50}V observed in the $^{48}Ti(\alpha,pn\gamma)$ reaction. (ISN – 77-39) 359483
High spin states in $_{23}{}^{50}V_{27}$. (ISN – 77-22) 369480
Positive parity high spin states in ^{63}Cu. (ISN – 77-23) 369512
Longequeue, J.P.
High spin states in ^{62}Cu. (ISN – 77-24) 359536
High spin states of ^{50}V observed via the $^{48}Ti(\alpha,pn\gamma)$ reaction. 372758
High spin states of ^{62}Cu. 372822
Yrast states in ^{62}Cu. 356731
Longequeue, N.
^{16}O-^{12}C scattering: description of the gross structure features using an optical model. 354056
Complete identification of products of the reaction $^{20}Ne + ^{12}C$ at 110 MeV. 354239
Longest, A.W.
Vented fuel experiment for gas-cooled fast reactor application. 379780
Longinotti, L.D.
X-ray photoelectron spectroscopy in rare-earth hexaborides. 357352
Longinov, A.V.
Device for electromagnet waves excitation in a plasma. (Soviet patent document 434891/A/) 353582
Tecnique for deuterium or deuterium-tritium plasma heating. (Soviet patent document 342560/A/) 350893
Longmore, A.J.
A new optical supernova remnant in Crux. 359117
The young cluster NGC 5367 and A1353-40. 349037
Longo, E.
Computational method to obtain isoelectronic density curves. 350644
Longree, M.
K-shell ionization of heavy atoms by 40 – 110-MeV α particles. 363879
Longson, B.
Some aspects of the mass transfer behavior in sodium of steels of interest to the UK Fast Reactor Programme. (CONF-760503 – P2) 352783
Longuemare, C.
Study of neutrino proton elastic scattering in the 'Gargamelle' freon experiment. 377821
Longworth, G.
Moessbauer effect study of iron-implanted copper alloys. 374723, 374746
Lontsikh, S.V.
Choice of optimum conditions for X-ray spectral analysis by the method of internal standard and their application to certification of standard samples. 364903
Lonzen, G.
Studies on a fibre insulation in the pressure suppression test stand. (Juel – 1405) 365920
Loo, B.W.
Automated elemental analysis using energy dispersive x-ray fluorescence analysis. (LBL – 7211) 379257
Loo, W.P.V.
The separation of the rare earths and other trace elements from kimberlite minerals by radiochemical techniques and their determination by neutron activation analysis . 354665

Loogen, F.
Right and left-ventricular function before and after aorto-coronary bypass surgery. (INIS-mf – 4010) 362823
Look, G.W.
Analysis of recent data on the parton distribution functions for polarized protons. 351974
Comparison of recent high-p/sub tr/data with the effective-gluon model. 372411
Effective-gluon model description of inclusive meson production in π^{+-} p and pp collisions. 372457
Loomis, B.A.
Void ordering in ion-irradiated Nb and Nb-1%Zr. 370183
Loomis, G.G.
Investigation of alternate ECC injection concepts in the semiscale Mod-1 system. (TREE-NUREG – 1117) 370563
Reflood heat transfer in the Semiscale Mod-1 core during forced feed reflood tests. 376527
Looney, L.D.
Transient radiation effects in low loss optical waveguides. (LA-UR – 77-1564) 365235
Loong, C.K.
Field induced magnetic form factor of γ-Ce. (IS-M – 113) 373273
Loore, C. de
Mass loss in stars of moderate mass by stellar winds, and effects on the evolution. 369150
Loos-Neskovic, C.
Determination of carbon in metals by photon activation. 364864
Loos, J.S.
Investigation of π^{+}Ne and π^{-}Ne interactions at 10.5 GeV/c. 372541
Loosch, R.
The international nuclear fuel cycle evaluation program (INFCE). 380108
Lopata, V.J.
Effect of a magnetic field on the fluorescence produced in irradiated anthracene solutions. 362253
Lopatin, I.V.
π-meson chanel of the LIYF AS USSR synchrocyclotron. 360721
Lopatina, G.B.
Study on captured radiation on the "Kosmos-426" satellite. 4. Structure of electron fluxes on outer bound of the geomagnetic trap. 376048
Lopatina, V.S.
Gamma-induced reactions of organic tin hydrides with unsaturated compounds. 359792
Tin interaction with organic chlorides in ionizing radiation field. 349355
Lopatko, I.D.
Data processing method in polarization studies of elastic proton scattering. (KFTI – 75-15) 362006
Lopatto, Yu.S.
Properties of carbon-carbon composition materials of the type of syntactic foams. 378819
Lopes, C.O.
Study of thin, epitaxial films by means of x-ray diffraction. 350754
Lopez-Berrios, A.M.
Measurement of the K/sub L/ $\rightarrow \pi^{+}\pi^{-}$ branching ratio. 372530
Lopez Perez, B.
Experience gained and technology developed by the Spanish Nuclear Energy Board (JEN) in radioactive waste management. 358462
Spanish programme for disposal of radioactive wastes. 368402
Lopez-Rios, T.
Al (1,1,1) surfaces investigated by optical excitation of surface plasmons. 368831
Lopez-Rodriguez, M.
Public acceptance of nuclear development in Spain. 352259
Lopez-Sancho, J.M.
Interaction of NO with a hot polycrystalline tungsten filament. 369993
Lopez, A.M.
Reactor physics measurements at Bruce Nuclear Generating Station-A. 358275
Lopez, C.
An absolute bound on the ππ P-wave scattering length. 364466
Crossing constraints on the t-channel isospin-1 ππ amplitude. 361293
Lopez, C.A.
Convolution regularization and gauge invariance. 363802
Convolution regularization in quantum electrodynamics. 368562
Gravitational energy from a quadratic Lagrangian with torsion with torsion. 353111, 355793
Lopez, V.
Collision models of intra-multiplet transitions at thermal energies. 353339
Collision models of intramultiplet transitions at thermal energies. 368644
Lopushanskij, V.A.
Multispecimen test machine for fast evaluation of steam turbine condenser tubes performance. 375732
Loqachev, Yu.I.
Study of coronal and interplanetary propagation of solar particles following the E45 deg solar flare on July 29, 1973. (KFKI – 77-39) 356243
Lorain, Henri
EXCALIBUR – A multigroup code for the solution of the slowing-down transport equation in heterogeneous fast neutron media. (CEA-N – 1995) 359353
Lorant, M.
Ion bombardment of stainless steel. 367335
Lorber, J.
Optimal set of selected enrichments that minimizes blending consequences. 352923
Lord, D.C.
Determination of elastic coefficients for Zircaloy-2. 362387
Lord, E.A.
Hadron dilation, shear and spin as components of the intrinsic hypermomentum current and metric-affine theory of gravitation. 361276
Hypermomentum and the microscopic violation of the Riemannian constraint in general relativity. 353088
The metric-affine gravitational theory as the gauge theory of the affine group. 376922
SO(4,2)-covariant formulation of the Bargmann-Wigner equations. 371407
Lord, K.A.
Note on pesticide residues as a function of formulation used. 379165
Lord, R.S.
Design status of a separated-sector cyclotron booster accelerator for the Holifield Heavy Ion Research Facility. (CONF-770313 – 82) 365752
Lordello, A.R.
Spectrographic determination of rare earths in thorium compounds. Chromatographic preconcentration in an acid-ether-cellulose system. (IEA – 415) 354284
Spectroscopical analysis of copper, iron, lead, zinc and gold in high purity metalic silver. (IEA – 411) 356960
Study of the efficiency of AgCl, In_2O_3, Ga_2O_3, NaF, LiF and SrF_2 as spectrographic carriers in the quantitative analysis of eighteen microcompound elements in uranium. (IEA – 467) 364869
Lordi, D.T.
Dead water in wells of the Greater Chicago area. 365307
Lore, F.
Study of the intestinal radiocalcium absorption by external counting in man. (INIS-mf – 4010) 370438
Lore, J.
Isotropic nuclear graphites; the effect of neutron irradiation. (CEA-CONF – 4031) 370184
Loren, R.B.
Monoceros R2 cloud: Near-infrared and molecular observations of a rotating collapsing cloud. 351044
Lorenc, P.
A non-static source of the Taub solution of Einstein's gravitational equations. 353089
Lorents, D.C.
Nuclear fission fragment excitation of electronic transition laser media. (CONF-760646 –) 371932
Lorentso Dzhiakvinto
Method for preparation of sintered pellets of uranium dioxide. (Soviet patent document 460636/A/) 378564
Lorentz, D.G.
Methodology for qualifying Westinghouse PWR-SD supplied NSSS safety related electrical equipment. (WCAP – 8587(Rev.1)) 365567
Lorenz, A.
Compilations and evaluations of nuclear structure and decay data. (INDC(NDS) – 91/LN) 356827
First meeting of the atomic and molecular data centre network, Vienna, 9-13 May 1977. Summary report. (INDC(NDS) – 88/GB) 356134
IAEA advisory group meeting on nuclear structure and decay data for applications. Vienna, Austria, 3-7 May 1976. (INDC(NDS) – 79/LN) 349094
Minutes of the second meeting of the Joint IFRC/INDC sub-committee on atomic and molecular data for fusion, Vienna, 14 May 1977. (INDC(SEC) – 63/GA) 356133
Lorenz, H.
Derivation of time dependent design-values for SNR 300 structural material. (IWGFR – 11) 354532
Influence of creep-fatigue interaction on behaviour of type 304 stainless steel. (IWGFR – 11) 355218
Lorenz, J.J.
CRBRP outlet plenum behavior during steady state and transient conditions. 371027
Study of the density interface in a stratified LMFBR outlet plenum. 371035
Lorenz, U.
Passivation of germanium detector surface. 371135
Lorenz, W.J.
Investigation and application of pattern recognition techniques to medical picture data (scintigrams). 376231
A whole body counter for the detection, identification and localization of incorporated radionuclides over a wide range of energies and intensities. 355026
Lorenzelli, R.
Thermal expansion of mixed oxides U(Pu)Osub(2-x) as a function of the deviation from stoichiometry. 370115
Lorenzen, J.
Absorption measurements of the principle series lines of Cs broadened by Xe. 353302
Lorenzini, E.
Consequences of a step variation in coolant temperature on a fuel rod with cladding. 358085
Loret, M.
Λ and anti Λ production in K^{+}p interactions at 32 GeV/c. 372512
Loretto, M.H.
Electron microscopy studies of point defect clusters in metals. 351889

Loria, A.
Absolute estimation of radon daughter concentrations in air by α-spectrometry. 374290
Lorikyan, M.P.
Particle detection by the controllable secondary electron emission method. (EFI - 178(24)-(76)) 350313
Wide gap spark chamber with mylar walls. 379907
Loring, C.M.
Design philosophy and use of high voltage power systems for multi-megawatt ion beam accelerators. (CONF-771029 - 68) 371736
Program plan for electron cyclotron heating experiments on the ISX tokamak. (ORNL/TM - 6011) 371835
Loriot, Pierre
A device for holding in position the pins of a cluster inside the casing of an assembly intended for nuclear reactors. 355456
Lornie, P.R.G.
Gamma ray spectroscopy in ^{64}Zn - levels below 3.1 MeV in excitation. 369509
High spin states in some Zn isotopes. 356796
Lifetimes in ^{61}Ni measured by the recoil distance technique. 351425
Nuclear spectroscopy in ^{63}Zn: states below 1.5 MeV. 369496
Lorrain, S.
Stability of various RTL calcium sulfates used for environmental measurements. 355547
Lortz, D.
Stable toroidal MHD equilibria with rotational transform and without longitudinal current. (INIS-mf - 3963) 353583
Lorup, C.
An autoradiographic study of the ^{3}H-uridine and ^{3}H-thymidine incorporation in the regenerating mouse liver. 354893
Loryan, V.Eh.
Self-spreading processes of solid solutions formation in zirconium-nitrogen system. 359587
Los, J.
Differential cross section for collision of alkali ions and atoms, ch. 5. (INIS-mf - 4090) 366381
Differential cross sections for collisions of alkali ions and atoms, ch. 6. (INIS-mf - 4090) 366382
Differential scattering cross sections for collisions of alkali ions and atoms. II. 361404
Dissociative excitation of H_2 and D_2 by electrons. 358786
Emission cross sections of Balmer-α, β, γ radiation for electrons (0-2000 eV) on H_2 and D_2. 355903
How ionic is Na at a partially covered W(110) surface. 368863
The influence of the rate of bond stretching on the differential cross sections for ion-pair formation in K + XY collisions. 355853
Ionization at metal surfaces. 361465
A position dependent particle counter using microchannel plates, ch. 2. (INIS-mf - 4090) 366043
LoSasso, T.
Americium-241 in bile and feces. (COO - 3382-16) 379106
Chelation of curium in the adult baboon using Ca- and Zn-DTPA. (COO - 3382-16) 379105
Effect of alcohol on internally deposited Am-241 in the baboon: a pilot study. (COO - 3382-16) 379090
Long term behavior of Am-141 in an adult and a youth. (COO - 3382-16) 379104
Metabolic model for uranium metabolism in man. (COO - 3382-16) 379126
Uranium and thorium decorporation: a review. (COO - 3382-16) 379107
Losev, N.F.
Choice of optimum conditions for X-ray spectral analysis by the method of internal standard and their application to certification of standard samples. 364903
Losh, L.L.
TACO: fuel pin performance analysis. (BAW - 10087A(Rev.1)) 373869
Loshak, M.G.
Effect of plasticity deformation on solid alloys strength. 349573
Loshakova, N.N.
Phase transformations in VT22M titanium base alloy during heat treatment. 351754
Loshek, D.D.
Interaction of hyperthermia and radiation: temperature coefficient of interaction. 360230
Interaction of hyperthermia and radiation: the survival surface. 360229
Loshkarev, B.A.
Nickel titanate effect on the sintering and certain electrophysical properties of strontium zirconate. 360020
Loshkarev, M.A.
Co-adsorption of tertbutyl amine and tertbutanol and its effect on rate of cadmium deposition on amalgam dropping electrode. 378354
Effect of nature and filling degree of organic adsorbate on kinetics of electrode processes. 357036
Loshkarev, Y.M.
Amperometric titration of mercury by a unithiol solution. (KFK-tr - 530) 351581
Loshkarev, Yu.M.
On the role of adsorbed metals with organic and inorganic ligands in electrode reactions. 357074
Some aspects of theory and practice of electrodeposition of metals and alloys during adsorption of surfactants on electrodes. 369662
Loskiewicz, J.
Geostatistical method of interpretation of nuclear well logs. 375974
A study of πsup(+), πsup(-) and proton production in pp interactions at 69 GeV/c. 361867
Loskutov, A.V.
A mixed problem for Einstein equations and an approximate method of its solution. 358666
Losonsky, W.
Screening effect in Coulomb excitation of hydrogenic atoms by heavy projectiles. 358778
Loss, F.J.
Structural integrity of water reactor pressure boundary components. Progress report ending 31 May 1977. (NRL/NUREG/MR - 3600) 365864
Loter, N.G.
CO_2 laser irradiation of solid targets in strong magnetic fields. 368955
Loth, K.H.
Determination of reactivity effects in power operation of a reactor based on perturbation measurements. 355395
Lotnik, S.V.
Solid-phase chemiluminescence and electrochemiluminescence of sulfuric-acid solutions of uranyl. (INIS-mf - 4195) 375646
Lototskij, V.B.
On the anomalous temperature dependence of X-ray interference intensity of V_3Si. 364016
Lotsch, H.
On the infra-red finiteness of massless BPHZ renormalized quantum electrodynamics. 363803
Lotsmanova, I.N.
Mechano-thermal treatment of armco-iron. 349453
Lotter, M.G.
Advances in computer applications in radioactive tracer studies of the circulation. 355701
Bone marrow imaging with iron 59. 376143
Lottes, G.
The influence of statistical noise on the image reconstruction in longitudinal computerized emission tomography. (INIS-mf - 4010) 363579
Lotts, A.L.
Developments in reprocessing technology for high-temperature and fast-breeder fuels. 367189
HTGR fuel and fuel cycle technology. 368174
Thorium utilization program progress report, July 1, 1975 - September 30, 1976. (ORNL - 5266) 357200
Lotts, V.
Magnetic field of the single-cut toroidal torsatron. (KFTI - 74-36) 350797
Lotz, U.
Fast neutron dosimetry by track detection with cellulose nitrate films. 368305
Lotze, K.H.
Quantization in static gravitational fields. 353166
Lou, H.C.
Low cerebral blood flow in hypotensive perinatal distress. 357645
Lou, K.
Heavy ion facility for radiation therapy. 363289
Lou, V.
Application of high-resolution TEM to ceramic science. 373300
Louat, A.
Ligand field parameters for europium(III) in gadolinium, yttrium, and lutetium orthovanadates. 355880
Loubet, M.
Behavior of the rare earth elements in the Oklo natural reactor. 354666
Loubser, J.H.N.
Optical spin-polarisation in a triplet state in irradiated and annealed type 1b diamonds. 360107
Loubser, R.S.
Development and progress of the South African enrichment project. 367853
Louck, J.D.
Structural properties of the self-conjugate SU(3) tensor operators. 350527
Loudon, G.M.
Hydrolysis of α-acetoxystyrenes. Kinetics and investigations of ^{18}O exchange. 357045
Louedec, C.
General features of anti pp interactions at 32 GeV/c. 353973
Lougheed, G.D.
A study of ^{28}Si using shell-model and statistical spectroscopic methods. 377947
Lougheed, R.W.
Mass asymmetry and total-kinetic-energy release in the spontaneous fission of ^{262}[105]. 369464
New isotope of californium: ^{255}Cf. (BNL-NCS - 22500) 356828
New isotope of curium: ^{251}Cm. (BNL-NCS - 22500) 356829
Search for superheavy elements in the bombardment of ^{248}Cm with ^{48}Ca. 351372
Loughhead, R.E.
A new determination of the granule/intergranule contrast. 366671
Louis, L.
Indium-111-labeled cellular blood components: mechanism of labeling and intracellular location in human neutrophils. 373630
Louis, W.C.
Ratio of neutral-current to charged-current cross sections for inclusive neutrino interactions in hydrogen. 351220
Loukota, J.J.
Digital SLIFER Recorder, Model A. (SAND - 77-0930) 379967

Lounsbury, J.W.
Citizens' views about the proposed Hartsville Nuclear Power Plant: a survey of residents' perceptions in August 1975. (ORNL/TM – 5801) 349904
Lourme, P.
Possibility of adapting high-temperature reactors with steam turbines to European conditions. 379670
Louro, S.R.W.
Interpretation of copper (II): hemoglobin EPR spectra. (PUC-TN – 22/76) 351996
Lousteau, D.C.
Evaluation of the fatigue resistance of CDA 182 copper for use in the impurity study experiment fusion research tokamak (ISX). (ORNL – 5302) 377379
Louttit, R.I.
Charm and strange particle production in neutrino interactions. 353950
Louwrier, K.
Long term leaching of silicate systems: testing procedure, actinides behaviour and mechanism. (KFK – 2456) 354352
Louwrier, K.P.
Safe handling of kilogram amounts of fuel-grade plutonium and of gram amounts of plutonium-238, americium-241 and curium-244. 360692
Louzada, E.G.
The penetration of a local magnetic field through large sheets of type-I superconductors. 372321
Lovas, R.G.
Fluctuations in the Lane potential and (p,n) transitions to anti-analogue states. 362007
Strength decoupling from the giant dipole resonance upon diagonalizing a Gaussian force and a delta-force on a particle-hole basis. 372602
Lovchikova, G.N.
Measurement of prompt neutron spectrum in spontaneous fission of ^{252}Cf. (INIS-mf – 3896) 356810
Nanosecond ion pulse production at the FEI EGP-10M charge-exchange electrostatic accelerator. (FEI – 680) 376365
Neutron spectra of ^{252}Cf spontaneous fission in the energy range from 0,5 to 7 MeV. (FEI – 575) 349143
Love, G.
A versatile atomic number correction for electron-probe microanalysis. 369557
Love, M.D.
The influence of cylindrical absorbing channels on a tilted neutron flux distribution. 363386
Love, T.A.
Cross sections for gamma-ray production by fast neutrons for 22 elements between Z = 3 and Z = 82. 356745
Fission-product energy release for times following thermal-neutron fission of ^{235}U between 2 and 14000 seconds. (ORNL/NUREG – 14) 372738
Love, W.G.
Density-dependent interactions and the folding model for heavy-ion potentials. 372639
A dynamic polarization potential for heavy-ion scattering. 362008
Excitation of neutron-hole states in ^{207}Pb by inelastic scattering of 61 MeV protons. 356873
Loveland, W.
Hydrospheric trace elements and their application in tracing water pollutants. 379226
Large collision residues and nuclear fission in the interaction of 25.2-GeV ^{12}C with uranium. 351386
Loveless, B.W.
The in vivo solubility of plutonium-239 dioxide in the rat lung. 370413
The in vivo solubility of plutonium-239 produced in plutonium-sodium aerosols. 354873
Loveless, R.J.
Direct e^+e^- pair production by 300-GeV/c protons in neon. 359341
Loveless, R.L.
Measurement of phi production in proton-nucleus collisions at 400 GeV/c. 366877
New limits on D^0(1.865) production in proton-nucleus collisions at 400 GeV/c. 361882
Lovell, A.J.
Temperature dependence of in-reactor creep of 20% cold worked 316 stainless steel. (HEDL-SA – 1187) 362532
Lovell, E.G.
Heat transfer and stress problems associated with ICTR walls. 348867
Lovering, J.F.
Geometry factor for external detectors in fission track dating. 352811
Loverock, P.S.
The effect of the electron affinic sensitizers Ro 07-0582 and Ro 03-6156 on the survival of several E. coli mutants. 376076
Lovett, B.
Measurements of polarization in K^-p elastic scattering at low energies. 361883
Lovett, D.B.
Investigation of the various factors affecting the response of passive configuration track etch dosimeters to working level hour exposure in radon and radon daughter atmospheres. Final report. (PB – 266768) 358376
Lovett, R.
γ-ray multiplicities from nuclear reactions: theory, instrumentation and analysis. 355598
Loving, C.E.
On the feasibility of atomic-beam resonance experiment sensitive to the nuclear-spin-dependent weak neutral current interaction. 350645
Lovlya, A.D.
Probability technigue for welded pipe quality estimation. 373150
Lovtsov, S.V.
Calculations of the cross sections of two-electron removal from inner shells of atoms by protons. 377045
Lovtsyus, A.V.
Half-life of sup(242)Pu. 377983
Low, B.C.
Evolving force-free magnetic fields. II. stability of field configurations and the accompanying motion of the medium. 369151
A self-consistent model of a thermally balanced quiescent prominence in magnetostatic equilibrium in a uniform gravitational field. 353694
Low, H.B.
A different approach for charged multiplicity distributions in hadron-hadron collisions. 361811
An independent determination of SU_3 coupling from inclusive spectra. 369310
Low, K.S.
Analysis of the ^{74}Ge(^{18}O,^{16}O)^{76}Ge and ^{76}Ge(^{16}O,^{18}O)^{74}Ge reactions in terms of exact finite-range coupled-channel Born approximation. 351296
Researches with the tandem and the synchrotron. Chapter 1. (CEA-N – 1959) 354158
Low, W.
SCR series switch and impulse crowbar at the Lawrence Berkeley Laboratory for CTR neutral beam source development. (LBL – 6382) 377405
Lowder, W.M.
Measurements of cosmic-ray charged particle ionization and flux densities in the atmosphere. (HASL – 324) 361713
Response of LiF thermoluminescence dosimeters to natural environmental radiation. (HASL – 313) 373464
Lowdermilk, W.H.
Relaxation oscillations in stimulated Raman scattering. 363795
Lowe, D.
Interface dosimetry. 365638
Lowell, A.F.
Factors affecting mining costs. 358561
Lowenberg, H.
Benefit/cost analysis of plutonium recycle options in the United States of America. 368447
Lowenstein, J.H.
An operator-product light-cone expansion in renormalized perturbation theory. 353112
Lowenstein, R.
Price – Anderson Act: an imaginative approach to public liability concerns. 376840
Lowenthal, D.D.
Status of the U.C. Irvine double beta decay experiment. 354241
Lowenthal, I.S.
Diagnosis of acute myocardial infarction in patients undergoing open heart surgery: a comparison of serial myocardial imaging with cardiac enzymes, electrocardiography, and vectocardiography. 357646
Lowenthal, S.
Multiplex recording using a gamma camera for tomographic imaging by numerical deconvolution and its application to radionuclide dynamic studies. (INIS-mf – 4010) 363564
Lowes, L.
Experimental facilities for the development of the United Kingdom high-level liquid solidification process. 358507
Lowman, P.
The Voyager infrared spectroscopy and radiometry investigation. 374914
Lowndes, K.
de Haas-van Alphen measurements and phase shift analysis of electronic scattering anisotropy in solid solutions of Ga in Au. 351742
Lowrance, W.W.
Nuclear futures for sale: issues raised by the West German – Brazilian nuclear agreement. 374511
Nuclear futures for sale: to Brazil from West Germany, 1975. 363427
Lowrey, B.
Transportation of transuranic wastes: the need for upgrading. (SAND – 77-1178) 374392
Lowrey, W.H.
Zero dimensionality and Josephson coupling in granular niobium nitride. 367307
Lowrie, B.
Commercial and ERDA waste packaging criteria: possible similarities and differences. (SAND – 77-1178) 374441
Lowry, L.L.
Gas core reactor power plants designed for low proliferation potential. (LA – 6900-MS) 365964
Lowsky, J.
The effect of resonance production on angular correlations. 353935
Inclusive π^0 production in π^+p interactions at 16 GeV/c. 366818
Strange particle production in three- and four-body final states of 16 GeV/c π^+p reactions. 353944
Study of the reactions $\pi^+p \rightarrow \pi^0\Delta^{++}$(1236), eta Δ^{++} (1236) and eta'Δ^{++} (1236) at 16 GeV/c. 372526
Lozanskij, Eh.D.
Localization of charged particle tracks in a self-shunting helium streamer chamber. 379868

Lozansky, E.D.
New improvement in track localization in self-shunted helium streamer chamber. 355527
Lozhkin, O.V.
Angular correlations of low-energy charged particles in nuclear disintegrations by high-energy protons. (JINR – 1-8830) 369356
Inelastic scattering of high energy particles with light nuclei and cluster structure of nuclei. 375155
Lozhkina, G.S.
Oxalic acid solutions composition effect on processes of protactinium (5) sorption on silica gel and its coprecipitation with thorium oxalate. 359725
Lozhkomoev, G.E.
Determination of neutron mean number on fission event of ^{252}Cf. (INIS-mf – 3896) 357875
Lozinska, M.
The effect of X-irradiation on the alanine- and aspartate aminotransferase activity in the liver, kidney and spleen of mice. 373529
Lozinskaya, T.A.
Interaction between supernova shells and interstellar gas: peculiar h2 regions with nonthermal radioemission. 369152
Lozinsky, B.S.
Equipment for measuring X-ray emission of extraterrestrial sources. 374294
Lozovskij, V.N.
Distribution of Te and Ge impurities in layers of Alsub(x)Gasub(1-x)As. 378331
Ltterst, R.F.
BBC users manual. (UCID – 17124(Rev.1)) 377847
Lu, A.H.
Modeling of radionuclide migration from a low-level radioactive waste burial site. 370261
Lu, S.C.H.
Plane strain large deformation analysis of this cylindrical shell subject to external pressure. (UCID – 17567) 363113
Lu, S.S.M.
Study of optical properties of transition metal oxides exhibiting semi-conductor-to-metal (SCM) transition. 362497
Lu, T.-M.
Disordering phenomena and adatom-adatom interactions in chemisorption: a study of W(110)p(2x1)0 as a function of coverage. 370072
Lu, T.M.
Effects of vacuum polarization in strong external fields. 372640
Lubatti, H.J.
A comparison of charged coupled devices and film sensitivities. 358399
Double scattering in deuterium as a probe of hadron structure. 351138
Lubbock, E.R.
What is the energy problem. 352903
Lubchenko, A.F.
Neutron scattering by crystals in an external alternating field. (KIYI – 76-18) 348813
Lubell, M.S.
Depolarization effects in pulsed photoionization of state-selected lithium. 350556
Development of large superconducting magnets for fusion reactors. (CONF-771056 – 2) 371933
Low-energy elastic scattering of polarized electrons by polarized hydrogen atoms. 358695
Measurement of spin-exchange effects in electron-hydrogen collisions: Impact ionization. 350557
Operating experience with the polarized electron gun at SLAC. 363130
Lubenau, J.O.
Performance characteristics of selected integrating ion chambers. 355548
Lubenets, S.V.
Slip-twinning relationship in indium crystals. 369943
Lubimov, V.A.
Measurement of the ^{3}H spectrum aiming to improve the upper limit for the antineutrino rest mass. 353998
Lubin, E.
sup(99m)Tc-RBC – A simple in vitro labelling procedure for vascular space imaging, varicose vein diagnosis and follow-up. (INIS-mf – 4010) 373633
Technetium-99m-pyridoxylideneglutamate in jaundiced patients. 354947
Lubkin, E.
Is gravitational dual charge physical. 363804
Lubkowitz, J.A.
Simultaneous determination of Co, Mo, Ni, W and moisture content in hydrodesulfurization catalysts by neutron capture gamma-ray spectrometry. 364875
The stability of trace metals suspensions in heavy crudes as determined by neutron activation analysis. 372842
Lubny-Gertsyk, A.L.
Techniques for calculation of heat transfer in membrane-blade radiators. 379433
Lubow, S.H.
Structure of contact binaries. II. Zero-age models. 359118
Lubyanitskij, G.D.
Effect of design and technology on the efficiency of ultrasonic facilities for sheet cleaning. 375775
Luca, E.
Magnetoviscosity of ferrofluids. 355969
A new aspect of the movement of ferrofluids in a rotating magnetic field. 355970
Luca, L.
FLUXCAN – A new method for fast calculation of power distribution in "CANDU-600" nuclear reactor. (ITN – 111) 358607
Lucadou, W. von
Crossed molecular beam study of H and D atom reactions with NO_2. 359609
Lucardesi, P.
A new fast and programmable trigger logic. 371097
Lucaroni, L.
Integral equations for even parity perturbations of hot perfect fluid nonrotating neutron stars. 368527
Lucas, A.
Inelastic scattering of electrons by vibrational motion of molecules adsorbed at metal surfaces. 377000
Lucas, B.
Neutron-multiplicity in deep inelastic collisions: 365 MeV Cu+Au system. 356855
Lucas, C.B.
Can electrons elastically scattered from neon be fully polarized. 358779
Lucas, E.J.
Design study of toroidal magnets for tokamak experimental power reactors. (ORO – 5152-1) 359021
Lucas, G.E.
Apparatus for the investigation of radiation creep in metals. 360075
Irradiation creep of Zircaloy under proton bombardment. 360845
Lucas, H.F. Jr.
Alpha scintillation radon counting. (CONF-770581 – 1) 362609
Lucas, J.
Numerical solution of magnetostatic boundary-value problems by iterative integration using the Green's function. 350529
Lucas, J.C.
Absolute air filtering equipment in the nuclear industrie. Design – Safety – Experience. 360512
Lucas, J.J.
Complete identification of products of the reaction $^{20}Ne+^{12}C$ at 110 MeV. 354239
Lucas, R.
Angular distributions of fission and deep inelastic products of the system Ar+Au at 285 MeV. 354231
Lucasson, A.
Recovery of low-temperature electron-irradiated lutetium. 354607
Lucasson, P.
Recovery of low-temperature electron-irradiated lutetium. 354607
Lucchese, R.R.
Electron correlation effects on the excitation energies of the lowest triplet states of glyoxal. 350467
Metal – carbene complexes and the possible role of hydroxycarbene in formaldehyde laser photochemistry. 378332
Lucci, F.
On the distribution of the radiation doses from thick targets in high energy electron accelerators. 355030
Luce, J.
The plasma focus as a large fluence neutron source. 353659
Luce, J.S.
Operation of a plasma-focus device with D_2 and He^3. 350860
Lucenet, G.
Seismic analysis for the Super-Phenix Reactor. (CONF-761001 – P1) 362972
Lucent, G.
Main safety features of the Super-Phenix project. (CONF-761001 – P1) 363004
Luches, A.
Diagnostic probe for intense electron beams. 366359
Luchinin, A.G.
System for SHF plasma heating in the "T-10M" facility. (INIS-mf – 3954) 361485
Luchinin, S.D.
Three-beam instability in a shock-ionized n-InSb plasma. 374684
Luchkin, V.G.
Performance testing of primary coolant purification plant. 368154
Luchkov, B.
An acceleration evaluation of the performance of the Soviet-French wide-gap spark chamber for gamma-ray astronomy. 368266
Luchkov, B.I.
Investigation into γ-quanta with the energy (> =) 40 MeV in the upper layers of the earth atmosphere. 357530
Periodic gamma radiation from the Cygnus X-3 discrete source. 364323
Luchtmans, F.
Use of neutron radiography for quantitative measurements of sorbed hydrogen in getters and quality control of nuclear fuel pins. 376431
Lucia, A.C.
Stress wave emission: a bibliographical survey no. 1. (EUR – 5616) 360743
Luciani, J.F.
Coupling of O(2) supergravity with several vector multiplets. 371408
Lucio M, J.L.
Weak neutral currents in electron-positron annihilation into three pions with polarized beams. 353865
Lucka, B.
Radiometric method for the estimation of iodine complexing degree in iodophor preparations. 354300
Lucker, Georges
Facility for processing the condensates from nuclear power plants (BWR and PWR). 360660

Luckhardt, S.C.
Anomalous fast-particle losses from strong electron rings in qudrupole-stabilized mirror fields. 358975
Recent progress on the field-reversing electron ring experiments at Cornell. (INIS-mf – 3963) 371846
Lucki, G.
Effect of fast neutron irradiation on the mechanical and structural properties of niobium. 351900
Luckow, H.
Waste heat utilization in agriculture. 355298
Luckscheiter, B.
Fission products in glasses. Pt. 2. (HMI-B – 218) 367287
Fixation of fission products in glass ceramics. 358478
Luckstead, S.C.
Etch induction time in cellulose nitrate: a new particle identification parameter. 368318
Lucoff, D.M.
Augmented startup and cycle 1 physics program supplement 2. (WCAP – 8576(Suppl.2)) 363464
Lucovsky, G.
Optical probes of the lattice dynamics of graphite. (COO – 2126-38) 378790
Lucy, L.B.
Numerical approach to the testing of the fission hypothesis. 366726
Ludemann, C.A.
Characteristics of an intense neutron source based on the d+Be reaction. 355204
Inelastic scattering of π^+ Mesons from nuclei at 50 MeV. 369493
Ludewig, H.
Linear accelerator fission product transmuter (LAFPT). 352886
Ludin, V.N.
Gamma rays in neutron inelastic scattering on Al and Fe nuclei at neutron energy range 0.8 – 10 MeV. (INIS-mf – 3897) 359520
Prompt neutron multiplicity in induced and spontaneous fission of nuclei. (INIS-mf – 3896) 356801
Total cross-sections of gamma ray production in neutron inelastic interaction with rhenium and lead nuclei. (INIS-mf – 3897) 356869
Ludlam, T.
Report of the radiation group on radiation backgrounds and damage in the ISABELLE intersection regions. (BNL – 50611) 357976
Search and classification of reaction mechanisms in multiparticle data. 351180
Ludvigsen, M.
A new H-space formalism. 366270
Ludwig, A.
Dynamic response of a clamped/ring-stiffened circular cylindrical shell under non-axisymmetric loading. 373842
Natural vibrations of a PWR reactor core shell in vacuum and water. 370926
Ludwig, J.
Evidence for the F meson. 353947
Measurements of tau decay modes and a precise determination of the mass. 372505
On the origin of inclusive electron events in e^+e^- annihilation between 3.6 and 5.2 GeV. 353772
On the semileptonic decay of charmed hadrons. 356496
Ludwig, K.R.
Lead-isotope inhomogeneity in Precambrian igneous K-feldspars. 349643
Ludwig, P.W.P.H.
Dynamic instabilities in tubes of a large capacity, straight-tube, once-through sodium heated steam generator. 368239
Ludziejewski, J.
Decay studies of some nuclei around Z = 50: sup(106 m)Ag, sup(103, 119, 121)Cd. (INIS-mf – 3946) 362070
Investigation of ^{119}In and ^{121}In. (INIS-mf – 4267) 378007
Ludziejewski, J.L.
Properties of odd Ag isotopes. (INIS-mf – 4267) 378015
Lue-Hing, C.
Dead water in wells of the Greater Chicago area. 365307
Lue, J.T.
An automatic tracking nuclear magnetic resonance gaussmeter. 371171
Determination of plasma Z-pinch effect by intrinsic stimulated emission. 366588
Lue, J.W.
Design of force-cooled conductors for large fusion magnets. (CONF-770842 – 6) 361526
Interaction and protection of superconducting poloidal field coils and toroidal field coils in a tokamak experimental power reactor. 361652
Investigation of current transfer in built-up superconductors. (CONF-771029 – 106) 374013
Superconductors for tokamak poloidal field coils. (CONF-770801 – 17) 359012
Vapor locking as a limitation to the stability of composite conductors cooled by boiling helium. (CONF-770801 – 18) 361586
Luebbert, A.
Monte Carlo averaging technique for analysis of elastic laboratory differential cross section data. 364626
Luebbig, H.
Field attenuation as underlying principle for cryo current comparators. 360724
Luebke, F.
Investigation of Bremsstrahlung-induced reactions on nuclei of masses A = 27-238 in the range of the photon energies from 450 MeV to 2.2 GeV. 364759
Luecke-Huhle, C.
Negative pion irradiation of mammalian cells. 376070
Luedeke, M.
Inelastic analysis for fatigue assessment in the high-temperature region. 367990
Lueders, K.
Experience with a supercritical helium cooling system for the investigation of superconductors. 360628
Knight shift of ^{195}Pt in A15- and sigma-phases of Nb-Pt. 371626
Temperature dependence of Knight shift and susceptibility of single crystal molybdenum. 371624
Luederwald, I.
Ion cyclotron resonance spectroscopy. 367042
Lueers, D.
Dissociation of the proton into ($p\pi^+\pi^-$) in the reaction $pp \rightarrow pp\pi^+\pi^-$ at 12 and 24 GeV/c. 353940
Luehrmann, K.H.
Many-fermion theory in expS- (or coupled cluster) form. 377907
Luehrsen, W.
Evidence for the tau → γrhoπ decay mode. 372500
Measurement of the branching ratios for the decays J/psi(3.1) → fω and J/psi(3.1) → Bπ. 372506
Measurement of the J/psi radiative decay into $f^0(1270)\gamma$. 377779
Lueke, D.
D meson production and decay in e^+e^- annihilation at 4.03 and 4.41 GeV c.m. energy. 353989
Electron-muon and electron-hadron production in e^+e^- collisions. 366879
Inclusive spectra of electroproduced K^+-mesons. (DESY – 77/49) 364578
K^0 production in e^+e^- annihilation. 353983
Properties of the proposed tau charged lepton. 356517
A search for neutral heavy leptons. 356514
Spin analysis of charmed mesons produced in e^+e^- annihilation. 351228
Luelf, U.
Distribution of ^{35}S-labelled BCG after application to the camera oculi anterior of BCG vaccinated and non-vaccinated rabbits. (INIS-mf – 3999) 352164
Lueling, H.C.
Non-magnetizable cast steel for components of the toroidal magnetic field of the JET project. 369994
Production of high-pressure nuclear components from austenitic-ferritic cast steel. 369961
Luensmann, W.
Radioecological studies in the main outfall of Gundremmingen nuclear power station. 357783
Luers, B.
Fission fragment measurements: double energy measurements. (BNL-NCS – 22500) 356830
Luescher, M.
Construction of a selfadjoint, strictly positive transfer matrix for euclidean lattice gauge theories. 353113
Quantum non-local charges and absence of particle production in the two-dimensional non-linear sigma-model. (NBI-HE – 77-44) 369311
Scattering of massless lumps and non-local charges in the two-dimensional classical non-linear sigma-model. (DESY – 77/65) 366856
SO(4)-symmetric solutions of Minkowskian Yang-Mills field equations. 355794
Lueth, V.
D meson production and decay in e^+e^- annihilation at 4.03 and 4.41 GeV c.m. energy. 353989
Hadron production in e^+e^- annihilation. (SLAC-PUB – 1873) 377812
K^0 production in e^+e^- annihilation. 353983
Properties of the proposed tau charged lepton. 356517
Spin analysis of charmed mesons produced in e^+e^- annihilation. 351228
Luethi, B.
Crystal field effect in the thermal expansion of cubic rare earth compounds. 374758
Induced Jahn-Teller transition in $PrCu_2$. 378703
Luetolf, U.
^{123}I, ^{131}I and sup(99m)Tc-pertechnetate for the evaluation of thyroid function. (INIS-mf – 4010) 370432
Coronary artery disease: non-invasive nuclear medicine techniques as the most reliable and sensitive ones. (INIS-mf – 4010) 367703
Luette, J.P.
Longitudinal variations of very-low-frequency chorus activity in the magnetosphere: evidence of excitation by electrical power transmission lines. 351975
Lugakov, P.F.
Formation of disorder regions in silicon affected by high-energy gamma-quanta. 348795
Lugaresi-Serra, P.
A study of the Dalitz plot in the decay K^0sub(L)$\rightarrow\pi^+\pi^-\pi^0$. 353988
Lugina, L.N.
Electron spectroscopic study into composition and structure of europium aquo-complexes. 369663
Luginin, V.A.
Electrophoretic behaviour of ions on paper impregnated by di-2-ethylhexylphosphoric acid. 369558
Lugovoj, S.V.
On mechanism of polarographic reduction of molybdenotungstosilicic heteropoly acids. 359648
Polarographic study of molybdeno-tungstosilicon heteropolyacids on platinum electrode. 364980

Lugovoj, V.N.
Electromagnetic waves in a periodic nonstationary magnetoactive plasma. 368832
Lugovskoj, V.B.
Integral heating of tungsten foil by millisecond laser pulses. 359892
Peculiarities of negatively charged particles emission induced by laser radiation effect on tungsten. 349432
Lugowska, U.
Use of polyester resins and methyl methacrylate in the process of a radiation modification of alder wood. Pt. 1. 373975
Lugscheider, E.
Calculation of strength of single-lap shear specimen. 362427
A study of wear resistant nickel-boron-silicon coating alloys. 359943
Lugt, G. van der
Experience at KEMA with testing high efficiency aerosol filtration systems. 360521
Lugt, W. van der
Radial distribution functions of liquid Na and Cs. 373225
The thermopower of liquid sodium-caesium alloys. 373184
Luguev, S.M.
High-temperature thermal conductivity of La_3Te_4. 374747
Luhleich, H.
Quality control procedures for HTGR fuel element components. 376538
Luhmann, J.G.
Effects of localized sources on quiet time plasmasphere electron precipitation. 351976
Lui, A.T.Y.
Search for the magnetic neutral line in the near-earth plasma sheet 3. An extensive study of magnetic field observations at the lunar distance. 360201
Lui, Q.K.K.
Application of a uniform semiclassical theory to the multiple Coulomb excitation of heavy ions. 356599
Luider, F.J.
Note on the solution of the master equation in the exciton model of pre-equilibrium theory. 375124
Luig, H.
Improvement of the diagnostic value of radionuclidic angiocardiography in babies by using rapid sequential scintigraphy and a new image display system ('Digiphot'). (INIS-mf – 4010) 362824
Volume curves of the left ventricle at rest and during excercise, determined with nuclear medicine methods. (INIS-mf – 4010) 362825
Luijckx, G.
A scale model (1:10) of the two-spectrometer arrangement (QDD and QDQ) under construction. (INIS-mf – 4267) 379863
Luk, A.C.H.
Simulation of boiling pools with internal heat sources by gas injection. (COO – 2554-6) 362976
Luk, C.H.
Analysis of waterhammer loads in a typical nuclear piping system. 357779
Luk'yanchikova, N.B.
Correlation of photoluminescence spectra and generation-recombination noises in CdS sintered layers and determination of radiation centers parameters by a noise method. 371638
Luk'yanchuk, T.I.
Peculiarities in formation of dislocation loops in silicon following ion implantation of boron and phosphorus and subsequent annealing. 367336
Luk'yanenko, Eh.A.
Stereomicrotron. 365750
Transport system of electron beam extracted from a microtron. 363293
Using a 30 MeV microtron for purposes of the radioactivation analysis. 363301
Luk'yanov, A.A.
Analysis of inelastic scattered neutron spectra. (INIS-mf – 3897) 356623
On the requirements for the accuracy of reproduction of energetic structures in neutron cross-sections. (INIS-mf – 3895) 354086
Luk'yantsev, A.F.
Principles of organization and the structure of the module system of programmes for data processing. 361218
Luk'yanychev, Yu.A.
Thermodynamic analysis of systems of niobium-oxygen-chlorine, titanium-oxygen-chlorine. 369664
Lukac, I.
The generalized symmetrical Jacobi coordinates for the non-relativistic many-body problem. (JINR-E – 4-10737) 374574
Lukac, P.
Device for dekryptonation thermal analysis using a flow-type GM-tube. 368306
Microwave resonant cavity method for the investigation of the corona discharge. 366626
Lukach, I.
To the problem of selection of quantum numbers for description of quantum mechanical systems. (JINR-D – 1,2-9342) 355795
Lukachina, V.V.
Vanadium (5) complexes with benzoylhydrazine and their use in analysis. 372914
Lukacs, B.
Time-dependent Maxwell fields in stationary geometry. 355796
Lukacs, G.
Compact storage racks for spent fuel elements at the Biblis nuclear power plant. 370905
Radioactivities and amounts of waste during LWR nuclear power plant shutdown. 370901
Lukacs, L.
Study of DNA metabolism of lymph-node cells by direct lymphatic administration of tritiated thymidine. 370443
Lukas, H.
Core design of sodium-cooled fast breeders (SNR) with regard to strategic design targets. 370803
Lukas, W.
Energy dispersive analysis of ettringites in cement paste samples. 354588
Some aspects of analytical chemistry of rare earth elements. 372886
Lukash, V.Eh.
Optimization of the thermal scheme of a power plant with a non-equilibrium MHD generator and a "Tokamak" type reactor. (INIS-mf – 3954) 361756
Lukash, V.N.
Particle creation in the vortex cosmological model. 356281
Lukash, V.S.
Study of concentration profiles in films of solid solutions. 354369
Lukashenko, G.M.
Thermodynamic properties of chromium-tellurium alloys. 365151
Lukasheva, V.I.
Temperature dependence of electron scattering in irradiated and annealed germanium on cyclotron-resonance data. 374773
Lukasheva, V.S.
On a possibility of production of neutral petroleum distillates using high energy irradiation. 375703
Lukashevich, I.I.
Nuclear gamma resonance in iron sulphates of the jarosite group. (INP – 871/PS) 371547
Lukashov, V.A.
Use of synchrotron radiation from the VE PP-3 storage for x-ray structural analysis. (IAE – 2385) 350076
Lukasiak, J.
Extended asymmetric rotor model for odd-A nuclei. (ZfK – 336) 364785
Lukatskaya, F.I.
On the time-distribution of the UV Ceti flares. 374930
Lukes, R.
Judicial aspects in risk assessment. (AED-Conf – 77-352-006) 365573
Lecture (abridged version) on 'Nuclear law in the field of tension between technology and law'. 376829
5th German symposium on atomic law. 352463, 352527, 352589, 352900, 352943, 352944, 352945, 352946, 352952, 352954, 352958, 352960, 352963, 352965, 352980, 352981, 352982, 352983, 352986, 352987, 352989, 352991, 352992, 352993
Lukhminskij, B.E.
Monte Carlo calculation of instrumental spectra of natural gamma radiation of sea bed soils. 351935
Lukhovitskij, V.I.
Estimation of method for γ-initiated emulsion post-polymerization of styrene. 365073
Lukierski, J.
Superconformal anomalies. 353114
Lukiewicz, S.
Application of spin tracers in chemical dosimetry of ionizing radiation. 379938
EPR signals of polymer-radioprotective substance model in X radiation field. 378501
EPR spectra and alive fungi cells radioresistance. 378999
Influence of phenyltiourea on paramagnetic properties and radiosensitivity of Xenopus laevis embryos. 379018
Lukin, A.M.
On interaction of molybdenum(6) with resarson and 2,2',4'-trihydroxy-5-chlorazobenzene. 369552
Lukin, A.P.
Kinetics and mechanism of indium ionization on disk-ring electrodes in chloride solutions. 349245
Lukin, E.S.
Study on the dependence of associative multiplicity of charged pions upon π^- meson transverse momentum in pp interactions at 69 GeV/c. 351218
Lukin, E.
A study of πsup(+), πsup(-) and proton production in pp interactions at 69 GeV/c. 361867
Lukin, L.V.
Scavenging of localized and quasifree electrons in liquid hydrocarbons (extended abstract). 362247
Lukin, S.N.
Change of basis state of some rare earth ions in crystallohydrates at high pressures. (INIS-mf – 3955) 378427
Lukin, Yu.T.
Gamma guanta families from a dense target and their inter. 361662
Some characteristics of gamma quanta in hadron interactions at energies above 2.5 TeV. 361742
Lukina, M.M.
Magnetic and neutron diffraction investigation of reorientation transitions in cobalt-substituted yttrium orthoferrite. 355949
Lukina, T.V.
Effectiveness of protection of graphite with pyrocarbon against aggressive media. 378789
Lukinov, V.S.
Monitoring of carbon redistribution in steel by means of ^{14}C. 349394, 349395
Lukitsch, H.
Investigations of fuel rod failure in the second heatup phase of a LOCA. (KFK – 2435) 358191

Lukiyan, F.M.
Luminescence of Znsub(x)Cdsub(x-1)Te on the absorption edge at high excitation. 371557
Lukkari, L.
Correlated electron precipitation and magnetic IPDP events near the plasmapause. 367431
Lukner, C.
Matching of heavy ion sources to tandem accelerators. 357977
Lukovits, I.
Isotope effect in hydogen atom abstraction from substituted phenols by polyvinyl acetate radicals in vinyl acetate. 351567
Luks, R.K.
Spectra of impurities and rare earth defects in yttrium trifluoride. (INIS-mf – 3955) 377212
Luksha, O.V.
Composition of molecular beams formed during the evaporation of antimony sulphoiodide. 349256
Lukstin'sh, Yu.
On cross-sections of interaction of relativistic alpha-particles with nuclei. (JINR-R – 1-10592) 375151
Lukstinsh, Yu.
Starting system for a 2-meter streamer spark chamber in a 17 GeV/sec α-particle beam. (JINR – 13-9030) 358334
Lulich, C.
A novel ultra-high vacuum manipulator with six degrees of freedom. 368334
Lum, D.
Instability of Sn(II) reagents to oxidation and hydrolysis: stabilization with ascorbic and erythrobic acid. (INIS-mf – 4010) 369726
Lumb, R.F.
Maintenance inspection of large fillet welded structures in pressure vessels. 365786
Lumbroso, J.
Tomography by compton scattering scintigraphy. (INIS-mf – 4010) 358335
Lumig, A. van
Collisions of hydrogen cluster ions with a gas target at 250-900 eV energy. 353303
Luminet, J.-P.
Intrinsic curvature of the 3-surfaces of homothety in spatially homothetic space-times. 376923
Lummerzheim, D.
German Light-Water-Reactor Safety-Research Program. 365603
Lumpkin, A.H.
Quadrupole effects in the elastic scattering of ^{10}B, ^{11}B and ^{12}C by ^{27}Al. 354248
Structure in the $^{12}C(^{12}C,d)^{22}Na$ reaction near E/sub c.m./ = 14.3 MeV. 351387
Luna, R.E.
A risk assessment for the transportation of radioactive materials in the USA. 350039
Lunardi, L.M.
Measurement of delayed neutrons in the photofission of ^{238}U e ^{232}Th. 354240
Lunardi, S.
Energy levels in $_{65}{}^{149}Tb_{84}$ populated in the (α,6n) reaction. (ZfK – 336) 364809
High spin states and the 17 ns isomer in the N = 84 nucleus ^{148}Gd. (ZfK – 336) 364806
High spin states in the N = 84 nucleus ^{150}Dy. (ZfK – 336) 364807
Isomers in the N = 83 nucleus ^{147}Gd. (ZfK – 336) 364795
The 3^- state in the doubly closed shell nucleus $_{64}{}^{146}Gd_{82}$. (ZfK – 336) 364794
Lund, J.E.
Bone tumors induced by inhalation of $^{238}PuO_2$ in dogs. 365453
Common tumors and lesions in control miniature swine fed ^{90}Sr daily. (BNWL – 2100(Pt.1)) 360335
Comparative toxicity in rats vs hamsters of inhaled radon daughters with and without uranium ore dust. (BNWL – 2100(Pt.1)) 360315
The long-term effects on normal tissue of an intracavitary treatment with californium-252. 379042
Lund, M.
Pb-K-shell ionization in α decay and α backscattering. I. 377072
Pb-K-shell ionization in α decay and α backscattering. II. 377053
Lund, T.S.
Transmission measurements for heavy ion beams through the Rochester MP Tandem. 363294
Lundberg, L.B.
Fabrication of superconductors. 359886
Lunde, B.K.
Ultra purification of metals by electrotransport under outer space environmental condition. Final report, April 1, 1974 – September 30, 1976. (IS – 4125) 373985
Lunde, G.
Analysis of organochlorine compounds in effluents from bleacheries by neutron activation analysis and gas chromatography/mass spectrometry. 367021
Lundeen, S.R.
Precision measurement of the double quantum transition 3^2Ssub(1/2)-3^2Dsub(5/2) in hydrogen. 366327
Lundergan, C.D.
Sandia Laboratories technical capabilities: materials and processes. (SAND – 77-0002) 362350
Lundgren, D.L.
Biological effects of repeated inhalation exposure of Syrian hamsters and mice to polydisperse aerosols of $^{239}PuO_2$. II. (LF – 56) 362739
Effect of alpha irradiation of the lungs from inhaled $^{239}PuO_2$ on the immunity of mice to Listeria monocytogenes. (LF – 56) 362758
Repeated inhalation exposure of mice to $^{144}CeO_2$: lung tumors. V. (LF – 56) 362728
Repeated inhalation exposure of mice to $^{144}CeO_2$: retention and dosimetry. IV. (LF – 56) 362737
Repeated inhalation exposure of Syrian hamsters to $^{144}CeO_2$. II. (LF – 56) 362738
Lundgren, T.
Coastal gneiss in Blekinge, geology and hydrogeology. (KBS-TR – 25) 363673
Lundin, A.A.
To the statistical theory of the nuclear magnetic resonance line shape. 368833
Lundin, C.D.
HAZ impact toughness of a Mn – Mo – Nb linepipe steel. 351704, 351743
Lundin, C.E.
A correlation between the interstitial hole sizes in intermetallic compounds and the thermodynamic properties of the hydrides formed from those compounds. 367259
Proceedings of the 12th rare earth research conference. Vol. II. 356935, 357189, 357213, 357217, 357220, 357221, 357252, 357255, 357263, 357292, 357297, 357307, 357321, 357343, 357344, 357349, 357352, 357353, 357356, 357359, 357360, 357366, 357368, 357370, 357375, 357381, 357382, 357384, 357390, 357391, 358530, 362121, 362127, 362369, 362376, 362380, 362394, 362398, 362430, 362432, 362433, 362444, 362450, 362451, 362463, 362464, 362479, 362481, 362482, 362512, 362517, 362757, 365121, 378465
12th rare earth research conference. Volume I. Sessions A through I. (IS-M – 94) 351523
Lundquist, G.
Serum-gastrin increasing effect of somatostatin infusion in acromegaly. 379188
Lundy, A.
Avalanche transistor pulser for fast-gated operation of micro-channel plate image-intensifiers. (LA-UR – 77-2402) 379988
Lundy, R.A.
New limits on $D^0(1.865)$ production in proton-nucleus collisions at 400 GeV/c. 361882
Lunell, S.
Hartree-Fock and configuration interaction calculations of hyperfine constants in quartet states of three-elctron atoms. 355899
Lunev, V.P.
Effective interaction in microscopic description of direct processes in inelastic nucleon scattering. 375125
Lunger, N.S.
Polymerization of adiponitrile in the interaction with trimethylboron. 349266
Lunin, G.L.
Neutron spectra in WWER reactor lattices. (IAE – 2497) 376499
Review and discussion of the results of physical start-up investigations of WWER-type reactor cores. 350218
Lunin, L.S.
Distribution of Te and Ge impurities in layers of Alsub(x)Gasub(1-x)As. 378331
Lunin, V.V.
Catalytic activity of hydrides of nickel based alloys in hexene-1 transformations. 349257
Mechanism of isomerization of hexene-1 on transition metal hydrides. 369665
Lunke, C.
Comparison of the π^+ and π^- elastic scattering from ^{12}C over the πN(3,3) resonance region. 362089
Lunning, W.H.
Decommissioning of nuclear facilities. 367773
Lunsford, J.L.
QUIL: a chemical equilibrium code. (LA-NUREG – 6500) 368175
Lunsford, J.S.
Avalanche transistor pulser for fast-gated operation of micro-channel plate image-intensifiers. (LA-UR – 77-2402) 379988
Lunt, A.R.
Fuel assembly for a nuclear reactor. (German (F.R.) patent document 2620343/A/) 352737
Lunter, S.G.
Absolute intensities of spectra of glass with rare earth ions. (INIS-mf – 3955) 362167
On the efficiency of cooperative luminescence in activated glass. (INIS-mf – 3955) 378267
Probabilities of optical transition of neodymium in fluorophosphate glass. 357051
Luntz, M.
Ion bombardment of alkali halides. 375957
Luo, H.L.
Superconductivity in sputtered $CuMo_6S_8$. (N – 77-20206) 357388
Lupe, R.
Depositional environments as a guide to uranium mineralization in the Chinle formation, San Rafael Swell, Utah. 357482
Lupei, A.
EPR of a U^{5+} center in KF. 356011
EPR of U^{5+} in alkali fluorides with a new charge compensation mechanism. 371639
Lupei, V.
EPR of a U^{5+} center in KF. 356011
EPR of U^{5+} in alkali fluorides with a new charge compensation mechanism. 371639
Lupenko, G.V.
Pulse shape analyzer in a compound scintillation detector of an electron spectrometer. 379892

Lupik, A.N.
Electric resistance variation of iron-nickel alloys during elastic deformation. 359954
Lupil'tsev, V.P.
Calibration of the 58 AVP type photomultiplier. (JINR – 13-9002) 350365
Lupin, V.M.
Determination of parameters of deep centers in the region of a space charge of CdS-GaAs heterojunctions from temperature dependence of capacity – rate variation. 348814
Photoelectrical properties of CdS-GaAs heterojunctions. 348816
Photosensitive diodes based on CdS n-GaAs heterojunctions. 348815
Lupton, D.F.
Influence of oxide layers on the carbonisation of alloys in HTR helium. 369822
Screening studies on materials for nuclear process heat systems. 360871
Lurcat, F.
Theory of strong interactions. I. Kinematics. 359289
Lurie, A.G.
Radionuclide bone imaging in the surgical treatment planning of odontogenic keratocysts. 352113
Lurie, B.N.
Variationally optimized T matrices for elastic scattering. 350646
Lurie, N.A.
Measurements of fission-product decay heat for ^{235}U and ^{239}Pu. (BNL-NCS – 22500) 356764
Radiation qualification of nuclear reactor components. 368024
Lurio, A.
Measurement of soft x-ray mass absorption coefficients by a thin film technique using proton-induced x-rays. 354024
Lurye, D.R.
Improved method for quantitative bone scanning. 373668
Lurz, H.
SAFTL and CRESS – description of two program systems for the calculation of the reliability of complex systems. (MRR-P – 21) 366213
Lusanna, L.
Sequential decay of anisotropic fireballs. 361955
Luschikov, V.I.
IBR-2-the periodically pulsed reactor for neutron investigations. (INIS-mf – 3946) 356682
Lush, G.J.
Coherent production of low-mass $p\pi^+\pi^-$ states in the interaction of 18.6 GeV/c protons with ^4He nuclei. 372518
Lushchik, A.Ch.
Hole processes in CsBr crystals. (INIS-mf – 3993) 377271
Lushchikov, V.I.
Storage of ultracold neutrons in copper vessels. (JINR-R – 3-9534) 349137, 354007
Lushington, K.J.
Neutron scattering and proton spin conversion in solid CH_4. 359357
Lushkov, V.V.
Neutron methods of element analysis of geological samples with recovery of isotopic sources. (INIS-mf – 3994) 378175
Lushnikov, A.A.
Surface plasma oscillations in layer metal particles. 353461
Lusignoli, M.
Pion exchange in inclusive neutron production at very high energies. 356410
Lusk, E.C.
Use of scale models to assess structural response of nuclear shipping containers under accident conditions. 350032
Lussie, W.G.
Fuel rod bowing resulting from internal pellet motion. 371066
Lusted, L.B.
An analysis of medical decision making. 355708
Lustfeld, H.
Susceptibility of rare earth compounds in the intermediate valence state. 375921
Lustgarten, C.S.
Biliary excretion of ^{144}Ce after inhalation of ^{144}Ce citrate in rats and Syrian hamsters. III. (LF – 56) 365442
Biological effects of repeated inhalation exposure of beagle dogs to aerosols of ^{144}Ce in fused aluminosilicate particles. III. (LF – 56) 362716
Hepatic degeneration in beagle dogs after chronic hepatic beta-irradiation. (LF – 56) 365413
Toxicity of inhaled $^{144}CeCl_3$ in beagle dogs. X. (LF – 56) 365411
Toxicity of inhaled $^{238}PuO_2$ in beagle dogs. A. Monodisperse 1.5 μm $^{238}PuO_2$. B. Monodisperse 3.0 μm $^{238}PuO_2$ particles. III. (LF – 56) 362740
Toxicity of inhaled alpha-emitting radionuclides: an experimental approach. (LF – 56) 365430
Toxicity of injected $^{137}CsCl$ in beagle dogs. IX. (LF – 56) 365443
Luten, J.B.
Neutron activation analysis of trace elements in rain water. (INIS-mf – 3947) 354301
Luthardt, M.
Radiogaschromatography of iodine compounds. 349185
Luther-Davies, B.
On the generation of high flux densities within absorbing plasmas due to self-focussing of a laser beam. 374817
Luther, F.M.
Temperature feedback in a stratospheric model. 365327
Luthey, J.L.
Application of nuclear techniques for measurements near Jupiter. 377641
Luthi, B.
Magnetic ion-lattice interaction in RZn compounds. 362433
Luthy, D.F.
Volume reduction system for solid and liquid TRU waste from the nuclear fuel cycle: April – June 1977. (MLM – 2463) 380019
Luton, J.N.
Design of superconducting toroidal magnet coils and testing facility in the USA. (CONF-770842 – 5) 358976
Development of large superconducting magnets for fusion reactors. (CONF-771056 – 2) 371933
Luton, J.N. Jr.
Toroidal magnet system conceptual design for the ELMO Bumpy Torus Reactor. (CONF-770842 – 4) 358977
Luts'ko, A.S.
Direct energy conversion of monochromatic ion beams with space charge compensation. 374865
On a possibility of application of an ion transit recuperator. (INIS-mf – 3954) 361645
Lutsenko, A.E.
Interaction in the HfC-HfB_2 system. 360023
Lutsenko, V.G.
Electrochemical behaviour and molecular state of tellurium oxide in melts. (INIS-mf – 4189) 375460
Investigation of tellurium electrodeposition from chloride and oxychloride melts. (INIS-mf – 4189) 375461
Lutsenko, V.P.
Effect of pressure and temperature on luminescence of Eu^{3+} and Gd^{3+} complexes with thenoyltrifluoroacetone. (INIS-mf – 3955) 378435
Lutsik, V.A.
Internal conversion electrons from sup(188m)Ir decay. (KFTI – 75-15) 362097
Lutsiv, R.V.
Effect of ionized intrinsic point defects on concentration of current carriers in Hgsub(1-x)Cdsub(x)Te. 367098
Lutsyuk, L.N.
Ferromagnetic resonance $CdCr_2Se_4$. 348817
Lutterodt, A.
Highly specific antiserum for arginine vasopressin. 376157
Lutteroth, H.W.
Regional lung function measured with ^{133}Xe in patients with provoked bronchial spasms. (INIS-mf – 4010) 370471
Lutz, A.M.
Search for charmed hadrons in Gargamelle. 364586
Search for strangeness changing neutral currents induced by neutrinos in GARGAMELLE. 361875
Study of neutrino proton elastic scattering in the 'Gargamelle' freon experiment. 377821
Lutz, D.
Investigations for simplifying burn-up calculations. (IKE – 6-108) 376416
Lutz, G.J.
Determination of bismuth by photon activation analysis. 378142
Evaluation by activation analysis of elemental retention in biological samples after low temperature ashing. 372895
Photon activation analysis of coins and objects of art. 372919
Quantitative evaluation of interference reactions in photon activation analysis. 372925
Lutz, G.R.
Mechanical design of the Doublet III indented vacuum vessel. (GA-A – 14591) 371776
Lutz, H.
Correlations between the transition temperature of Nb_3Ge and the normal-state resistivity. 362428
Lutz, H.R.
Operating experience with 13 light-water reactor in Europe. 363448
Lutz, M.
Assessment of the safety situation at the hot laboratories of the Commissariat a l'Energie Atomique (CEA). 360454
Chemical detection and precise measurement of tritium in a gas. (KFK-tr – 504) 349160
Lutz, O.
^{123}Te and ^{125}Te fourier transform NMR investigations. 374687
Nuclear magnetic shielding and quadrupole coupling of ^{133}Cs in cesium salt powders. 355990
Lutze, W.
Compatibility of beryllium and beryllium oxide with lithium in a fusion reactor blanket. (HMI-B – 205) 351045
Fixation of fission products in glass ceramics. 358478
Luvisetto, M.L.
Automatic analysis of BEBC pictures using the flying spot digitizer. 355497
Luxo, M.A.
Utility training. 352572
Luykx, F.
Safety practices and standards, developments and incentives for international co-operation. 370623
Luyten, W.J.
The role of proper motions in determining the luminosity and density functions. 369153
Luz, A.
Experimental induction of bone tumors by short-lived bone-seeking radionuclides. 365424
Luzanov, A.V.
Multi-particle correlations of fermion clusters in the transition density operator method. 371409
Luzanov, V.M.
Action of high-polymeric heterologous DNA on the restoration of the colony-forming units in the hematopoietic tissues of irradiated mice. 370358

Action of high-polymeric homologous DNA on the restoration of erythropoiesis in the hemetopoietic tissues of irradiated animals. 370357
Restoration of the quantity of colony-forming units in the bone marrow and spleen of irradiated mice treated with DNA. 362671
Luzgin, N.I.
Crystal structure and magnetic properties of films of Sm, Gd and Tb compounds with 3d-metals of Laves phase type. 357265
Luzhetskaya, N.I.
Hereditary changes in plants γ-irradiated at different ontogenesis stages. 370332
Luzhnaya, N.P.
Investigation of interaction in the Ga_2Te_3-Cu section of ternary Cu-Ga-Te system. 359649
Investigation of interaction in the ternary Cu-Ga-Te system. 359690
Luzhnikov, L.P.
Recrystallization diagram of the VT30 alloy with different hydrogen content. 375847
Luzin, Yu.F.
Broaching in askew roll mill using ultrasonic waves. (INIS-mf – 3914) 349404
Luzov, A.A.
Integral multiplicities of cosmic-ray-neutron-component production at different depths in atmosphere. 357541
Luzzatti, E.
Absolute total elastic cross sections for collisions of Ne with Ar, Kr and Xe. 358715, 376982
Luzzi, R.
Resonant Raman scattering of phonons in a magnetic field. 353075
Lyadov, G.D.
Study on gamma and neutron radiation effects on Ge(Li) detector performances. (NIIAR-P – 267) 358458
Lyagushchenko, R.I.
On measurement of cross sections of some processes with participation of metastable helium atoms in afterglow of gas discharge. (INIS-mf – 3915) 368658
Lyagushenko, R.I.
Determination of the elementary processes constants by examination of electron energy distribution function in helium afterglow. 353290
Lyakhovich, L.S.
Titanium alloy surface alloying for wear resistance improvement. 378675
Lyakhovitskij, V.N.
Calculation of the ultrarelativistic beam structure in the classical statistics approximation for ideal gases. (ITEF – 123) 365751
Lyamin, V.I.
Protection from electromagnetic disturbances during operation of power generators of pulse radiations. 363627
Lyapichev, G.S.
Results of the "Tokamak-10" start-up and operation. (INIS-mf – 3954) 361570
Lyapidevskij, V.K.
Use of mathematical programming methods for interval estimates of nuclear radiations. 371308
Lyapina, T.G.
Determination of radiation-chemical yield of product in dynamic conditions of heterogeneous radiolysis. 373064
Isotope effect during γ-radiolysis of adsorbed ammonia. 373065
Some regularities of ammonia radiolysis on modified silica gel. 373059
Lyapina, Z.E.
Safeguarding radiation safety in nuclear power plant operation. 367795
Lyapunov, A.I.
Fabrication of welded pipes of the KhN45Yu alloy. 375776
Lyashchenko, A.K.
Coordination numbers and character of structural environment of ions in aqueous solution. 364971
Lyashenko, N.I.
Ferromagnetic resonance $CdCr_2Se_4$. 348817
Lyashenko, V.I.
Hydrogen streamer chamber with localizing admixtures. (JINR-R – 13-9713) 368303
Localization of charged particle tracks in a self-shunting helium streamer chamber. 379868
New improvement in track localization in self-shunted helium streamer chamber. 355527
Lyashevich, V.V.
Gamma radiation effect on properties of cardo polyamide based on anilinofluorene and terephthalic acid. 362268
Radiation chemical transformations of some polyarylates by γ-radiation in vacuum. 354439
Radiation-chemical transformations of some polyarylates in air. 354436
Lyashko, O.M.
Anti-Stokes luminescence of (GdEr)OCl and (GdErYb)OCl systems. (INIS-mf – 3955) 377237
Lyasnovskaya, Yu.N.
Effect of gamma irradiation on the polyunsaturated fatty acids of cooked pork. 349828
Lyasotskij, I.V.
On the crystal structure peculiarities of the bcc lattice transition metals and solid solutions on their base. 349431
X-ray and electron scattering by crystals with correlated system of second phase particles. 377220
Lychagin, A.A.
Logic device for the three-dimensional analysis of the (n, 2n) nuclear reaction. (FEI – 542) 358432
Neutron detector with gamma-ray compensation for measurements with the time-of-flight method. (FEI – 577) 376607
Lyengar, G.V.
Determination of certain selected bulk and trace elements in the bovine liver matrix using neutron activation analysis. 375305
Lyerly, H.D.
Design for maintenance during operation. 358111
Lygina, I.A.
Investigation of properties of hydroxyl groups in series of compounds of the second period elements by the CNDO/2 method. 378333
Lykasov, A.A.
Use of solid electrolytes for investigation of systems Mo, MoO_2 and Cr, Cr_2O_3 at 1000-1700 deg C. (INIS-mf – 4189) 375612
Lykov, A.N.
Quantum interference on Nb and Nb_3Sn superconducting bride-type contacts. 377685
Lykova, L.N.
X-ray study of barium tantalate $Ba_3(TaO_4)_2$. 378366
Lyles, R.L.
New HVEM for materials research at ANL. (CONF-770855 – 2) 366052
Lyman, J.L.
Multiple-photon isotope separation in SF_6: Effect of laser pulse shape and energy, pressure, and irradiation geometry. 369666
Lymar', G.F.
Study on deep trap centers in epitaxial GaAs < Cr,W > by the method of thermostimulated capacitor discharge. 348751
Lynall, I.H.
Superfluid-vortex thresholds and the vortex-core parameter near T/sub lambda/170 Physics Department, University of Delaware, Newark, Delaware 19711. 351123
Lynam, P.
Radiative detection of single-phase and spin-echo nuclear magnetic resonance. 356074
Lynas-Gray, A.E.
UBV photometry and MK spectral classification of northern early-type stars at intermediate galactic latitudes. 349001
Lynch, D.W.
Optical properties (0.1 – 25 eV) of Nb-Mo and other Nb-based alloys. 359897
Optical properties of rare earth metals. (IS-M – 122) 378676
Lynch, F.E.
A correlation between the interstitial hole sizes in intermetallic compounds and the thermodynamic properties of the hydrides formed from those compounds. 367259
Lynch, F.J.
Ultra-short pulses of heavy ions. 360713
Lynch, G.R.
Ratio of neutral-current to charged-current cross sections for inclusive neutrino interactions in hydrogen. 351220
Lynch, H.L.
D meson production and decay in e^+e^- annihilation at 4.03 and 4.41 GeV c.m. energy. 353989
Evidence for the F meson. 353947
K^0 production in e^+e^- annihilation. 353983
Measurements of tau decay modes and a precise determination of the mass. 372505
On the origin of inclusive electron events in e^+e^- annihilation between 3.6 and 5.2 GeV. 353772
On the semileptonic decay of charmed hadrons. 356496
Spin analysis of charmed mesons produced in e^+e^- annihilation. 351228
Total cross section for $e^+e^- \rightarrow$ hadrons and its associated spectroscopy at SPEAR. (SLAC-PUB – 1750) 377753
Lynch, R.W.
The Sandia solidification process – A broad range aqueous waste solidification method. 358492
Lynch, W.
$^{29}Si + {}^{14}N$ stripping and pickup reaction. (RLO/1388 – 362) 372725
Analyzing powers for the continuum portions of particle emission spectra. (RLO/1388 – 362) 372710
Study of anomalous angular distributions with ^{15}N-induced reactions. (RLO/1388 – 362) 372724
Lynch, W.G.
Analyzing power in the $^{207}Pb(p\ vector,p_0)^{207}Pb$ reaction near the ^3P/sub 1/2/ isobaric analog resonance. (RLO/1388 – 362) 372699
Lynch, W.J.
Relativistic Coulomb effects in pion scattering. (RLO/1388 – 362) 372601
Lynden-Bell, D.
Hubble's constant determined from super-luminal radio sources. 364367
On the motions of the sun, the galaxy and the Andromeda nebula. 356282
On the negative specific heat paradox. 356283
Simulation of the Magellanic stream to estimate the total mass of the Milky Way. 356278
Lynden-Bell, R.M.
On the negative specific heat paradox. 356283
Lyndin, V.V.
Absorption scattering method for the determination of the depth of honeycomb bubbles in a continuously cast ingot of rimming steel. 363091
Lynds, C.R.
Direct observations of the heterogeneity of supergiant disks. 369101
Lyne, A.G.
Pulsar interpulses – two poles or one. 359120

Lyneis, C.M.
Elimination on electron multipacting in superconducting structures for electron accelerators. 360728
Lynen, U.
Evidence for negative deflection angles in ^{40}Ar + Ag deep-inelastic reactions from γ-ray circular polarization measurements. 367010
Lynkov, L.M.
Preparation of superconducting Nb films with high value of transition temperature by electron-beam evaporation. 369253
Lynn, K.G.
Positron-annihilation investigation of high-temperature neutron-irradiated molybdenum. 354612
Lynskey, M.T.
Direct radioimmunoassay for estriol-16-glucuronide in urine for monitoring pregnancy and induction of ovulation. 362776
Lyon, D.S. Jr.
Search for narrow resonant states in e^+e^- collisions near 6 GeV. 351208
Lyon, H.E.
Assurance of the effectiveness of safeguards. 371279
Lyon, J.F.
Electron heating by neutral beam injection in ORMAK. (CONF-770906 – 5) 361599, 371961
Electron heating by neutral-beam injection in the Oak Ridge tokamak. 358985
Neutral beam injection experiments at ORNL: fueling aspects. (CONF-771129 – 4) 371963
Relation of neutral beam injection to impurity behavior and extension of plasma parameters on ORMAK. (CONF-770906 – 4) 364222, 371934
Wall power measurements of impurity radiation in ORMAK. (ORNL/TM – 6148) 377368
Lyon, M.F.
The induction of chromosome aberrations in mouse dictyate oocytes by x-rays and chemical mutagens. 373517
Lyon, R.B.
Regional fuel-cycle centers: technical and operational considerations. 375740
Lyon, R.K.
Isotope separation process. (US patent document 4,035,270/A/) 357856, 373910
Separation process for uranium isotopes. (German (F.R.) patent document 2616943/A/) 349929
Lyon, W.L.
Production of uranium dioxide. (US patent document 4,053,559/A/) 373120
Lyon, W.S.
Planning for unplanned releases. (CONF-770916 – 3) 362603
Lyons, A.
Crystal growth and characterization of $PdTe_2$. 365226
Lyons, B.J.
Irradiatable polymer composition with improved oxidation resistance. (US patent document 4,036,719/A/) 357163
Lyons, D.
Source for technetium-99m and procedure for its elution. (German (F.R.) patent document 2238503/B/) 354922
Lyons, P.
Technique for measuring optical fiber transmission using the time dispersion of Cerenkov radiation. 352429
Lyons, P.B.
Transient radiation effects in low loss optical waveguides. (LA-UR – 77-1564) 365235
Lysak, Yu.D.
State primary standard for units of equivalent dose and equivalent dose rate of neutron irradiation. 376262
Lysakov, V.S.
Luminescence centers in some tungstates and molybdates. 361456
Lysell, G.
Experimental investigations of the power-ramp failure propensity of light-water reactor fuel. 365865
Lysenko, A.A.
Thermodynamic functions of gaseous rare earth monoselenides of yttrium subgroup. 375850
Lysenko, A.P.
High-voltage nanosecond pulse generator with a symmetrical output. 376700
Lysenko, E.N.
NMR magnetometer for calibration of solenoids with inhomogeneous field. 371172
Lysenko, E.V.
High-temperature oxidation of Ag-Ni pseudo-alloys with ZnS-, MoS_2 sulfide additions. 349369
Lysenko, P.L.
Effect of 5,5 MeV alpha-particles irradiation on characteristics of p-Si ion-doped semiconductor detectors. 380002
Lysenko, S.E.
Energy balance in large tokamak facilities. (IAE – 2494) 371816
Ion temperature determination from fast neutral spectra. (INIS-mf – 3963) 371815
Reactor-tokamak operating in a cycling regime. (IAE – 2365) 348938
Lysenko, W.P.
Equilibrium phase-space distributions and space charge limits in linacs. (LA – 7010-MS) 370757
Lysenkov, V.I.
Response change in winter-wheat types to the pathogen complex under chronic gamma-irradiation. 349820
Lysenkov, V.J.
Virus infection of continuously irradiated potato plants. 362656
Lyshov, L.L.
Graphite fracture toughness testing technique. 358022
Lyskov, M.G.
Investigation into formulation of iron corrosion product deposition on the surfaces of steam generating channels. 365084
Lyskovich, A.B.
Effect of some factors on luminescent properties of cadmium iodide crystals. 348818
Lysne, P.C.
Resistivity of shock-wave-compressed PZT 95/5. 367294
Lysova, G.V.
Analysis of angular distributions of sputtered material by means of autoradiograph technique. 368828
Analysis of shadow picture observed at 70 keV energy ion bombardment of gold single crystals. 348812
Lyster, D.M.
Evaluation of radiocolloid sizing techniques. 352136
Lystrup, A.S.
Creep-rupture properties and corrosion behavior of 2 1/4 Cr-1 Mo steel and Hastelloy X alloys in simulated HTGR environment-interim report. (ORNL/TM – 6001) 368176
Lystsova, N.N.
Comparison of experimental data of conditions of heat exchange crisis in models of fuel assemblies of wwer type reactors with calculation results. (IAE – 2558) 358230
Lysy, R.
Potential-pO^{2-} diagram of neptunium in the LiCl-KCl eutectic at 660degC. 365021
Lytkin, L.
Analysis of the precision in effective mass and four-momentum transfer for forward produced systems using the magnetic spectrometer MIS. (JINR-E – 1-10718) 376719
Lytkin, L.K.
Big optical spark chambers and pulse generators for their suppling. (JINR-R – 13-9745) 358364
Lytkina, V.M.
Logic device for the three-dimensional analysis of the (n, 2n) nuclear reaction. (FEI – 542) 358432
Lytle, R.J.
Determining a subsurface electromagnetic profile fom high-frequency measurements by applying reconstruction-technique algorithms. 358669
Lyubavin, Yu.P.
Radioisotope X-ray fluorescence analyzer for elemental rock and ore analysis in natural deposits. (Czechoslovak patent document 157766/B/) 371174
Lyubchenko, A.V.
Influence of traps on the photoconductivity of cadmium bromide single crystals. 348809
Lyubchenko, V.
Aspects of nuclear safety at power plants and fuel cycle plants in the USSR. 370582
Lyubchenko, Yu.A.
On thermal decomposition of alkali metal octacyanomolybdates. 369730
Roentgenographic study of alkali metal and ammonium octacyanomolybdates (4). 351560
Lyubimkov, L.S.
Atmosphere models for normal stars. 374931
Lyubimov, B.Ya.
Experimental facility with an isothermal plasma pulse generator for investigations of MHD flow. 372316
Lyubimov, G.P.
Anisotropy of solar protons and inhomogeneities of the interplanetary medium. 356284
On anomalous anisotropy of solar cosmic ray flux in September 1973. 377661
On the 11 year cycle of cosmic rays. 356285
Strong active areas and disturbances of the interplanetary medium. 356271
Lyubimov, V.A.
Elastic backscattering of pions minus on protons at 25 and 38 GeV/c. 369349
Measurements of β spectra of tritium undertaken for more precise definition of the upper limit for the antineutrino rest mass. 378071
Solid hydrogen target. 357961
Lyubimov, V.B.
Study on the C^{12} – p + X inclusive reaction at PC = 40 GeV. (JINR-R – 1-9021) 364558
Lyubimov, V.D.
Kinetics and mechanism of initial stages of carbon-thermal reduction of ZrO_2. 364972
Study into kinetics and mechanism of formation of carbonitrides by carbothermal reduction of subgroup 4-a metal oxides. (INIS-mf – 3248) 369667
Lyubimova, L.N.
Neutron activation determination of tungsten in rocks and minerals. 375360
Lyublin, B.V.
Heating a dense theta-pinch plasma with strong fast-rising magnetic fields. 348894
Investigation of dense plasma heating in linear theta-pinch with strong fast-rising magnetic field. (INIS-mf – 3963) 371770
Lyubochkin, Eh.G.
Way of preparation of aqueous solutions containing ruthenium compounds. (Soviet patent document 469665/A/) 354348
Lyuboshitz, V.L.
On collision duration in the presence of strong overlapping resonance levels. 372641

Lyubovskaya, T.S.
Investigation into surface properties of aluminium-chromium-molybdenum catalysts. 378289
On thermodesorption of hydrogen from aluminium-chromium-molybdenum catalysts. 378288
Lyubtsev, R.I.
Release of volatile fission products from atomic power stations and fuel reprocessing facilities to the atmosphere and the outlook for their recovery. 367194
Requirements for extraction systems with regard to limiting radiation loads in reprocessing of fast reactor fuels. (IAEA-AG – 63-19) 362338
Lyubushkina, L.I.
On extraction of hafnium in the form of rhodanide from sulfuric-acid solutions. (INIS-mf – 4187) 375570
Study of zirconium and hafnium extraction separation possibility using solutions with deficit of acid. 357238
Lyuchkov, A.D.
Plastic deformation effect on the mechanical properties and structure of a quenched low-carbon steel. 369995
Lyudaev, R.Z.
Ironless pulse betatron with magnetic cumulative generator feed. 350084
Lyudomirskaya, A.P.
Isotherms of solubility of systems $Cs_2Cr_2O_7$-CrO_3-H_2O and $Rb_2Cr_2O_7$-CrO_3-H_2O and distribution of rubidium impurity during $Cs_2Cr_3O_{10}$ crystallization. (INIS-mf – 4187) 375507
Lyuksyutov, I.F.
Scattering of a high-frequency sound near the lambda transition in He. 369254
Lyul'ka, V.A.
Quantum effects in the field of a nonmonochromatic electromagnetic wave. 376924
Lyutorovich, N.A.
Electromagnetic constants of low-lying rotational bands of sup(173)Yb. 359394
More precise determination of the decay scheme of sup(173)Lu. 359393
Lyutovich, A.S.
Study of the gamma-irradiated effect on the nature of specific resistance distribution over the depth of phosphorus doped silicon epitaxial layers. 357401
Lyuttsov, K.
Study on regimes of nuclear power plants with WWER-type reactors. 376500
Lyuty, Y.M.
Effect of prestrain on time and temperature dependence of the Kh18N10T steel strength. 365166
Lyutyj, E.M.
Effect of coatings on refractory fibers strength. 369937
Effect of preliminary loading on the strength of the EhLN-1 alloy. 375856
Lyutyj, V.M.
The optical-variability characteristic-time dependence of galaxy nuclei on luminosity and mass. 377601
Results of optical observations of the Cygnus X-2 and Scorpius X-1 x-ray sources. 364277
M
Preliminary measurements of proton polarization in high energy inclusive processes. (COO – 2009-129) 364572
Ma, C.W.
Microscopic calculations of high-spin rotational states. 364700
Ma, E.
Comment on Weinberg's gauge theory of CP nonconservation. 372394
Has a Higgs particle been seen. 372459
P and CP nonconservation through Higgs exchange in gauge models with right-handed charged currents. 372393
Symmetry of the Higgs potential in SU(N) gauge models. 371410
Uniqueness of VV + AA gauge models. 372458
Ma, I.-C.
Geiger-Mueller counter for mixed neutron-gamma beam dosimetry. 374343
Ma, W.W.
CO_2 laser irradiation of solid targets in strong magnetic fields. 368955
Maarleveld, J.L.
An in-beam Ge(Li)-NaI(Tl) Compton suppression spectrometer. 355502
Multipolarities of prompt transitions in ^{156}Dy and spin-parities of the upper band levels. 356716
Maarleveld, J.R.C.
Integral boiling phenomena under radial temperature gradients in a twelve rod bundle of LMFBR geometry. (CONF-761001 – P4) 362873
Maas, J.W.
Research with the 4 MV accelerator, ch. 2. (INIS-mf – 3629) 362056
Maass, I.
Isotope fractionation of carbon during tribochemical reactions. 372977
Maaz, G.
Measurement of muon-neutrino and -antineutrino scattering of electrons. 353961
Mabuchi, H.
Moessbauer study of ancient Japanese artifacts. 348852
Mabuchi, Yoriko
Biological fate of butylated hydroxytoluene (BHT) in rats, (4). 352161
Biological fate of butylated hydroxytoluene (BHT) in rats, 1. 352158
Mac, E.
Fundamental length, bubble electrons and non-local quantum electrodynamics. (ORO – 3992-311) 361279
McAdam, M.E.
Radiation-induced organic hydrogen isotope exchange reactions in aqueous solution. 378514
McAfee, J.G.
The influence of structural changes on biodistribution of sup(99m)Tc labeled N-substituted IDA derivatives. (INIS-mf – 4010) 378493
A new solid phase reduction system using insoluble stannous salts for the preparation of sup(99m)Tc labeled radiopharmaceuticals. (INIS-mf – 4010) 357116
Radiopharmaceuticals for bone and bone-marrow imaging. 354876
McAfee, W.J.
Creep deformation and rupture behavior of type 304/308 stainless steel structural weldments. (ORNL – 5265) 357228
Thermal stress analysis of HTGR fuel and control rod fuel blocks in the HTGR in-block carbonization and annealing furnace. (ORNL/TM – 5861) 363470
Thermal-stress analysis of HTGR fuel and control rod fuel blocks in in-block carbonization and annealing furnace. (CONF-770807 – 28) 358251
McAlees, D.G.
Design features of the ELMO Bumpy Torus Reactor (EBTR). (CONF-771109 – 65) 377560
McAllan, A.B.
Estimation of microbial nitrogen compounds entering the ruminant duodenum using different reference components including a ^{32}P label. 354904
McAllister, J.D.
Fast neutrons from a 25-MeV betatron. 352418
MacAlpine, G.M.
Discovery of an X-ray QSO. 366741
Macarie, G.
Response function correction for a magnetic beta spectrometer. 376618
Study of beta-spectra by means of the ST-2 ironless beta-spectrometer with a toroidal magnetic field. (JINR-R – 13-10611) 358363
MacArthur, J.D.
Multiple scattering of 55 keV ^{29}P ions in silicon. (INIS-mf – 3996) 364060
Macasek, F.
Extraction of carrier-free ^{144}Ce with acetylacetone and 8-hydroxyquinoline. 369750
Solvent extraction of technetium complexes with thiourea. (INIS-mf – 3849) 378485
Technetate separation from fission products by solvent extraction with CCl_4 solution of tri – n – octyl amine. (INIS-mf – 3849) 378477
McAshan, M.S.
Initial performance of the Stanford Superconducting Recyclotron. 363180
The search for gravitational radiation, a large-scale experiment requiring temperatures in the millikelvin region. 359126
McAssey, E. Jr.
Scaled thermal hydraulic simulation of open lattice PWR cores: a scoping study. Final report, Task B. (EPRI-NP – 296) 374223
Macauley, M.W.S.
Configuration analysis of the 6.0 MeV 4^+ state in ^{24}Mg. 369450
An experimental and theoretical study of the low-lying states of ^{13}N. 366915
Folding of proton size in nuclear structure calculations. 372667
McBane, P.
A television/still camera with common optical system for reactor inspection. (IWGFR – 10) 363417
Macbeth, P.J.
Measurements of surface radon fluxes from uranium mill tailings. 349897
Macbeth, R.V.
Fouling in boiling water systems. Chapter 15. 358070
McBreen, B.
Search for high energy γ-ray bursts from evaporation of primordial black holes. 374903
McBride, J.B.
A simple neoclassical point model for transport and scaling in EBT. 348923
Stability of neoclassical EBT operating points. 371942
McBride, J.P.
Radiological impact of airborne effluents of coal-fired and nuclear power plants. (ORNL – 5315) 362611
Maccacaro, T.
The Ariel V (SSI) catalogue of high galactic latitude (bar b bar > 10^0) X-ray sources. 372138
McCaffery, A.J
Studies of molecular collision dynamics from polarized laser fluorescence. 366343
McCall, A.
Infrared light curves of AM Herculis. 369115
McCall, H.W.
Labor construction trends. 358147
McCall, J.L.
Microstructural science. Volume 4. 354461, 354553, 354597, 355426
Microstructural science. Volume 5. 369919, 369977, 370010, 370694, 370695, 370727
McCall, T.B.
Analysis of postulated FFTF pipe ruptures. (CONF-761001 – P3) 365579

Loss of one heat transport loop without reactor trip. 352263
McCallum, R.W.
Coexistence of superconductivity and long-range antiferromagnetic order in the compound Ersub(x)Mo_6Se_8. 357305
Phase transition in the superconducting state in Gd-rich pseudoternary compounds (Lasub(1-x)Gdsub(x))sub(1.0)Mo_6Se_8. 357304
McCamis, R.H.
Elastic proton scattering from ^{4}He in the forward direction at 200, 350 and 500 MeV. 362107
Energy loss and straggling of low energy alphas in helium. 353209
A liquid helium-4 target for intermediate energy nuclear physics. 374062
McCann, J.D.
Improvements in or relating to sensors for monitoring the electrical conductivity of electrically conductive fluids. (UK patent document 1491207/A/) 376578
McCardell, R.K.
Light water reactor fuel response during reactivity initiated accident type tests. (TFBP-TR – 246) 379245
McCarroll, R.
Collision models of intra-multiplet transitions at thermal energies. 353339
Collision models of intramultiplet transitions at thermal energies. 368644
Excitation transfer in thermal collisions between atomic hydrogen isotopes. 358755
Model potential calculations of akali rare-gas interaction. 353376
Model potential calculations of alkali rare-gas interaction. 377138
McCarthy, A.L.
Magnetoacoustic oscillations of a plasma containing two species of ions. (FUPH-R – 141) 356122
McCarthy, G.J.
Crystal chemistry of the rare earths in solidified high level nuclear wastes. 358530
McCarthy, I.E.
(e,2e) collisions. (FIAS-R – 27) 361402
Compton defect: is there a shift in the Compton peak. 371515
Electron coincidence spectroscopy. (FIAS-R – 23) 355901
Factorized distorted wave approximation for the (e,2e) reaction on atoms: coplanar symmetric. 353383
Momentum determinations by knockout reactions. 371514
The noncoplanar symmetric (e,2e) reaction on atoms. 353382
The optical model in electron-atom scattering. 361338
A theory of (p,2p) reactions at medium energies. (FIAS-R – 24) 356668
McCarthy, J.
A three-nucleon force and A = 18 shell-model spectra. 375104
McCarthy, J.S.
Elastic cross sections for e + ^{40}Ca at 757.5 MeV. 364744
McCarthy, M.F.
Bibliography on galactic structure in the direction of polar caps. 369083
Carbon and M-type giant stars in the Magellanic Clouds. 374880
McCarthy, M.J.
Deformation of liquid droplets and gas bubbles in electric fields. Research report No. 1. (UCRL – 13735-1) 358966
Dynamic levitation of charged liquid droplets. (UCRL – 13735-3) 358967
McCarthy, P.J.
Baecklund transformations as nonlinear Dirac equations. 371414
Lifting of projective representations of the Bondi-Metzner-Sachs group. 363813
McCartney, B.
Measurement of differential cross sections for elastic K$^+$p scattering in the momentum range 0.7 to 1.9 GeV/c. 372511
McCarty, I.E.
Electron ionization spectroscopy of acetylene: momentum distributions of the valence orbitals. 353224
McCarty, J.R.
Post-loss-of-coolant accident doses to pressurized water reactor equipment. 367770
MacCarty, R.L.
Retrospective comparison of radionuclide scans and computed tomography of the liver and pancreas. 352114
Maccary, R.R.
Development of in service inspection safety philosophy for USA nuclear power plants. 368134
Extended rules of the 1974 ASME Section XI Code, 'Inservice inspection of nuclear power plant components'. 365768
McCaslin, B.
Recent developments in Sandia Laboratories' sewage sludge irradiation program. (INIS-mf – 4220) 379412
Recent developments in the Sandia Laboratories' sewage sludge irradiation program. (SAND – 77-1411) 379413
McCaslin, J.B.
An intercomparison of dosimetry techniques in radiation fields at two high-energy accelerators. 370655
McCaughan, D.
Diagnosis of acute myocardial infarction in patients undergoing open heart surgery: a comparison of serial myocardial imaging with cardiac enzymes, electrocardiography, and vectocardiography. 357646
McCauley, E.W.
BWR Mark I pressure suppression study: bench mark experiments. (UCID – 17661) 379268
BWR Mark I pressure suppression study: characterization of the vertical load function utilizing bench top model tests. (UCID – 17675) 379633
BWR Mark I pressure suppression study: effect of downcomer fill level on the vertical load function. (UCID – 17662) 379269
Mark I 1/5-scale boiling water reactor pressure suppression experiment summary of effects due to vent line orifice variations: air test series. (UCID – 17539) 352635
Mass flowrates through the vent lines during air tests of the 1/5-scale Mark I BWR pressure suppression system. (UCID – 17601) 367777
Vertical forces induced in a 1/5 scale Mark I BWR toroidal wetwell under LOCA conditions. (UCRL – 79825) 357809
1/5-scale experiment of a Mark I boiling-water reactor pressure-suppression system under hypothetical LOCA conditions. (UCRL – 79143) 352275
Maccia, C.
Analysis and forecast of agricultural products exchanges between various regions with a view to evaluating food chain contamination. 370654
McClain, F.W.
GAQ: a computer program to find and analyze axisymmetric MHD plasma equilibria. (GA-A – 14490) 377243
McClain, W.C.
Geological criteria for radioactive waste repositories. (Y/OWI/TM – 47) 380034
McClain, W.J.
Proceedings of seventh symposium on sharing of computer programs and technology in nuclear medicine, computer assisted data processing. (CONF-770101 –) 373662
McClellan, R.O.
Biological effects of $^{239}PuO_2$ inhalation in the Rhesus monkey. (LF – 56) 362718
Biological effects of repeated inhalation exposure of beagle dogs to aerosols of ^{144}Ce in fused aluminosilicate particles. III. (LF – 56) 362716
Biological effects of repeated inhalation exposure of Syrian hamsters and mice to polydisperse aerosols of $^{239}PuO_2$. II. (LF – 56) 362739
Distribution, retention and cytogenetic effects of ^{239}Pu citrate in the testes of the Chinese hamster. (LF – 56) 362719
Nasal carcinomas in beagle dogs after inhalatioon of relatively soluble forms of beta-emitting radionuclides. (LF – 56) 365412
Repeated inhalation exposure of mice to $^{144}CeO_2$: lung tumors. V. (LF – 56) 362728
Repeated inhalation exposure of mice to $^{144}CeO_2$: retention and dosimetry. IV. (LF – 56) 362737
Repeated inhalation exposure of Syrian hamsters to $^{144}CeO_2$. II. (LF – 56) 362738
Toxicity of inhaled ^{144}Ce in fused aluminosilicate particles in immature beagle dogs. V. (LF – 56) 365414, 365427, 365428
Toxicity of inhaled $^{144}CeCl_3$ in beagle dogs. X. (LF – 56) 365411
Toxicity of inhaled $^{238}PuO_2$ in beagle dogs. A. Monodisperse 1.5 μm $^{238}PuO_2$. B. Monodisperse 3.0 μm $^{238}PuO_2$ particles. III. (LF – 56) 362740
Toxicity of inhaled $^{239}PuO_2$ in immature, young adult and aged Syrian hamsters. IV. (LF – 56) 362732
Toxicity of inhaled ^{90}Sr in fused aluminosilicate particles in beagle dogs. VII. (LF – 56) 365458
Toxicity of inhaled $^{90}SrCl_2$ in beagle dogs. X. (LF – 56) 365410
Toxicity of inhaled ^{90}Y in fused aluminosilicate particles in beagle dogs. VIII. (LF – 56) 365440
Toxicity of inhaled ^{91}Y in fused aluminosilicate particles in beagle dogs. VII. (LF – 56) 365441
Toxicity of inhaled $^{91}YCl_3$ in beagle dogs. X. (LF – 56) 365449
Toxicity of inhaled alpha-emitting radionuclides: an experimental approach. (LF – 56) 365430
Toxicity of inhaled beta-emitting radionuclides: an experimental approach. (LF – 56) 365426
Toxicity of inhaled polydisperse or monodisperse aerosols of $^{238}PuO_2$ in Syrian hamsters. IV. (LF – 56) 362742
Toxicity of injected ^{137}CsCl in beagle dogs. IX. (LF – 56) 365443
McClelland, J.
Correlation function for density perturbations in an expanding universe. I. Linear theory. 359127, 372217
McClelland, J.B.
Two Van de Graaff experiments for the senior laboratory. 351274
McClelland, R.R.
Bone scanning. 362783
McClendon, L.T.
Role of neutron activation analysis in the evaluation of sampling, storage, and analysis of samples for the national environmental banking system. 372859
McClintock, J.
X-ray determination of the orbital elements of 3U0900-40. (CONF-7510169 –) 364380
McClintock, J.E.
Optical candidates for two X-ray bursters and an X-ray pulsar. 359128
Positions of three X-ray burst sources. 359105
McClintock, P.V.E.
A miniature continuously filled He^4 cryostat. 376324
Preparation of isotopically pure superfluid ^{4}He suitable for constructing a high density neutron source. 367875
McClung, R.W.
Flaw-size measurement in a weld sample by ultrasonic frequency analysis. 352427
Studies in non-destructive testing with potential for in-service inspection of LMFBRs. (IWGFR – 10) 363517
Study of x ray and isotopic techniques for boreside radiography of tube-to-tubesheet welds. 352428
McClung, W.E.
Quality assurance programme for surveillance of fast reactor mixed oxide fuel analytical chemistry. 376594

McClure, D.A.
Resonance neutron capture gamma-ray studies of levels in ^{145}Nd. 364808
McClure, D.J.
Dynamics of the reaction $D^+_2 + O(^3P) \rightarrow OD^+ + D$, and the influence of the atomic quadrupole moment on the cross section at very low kinetic energies. 350652
Dynamics of the reaction $H^+_2 + H_2 \rightarrow H^+_3 + H$, with isotopic variations. 368625
McClure, J.A.
RETRAN: a program for one-dimensional transient thermal – hydraulic analysis of complex fluid flow systems. Volume I. Equations and numerics. Final report. (EPRI-NP – 408) 365584
McClure, J.P.
Plasma bubbles and irregularities in the equatorial ionosphere. 351977
McClure, N.
Direct effects in the electrophilic substitution of deltahedral boranes and heterboranes. Deuteration and halogenation of 1-SB_9H_9 and $SB_{11}H_{11}$. 378406
McCluskey, G.E.
The ultraviolet spectrum of beta Lyrae. 369095
McCluskey, G.E. Jr.
Effects of radiation pressure on the equipotential surfaces in x-ray binaries. (CONF-7510169 –) 364356
McCluskey, R.
Observation of the reactions $\pi^- p \rightarrow$ anti pd at 10 and 16 GeV/c. 372520
McClusky, G.E. Jr.
On the emission of neutrinos and gravitational waves in the formation of neutron stars. 366714
McColligan, J.V.
Test and acceptance from the utility's point of view. 358148
McColm, I.J.
Lanthanum nitride-carbides. 359657
McCombe, B.D.
Effects of implantant depth distribution on photoluminescence spectra in Be-implanted GaAs. 367325
McCombie, C.
Effect of steam entry in a GCFR core. (CONF-761001 – P2) 362979
Evaluation of iron cross sections for fast reactor lattices and shields with the aid of measured neutron spectra. 370794
Maccombie, W.
Do surges heat the corona. 356313
McConkey, J.W.
Metastable fragmentation patterns of CF_2 Cl_2 and CF Cl_3 following electron impact. 368605
McConnell, J.C.
Ultraviolet spectrometer experiment for the Voyager mission. 374884
McConnell, J.W.
Fission-product energy release for times following thermal-neutron fission of ^{235}U between 2 and 14000 seconds. (ORNL/NUREG – 14) 372738
ORCODE.77: a computer routine to control a nuclear physics experiment by a PDP-15 + CAMAC system, written in assembler language and including many new routines of general interest. (ORNL/NUREG/TM – 99) 351111
McConnell, P.H.
Los Alamos Scientific Laboratory building cost index. (LA – 6995-MS) 367932
McConnell, P.R.H.
Nuclear orientation of ^{206}Bi in nickel. 356832
McCord, R.B.
Microstructure characterizaton of advanced oxide fuel. (HEDL-SA – 1171-FP) 371046
McCorkell, R.H.
Discharge counter for the determination of uranium in water by the fission track method. 352821
McCorkle, D.L.
Experimental evidence for the existence of a Ramsauer-Townsend minimum in liquid CH_4 and Ar (Kr and Xe) and in gaseous C_2H_6 and C_3H_8. 359773
McCorkle, R.A.
Beam-density effect on the stopping of fast charged particles in matter. 368675
MacCormack, I.B.
Application of X-ray synchrotron topography to in situ studies of recrystallization. 368834
McCormack, J.D.
Preliminary results of CSTF aerosol behavior test, AB-1. (HEDL-SA – 1381) 379250
McCormick, E.J.
Effective operator selection for fossil fuel and nuclear power plants. (EPRI-SR – 28) 352985
McCormick, K.
Measurement of the poloidal field in the Pulsator tokamak using a neutral Li beam in conjunction with the Zeeman effect. (INIS-mf – 3963) 374840
McCormick, N.J.
Unique field-readable Type E security seal. 353006
McCormick, S.P.
Some lanthanide complexes of the conjugate base of 3-phenyl-5-methyl-1-hydroxypyrazole-2-oxide. 359610
MacCoss, M.
Conformational characteristics of rigid cyclic nucleotides. II. The solution conformation of α-nucleoside 3',5'-cyclic monophosphates and the role of the 2'-hydroxyl group. 378334
McCourt, F.R.
DWBA calculations of relaxation and kinetic cross sections. II. 371512
McCoy, B.M.
Failure of Bartels' scheme of applying Reggeon field theory to a spontaneously broken Yang-Mills theory. 361298
High energy behavior of two-body elastic amplitudes in gauge field theories. 361827
Speculations on quark observation. 369313
McCoy, D.R.
Inclusion of buckling approximations in finite element neutron transport methods. 360773
McCoy, H.E. Jr.
Status of materials development for molten salt reactors. (ORNL/TM – 5920) 379785
McCoy, J.E.
Observations of magnetic merging and the formation of the plasma sheet in the earth's magnetotail. 351973
McCracken, G.M.
High density discharges with gettered torus walls in Dite. (INIS-mf – 3963) 372042
High-density discharges with gettered torus walls in DITE. 348912
A novel technique for measurement of energetic hydrogen flux to the walls in fusion devices. 377397
Re-cycling experiments in the DITE tokamak. 374841
Trapping of energetic hydrogen ions in reactive metals. 362536
McCracken, S.
War against the atom. 380104
McCray, R.
Accretion flows in binary X-ray systems. 369159
Evaporative winds in x-ray binaries. 350980
Shock model for infrared line emission from H_2 molecules. 372210
Structure and evolution of wind-driven circumstellar shells. 356287
MacCready, V.R.
Nuclear medicine in oncology. (INIS-mf – 4010) 357695
McCreary, R.D.
Electron attachment to nitro compounds in liquid cyclohexane. 369774
McCreary, T.
Corrosion and ESCA studies of uranium after exposure to an RF discharge. (UCRL – 78939) 351664
McCredie, J.
The influence of design and regulatory code changes on a 'repeat' project – Pickering G.S. 'B'. 360943
McCrory, R.L.
Growth and saturation of instability of spherical implosions driven by laser or charged particle beams. 361591
McCullagh, R.J.
Radiation shielding apparatus. (US patent document 4,038,553/A/) 357839
McCulloch, D.B.
Measurement and calculation of slow power transients in the university training reactor, MOATA. (AAEC/E – 422) 357749
McCulloch, M.T.
The isotopic and elemental abundance of ytterbium in meteorites and terrestrial samples. 359563
McCulloch, R.W.
Ceramic processing of boron nitride insulators. (CONF-771137 – 2) 374176
McCullough, J.E.
Known volume air sampling pump. Final summary report Jun 1975 – Nov 1976. (PB – 266831) 357840
McCurry, D.C.
Core design methods for advanced LMFBRs. (HEDL-SA – 1205) 363500
Development of LMFBR core designs using reference and advanced oxide fuel. 379742
McCusker, M.V.
Nuclear fission fragment excitation of electronic transition laser media. (CONF-760646 –) 371932
Mcdanels, D.L.
Effect of angleplying and matrix enhancement on impact-resistant boron/aluminum composites. (N – 76-33293) 362516
McDaniel
Elastic and inelastic scattering of neutrons by isotopes of molybdenum and zirconium. (BNL-NCS – 22500) 356833
Sample size corrections and comparisons of (n,n') cross sections from n and γ-ray detection. (BNL-NCS – 22500) 356773
McDaniel, C.L.
Influence of K_2O on the cerium oxide – ZrO_2 system. 357189
McDaniel, D.H.
Power flow studies of magnetically insulated lines. (SAND – 77-1365C) 367976
Super power generators. (SAND – 77-1324c) 367975
McDaniel, E.W.
Cs^+-Kr and Cs^+-Xe interaction potentials. 377015
McDaniel, F.D.
K-shell x rays of selected elements from Nb through Gd for incident protons and alpha particles from 0.6 to 2.4 MeV. 358853
Projectile charge-state dependence of K-shell ionization by silicon ions: A comparison of Coulomb ionization theories for direct ionization and electron capture with x-ray production data. 363906
McDaniels, D.K.
Radiative capture of fast neutrons by ^{89}Y and ^{140}Ce. 377970
MacDiarmid, A.G.
Anisotropic Meissner effect in the linear-chain mercury compound Hg/sub 2.86/AsF_6. 360052
McDonald, A.
Applicability of the Reactor Safety Study (WASH-1400) to LMFBR risk assessments. (CONF-761001 – P2) 362909

McDonald, A.B.
Core-excited high-spin isomers in ^{212}Rn. 351371
The low solar neutrino flux. 354238
Search for a 0^+ level near the 8.87 MeV, 2^- level of ^{16}O. 354237
Width of the lowest T = 2 state in ^{28}Si. (RLO/1388 – 362) 372693
MacDonald, A.F.
Clinical evaluation of radioisotope axial tomography of the brain. (INIS-mf – 4010) 357678
McDonald, A.M.
Spin-parity combinations in ^{32}P from the ^{34}S(d(pol), α)^{32}P reaction. 366964
Macdonald, B.
Noise in 3-D imaging with large-area positron cameras. 379912
Three-dimensional imaging with large-area positron cameras. (LBL – 5501) 352120
McDonald, B.N.
Outlet ducts and inlet pipe arrangement for a nuclear reactor pressure vessel. (German (F.R.) patent document 2618345/A/) 355402
McDonald, C.F.
Ammonia turbomachinery design considerations for the direct cycle nuclear gas turbine waste heat power plant. (GA-A – 14171) 358257
McDonald, D.G.
Design of a Josephson-junction picosecond pulser. 374012
McDonald, D.W.
Temperature measurement error due to the effects of time varying magnetic fields on thermocouples with ferromagnetic thermoelements. 352837
McDonald, F.B.
Cosmic ray investigation for the Voyager missions; energetic particle studies in the outer heliosphere – and beyond. 374970
Observations of galactic cosmic ray energy spectra between 1 and 9 AU. (N – 77-19986) 361716
Observations of galactic cosmic-ray energy spectra between 1 and 9 AU. 359129
Macdonald, H.F.
Nuclear power and the environment. 370630
MacDonald, J.A.
Beta-delayed proton emission: a new series of precursors and the measurement of 10^{-16} s nuclear lifetimes. (AECL – 5560) 375180
Dynamics of nuclear fluid. III. General considerations on the kinetic theory of quantum fluids. 364727
Measurement of the π→eupsilon branching ratio. (INIS-mf – 4267) 377792
New limit on the decay $\mu^+ \rightarrow e^+\gamma$. 372516
Tsub(z) = 1/2 β-delayed proton precursors. I. 354232
McDonald, J.C.
Geiger-Mueller counter for mixed neutron-gamma beam dosimetry. 374343
McDonald, J.E.
The rare earths. 369673, 375511
McDonald, J.M.
Distribution of oxygen-15 in the dog at the steady-state. 352074
Macdonald, J.R.
An absolute measurement of the probability for 1s sigma and 2p sigma excitation of the lead K shell. 377073
Capture of inner-shell electrons by 0.2- to 2.0-MeV protons. 377105
Charge dependence of double K-vacancy states in collisions of Ssup(n+) (n = 5,8,10,12,13,14) on Ar at 1 MeV/amu. 377115
Experimental differential cross section for electron capture from helium by 293 keV protons. 350582
Projectile K x rays from Si^{12+} ions in the 1s2s $^3S_1$ metastable state incident on helium gas. 358819
X-ray emission in heavy ion-atom collisions: K-ionization cross sections. 353188, 376969
McDonald, K.E.
Comparative toxicity in rats vs hamsters of inhaled radon daughters with and without uranium ore dust. (BNWL – 2100(Pt.1)) 360315
Late effects of inhaled $Pu(NO_3)_4$ in rats. (BNWL – 2100(Pt.1)) 360300
McDonald, K.T.
Charged particle multiplicity distributions in pp collisions at ISR energies. 356525
Charged particle multiplicity distributions in pp-collisions at ISR energies. 353996
MacDonald, N.
Investigation of ^{18}F-2-deoxyglucose for the measure of myocardial glucose metabolism. (UCLA – 12-1142) 379114
MacDonald, P.E.
Axial gas flow in irradiated PWR fuel rods. (TREE-NUREG – 1158) 365883
Light water reactor fuel response during reactivity initiated accident type tests. (TFBP-TR – 246) 379245
McDonald, R.E.
Two site occupation by ^{12}B implanted in copper above T = 300 K. 353467
Macdonald, R.J.
A correction factor to the interatomic potential screening function for use in computer simulations. 364080
The effect of oxygen adsorption on ion and photon emission from ion bombarded elemental targets. 370185
The energy spectra of secondary ions emitted during ion bombardment. 363955
Quantitative surface analysis using ion-induced secondary ion and photon emission. 354302
Secondary ion and photon emission from ion bombarded solids. (INIS-mf – 3996) 364066
Study of the line width of spectral lines emitted from atoms ejected by ion bombardment. (INIS-mf – 3996) 364073
McDonald, S.G.
The isothermal decomposition behavior of β-stabilized zirconium alloys at elevated temperatures. 378687
Load relaxation studies of zircaloy-4. (COO – 2172-16) 373206
McDonald, T.A.
Boiling acoustic noise propagation in a pressurized water reactor-like environment. 363461
McDonald, T.P.
Hematologic changes and thrombopoietin production in mice after X-irradiation and platelet-specific antisera. 357580
McDonald, W.J.
Knockout reaction study with a polarized proton beam. 372780
McDonald, W.K.
Fabrication of superconductors. 359886
McDonnell, W.R.
Fission-fragment-induced helium blistering of ^{252}Cf-exposed surfaces. (DP-MS – 77-47) 377484
McDougall, I.L.
Mechanical properties of filamentary niobium tin composites. 359959
Stress induced degradation of critical currents in filamentary Nb_3Sn. 359958
MacDougall, J.
MURALB – a programme for calculating neutron fluxes in many groups. (AEEW-R – 962) 370799
McDougall, J.S.
Isolation, lactoperoxidase catalyzed radioiodination, and recovery of proteins bound to insoluble immunoadsorbents. 362768
McDowell, C.
A measurement of the polarization parameter in large angle proton-proton elastic scattering at 7.9 GeV/c. 356484
McDowell, C.A.
A versatile, fast pumping ultraviolet photoelectron spectrometer for the study of transient and unstable species. 355528
McDowell, K.
Frequency-dependent multipole polarizabilities and reduced Green's functions. I. The ground state hydrogen atom. 350653
Moments of the reduced hydrogenic Green's function. 371516
McDowell, M.R.C.
Electron impact excitation of Fe XXVI and other one-electron ions. 358701
Electron impact excitation of hydrogenic systems in a distorted-wave model. 376967
Electron impact excitation of one- and two-electron positive ions. 348709
Electron impact excitation of resonances below the n = 3 levels of atomic hydrogen. 361379
A note on the exchange amplitude for elastic forward electron-hydrogen-atom scattering. 355902
On the relation of optical polarization to orientation and alignment parameters. 374630
McDowell, R.S.
High-resolution spectroscopy using tunable diode lasers: techniques and applications. (LA-UR – 77-2222) 372979
MacDowell, S.W.
Spinor theory of general relativity without elementary gravitons. 361245
McDowell, W.J.
Bidentate organophosphorus compounds as extractants from acidic waste solutions: a comparative and systematic study. (CONF-770907 – 3) 363651
Evaluation of crown compounds in solvent extraction of metals. (CONF-770907 – 4) 362133
Impurities that cause difficulty in stripping actinides from commercial tetraalkylcarbamoylmethylphosphonates. (ORNL/TM – 5878) 362316
Uranium assay of phosphate fertilizers and other phosphatic materials. 378094
McDowell, W.P.
Optimizing measurement sensitivity to facilitate monitoring environmental levels of Rn-daughter concentrations. (CONF-771023 – 14) 378925
McEachern, D.W.
Fort St. Vrain core performance. (GA-A – 14527) 358258, 358259
McEachran, R.P.
Polarisabilities and shielding factors for He, Ne and Ar. 366357
Maceda, E.
Energy distributions and radiation transport in uranium plasmas. (CONF-760646 –) 374127
Maceda, E.L.
Optical line radiation from uranium plasmas. (N – 77-21938) 368005
Macedo Grassi, G.M. de
Yields of fission products, other than lanthanides, in the fission of ^{238}U with neutrons of 14 MeV. 351600
Macedo, M.S. De
Effects of X irradiation on homocytotropic and agglutinating antibody production in mice. 357579
Macek, J.
Comments on the polarization of the quenched radiation from the 2s state of hydrogen. 358765
The cross sections for 1s-2p excitation by electron impact. 353367
Macek, R.
Application of protons to computer tomography. (LA-UR – 77-2385) 373567
McElhinny, M.W.
Limits to the expansion of Earth, Moon, Mars and Mercury and to changes in the gravitational constant. 369160

McEllistrem
Elastic and inelastic scattering of neutrons by isotopes of molybdenum and zirconium. (BNL-NCS – 22500) 356833
Low energy neutron inelastic scattering. (BNL-NCS – 22500) 356834
Sample size corrections and comparisons of (n,n') cross sections from n and γ-ray detection. (BNL-NCS – 22500) 356773
McEllistrem, M.
The nuclear deformation of ^{148}, ^{15}+H0, ^{152}, ^{154}Sm determined from neutron scattering measurement. (INIS-mf – 3897) 356876
Mc Ellistrem, M.T.
Elastic and inelastic scattering of fast neutrons by even isotopes of silenium. (INIS-mf – 3897) 356815
Study on the (n, n' γ) reaction for even isotopes of selenium and germanium. (INIS-mf – 3897) 356881
McElroy, J.L.
Recent calcination and vitrification process accomplishments. 358493
Research and Development Activities. Waste Fixation Program. Quarterly progress report, April – June 1976. (BNWL – 2242) 368375
McElroy, J.T.
Ultrasonic variables affecting inspection. 365784
McElroy, M.B.
Ultraviolet spectrometer experiment for the Voyager mission. 374884
McElroy, N.
Health physics aspects of the EMI computerized tomography brain scanner. 370662
McElroy, R.J.
The irradiation creep of nickel and AISI 321 stainless steel during 4 MeV proton bombardment. 360094
Irradiation creep of reactor materials during 4-MeV proton bombardment. 360814
McElroy, W.N.
LMFBR reaction rate and dosimetry 10th progress report, June 1974 – October 1975. (HEDL-TME – 75-130) 351357, 351366, 351367, 351368, 351369, 351370, 351402, 351403, 351404, 351405, 351411, 351412, 351413, 352347, 352349
LMFBR reaction rates and dosimetry 10th progress report, June 1974 – October 1975. (HEDL-TME – 75-130) 351242, 351284, 351330, 351347, 351353, 351354, 351378, 351379, 351406, 352489
Reaction rate measurements. (HEDL-TME – 75-130) 351378
Review of microscopic integral cross section data in fundamental reactor dosimetry benchmark neutron fields. (HEDL-SA – 1148(Rev.1)) 377990
McEntire, R.W.
Low-energy particle observations in the quiet dayside cusp from AE-C and AE-D. 367436
McEvily, A.J.
Influence of microstructure and mean stress on the fatique behaviour of Ti-6Al-4V. 370054
McEwan, M.J.
Laboratory investigation of some ion-molecule reactions related to cyanide chemistry in dense interstellar clouds. 349013
McEwen, J.E. Jr.
Trends in the licensing of nuclear power plants. 363714
McEwen, K.A.
Magnetoresistance of praseodymium. 378744
MacEwen, S.R.
Irradiation creep in Zr single crystals. 360108
Macfall, D.
Nuclear reactor fuel element with a cluster of parallel fuel pins. (German (F.R.) patent document 1514993/C/) 355430
Macfall, J.
On the high energy proton spectrum measurements. 372156
McFann, C.B. Jr.
Experimental laser fusion devices and related vacuum problems. (UCRL – 79176) 358991, 368980
McFarland, S.S.
DTPA research at the University of Utah. 354857
Macfarlane, A.J.
Classical theory of the interaction between a spinor field and the gravitational field – first order field equations. 358651
McFarlane, J.C.
Plutonium uptake by plants from soil containing plutonium-238 dioxide particles. Final report. (PB – 268000) 362720
McFarlane, J.D.
The construction of Hartlepool and Heysham AGRs. 352680
Macfarlane, M.H.
Inelastic scattering of ^{16}O on even-Ca isotopes. (CONF-770968 – 6) 372808, 378050
Macfarlane, N.
Nuclear energy. 365508
McFarlane, R.W.
Radiocesium dynamics in herons inhabiting a contaminated reservoir system. 370396
McFarlane, W.K.
Experimental investigations in particle physics at intermediate energies. Progress report, December 1, 1976 – November 30, 1977. (COO – 3539-8) 364557
McGandy, R.B.
Histochemical, light and electron microscopic study of polonium-210 induced peripheral tumours in hamster lungs -evidence implicating the Clara Cell as the cell of origin. 365436
McGee, R.X.
Cyanodiacetylene in W Hydrae. 349014
McGeoch, D.J.
Block to influenza virus replication in cells preirradiated with ultraviolet light. 373484
McGeoch, M.W.
Multikilojoule CO_2 laser heating of polythene pellets. (INIS-mf – 3963) 372080
McGeorge, J.C.
The E1 and E2 strength in the electrofission of some heavy elements. 356878
McGervey, J.D.
Pressure dependence of positron lifetimes in V_3Si. 357325
McGetchin, T.R.
Global seismic effects of basin-forming impacts. (LA-UR – 77-368) 364344
MacGillivray, H.T.
A finding list of southern clusters of galaxies. 374881
The galactic cluster NGC 2527. 359076
McGinley, J.R.
Hydrogen and deuterium analysis by heavy ion activation. 369563
Use of very high output 14-MeV neutron generators for rock and ore sorting. 375385
McGinnis, D.H.
Index to conference titles; selected conferences cited in the ERDA data base 1972 – 1977. (TID – 4045-S1) 366220
McGlynn, S.P.
Molecular Rydberg states. VII. Water. 350471
Molecular Rydberg states. XI. Quantum defect analogies between molecules and rare gases. 366240
Physico-chemical study of some areas of fundamental significance to biophysics. Final report, 1974 – 1977. (ORO – 3018-180) 378341
McGovern, W.L.
Boll weevils: sterility induced by ^{32}P tagging. 373535
McGow, R.
Total cross sections for charged-current neutrino and antineutrino interactions in BEBC in the energy range 20-200 GeV. 353945
McGowan, F.K.
Coulomb excitation of ^{182} ^{184} ^{186}W and ^{166}Er with ^{4}He and ^{16}O ions. 356835
McGowan, J.C.
Solubilities of caesium hexachlororhenate(IV), hexabromorhenate(IV), and tetraoxorhenate(VII) in alcohol-water mixtures, and their relation to cosolvent characteristic volume. 351474
McGowan, J.E.
Flux-synthesis and luminescence of compounds of the $Y_2O_3 – Ta_2O_5$ system. 357366
McGowan, J.W.
Do present 'charge transfer to the continuum' theories correctly describe the production of vsub(i) = vsub(e) electrons in ion beam-foil collisions. 361378
Merged electron-ion beam experiments. 366315
McGrath, P.E.
Overview of the reactor safety study consequence model. (SAND – 77-0151C) 357824
McGreevy, E.
Phaseshifts for the ^{1}P continuum of helium. 350654
MacGregor, A.D.
Infrared sources in the compact H II region G45.5 + 0.1. 356263
McGregor, B.J.
Monte Carlo calculations of time-dependent neptunium-237 and uranium-235 fission rates in a pulsed neutron assembly. (AAEC/E – 432) 372645
McGregor, C.K.
Magnetic fusion energy annual report, July 1975 – September 1976. (UCRL – 50002-76) 377420
McGregor, D.H.
Breast cancer incidence among atomic bomb survivors, Hiroshima and Nagasaki, 1950 – 1969. 362704
McGregor, I.
Coherence parameters and vector polarization in the ^{3}P excitation of helium. 353306
The hyperfine interaction in electron impact radiation of mercury. 353307
MacGregor, M.H.
Neutron-induced angular and energy distributions: graphical experimental data. (UCRL – 50400(Vol.19)) 377833
MacGregor, R.R.
Radiopharmaceuticals. XXVII. ^{18}F-labeled 2-deoxy-2-fluoro-D-glucose as a radiopharmaceutical for measuring regional myocardial glucose metabolism in vivo: tissue distribution and imaging studies in animals. 373600
McGrory, J.B.
Shell-model origins of collective effects in light- and medium-weight nuclei. (CONF-770977 – 1) 372646
Yrast decay schemes from heavy ion + ^{48}Ca fusion-evaporation reactions. I. ^{54} ^{56}Mn, ^{56}Cr, and ^{52} ^{53}V. 351397
Yrast decay schemes from heavy-ion + ^{48}Ca fusion-evaporation reactions II. ^{59} ^{60}Fe and ^{59} ^{60}Co. 364832
McGuire, E.J.
Electron ionization cross sections in the Born approximation. 350655
Photoionization of 4f electrons from rare-earth atoms at a surface. 358871
Scaled electron ionization cross sections in the Born approximation. 350656
McGuire, H.E. Jr.
Effect of liquid waste discharges from steam generating facilities. (BNWL – 2393) 379279
McGuire, J.C.
Radioimmunoassay for thromboxane B_2. 362770
Techniques for studying corrosion and deposition of radioactive materials in sodium loops. (IWGFR – 7) 360967

McGuire, J.H.
Generalized Coulomb-projected Born-approximation cross sections for atomic excitation by charged-particle impact. 363925
Independent electron approximation for atomic scattering by heavy particles. 350657
McGuire, P.
Comparison of classical mechanics and the coupled states approximation for Li^+ -CO scattering on an ab initio calculated CI potential energy surface. 371536
McGuire, R.E.
Sources and acceleration of low energy protons and electrons observed in interplanetary space. 372218
McGuire, W.L.
Autoradiographic localization of the binding of ^{125}I-labelled prolactin to rat tissues in vitro. 367619
McGurk, N.J.
The unitarity pole approximation for the binding energy of ^{4}He. 372669
McGurn, J.S.
Sub-picosecond proximity-focused visible streak camera evaluation and application. (LA-UR – 77-1872) 361584
Mach, R.
The πHe^3H^3 coupling constant estimation using the Chew-Low equation. 356624
Machacek, M.
Simple quantum-chromodynamics prediction of jet structure in e^+e^- annihilation. 369284
Machacek, V.
Nuclear magnetic resonance in the study of unsaturated polyesters isomerization. 349190
Machado, E.L.
Measurement of oxygen content of uranium oxide fuel and steel. (IEA – 425) 354285
Machaj, B.
Comparison of two types of scintillation probe for moisture density gauge. 355549
Machalek, M.D.
Proposal for the ZT-40 reversed-field Z-pinch experiment. (LA – 6625-P) 364165
Machali, F.
An experimental investigation of the reactions $^9Be(d,\alpha_0)^7Li$ and $^9Be(d,\alpha_1)^7Li$ in the deuteron energy range 0.9-2.5 Mev. 356718
Machan, V.
Age dependent sup(99m)Tc-Sn-oxytetracycline uptake by the rat myocardium after isoprenaline administration. 373677
Preparation of sup(99m)Tc-Sn-tetracycline antibiotics and their organ distribution in rats. 373019
Machanoff, R.
A fluence response study of lethality and mutagenicity of white, black, and blue fluorescent light, sunlamp, and sunlight irradiation in Chinese hamster ovary cells. 373482
McHardy, I.
Radio sources in clusters of galaxies. 369161
McHargue, C.J.
Metals and Ceramics Division materials science annual progress report for period ending June 30, 1977. (ORNL – 5311) 373148
Machavariani, A.I.
The effect of relativistic kinematics in pion-deuteron scattering. 361995
Machi, S.
Radiation-induced copolymerization of hexafluoroacetone with α-olefins. 378531
Machida, C.
Developments and studies for marine disposal of radioactive wastes. 358527
Machida, H.
Simultaneous diffusion of calcium and strontium in NaCl single crystals. 353462
Machida, K.
Proximity effect for superconductors containing transition metal impurities. I. 351124
Machida, Kikuo
Normal distribution of ^{111}In chloride on scintigram. 349869
Machida, T.
Basic studies of various ^{99}sup(m)Tc-labelled renal agents and clinical application of ^{99}sup(m)Tc-malate. 352165
Machiels, A.J.
Molecular beam study of the kinetics of the fluorine – uranium dioxide reaction. 378478
Machkhoshvili, R.I.
Studying acetylhydrazine complexes of rare earth chlorides by the infrared-spectroscopic method. 369668
Machova, J.
Incorporation of ^{14}C-leucin in proteins of the rabbit autonomous nervous system and the effect thereon of pharmaceuticals. 373654
Machover, M.
Curves along which plane waves can interfere. 351169
McHugh, S.L.
Proposed outline of safety analysis report for facilities for geologic isolation of radioactive wastes. (Y/OWI/SUB – 77/22320) 358539
Machulla, H.-J.
Comparative studies of different labelled fatty acids for heart muscle metabolism. (INIS-mf – 4010) 360327
17-^{123}I-heptadecanoic acid for non-invasive investigation of myocardial metabolism. (INIS-mf – 4010) 357608
Machulla, H.J.
Preparation, quality control and stability of ^{11}C-, sup(34m)Cl-, ^{77}Br- and ^{123}I-labelled fatty acids for kinetic studies of heart muscle metabolism. 349326
Machurin, E.S.
Electron radiation effects on microhardness and internal friction in iron-nickel alloys. 349588
Macicka, O.
Behaviour of ^{3}H-VUL 111 in rat organism. 373669
Maciejewska, A.
Methods of investigations of molybdenum produced by powder metallurgy. 373231
Maciejko, R.
Corrections to the Goldberger-Treiman relation in a unified gauge-field model. 372390
Maciel, A.
Quadrupolar interactions in $BaHfO_3$. 350784
Maciel, O.S.
Determination of glomerular filtration in dogs through ^{113}sup(m)In-DTPA. 352115
McIlroy, H.M.
High temperature syntactic foam. (BDX – 613-1534(Rev.)) 351866
McIlwain, C.E.
Characteristics of magnetospheric particle injection deduced from event observed on August 18, 1974. 370306
McInerney, P.T.
Commissioning and operating of Hinkley Point 'B' AGR. 352694
McIntosh, P.S.
Comparison of Hα synoptic charts with the large-scale solar magnetic field as observed at Stanford. 372153
McIntosh, R.A.
Nature of induced mutations affecting disease reaction in wheat. 373721
McInturff, A.D.
ISABELLE quadrupoles. 363333
Operating experience with the HEUB superconducting dipoles. 363327
McIntyre, B.A.
Westinghouse emergency core cooling system evaluation model application to plants equipped with upper head injection. Volume II. (WCAP – 8480-NP(Rev.2)) 379317
McIntyre, H.
Oil companies push in-situ recovery. 361142
U.S. utilities may seek CANDU reactors. 361155
McIntyre, P.
Producing massive neutral intermediate vector bosons with existing accelerators. 353991
McIntyre, P.J.
The measurement of layer thickness by the deconvolution of ultrasonic signals. (CEGB-RD/B/N – 4110) 355623
MacIntyre, W.J.
Camera-computer systems for rapid dynamic imaging studies. 373650
McIsaac, L.D.
Bidentate organophosphorus extractants: purification, properties and applications to removal of actinides from acidic waste solutions. (ARH-SA – 263) 363650
McIver, R.F.
Preliminary orientation and parametric survey for very high temperature reactors with intermediate heat exchangers. 379711
Mack, A.
Experiments on the determination and limitation of fission and activation product release during core meltdown. (KFK – 2435) 357726
Experiments with simulated large core melts. (KFK – 2435) 357808
Mack, G.
Double isotope method for the determination of catecholamines, serotonin, and other amines in the picomole range as their dansyl derivatives. 362136
Osterwalder – Schrader positivity in conformal invariant quantum field theory. 361294
Quark and colour confinement through dynamical Higgs mechanism. (DESY – 77/58) 364525
Mack, J.E.
Automatic particle-size analysis of HTGR nuclear fuel microspheres. (CONF-771048 – 1) 370979
Automatic particle-size analysis of HTGR recycle fuel. (ORNL/TM – 5907) 363472
Mack, K.J.
Reactor technology. (KFK – 1277/2) 371061
Mack, P.E.
Effect of sunspots and faculae on the solar constant. 361696
Mack, W.
Economics of radwaste volume reduction and solidification systems. 357818
McKay, A.
Destroying actinides in nuclear reactors. 376760
McKay, H.A.C.
The separation and recycling of actinides: a review of the state of the art. (EUR – 5801) 361108
World energy resources. (AERE-R – 8856) 352905
McKay, J.A.
Thermal transient analysis of pulsed heat deposition in sheet targets and observations of plasma spreading. 350903
McKee, C.F.
Evaporation of spherical clouds in a hot gas. II. Effects of radiation. 351052
Nature, origin, and evolution of the hot gas: interstellar. 356288
McKee, J.D.A.
Collisional de-excitation of 5-26keV metastable hydrogen atoms. 353248
McKee, J.M.
Water-to-sodium leak detectors: development and testing. (CONF-760503 – P2) 352769

McKee, J.M. Jr.
Method and device for regenerating cold traps in liquid metal systems. (German (F.R.) patent document 2624222/A/) 355299
Procedure and equipment for regenerating cooling traps in liquid metal circuits. 360815
McKee, J.S.C.
The four-body reaction ^{6}Li(p,pα)np as a probe of the cluster structure of ^{6}Listar. 351335
An observation of optical transition radiation from 29MeV protons crossing a vacuum-to-metal interface. 353423
McKee, R.A.
Zirconium metal-water oxidation kinetics. IV. Reaction rate studies. (ORNL/NUREG – 17) 357740
McKee, R.J.
Further muonic-atom test of vacuum polarization. 350625
Macken, T.
Development of components for the gas-cooled fast breeder reactor programme. 379752
Mackenbrock, B.
Kinetics of various sup(99m)Tc-Sn-pyrophosphate compounds in the rat. Pt. 2. 354408
McKenna, K.F.
End loss from a collision dominated theta pinch plasma. 350904
Experiments on end-loss phenomena and material end plugs in a 5-M linear theta pinch. (INIS-mf – 3963) 353589
Solid – end-plug experiment on a theta pinch. 350819
McKenna, P.J.
Community colleges are sources for nuclear technicians: a case report. 358149
McKenney, D.J.
Excitation of hydrogen fluorescence through near resonant energy transfer from argon. 361377
McKenty, P.W.
Generation of time-dependent neutron transport solutions in infinite media. 372558
McKenzie, D.L.
The analysis and interpretation of solar X-ray photographs. 353716
Mackenzie, G.A.
The structure of octofluoronaphthalene at high pressures investigated by neutron powder diffraction. (INIS-mf – 4094) 361457
Mackenzie, G.H.
Improvements to the beam properties of the TRIUMF cyclotron. 363199
McKenzie, J.F.
Discontinuous transitions in a current-carrying plasma. 366585
McKenzie, J.M.
Short-term annealing in silicon devices after fission and fusion irradiations. (SAND – 77-0357) 352846
McKenzie, N.C.
Financing nuclear programmes in developing countries. 371237
McKenzie, R.I.H.
Strategies for improving rust resistance in oats. 373714
McKeon, G.
Extended Yang-Mills formalism. 371415
McKeown, F.A.
Geologic effects of the long shot explosion, Amchitaka Island, Alaska. (USGS – 474-245) 352397
McKeown, M.
Improved numerical results for the three-dimensional alloy with site diagonal disorder. 366387
McKeown, R.
Spin-parity of the 14.08 MeV level in ^{12}C. 351390
McKerrell, A.
Repulsive nonlocal potential models for the deuteron. 351259
McKerrell, H.
The application of X-ray fluorescence and neutron activation analysis in archaeological research. (INIS-mf – 4037) 356963
Comparison of medieval decorated floor-tiles with clay and tile fragments from the kilns at Bistrup. (INIS-mf – 4037) 356928
Progress in thermoluminescence dating at Edinburgh. (INIS-mf – 4037) 356962
McKerrow, S.M.
The application of the Hammett equation to ^{13}C n.m.r. spectrometry. 355992
Mackert, E.
Experimental investigations of the meltdown phase of UO_2-Zircaloy fuel rods under conditions of failure of emergency core cooling. (KFK – 2435) 357776
Mackey, I.
A new R-matrix method for electron molecule collisions. 358717
McKibben, R.B.
Experimental test for the charge state of the "anomalous" helium component. 364381
Mackie, F.D.
Nuclear physics and dense matter. 372642
Mackiewicz, H.
The effect of pulse losses in a scinticamera. 355550
McKinnon, M.A.
TDHR-a Tokamak demonstraction hybrid reactor. 377377
Macklin, L.
Spent-fuel transport: available as needed. 360693
Macklin, R. L.
Resonant neutron capture in ^{139}La. 372795
Macklin, R.L.
^{232}Th(n,γ) cross section from 2.6 to 800 keV. 372787
Fast neutron capture cross sections of ^{169}Tm, ^{191}Ir, ^{193}Ir, and ^{175}Lu for 3 less than or equal to E/sub n/ less than or equal to 2000 keV. (LA – 7024-MS) 378032
Fine structure of the magnetic dipole giant resonance in ^{208}Pb. 359517
High resolution neutron transmission and capture for ^{91}Zr. 356842
Neutron capture by ^{208}Pb at stellar temperatures. 364368
McKlveen, J.W.
Uranium assay of phosphate fertilizers and other phosphatic materials. 378094
McKnight, R.H.
Electron transfer between multicharged ions and atomic hydrogen. 358806
McKone, T.E.
Risk assessment in the absence of complete data. 354995
Mackowiak, M.
Investigation of molecular motions dynamics by NQR and quadrupole relaxation methods – application of high pressure technique. 377238
Temperature dependence of the NQR spectra and spin-lattice relaxation of ^{35}Cl in CCl_3COONH_4. 364973
Mackowski, J.M.
Backscattering analysis of the thermal diffusion of gold layers into amorphous semiconductor thin films. 367101
McKoy, V.
A discrete basis set approach to electron-molecule scattering. 358784
Discrete-basis-set approach to the minimum-variance method in electron scattering. 350641
SCF-stabilization approach to excited states embedded in the continuum. 350570
A time-dependent first-order Bethe-Goldstone theory. 374604
McKusick, K.A.
Pharmacokinetics of /sup 99m/Tc diphosphonate. 352088
Quality of bone scans compared with time between dose and scan. 357649
McLachlan, M.S.F.
Bone mass measurement using a xenon-filled multiwire proportional counter as detector. 360394
McLane, S.B.
Highly charged ions in field evaporating 4d-transition metals. 378666
McLaren, J.R.
Sequelae of abdominal radiation and their medical management. 379071
McLaren, K.G.
The effects of high energy radiation on the pulping properties of Pinus radiation and Eucalyptus regnans. 357570
McLarnon, J.G.
A high resolution positron annihilation study of the Fermi surface of αphase CuGe. 377244
McLatchie, W.
Electromagnetic properties of the ground state rotational band in ^{169}Tm. 356900
McLauchlan, K.A.
Chemically induced magnetic polarization; theory, technique and applications. 351634
McLaughlin, J.R.
Alterations in premating behavior and pheromone biology of gamma-irradiated Trichoplusia ni (Lepidoptera:Noctuidae). 357670
McLaughlin, T.
Study of fast reactor safety test facilities. Preliminary report. (LA – 5978-MS) 370530
McLaughlin, W.L.
Distribution of energy deposited in plastic tubing and copper-wire insulation by electron beam irradiation. 375700
McLean, A.S.
Insignificant levels of dose: a practical suggestion for decision making. (NRPB-R – 62) 352337
McLean, D.R.
Regional fuel-cycle centers: technical and operational considerations. 375740
McLean, E.A.
Enhanced backscatter with a structured laser pulse. 359007, 361616
Laser-matter interaction studies at NRL. 372038
McLean, J.L.
Improved evaluation of nozzle corner cracking. Final report. (EPRI-NP – 339) 360886
MacLean, S.C.
DT fusion neutron irradiation of an LLL niobium tensile specimen at elevated temperatures. (UCID – 17664) 373361
DT fusion neutron irradiation of BNL – LASL superconductor wires, BPNL wire-foil packet, and ORNL magnesium oxide crystal. (UCID – 17528) 351249
DT fusion neutron irradiation of BPNL niobium nickel and 316 stainless steel at 175°C. (UCID – 17667) 373362
DT fusion neutron irradiation of LLL Nb – 1Zr tensile specimens at 600°C. (UCID – 17666) 378805
DT fusion neutron irradiation of LLL niobium. (UCID – 17669) 379385
DT fusion neutron irradiation of LLL stainless steel tensile specimens at 450°C. (UCID – 17665) 378804
McLeary, R.
High-pressure discharge for CO_2 lasers. (MRL-R – 687) 357923
McLeland, H.L.
Uranium bed oxidation vacuum process system. (GEPP – 329) 380006
McLennan, D.J.
Model calculations of heavy atom isotope effects for E2 and E1cB dehydrochlorination of 1,1-diaryl-2,2-dichloroethanes. 359591
Model calculations of hydrogen-deuterium isotope effects for E2 and E1cB dehydrochlorinations of 1,1-diaryl-2,2-dichlorethanes. 357003

McLeod, C.
K⁻n elastic scattering between 610 and 840 MeV/c. 356502
MacLeod, G.E.
Investigation of hydrostatic extrusion and other deformation modes for the fabrication of multifilamentary niobium – tin superconductors by a powder metallurgy approach. (LBL – 6622) 367216
McLeod, J.
Use of non-quarter-wave designs to increase the damage resistance of reflectors at 532 and 1064 nanometers. (LA-UR – 77-2529) 371864
MacLeod, J.M.
Observations of 85α recombination lines from W48. 359119
Macleod, M.A.
An intercomparison of computer assisted date processing and display methods in radioisotope scintigraphy using mathematical tumours. 360373
McLeod, M.J.
Cation exchange of 53 elements in nitric acid. (LA – 7083) 378143
McLeod, N.B.
Uranium importation. 366163
McLeod, P.
High rate magnetron sputtering. 368799
McLerran, L.D.
Fermions and gauge vector mesons at finite temperature and density. I. Formal techniques. 363778, 363779, 363780
McLevige, W.V.
Electrical profiling and optical activation studies of Be-implanted GaAs. 351898
McLintock, I.S.
Laboratory contamination by radioactive iodine. 352181
McLoughlin, J.H.
Introduction of an advanced energy system in a developing country. 352770
McMahon, J.M.
Laser-matter interaction studies at NRL. 372038
McMahon, T.
$f^0(1270)$ production in the reaction $\pi^-p \rightarrow \pi^+\pi^-n$ at 12 and 15 GeV/c. 372501
MacMahon, T.D.
IDENT – a radioisotope-identification subroutine for use with the gamma-ray spectrum analysis program SAMPO. 375237
McMahon, T.J.
K⁻n elastic scattering between 610 and 840 MeV/c. 356502
McManus, H.
Core polarization in inelastic scattering. 359435
McMichael, G.E.
Computer control of the beam transport system of the Chalk River electron test accelerator. (AECL – 5544) 365753
MacMillan, D.B.
Application of the substructuring method to thermal analysis. (KAPL-P – 4056) 367908
MacMillan, J.H.
Reliability: the early opportunity. 363695
McMillan, J.W.
A nuclear microprobe method for the simultaneous determination of silicon and nitrogen profiles in metals. 364891
MacMillan, S.
Frequency of hepatitis B surface antibody (anti-HBs) in various Canadian populations as measured by modified solid-phase radioimmunoassay. 360391
McMillan, W.G.
Measuring ^{85}Kr concentrations around a nuclear fuel reprocessing facility. (DP – 1455) 367420
McMonagle, C.A.
Investigation of combined free and forced convection in a 2 x 6 rod bundle. (BNWL – 2216) 363523
McMorran, P.D.
Dynamic simulation of a reboiler. (AECL – 5680) 360945
McMullan, D.
The complex motions of the neutral and ionized gas within the Dumb-bell Nebula (NGC 6853) – II. 374911
McMullan, J.T.
Energy resources. 371238
McMullen, T.
The effect of positron-phonon scattering on positron trapping at defects in metal. 350756, 368841
Positron trapping at dislocations in metals. 355952
McMullin, J.N.
The effects of scattering of quiet Sun emission at frequencies less than 200 MHz. 353700
Evolution and thermonuclear yield of a high β plasma column. 350905
McMurchie, L.E.
One and two electron integrals over Cartesian Gaussian functions. (UCRL – 13791) 377080
MacMurdo, K.W.
Determination of tritium in solutions from nuclear fuel reprocessing. (DP-MS – 77-36) 362317
Pollen as a monitoring tool. (DP – 1455) 367430
McMurray, P.R.
Reprocessing technology for present water-reactor fuels. 367198
McNab, T.K.
Two site occupation by ^{12}B implanted in copper above T = 300 K. 353467
McNair, R.E.
Infrared four-wave mixing in liquid CO. 367864
McNally, J.R. Jr.
Autobibliography on ion-layer production, properties, needs, and applications. (EPRI-ER – 536-SR) 371944
Energy transfer from ions to electrons and the Coulomb logarithm. (ORNL/TM – 5803) 366594
Fusion-fission analogy. (CONF-771109 – 85) 377485
General requirements and approaches to advanced fuel fusion. (EPRI-ER – 536-SR) 371943
The ignition parameter Tntauand the energy multiplication factor k for fusioning plasmas. 348941
Plasma engineering considerations for a medium-field ignition test reactor. 377509
Some fusion perspectives. (CONF-760744 –) 356140
McNally, P.J.
The Canadian heavy water supply program. 360566
McNamara, B.
Some highlights of theoretical and computational plasma physics. (UCRL – 79600(Pt.2)) 361592, 361593
McNamara, D.H.
Note on the Spectrum of SX Phoenicis. 361717
McNamara, J.M.
Instability of black hole inner horizons. 368566
McNamee, P.C.
Current algebra and the eta sub(3π) decay. 369314
On the sign of the rho-ω mixing charge asymmetric NN potential. 354057
McNamee, W.L.
A negative ion sputter source for operation in a Van de Graaff terminal. 367955
MacNaughton, J.
Inclusive production of charged pions in K⁻p interactions at 32 GeV/c. 353960
Study of the reactions $K^-p \rightarrow K^+K^-\Lambda$ and $Kp \rightarrow$panti pΛ, at 10 and 16 GeV/c. 353978
McNaughton, M.W.
$^6Li(n,d)^5He$ and $^7Li(n,d)^6He$ with 56.3 MeV neutrons. 351337
Neutron-proton differential cross section measurements at 25.8 and 50.0 MeV. 359509
Proton pickup from ^{27}Al via the (n,d) reaction at 56.3 MeV. 354161
McNeany, S.R.
Criticality considerations for ^{233}U fuels in an HTGR fuel refabrication facility. (ORNL/TM – 6136) 379328
McNeely, W.A.
Evidence for the F meson. 353947
Measurements of tau decay modes and a precise determination of the mass. 372505
On the origin of inclusive electron events in e^+e^- annihilation between 3.6 and 5.2 GeV. 353772
On the semileptonic decay of charmed hadrons. 356496
Macneil, C.K.
Continuous monitoring of a heavy water plant effluent with a sulphide-selective electrode. 364871
McNeil, J.A.
Relativistic eikonal expansion. (ORO – 5126-19) 372492
McNeil, L.E.
Kinetics of stimulated Moessbauer emission in neutron-pumped krypton-83. (LA – 7004-MS) 373970
MacNeil, P.E.
Viking relativity experiment. 366755
McNeill, D.H.
Electron heating by neutral beam injection in Ormak. (INIS-mf – 3963) 371961
Electron heating by neutral-beam injection in the Oak Ridge tokamak. 358985
McNeill, K.G.
Angular distributions and cross sections of the photoneutron reaction in ^9Be in the photon energy region 18-26 MeV. 356729
In vivo determination of nitrogen using Pu-Be sources. 349179
The 98 deg differential cross sections for the reactions $^{13}C(\gamma,n_0)^{12}C$ and $^{13}C(\gamma,n_1)^{12}C$. 359540
McNeilly, G.S.
Design status of a separated-sector cyclotron booster accelerator for the Holifield Heavy Ion Research Facility. (CONF-770313 – 82) 365752
McNelley, T.R.
Microstructural correlation between the mechanical behavior of large volume fraction particulate composites at low and high temperatures. 357367
McNiff, E.J. Jr.
High-field critical current in in situ multifilamentary Cu-Sn-Nb alloys. 367244
High-field measurements of anisotropy of H/sub c/ and effect on grain-boundary flux pinning in V_3Si. 369944
McNiven, H.D.
Experimental assessment of the Mindlin – McNiven rod theory. 351778
McNulty, P.J.
Particle induced visual phenomena in space. 360539
Width measurements on neon and nitrogen tracks in Ilford G-5 emulsion. 368307
McNutt, J.D.
Positron-helium scattering cross sections at low energies. 353204
Macovski, A.
Maximum likelihood approach to transmission image reconstruction from projections. 363094
MacPhail, M.R.
Particle transfer and gamma ray studies of ^{144}Pm. 359506
McPhee, A.H.
Dry spent fuel cask handling system. 352479
MacPhee, D.G.
Spontaneous, ultraviolet and ionizing radiation mutagenesis in two auxotrophic strains of Salmonella typhimurium carrying an R

plasmid. 352017
McPheeters, C.C.
Problem considerations in the U.S. radioactivity control technology programme. (IWGFR – 7) 360975
Tritium permeation through steam generator materials. 360993
McPherron, R.L.
Characteristics of the association between the interplanetary magnetic field and substorms. 367416
Interplanetary magnetic field conditions associated with synchronous orbit observations of Pc 3 magnetic pulsations. 370289
McPherson, A.C.
Measurement of differential cross sections for elastic K^+p scattering in the momentum range 0.7 to 1.9 GeV/c. 372511
Partial-wave analysis of $K^-p \rightarrow \pi^0\Lambda(1520)$ between 1710 and 2170 MeV c.m. energy including new data between 1775 and 1960. 372507
McPherson, G.D.
Loss-of-Fluid Test (LOFT) facility. 374281
MacPherson, H.G.
Economic and environmental implications of a U.S. nuclear moratorium, 1985 – 2010. (ORAU/IEA – 76-4) 352305
McPherson, R.G.
Use of line charge system for a helical electrostatic quadrupole. 374073
McPherson, S.
Heater drain deaeration in BWR nuclear station under pumped forward conditions. 355372
McPhie, J.
Some problems encountered in the instillation of core and associated components for the Hartlepool and Heysham AGRs. 352695
Macq, P.
Measurement and MIA analysis of the neutron differential cross section and polarization in the α-D break-up at 33 MeV c.m. 354230
Neutron beam facility at the Louvain-la-Neuve isochronous cyclotron; cross sections for fast neutron production. 379484
McQuade, A.W.
Absorption of high frequency electromagnetic waves in a magnetoplasma. 350837
McQueen, J.H.
Chemical tracers in Hybla Gold working room. Final report. (LA – 7097-MS) 379456
MacQueen, R.M.
Temporal evolution of the equatorial K-corona. 372211
McQuiddy, D.N.
Josephson junction technology program. Phase I. Final report 4 Oct 1976 – 21 Apr 1977. 360609
MacRae, A.
Differentiation of functionally active mouse T lymphocytes from functionally inactive bone marrow precursors. 357576
Macrae, K.I.
Geometrical and topological formulation of local gauge and supergauge theories. 371411
MacRae, S.
Differentiation of functionally active mouse T lymphocytes from functionally inactive bone marrow precursors. 357575
Macrin, R.
Lifetime determinations of the nuclear excited states by Doppler shift attenuation method. 377874
Lifetime measurements in Li^7 and Be^7. 356749
McSherry, A.J.
Irradiation creep of stainless steel in bending. 360109
McTague, J.P.
Orientational epitaxy in adsorbed monolayers. (BNL – 22804) 351869
McUmber, L.M.
Vapor explosion experiments with simulant fluids. (CONF-761001 – P4) 362949
Vapor-explosion experiments with subcooled Freon. (ANL – 77-43) 373826
McVay, G.L.
In-reactor deformation of solution annealed type 304L stainless steel. 360078
Irradiation-induced creep in 316 and 304L stainless steels. (CONF-770641 – 3) 351914
McVerry, B.A.
Immune complexes and abnormal liver function in haemophilia. 373616
McVey, B.D.
Mode conversion of the fast magnetosonic wave in a deuterium-hydrogen tokamak plasma. 350876
McVey, E.G.
Model boiler studies on deposition and corrosion. (AECL – 5801) 359820
McVey, J.R.
Portable instrument measures four ventilation parameters. 351938
McVey, W.H.
Review of United States program in LMFBR fuel reprocessing. (IAEA-AG – 63-3) 362339
MacVittie, T.J.
Characteristics of the in vitro monocyte-macrophage colony-forming cells detected within mouse thymus and lymph nodes. 370321
McVoy, K.W.
Regge parametrization of angular distributions for heavy-ion transfer reactions. 372592
McWhan, D.B.
Neutron scattering study of magnetic ordering in the reentrant superconductor $ErRh_4B_4$. 373237
Pressure dependence of magnetic excitations in PrSb. 367281
McWhirter, J.M.
TFTR magnetic field design analyses. (WFPS-TME – 026) 366519
McWhirter, M.
Special tests of plutonium shipping containers. 350006
McWhirter, R.W.P.
Data needs, priorities and accuracies for plasma spectroscopy. (IAEA – 199) 348942
McWhorter, R.J.
Assessment of the United States uranium supply outlook, short and intermediate term (1977 – 1996). (PB – 266647) 362575
Maczka, D.
Investigation of atom thermoionization in an ion source. 374627
Mada, Junji
Moessbauer study of the low temperature phase of magnetite (Fe_3O_4). 353463
Madalosso, F.
Adducts of uranium tetrachloride with neutral Schiff bases. 357094
Preparation and properties of mononuclear and binuclear uranyl(VI), thorium(IV) and transition d ions complexes with multidentate Schiff bases. 359763
Madan, A.S.
Spherical containment system has many advantages. 365885
Madan, M.P.
On the axial heating of magnetically confined plasma with CO_2 lasers. 361577
Madansky, L.
Nuclear moments and nuclear structure. Annual progress report, May 1, 1976 – July 31, 1977. (COO – 3274-21) 361906
Madaras, R.J.
D meson production and decay in e^+e^- annihilation at 4.03 and 4.41 GeV c.m. energy. 353989
Electron-muon and electron-hadron production in e^+e^- collisions. 366879
K^0 production in e^+e^- annihilation. 353983
Properties of the proposed tau charged lepton. 356517
A search for neutral heavy leptons. 356514
Spin analysis of charmed mesons produced in e^+e^- annihilation. 351228
Madatova, E.G.
Positron annihilation in boron nitride crystals. 371698
Maddagiri, A.M.
Steam plant surface condenser leakage study. Final report: Volume I. (EPRI-NP – 481(Vol.1)) 358059
Steam plant surface condenser leakage study: appendices. Final report: Volume II. (EPRI-NP – 481(Vol.2.)) 358060
Madden, P.A.
Fusion reactor control study. First annual report. (EPRI-ER – 533) 366531
Madden, P.B. Jr.
Partial wave analysis of the reaction $K^-N \rightarrow \Lambda^0\pi^-\pi^0$ from 1610 to 1710 MeV. 361891
Maddock, A.G.
The chemistry of positronium. III. 362196
The chemistry of positronium.-Part. III: inhibition and quenching by silver and cadmium salts. (CRN-CNPA – 77-12) 354404
Maddox, D.E.
Comparison of four stannous compounds for in vivo red cell labelling with sup(99m)Tc. (INIS-mf – 4010) 362721
Radionuclide left ventriculography with the slant hole collimator. 352118
Maddry, E.
Recent results from counter-spark chamber ν experiment at BNL. 353980
Madej, J.
Influence of scattering on the continuous spectrum emitted by the grey atmosphere. Approximate solution. 372212
Madell, J.T.
Investigation of sodium-bonded carbide fuel assembly design. 379781
Madelmont, C.
Levels of fallout ^{90}Sr and ^{137}Cs in milk regional variations of transfer factors. 370424
Madelzweig, Y.
Radiation dose to the breast in mammographic examinations. (INIS-mf – 4052) 376127
Mader, J.J.
Momentum density measurements with a new multicounter two-dimensional angular correlation of annihilation radiation apparatus. 358342
Madero, C.C.
Implementation of nuclear power in Argentina. 352904
Madewell, D.G.
Guide to radioactive waste management literature. (ORNL – 5226) 366070
Madey, R.
Energetic-neutron spectrometry. Progress report, 1 June 1976 – 31 August 1977. (COO – 2231-38) 363580
Madey, T.E.
Decomposition of H_2CO and CH_3OH on Ru (110) and Ni (100). 370079
Evidence for the conformation of H_2O adsorbed on Ru(001). 357300
Evidence for the structures of adsorbed NH_3 and H_2O on Ru(001). 369996
Interaction of methanol with ruthenium. 378277
Ultraviolet photoemission studies of methanol adsorbed on Ru(110). 369941
Madfes, I.S.
The effects of accelerated heavy nuclei of neon and argon on

mammalian cells in culture. 378981
Madhava, M.R.
An ultrasonic study of the elastic phase transition in In-Cd alloys. 357301
Madhvanath, U.
Mutagenic action of non-ionizing radiations: its implication in radiation protection. 370327
Response of aqueous coumarin solution to high LET radiation from $^{10}B(n,\alpha)^7Li$ reaction. 365066
Madi, I.
Comparative study of the ion transport process in a membrane system by quantitative autoradiography, using photoemulsion and plastic track detector. 375597
Deposition of carrier-free ^{54}Mn on a platinum anode. 357870
Madia, W.J.
Comparison of advanced reactor potentials. 379699
Radiological environmental assessment of the recycle of LMFBR advanced fuels. (CONF-771008 – 5) 373872
Madiba, C.C.P.
Analysis of x-ray spectra excited by x rays, electrons, and protons in monazite. 351322
Madigan, W.P.
A binary encoded position-sensitive scintillation hodoscope. 371104
Madison, D.H.
Angular correlation parameters for 1s-2p excitation of hydrogen calculated in the distorted-wave approximation. 358718
Born-approximation calculations of the energy and angular distribution of electrons ejected by proton-impact ionization of helium. (ANL – 76-88(Pt.1)) 361376
Electron-impact excitation of the 2p state of atomic hydrogen in the distorted-wave approximation – Angular parameters. 353358
Triple-differential cross sections for electron-impact ionization of helium. 350647
Madiyanov, T.N.
Analysis for gold in rocks in the presence of high amount of silver. 357449
Madland, D.G.
Influence of isomeric states on independent fission product yields. 372788
Madni, I.K.
Buoyant jets discharging nonvertically into a uniform, quiescent ambient: a finite-difference analysis and turbulence modeling. 368835
Simulation of transients in liquid-metal fast breeder reactor systems. 373781
Madore, J.
A classification of SU_3 magnetic monopoles. 363805
A theoretical expression for the rhodeg – rho $^{+-}$ mass difference. 353115
Madsen, A.C.
Steam plant surface condenser leakage study. Final report: Volume I. (EPRI-NP – 481(Vol.1)) 358059
Steam plant surface condenser leakage study: appendices. Final report: Volume II. (EPRI-NP – 481(Vol.2.)) 358060
Madsen, S.
Channelling effects for 15 GeV/c negative pions. 377798
Energy loss of 2-15 GeV/c particles in Si and Ge single crystals with a comparison to existing theory. (INIS-mf – 3996) 364005
Madsen, V.A.
Explanation of near equality of isoscalar and electromagnetic transition rates in neutron-excess nuclei: comparison with data. 361961
Explanation of the near equality of isoscalar and electromagnetic transition rates in neutron-excess nuclei; representation of the data in terms β/sub αα'/β/sub em/. (UCID – 17508) 351266
Madyanov, S.A.
Ultrasonic effect on tempering kinetics in chromium and manganese steels. (INIS-mf – 3914) 349430
Maeck, W.J.
Fast reactor fission yields for ^{237}Np. (ICP – 1050-3) 374256
Fast reactor fission yields for ^{239}Pu and ^{241}Pu. (ICP – 1050-11) 365982
Oklo, an experiment in long-term geologic storage. 362879
Maeda, H.
Behaviour of superthermal electrons in the scrape-off layer of DIVA. 372099
Formation of a light-impurity-free plasma in DIVA. 374846
Reduction of power loss due to heavy impurities in Diva. (INIS-mf – 3963) 372098
Maeda, Hisato
Technical considerations for functional imaging of regional cerebral blood flow with ^{133}Xe. 349853, 379193
Maeda, K.
Behaviour of hydrogen atoms in the fragmentation of CH_3CD_3. 359808
Bonding effect in X-ray spectra induced by 84 MeV N^{4+} ions. 358846, 377562
Factors which alter the parameters for evaluating internal exposure. 354855
Safety related design philosophy and experience of the experimental fast reactor "JOYO". (CONF-761001 – P2) 365580
X-ray L_1, L_2 and L_3 absorption limits of Mo. 350740
Maeda, Koichiro
An interpretation of hydrogen and helium line spectra of the loop prominence observed on November 3, 1973. 349012
Maeda, Koji
Reversible hardening induced by electron-beam irradiation in CdS single crystals. 358888
Maeda, M.
Denatured fuel cycles for safeguards control. 380131
Maeda, Masunobu
Formation constants and structures of complexes between cadmium (II) and iodide ions in aqueous solution. 373002
An x-ray diffraction study on the structure of the aqua indium(III) ion in the perchlorate solution. 372978
Maeda, Mitsuru
Development of a continuous cold trap of fluidized bed. (JAERI-M – 7064) 367205
Feasibility study for removal of SiC coating in HTGR-type fuel by F_2-fluorination. (JAERI-M – 7060) 350240
Maeda, Nobuhiro
An electron energy spectrometer of double-stage retarding field type, 2. 371494
Maeda, Sho
Present status and problems on technology development of high level waste management being in progress at Radioisotope Center, JAERI. (JAERI-M – 7138) 374415
Safety testing of ceramic strontium-90 β-ray source. (JAERI-M – 7305) 379378
Maeda, Y.
Moessbauer effect of ^{129}I in mercury(I)iodide. 356051
Maeder, A.
Cosmology: the hubble-sandage diagram for first ranked galaxies with evolutionary corrections in dirac's cosmologies with G and M variables. 353696
Maegerlein, H.
Device for monitoring the personnel traffic into and out of rooms where radioactive material is handled. (German (F.R.) patent document 2016857/B/) 371298
Maehara, T.
A new interaction with electron and muon-number nonconservation. 364526
Maehr, G.
Whole-body bone scans in patients with plasmacytoma. Typical pattern of 'hot spots' in the rib cage. 365466
Maekawa, Hiroshi
Absolute fission-rate distributions in lithium and hybrid fusion blanket assemblies, (2). 348961, 353584
Maekawa, Isamu
Availability analysis of commercial fast breeder reactor's steam generator system. 368215
Maekawa, S.
An approximate theory of steady-state and dynamic characteristics of alpha-particle-heated DT-fusion reactors. 348959
Maekawa, Yasuaki
Environmental radiation monitoring system in nuclear power plant. 350299
Maekelae, M.
A study of sulfur isotopes in the Sokli multi-stage carbonatite (Finland). 373409
Maekelae, P.H.
Radioimmunoassay of capsular polysaccaride antigens of groups A and C meningococci and Haemophilus influenza type b in cerebrospinal fluid. 349844
Maekoshi, Hisashi
A calculation of dose distribution around ^{32}P spherical sources and its clinical application. 373898
Monitoring of ^{131}I in exhalation of patients administered ^{131}I for therapy. 367592
Maelicke, A.
An enzymatic approach to the labelling of tryptophan residues in peptides and proteins. 370445
Maene, N.
Quality control of plutonium oxide fuel elements by neutron radiography. 376440
Maenhaut, W.
Determination of the chemical composition of the South Pole aerosol by instrumental neutron activation analysis. 375306
Maeno, Masaki
Measurements of plasma energy losses to the wall in JFT-2. (ZAED-tr – 77/2) 350936
Maentylae, M.J.
Changes in cardiopulmonary power due to radiotherapy of bronchogenic carcinoma measured by radiocardiography. 379067
Maerk, T.D.
Ionization of ammonia and deuterated ammonia by electron impact from threshold up to 180 eV. 366354
Ionization of phosphine and deuterated phosphine by electron impact from threshold up to 180 eV. 350648
A new method for the measurement of the mean etchable fission track length and of extremely high fission track densities in minerals. 352808
Partial and total electron impact ionization cross sections of NH_3. 368672, 368673
Production of H_2 in a water vapor plasma of a hollow cathode discharge. 368671
Secondary emission from a CuBe target due to bombardment with parent and fragment ions of ammonia and phosphine. 368836
Maeshima, M.
Mechanisms of vapor explosions. Technical progress report, October 1976 – March 1977. (COO – 2512-10) 352717
Maestri, M.
530 nm-laser photolysis studies of the photo reduction of tris(2,2-bipyridine)-ruthenium(II) by organic donors. 365070
Maettig, P.
Evidence for a narrow width boson of mass 2.95 GeV. 372519
Inclusive anti K^{*0} (890) production in π^-p interactions at 16 GeV/c. 356507
Production of phi and f' in 10 GeV/c K^-p interactions. 353959

Maettlig, P.
Observation of the reactions $\pi^-p \rightarrow$anti pd at 10 and 16 GeV/c. 372520
Maeura, Yoshiichi
Tumor induction of small intestine in Wistar rats by local x-irradiation. 379026
Maeurer, K.
Radiocardiography during first cardiac passage. (INIS-mf – 4010) 362822
Maeusli, P.A.
Elastic constants of Nb-Zr single crystal alloys between 4.2 K and the melting point. 378742
Maevskaya, Z.V.
Effect of differnt doses of ionizing radiation on the level of phytohormones in plants. 349729
Maevskij, V.M.
EPR and electrofield effects in $NaCl:Eu^{2+}$ and $NaCl:Mn^{2+}$ single crystals. 348819
Maezawa, Yoshikazu
Pressurized water reactor nuclear power training center. 350226
Maffei, C.I.
Effect of gamma radiation (^{60}Co) on the organoleptic and nutritive properties of common beans (Phaseolus vulgaris L., cv. mulatinho). (CENA-BC – 018) 354759
Maffeo, B.
Calculation of magnetic hyperfine constants. (PUC-TN – 15/75) 355966
Calculation of the electronic structure and magnetic hyperfine contact terms of interstitial hydrogen in alkaline-earth fluorides. (PUC-TN – 18/75) 353477
A Cluster-Bethe lattice treatment for the U_2-center in alkali-halides. (PUC-TN – 21/76) 351770
Electronic structure calculation of $[Fe(CN)_6]^{-3}$ by the SCF-MSXα method. (PUC-TN – 26/76) 350733
Electronic structure, optical spectra and contact terms of the CoF_6^{4-} cluster in LiF. (PUC-TN – 19/75) 353393
Evaluation of magnetic dipolar terms in molecules. (PUC-TN – 10/77) 350531
F-centers in alkaline-earth fluorides. Inadequacy of the muffin-tin approximation. (PUC-TN – 19/77) 364083
Isometric displacement of the iron and ferricyanide ions by the multiple scattering method. 364026
Wavefunction for the interstitial hydrogen atom in SrF_2. (PUC-TN – 23/75) 353466
Magakyan, T.Yu.
Conspicuous changes of the shape of two cometary nebulae. 369094
Magalhaes, A.N.
Ferromagnetic instabilities in disorder metallic systems. 364067
Ferromagnetic instabilities in transition disorder metallic systems. 364068
Static magnetic response of pure coupling metallical systems. 363984
Magara, Shigenori
Reactor control rod. 368079
Magarik, K.N.
Measuring chamber of the device for determination of the wear particle radioactivity. (Soviet patent document 437950/A/) 370698
Magat, L.M .
X-ray diffraction study of precipitation of $SmCo_5$ base solid solution. 369998
Magat, L.M.
Magnetic properties and crystal structure of UCosub(5,3) alloy. 373183
Magat, M.
Primary trapping and solvated electron yields. 357157
Magda, I.I.
Multisection graphite calorimeter. 376625
Magdeburg, W.
Results of the use of a sup(99m)Tc labelled pharmaceutical for bile duct scintigraphy. (INIS-mf – 4010) 370505
Magdiev, B.N.
On band structure of $CdSnAs_2$. 364940
Magdon, E.
DNA repair in human lymphocytes. 349707
Magee, C.B.
A correlation between the interstitial hole sizes in intermetallic compounds and the thermodynamic properties of the hydrides formed from those compounds. 367259
Magee, C.W.
Application of nuclear reactions for quantitative hydrogen analysis in a variety of different materials problems. (CONF-770642 – 3) 349159
Use of nuclear reactions and SIMS for quantitative depth profiling of hydrogen in amorphous silicon. 359547
Magee, J.L.
Electron energy loss processes at subelectron excitation energies in liquids. 359793
Radiation chemistry in condensed phases. 357169
Magee, M.W.
Building 431 fire tests. (UCID – 17585) 377329
Magee, N.H. Jr.
Astrophysical opacity library. (LA – 6760-M) 359099
Electron impact excitation of carbon and oxygen ions. (LA – 6691-MS) 358780
Magelssen, G.R.
PHD-IV, a laser-plasma simulation code. 377492
Magelsson, G.R.
Nonrelativistic electron stream propagation in the solar atmosphere and type III radio bursts. 372213
Mager, T.R.
Irradiation effects and the duplication of detected flaws in service. (IAEA – 189) 359955
Westinghouse Nuclear Europe reactor vessel surveillance program. (IAEA – 202) 376519
Magerramov, A.I.
Crystal structure of double lithium praseodymium ortho-borate-$Li_3Pr_2(BO_3)_3$. 359578
Magerramov, Eh.V.
Investigation into the In_2Se_3-Sb_2Se_3 system. 369633
Synthesis preparation of monocrystals and study of the properties of the $InSbSe_3$ and $InSbS_3$ compounds. 369632
Magette, M.
Preparation, crystal structure and enthalpy of formation of dicaesium hexabromoneptunate. 357102
Magg, M.
On the monopole-dyon system in non-Abelian gauge theories. 361283
Maggi, L.
Some noble metals and copper content of Italian meteorites as determined by destructive neutron activation analysis. 372855
Maggiore, C.J.
Etching of thin silicon films. (LA – 6850-C) 371138
Magi, M.
^{29}Si and ^{13}C-NMR chemical shifts in crowded bis (trimethylsilyl)ethenes. 366437
^{29}Si and ^{13}C-NMR spectra of vinyl- and allylsilanes. 366463
Magielko, H.
Quadrupole mass spectrometer type QSM. 374378
Magill, J.
Atomic physics algorithms for plasmas undergoing transient ionization and recombination. 356136
On the generation of transient capillary waves on the surface of laser irradiated targets. 373363
Maglich, B.
Migma IV high energy fusion apparatus. 363220
Maglich, B.C.
Design considerations for a migma advanced fuel fusion reactor. 363240
Migmacell: a low-gain driven fusion power amplifier as an interim energy source. (EPRI-ER – 536-SR) 371935
Magnani, L.
Better dynamic closed loop control of the PSB rf accelerating system. 363237
Magne, R.
Recent results in the lower-hybrid heating of the Wega device. (INIS-mf – 3963) 372085
Magner, A.G.
Semiclassical interpretation of the gross-shell structure in deformed nuclei. 354117
Magnon, A.
A separation of the transverse and longitudinal cross section in a coincidence π^+ electroproduction experiment. A measurement of the pion radius. (LYCEN – 7702(pt.1)) 359454
Magnoni, G.
Absolute estimation of radon daughter concentrations in air by α-spectrometry. 374290
Magnuson, C.F.
Shock and vibration environments for large shipping containers on rail cars and trucks. (SAND – 76-0427) 352405
Magnuson, G.D.
Penning and associative ionization in the Ar^*-Na system. 353318
Magnuson, J.
Repair of titanium airframe castings by hot isostatic pressing. 378677
Magnusson, K.F.
Envelope composition of Salmonella typhimurium 395 MS and 395 MR10 assesses by X-ray photoelectron spectroscopy (ESCA). 369559
Magomedov, A.B.
On band structure of $CdSnAs_2$. 364940
Magomedov, Ya.B.
Electroconductivity of As_2Se_3, As_2Te_3 and alloys in As_2Se_3-As_2Te_3 system in solid and liquid states. 348750
Measurement of thermal conducitivity of Cdsub(0,28) Hgsub(0.72)Te at hydrostatic pressure. 366389
Magometov, K.Kh.
Investigation into the process of ferrovanadium nitridation. 369958
Magon, L.
Thermodynamic properties of actinide complexes. Part 5: Uranyl(VI)-thioglycolate system; thorium(IV)-glycolate and thioglycolate systems. 375419
Magon, V.K.
A partial-wave analysis of world data for the reaction $\pi^-p \rightarrow K^0\Lambda$ from threshold to 2350 MeV/c. 353760
Magonedov, Ya.B.
Electroconductivity and thermoelectromotive force of $TlAsS_2$, $TlAsSe_2$, $TlAsTe_2$ compounds in solid and liquid states. 355931
Magori, V.
Ultrasonic transducer. (German (F.R.) patent document 2541492/A/) 352835
Magos, L.
Radioactive mercury vapor generating and exposing system for small scale animal experiments. 367602
Magradze, B.A.
Automodel solutions in conformal invariant theory with a continuous mass spectrum. 368563
Magradze, N.V.
The separation of heavy ion tracks in nuclear emulsions by means

of the pulsed electric field. 368267
Magraw, J.E.
Mechanical properties and the critical current in filamentary Nb_3Sn. 359949
Magro, C.S.
Infrared sources in the compact H II region G45.5 + 0.1. 356263
Magruder, S.F.
Normal operators and Hamiltonians in $(phi^4)_3$ field theories and their transformation properties. 363758
Maguire, H.T. Jr.
Capture cross section measurements of Pr and Kr. (BNL-NCS – 22500) 356757
Maguire, W.
The Voyager infrared spectroscopy and radiometry investigation. 374914
Magurno, B.A.
ENDF/B dosimetry file for version V. (BNL – 22300) 351250
Mah, S.Q.
Experimental study of dynamic stabilization of dissipative drift modes by oscillating azimuthal magnetic field. 366589
Mahaffey, R.A.
High-power microwaves from a nonisochronic reflecting electron system. 364223
Mahajan, K.K.
Models of electron temperature in the ionospheric F-region using electron density height profiles. 354713
Mahajan, N.M.
Experience in the use of nuclear gauges for subsurface investigation at river valley projects in India. 367393
Seepage studies through hydraulic structures and their foundations by inactive and radio tracers. 370270
Mahajan, S.
Correlation of textural and microstructural changes in deformed molybdenum single crystals. 357256
Mahajan, S.M.
Drift-convective cells in a nonuniform plasma with magnetic shear. (PPPL – 1351) 350894
Mahan, A.
Cation exchange sorption of some metal ions from aqueous ammonium acetate medium : separation of Ce(IV) from Ce(III), La(III) and other metal ions. 367081
Mahan, A.H.
Field emission of monoenergetic spin-polarized electrons. 353402
Mahan, B.H.
Photoionization of dimeric polyatomic molecules: Proton affinities of H_2O and HF. 366239
Mahan, G.D.
Inelastic scattering of electrons by vibrational motion of molecules adsorbed at metal surfaces. 377000
Mahan, W.M.
Method for rapid particle size analysis by hydrosizing and nuclear sensing. (US patent document 4,010,369/A/) 352358
Mahapatra, N.C.
Theory of nuclear quadrupole interaction in hexagonal close packed metals: cadmium and zinc. 365165
Mahar, D.L.
Geochemical dispersion of uranium near prospects in Pennsylvania. (GJO – 1659-1) 365295
Maharana, J.
Roy's equations and the study of inelastic effects on the pion form factor. 359294
Mahaux, C.
The external field in Brueckners theory of nuclear matter. 377911
Many-body theory of the optical-model potential. 356613
Optical-model potential in finite nuclei from Reid's hard core interaction. 351291
Theoretical investigations of the optical-model potential. 356614
Mahdavi, A.
Study on the behaviour of radionuclides in seawater in the Persian Gulf and Caspian Sea area. Part of a coordinated programme on marine radioactivity studies. (IAEA-R – 1405-F) 357515
Mahdavi, M.A.
Studies of doublet plasmas in Doublet IIA. 358942
Maher, D.M.
Electron-beam-induced current and TEM studies of stacking faults formed by the oxidation of boron-implanted silicon. 373381
Irradiation damage effects in silicon containing stacking faults. 370186
Maher, J.V.
Four-nucleon pickup from ^{64}Zn and ^{64}Ni. 372762
Optical potential for $^{12}C + ^{28}Si$ scattering. 362046
Maheshwari, S.L.
Hydromagnetic stability of a self-gravitating composite plasma in the presence of finite Larmor radius. 371936
Mahfouz, M.M.
Optimization of total triiodothyronine radioimmunoassay in unextracted serum by dextran charcoal. 349855
Mahle, N.H.
Chromatographic determination of the relative retention of isotopic species of oxygen in methanol and methan-d^3-ol. 357048
Mahlmann, W.
Contemplations on the further development of nuclear law. 352965
Mahlstedt, J.
Computerized deconvolution analysis of the isotope renogram; software development and clinical application. (INIS-mf – 4010) 362826
Early recognition of potential hyperthyroidism in endemic areas. (INIS-mf – 4010) 370475
The effect of orally administered contrast media for cholangiography on T_4-T_3 conversion. (INIS-mf – 4010) 370484
Estimation of risk for hyperthyroidism by determination of the mass of autonomous thyroid tissue. (INIS-mf – 4010) 370476
Influence of iodinated cholegraphica on T_4/T_3-conversion. 360380
Influence of prior application of ^{99}sup(m)Tc-DMSA upon the results of ^{131}I-OIH-clearance determination. 376194
Radioimmunoassay of h-TSH – methodological suggestions for dealing with medium to large numbers of samples. 352166
Results of functional hepato-chole-scintigraphy with HIDA. (INIS-mf – 4010) 370513
Mahlum, D.D.
Deposition and retention of inhaled $^{239}PuO_2$ aerosols in new born and adult rats. (BNWL – 2100(Pt.1)) 360345
Mobilization of plutonium burdens during pregnancy. (BNWL – 2100(Pt.1)) 360316
Strain differences in the embryotoxicity of ^{239}Pu. (BNWL – 2100(Pt.1)) 360344
Mahn, I.
Studies on the platelet radioactive anti-immunoglobulin test. 365494
Mahnke, H.E.
New Van de Graaff terminal for VICKSI. 363143
Mahoney, J.
Energy dependence of the distribution of reaction strength in the $^{16}O + ^{40}Ca$ collisions. (ANL – 77-60) 378024
Influence of intrinsic nucleon motion on energy spectra and angular distributions for ^{16}O-induced reactions at 20 MeV/A. 356769
Particle-particle angular correlations in peripheral heavy-ion reactions. 362065
Mahoney, M.J.
Determination of the decameter wavelength spectrum of the quiet sun. 356225
Mahoney, W.A.
A search for the reported 400-keV γ-ray line from Crab Nebula. 356279
Mahony, T.D.
The long-term effects on normal tissue of an intracavitary treatment with californium-252. 379042
Mahy, B.W.J.
Block to influenza virus replication in cells preirradiated with ultraviolet light. 373484
Mai, W.
FLEX – a code for calculating neutron flux microdistributions in lattices consisting of hexagonal fuel assemblies. 355242
Maidment, J.R.M.
LEP injection. 363154
Maiella, G.
The role of pseudoparticle configurations in the Schwinger model. 371412
Maienschein, F.C.
Neutron Physics Division progress report for period ending February 28, 1977. (ORNL – 5280) 351241
Where are we and where are we going in reactor shielding. (CONF-770401 – 5) 352469, 366907
Maier-Borst, W.
An efficient method for routine production of o-iodohippuric acid labelled with ^{131}I, ^{125}I or ^{123}I. 357121
A half automated, non time consuming radiochemical separation scheme for determination of 25 trace elements in biological specimens. 372924
Maier-Komor, P.
Rapid and accurate method for measuring the thickness of extremely thin targets. (LA – 6850-C) 370758
Maier-Leibnitz
Monochromatic single crystal. (German (F.R.) patent document 1816542/B/) 352820
Maier, C.H.
Ionisation of hydrogen by protons in a modified second Born approximation. 350649
Maier, G.
Evaluation of radiocolloid sizing techniques. 352136
Maier, H.J.
Preparation of isotopically enriched mercury targets. (LA – 6850-C) 370742
Maier, K.
Formation and migration energies of monovacancies in tantalum. 351776
Self-diffusion in copper at 'low' temperatures. 371640
Self-diffusion in silicon between 1320 K and 1660 K. 370194
Maier, M.R.
Energy levels in $_{65}{}^{149}Tb_{84}$ populated in the (α,6n) reaction. (ZfK – 336) 364809
High spin states and the 17 ns isomer in the N = 84 nucleus ^{148}Gd. (ZfK – 336) 364806
High spin states in the N = 84 nucleus ^{150}Dy. (ZfK – 336) 364807
Isomers in the N = 83 nucleus ^{147}Gd. (ZfK – 336) 364795
The 3^- state in the doubly closed shell nucleus $_{64}{}^{146}Gd_{82}$. (ZfK – 336) 364794
Maier, R.S.
Transition probabilities in Nd(II) and the solar neodymium abundance. 372214
Maiershin, A.A.
Experimental results with carbide fuel rods in the BOR-60 reactor. (KFK-tr – 536) 355481
Mail, R.A.
Cost analysis of lasers for a laser isotope separation system. Final report. (UCRL – 13744-2) 365650
Mailen, J.C.
Effects of metal ion impurities on PuO_2 dissolution in nitric – hydrofluoric acid solution. 362346

Removal of iodine from reactor fuel solutions as insoluble PdI_2. 363649
Retention of gaseous isotopes. 367206
Mailfert, A.
Self-field losses of superconducting multifilamentary composites. 359920
A twenty-pole superconducting field winding. 360605
Maillard, J.
A detector for high-energy neutrino interactions. 379899
Is there a high-y anomaly in antineutrino interactions. 351222
Like-sign dimuon events produced in narrow-band neutrino and antineutrino beams. 356512
Measurement of the neutral to charged current cross section ratio in neutrino and antineutrino interactions. 361888
Observation of a neutrino event with four energetic muons. 372525
Observation of trimuon events produced in neutrino and antineutrino interactions. 356511
Study of inclusive neutral current interactions of neutrinos and antineutrinos. 369377
Maillard, J.P.
Evidence for a telluric value of the $^{12}C/^{13}C$ ratio in the atmospheres of Jupiter and Saturn. 366682
Maillie, H.D.
The use of ^{59}Fe uptake in estimating the marrow dose in normal and splenectomized rats exposed to 1000 kVp x-irradiation. 365639
Maillot, D.
Metallurgical study of the forging of a U-1.5%Mo alloy. 373147
Mailly, M.
Neutron total and elastic scattering cross sections of ^{6}Li in the energy range from 0.1 to 3.0MeV. (EUR – 5726) 359497
Mailov, G.M.
Time interval-to-digital code converter on intergrated circuits. 361076
Mailyan, Eh.S.
Study on angular characteristics and multiplicity of secondary particles in cosmic hadron interactions with nuclei at mean energy 400 GeV. 361871
Maimoni, A.
Safeguards material control at licensed processing facilities. (UCID – 17525-77-1) 358588
Mainka, E.
Determination of uranium in minerals by instrumental neutron activation analysis and spectrophotometry, two independent methods. (KFK – 2458) 354303
Mainland, G.B.
Classical solutions with both instantons and anti-instantons. 353116, 361295
Maiorino, J.R.
Milne problem in two adjacent half-spaces in neutron transport theory in two energy groups. (IEA – 476) 351248
Two-half-space Milne problem in two-group neutron transport theory. 372560
Mair, G.
Lattice location of Bi implanted in Si. (INIS-mf – 3996) 364069
The preparation of Nb-Gesub(x) films by reactive sputtering. 370033
Maire, Jacques
Pipes for the transport of highly corrosive fluids at high temperature. 355447
Seals and procedure for fabricating said seals. 355139
Mairle, G.
Spins of proton hole states from analyzing powers of (d, tau) reactions at 52 MeV. 369462
Strong effect of isospin mixing in ^{16}O. 364831
Mairson, R.C.
Fast flux test facility major component testing experience and plant construction experience. 379841
Mais, H.
Critical behaviour and nonlinear effects in uniaxial ferroelectrics. 355799
Maisey, M.N.
Statements of the M.R.C. isotope panel. 365634
Maisin, J.
Intestinal proliferation after multiple fractions of gamma irradiation. 365393
Maison, J.M.
Deeply bound hole states and isobaric analog states in ^{89}Zr. 354191
Neutron-hole strengths and isobaric analog states in ^{95}Zr. 354190
Spectroscopic study of ^{55}Co via the $^{54}Fe(tau,d)^{55}Co$ and $^{54}Fe(tau,dp(tilde))^{54}Fe$ reactions. 354186
Maisonnier, Ch.
The dense plasma focus – a high intensity neutron source. 353519
Maiti, H.S.
Reaction of zircon with sodium carbonate. 367295
Maitland, A.
Simplification of spectra by electro-optic gating of the radiant emission from laser-produced plasmas. 364265
Maitre, P.
Analysis and forecast of agricultural products exchanges between various regions with a view to evaluating food chain contamination. 370654
Maixner, U.
Vacuum leak detection on ship turbines with helium. 355619
Majali, A.B.
Progress report of the Radiation Technology and Industrial Applications Section, Isotope Group for the period ending August 1977. (BARC – 958) 373938
Majburov, V.B.
Dynamical feedback control of the current plasma column position and stability in toroidal systems. (INIS-mf – 3963) 371810
Six-channel feedback system for suppression plasma helical instabilities. (INIS-mf – 3954) 361620
Majcher, U.
EPR investigations in $NaNO_2$ monocrystals irradiated with gamma rays. 377239
Majenka, I.
Adaptation of the industrial betatron produced in Poland for medical applications (preliminary dose measurements). 367832
Dosimetric properties of radioluminescent detectors using high-temperature LiF. 368317
Majer, B.
On polarization phenomena in some nuclear reactions induced by protons in light and intermediate nuclei. 375198
Majer, J.
PMR spectroscopy of Ca(II) complexes of ethylenediamine-N,N,N',N' – tetraacetic acid. 348719
Majercik, J.
Application of multigroup difference methods. 350227
Majerfeld, I.H.
Dose effect of the uvsA^{+} gene product in duplication strains of Aspergillus nidulans. 373502
Majewska, K.
Two types of development of lens opacities in mice depending on age at the time of irradiation. 367503
Types and rate of cataract development in mice irradiated at different ages. 365383
Majewska, M.R.
Fluorescence of radiation-induced collagen aggregates. 367168
Majewski, P.
The radioimmunoassay of CEA (carcinoembryonic antigen of Gold) in plasma of colorectal carcinoma patients. 367689
Majewski, S.
Channeling of protons, pions and deuterons in the GeV region. 353418
Channelling effects for 15 GeV/c negative pions. 377798
Energy loss of 2-15 GeV/c particles in Si and Ge single crystals with a comparison to existing theory. (INIS-mf – 3996) 364005
Majima, Kazuo
A study of plasma focus. 358954
Majka, R.
Elastic scattering and diffraction dissociation in the angular range 0 to 50 mrad. (BNL – 50611) 357975
Majka, Z.
Majorana exchange terms in the potential description of the elastic alpha particle scattering. (INP – 875/PL) 372789
Majkov, V.N.
Photoproduction of π^{0} mesons on hydrogen at 320 MeV energy. 375058
Majle, Eh.Eh.
The neutron irradiation effect on intermetallic uranium-aluminium compounds at low temperatures. (KFTI – 75-35) 354617
Majle, T.
Radioactivity of building materials. 374106
Majling, L.
The ^{4}He wave function in the kinematically correct basis. 354087
Majohr, N.
Decommissioning of light-water reactor nuclear power plants. 374195
Majorov, A.N.
Automatic radiograph decoding system and technique. 349949
Transport-overcharge container for radioactive sources. (Soviet patent document 473465/A/) 379461
Majorov, N.N.
The "ARS-1" device for radiometry of samples containing alpha-radioactive isotopes. 363612
Majorov, V.N.
Calculation of magnetic dipole fields on M^{+}-meson in ferromagnets. (IAE – 2469) 368837
Majorova, E.A.
Thermodynamic properties of liquid alloys of the cadmium-sodium-tin system. 375855
Majorova, T.N.
Isopiestic investigation of solutions of tributyl phosphate (TBP) and $TBPxHNO_3$ complexes in benzene at 25 deg. 349234
Majranovskij, S.G.
Polarography of organic element compounds – derivatives of non-transition elements. 357037
Majster, A.
Taking into account of pre-equilibrium processes in the Cn, 2n), (n, pn) and (n, np) type reactions. (INIS-mf – 3897) 356669
Majstrenko, A.K.
Device for absorption X-ray analysis. (Soviet patent document 483610/A/) 354296
Majstrenko, L.G.
Anomalies in the specific heat of neodymium and praseodymium at high temperatures. 356012
Calorimetric study of an electronic transition in Smsub(1-x)Gdsub(x)S alloys. 374658
Calorimetric study of magnetic phase transitions in chromium alloys. 369997
Majstrenko, V.I.
Optical studies of magnetostatic type precession in yttrium ferrite garnet. 374710
Majstrishin, N.S.
Hydraulic resistance of tubes with artificial roughness at low Reynolds numbers. (FEI – 559) 349982

Majumdar, D.
Boiling pool analysis during transition to the transition phase of core disruptive accidents in LMFBRs. 352260
Generic PSAR for the TF coil system of tokamak fusion reactors. 377473
A theoretical investigation into the efficiency characteristics of low pressure spark chambers. 379913
Majumdar, M.
Measurement and analysis of a few 14 MeV neutron capture cross sections. 361911
Majumdar, R.
High-spin shell-model states in ^{209}Pb. 372651
Majumdar, S.
Fabrication and post-irradiation examination of a zircaloy-2 clad UO_2-1.5 wt% PuO_2 fuel pin irradiated in PWL, CIRUS. (BARC – 918) 374178
Thermal stress and creep fatigue limitations in first wall design. (CONF-771056 – 8) 377474
Majzlina, E.N.
Method for separation of iodine from natural water. (Soviet patent document 339130/A/) 375478
Mak, H.B.
The low solar neutrino flux. 354238
Search for a 0^+ level near the 8.87 MeV, 2^- level of ^{16}O. 354237
Mak, V.T.
CdS+Cu gamma radiation dosemeter with the enhanced radiation stability. 371099
Makar'in, V.K.
Testing the ($Xe+CF_2Cl_2$) mixture as working liquid for bubble chambers. (IAE – 2487) 366026
10 l bubble chamber with a 70k0 pulse magnetic field. (IAE – 2485) 352396
Makar'ina, L.A.
Measurement of mass of the phi-1019 resonance. (JINR-D – 1,2-9342) 356490
Makarchenko, V.G.
Impact strength of structural graphite. 375938
Properties of carbon-carbon composition materials of the type of syntactic foams. 378819
Makarchuk, T.L.
Investigation into stability of certain rare earth complexes with diantipyrilmethane by the metal-indicator method. 375542
Makarenko, A.I.
Estimation of radioactive contaminants in Cm^{242} and Cm^{244} isotopic fuels. 367880
Makarenko, A.M.
Borehole isotope injector. (Soviet patent document 306438/A/) 376276
Makarenko, O.D.
Electrospark machining of boronized layer. (INIS-mf – 4046) 369878
Makarenko, V.A.
Integral heating of tungsten foil by millisecond laser pulses. 359892
Peculiarities of negatively charged particles emission induced by laser radiation effect on tungsten. 349432
Makarenko, V.G.
Reaction of heat resisting steel of the Kh13Yu type with water vapor. 369826
Makarenko, V.I.
On development of heat resisting composite material matrices operating at a temperature of 1100 deg C. 357330
Makarevich, L.A.
An experimental plant for the investigation of radiolysis in liquid, gas-liquid and gaseous media. 349352
Makarevich, M.K.
Specific features of effect of electrolytic hydrogen adsorption on diffusion during chemical heat treatment. (INIS-mf – 4046) 369849
Makarevich, N.A.
Viscosity and electric conductivity of V_2O_5-KVO_3 melts. 351534
Makarie, G.
Beta spectra investigation by the YSNAPP program. (JINR-R – 6-9711) 366990
Makarious, A.S.
Measurement and calculation of secondary gamma rays resulting from exposure of Fe, Pb, and H_2O to the ARERR-1 spectrum. (ORNL/TM – 5678) 356540
Makarov, A.V.
Determination of kinetic energies of positive ions in mass spectrum of alkali metal nitrites. 369722
On formation heat of the BO_2 molecule. 354353
On origin of MBO^+ ions in mass spectra of some metaborates. 378335
Study of P-T-x phase diagram of the tin-tellurium system. 369655
Makarov, D.F.
New method for analysis of noble metals in intermediate products of nickel production. 362130
Makarov, E.F.
Starting material radiation source for Moessbauer investigations of tellurium compounds. (US patent document 4,059,769/A/) 379374
Makarov, Eh.L.
Effect of multilayer welding conditions on the resistance of Kh15N5D2T and Kh16N4B-steels to cold crack initiation. 349460
Makarov, G.N.
Electromagnetic determination of the corrosion extent in nonmagnetic metal articles. 375799
Isotope separation in high-intensity IR laser field. 362226
Isotope-selective dissociation of the OsO_4 molecule by two pulses of infrared radiation at different frequencies. 359582
Makarov, G.P.
High-voltage pulse generator for wire spark chambers. (IFVE-PEF – 75-130) 361077, 363616
Performance study of spark wire chambers in extreme regimes. 371145
Makarov, I.E.
Optical absorption spectra of solvated electrons in irradiated melts of alkali halide compound mixtures. 349365
Makarov, L.I
On use of free atom approximation during interpretation of chemical shifts of x-ray emission lines. 378336
Makarov, L.L.
Evaluation of the effective charges of atoms from combination of the x-ray K sub(α1) chemical shifts and the isomer shifts of the nuclear gamma-ray spectra. 354354
Investigation into the influence of U_{92} chemical state on the energy of X-ray emission L-transitions. 349327
Makarov, M.S.
On the equilibrium between radium B, radium C and radon in natural waters. 357516
Makarov, S.P.
Neutron detector. (Soviet patent document 468553/A/) 379914
Technique and some results of study on organic scintillators for neutron identification according to detector-current pulse shape. (IAE – 2472) 358373
Technique for neutron energy determination. (Soviet patent document 467666/A/) 379915
Makarov, V.A.
Phase composition and phase diagrams of $Mg_3(VO_4)_2$-$Sr_3(VO_4)_2$, $Mg_3(VO_4)_2$-$Ba_3(VO_4)_2$ systems. 359602
Makarov, V.M.
Technological aspects of fuel production for different power reactors. 368044
Makarov, V.N.
Rotational relaxation and transport phenomena in a diatomic gas. 348677
Makarov, V.P.
Ferromagnetic resonance in iron-chromium monocrystals. 370020
Makarov, V.S.
On the application of radioactive tracers when investigating the wells being drilled or exploited. 375993
Makarov, V.V.
On structural role of niobium in glasses of the K_2O-Al_2O_3-P_2O_5-Nb_2O_5. 378397
Makarova, G.M.
Magnetic properties and crystal structure of UCosub(5,3) alloy. 373183
Makarova, G.N.
X-ray diffraction study of precipitation of $SmCo_5$ base solid solution. 369998
Makarova, T.P.
Electromigration method in radiochemistry. 359744
Makashev, N.K.
Chapman – Enskog generalized method. 366412
Makdisi, Y.
Differential cross sections for p-^{4}He elastic scattering at GeV energies. 354220
Makdisi, Y.I.
Phi meson production in pion proton interaction. 361892
phi production in π^-p collisions near threshold. 351216
Makeenko, Yu.M.
Theory of the direct four-fermion interaction. 361824
Makeev, V.V.
Observation of possible production and decay of short-living heavy neutral particles in the SKAT neutrino experiment. 353930
Makeeva, V.F.
Action of ATP on DNA injured by a prolonged irradiation. 362669
Makevnin, A.A.
Probe system for plasma diagnostics. (Soviet patent document 434298/A/) 377451
Makhani, A.S.
The measurement of radon and thoron by solid state nuclear track detectors. 371109
Makhankov, V.G.
Dynamics of classical solitons (in non-integrable systems). 376925
Dynamics of the collisions of two space dimensional pulsons in phi^4 field theory. 355729
Study of the longitudinal instability of the relativistic electron rings. (JINR-R – 9-9245) 355186
Makhijani, S.D.
Thermodynamic functions and stability constants of some rare earths with phloroglucinol. 367099
Makhinya, L.N.
Study on the evolution of a switching process during delay time. 348803
Makhlis, F.A.
Radiation lacing of rubbers in the presence of polyfunctional unsaturated compounds. 362270
Radiation-vulcanized rubber mixture. (Soviet patent document 461934/A/) 378529
Thermal and thermal-oxidative stability of radiation vulcanizates of ethylene-propylene rubber. 362269
Makhlis, L.A.
Mobility of chemisorbed molecules and surface regeneration of active centers during dehydration of isopropanol on aluminium oxide and aluminosilicate. 354355
Makhmudov, B.M.
Calculation of particle flux density spectrum in extensive air showers. 362610

Samarkand complex facility for study on extensive air showers at the energy > $2x10^{14}$ eV. 363581
Study on spatial distribution of muons in extensive air showers of different age. 362605
Makhnenko, L.A.
Channels for vacuum ultraviolet radiation extraction from the N-100 storage ring. 370747
Makhnev, I.F.
Using cold deformation methods in flow-production of steel high precision shaped sections. 349425
Makhnij, P.V.
Tunneling and avalanche processes in CdTe electroluminescent diodes. 348804
Makhon'ko, K.P.
Surface beta-activity of soil vegetative cover induced by nuclear explosion products and its dependence on the vertical migration of isotopes. 375998
Makhrov, V.V.
Experimental study of cesium vapor thermal conductivity. 373279
Maki, A.
An electrostatic separator with built-in high-voltage generators. 379998
Maki, Hideo
Method of starting up and operating a reactor. 360856
Maki, Koichi
Fuel rod for nuclear reactor. 368237
Maki, L.M.
Design of the FFTF fuel storage facility (FSF). 352792
Maki, Naoki
Practical superconducting generators. 355128
Maki, Yasuro
Experimental study on intermediate level radioactive waste processing. 350396
Maki, Yasuyuki
Determination of Na, Mn and Cu in cocoon, raw silk and degummed silk by nondestructive activation analysis. 349176
Makiej, B.
Dependence of the Ginzburg-Landau parameter K on the thickness of thin cylindrical superconducting indium films near ultralow temperature. 364440
Makin, J.E.
The design of Hinkley 'B' and Hunterston 'B' Advanced Gas Cooled Reactor Stations. 352693
Makin, M.J.
The determination of the displacement energy in type 316 austenitic steel. 357423
Makino, Bunmei
The precise measurement of nebula by utilizing the lunar occultation. 377608
Spectroscopic observation of cosmic soft x-ray. 353682
Makino, Fuminobu
Balloon observations on the lunar occultation of the hard x-ray source in the Crab Nebula. 348993
Makino, Kakuji
Method of measuring the reactivity of reactor fuel. 368047
Makino, M.
Design and performance of an 8 cm thick intrinsic germanium detector telescope. 363559
Makino, T.
Half-life of ^{92}Nb. 349145
Makino, Tadao
On the zenith angle dependence of the infrared oxygen emission of 1.27 μm airglow observed from high altitude. 349682
Makino, Yukio
Fundamental considerations on plasma sprayed ceramic coating, (1). 360015
Makishima, K.
Current density profile of noncircular tokamak. (INIS-mf – 3963) 372062
Makletsov, A.N.
Attenuation of ultrasound in doped crystals of alumo-yttrium garnet and alumo-magnesium spinel. 355932
Maklin, R.L.
Resonant neutron capture in ^{45}Sc below 100 KeV. 372778
Maklyaev, E.F.
Scintillation coordinate-sensitive detector with a high time resolution. 358348
Makogon, V.F.
Electroreduction of metal ions in the KCl-LiCl melt in the presence of oxygen ions. (INIS-mf – 4189) 375563
Makoski, B.
The afterloading system of Essen for the intracavitary radiotherapy. 354919
Makov, N.V.
Production of directional fluxes of slow positrons using an elliptical electrostatic reflector. (INIS-mf – 3915) 350349
Makov, V.V.
Choice of the dimensions of a piezoelectic transducer under ultrasonic testing of austenite welded joints. 373142
Selection of frequency and angle of incidence of ultrasonic beam in the testing of austenite welded joints of certain pearlite steels. 373141
Makoveev, V.K.
Automatic drive for the MIKh-2 magnetometer for measurements of pulse magnetic fields in the UTI adgesator. (JINR – 9-9586) 374377
Makovetskij, Yu.V.
New on the ^{182}Ta decay. 378020
Makovich, A.A.
Problems of metrological research automation in the field of ionizing radiations. 376720
Makovskaya, G.V.
Representation of conditions for precipitation of metals as their basic salts and hydroxides by means of pH-isolines. 359697
Makovskij, Yu.E.
Gas proportional scintillation counters. 350314
Makowiecki, D.
Search for the metastable 2s state in muonic hydrogen. 361331
Makowski, J.
Automatic method of radiometric measurement of flow intensity. 365309
Makowski, M.A.
Electron energy distributions in uranium – helium mixtures. M.S. thesis. (N – 77-25933) 368970
Makra, S.
Neutron dose evaluation using calculated neutron spectra. 364609
Maksimenko, A.S.
Switch pulse shaper for a scintillation spectrometer circuit. 358385
Maksimenko, E.A.
Deformation dependence of polygonization and recrystallization in rolled molybdenum single crystal. 369985
Maksimenko, V.M.
Simulation of nuclear cascades in atmosphere. 361692
Maksimenko, V.V.
Surface plasma oscillations in layer metal particles. 353461
Maksimov, D.E.
Use of discharge in hollow cathode during spectral determination of some impurities in graphite powder. 375328
Maksimov, E.G.
Hydrogen in metals. 348820
Maksimov, E.V.
Investigation of spin memory effects in CaF_2 and SrF_2 crystals activated by europium. (INIS-mf – 3955) 377204
Optical orientation and circular polarization of Eu^{2+} luminescence in CaF_2 and SrF_2 crystals. 371617
Maksimov, G.M.
Macropossibilities of the SOSV special operational system. (IFVE-OMVT – 76-9) 350452
Maksimov, I.I.
Study of structure and morphology of the hardening phase in the Nb-Zr-C alloy under long-term action of high temperature and stresses in vacuum. 378655
Maksimov, I.P.
Further search for muonic pairs in the neutrino and antineutrino beams at the IHEP 70 GeV accelerator. 353927
Observation of muon pairs in neutrino interactions at Serpukhov 70 GeV accelerator. 361870
Maksimov, L.A.
Gas diffusion and its dependence on nuclear spin. 368722
Maksimov, L.V.
Segregation of the Yb^{3+} ions and structure of glasses of Na_2O-GeO_2-Yb_2O_3 system. 359580
Maksimov, M.
Study of large-size molybdenum monocrystal structure prepared by electron beam droplet melting. 349436
Maksimov, S.K.
Peculiarities in formation of dislocation loops in silicon following ion implantation of boron and phosphorus and subsequent annealing. 367336
Maksimov, S.P.
A new highly efficient adsorbent for ultrahigh vacuum cryopumps. (KFTI – 76-21) 357393
Maksimov, V.A.
Connection pipe of a reactor charging machine. (Soviet patent document 392792/A/) 350129
Mobile biological shielding. (Soviet patent document 401250/A/) 379542
Maksimov, V.I.
Effect of radiation on the tertiary structure of proteins. 349705
Maksimov, Yu.M.
Modified quantum dynamics. 358671
The quantum theory of gravitation and dynamics of non-relativistic quantum systems. 358670
Maksimova, A.M.
Installation complexes for sampling and measuring tritium in environment. 375267
Maksimova, I.N.
Study of hydrolysis of chromate, molybdate and tungstate of sodium in aqueous solutions at 15-90 deg. 369669
Maksimova, O.G.
Reflectance spectra of crystals of the ZnTe-CsTe system. 365238
Maksimova, S.I.
Preliminary data on $CsTb(PO_3)_4$ crystal structure. 369685
Maksimovic, Z.B.
Proton magnetic resonance study of trialkyl phosphate-water mixtures. 359676
Maksimovich, G.G.
Cooling and corrosion effect of working conditions on steel Kh18N10T cyclic strength with various grain sizes. 349372
Effect of preliminary loading on the strength of the EhLN-1 alloy. 375856
Effect of prestrain on time and temperature dependence of the Kh18N10T steel strength. 365166
Multispecimen test machine for fast evaluation of steam turbine condenser tubes performance. 375732
Maksimovich, Kh.K.
EPR and electrofield effects in NaCl:Eu^{2+} and NaCl:Mn^{2+} single crystals. 348819
Maksimovskaya, R.I.
Investigation of iron-bismuth-molybdenum catalysts. 378428

Study of products of reduction of phosphomolybdic heteropoly acid by the method of EPR in aqueous solutions. 375508
Maksimyuk, P.A.
Advanced method for determining the activation energy of relaxation processes in a solid body. 373232
Maksyukov, N.I.
Equation of state for a superdense matter. 349111
To the problem of superdense matter. 353686
Maksyutenko, B.P.
Delayed neutron spectrometer characteristics. (FEI – 683) 350315
He^3 spectrometer with high resolution. (FEI – 555) 358392
Maksyutin, Yu.K.
Charge transfer in complexes of donor-acceptor type. 349278
Makuchowski, E.J.
Comparison of the line-reversed channels p-barp → $\pi^-\pi^+$ and π^+p → $p\pi^+$ at 6 GeV/c. 351232
Measurement of the line-reversed reactions p-barp → π^-rho$^-$ and π^-p → prho$^-$ at 6 GeV/c. 369376
Makulov, N.A.
Optimization of conditions for spectral analysis of solution dry residues in magnetically stabilized arc discharge. 372840
Makuuchi, Keizo
Radiation-induced crosslinking of poly(vinylidene fluoride). (JAERI-M – 7142) 378530
Mal'kov, A.V.
Recrystallization diagram of the VT30 alloy with different hydrogen content. 375847
Mal'shukov, A.G.
The influence of the s-d(f) Coulomb interaction on the transition element compound superconductive critical temperature. 369252
Mal'tsev, A.A.
Optical system for detection of a synchrotron radiation in the infrared range. (JINR – 13-9663) 368344
Mal'tsev, G.A.
Ultrasonic effect on tempering kinetics in chromium and manganese steels. (INIS-mf – 3914) 349430
Mal'tsev, M.V.
Investigation of hardened titanium (al'fa + beta)-alloys deformability. 351777
Mal'tsev, N.A.
Interaction of complex chlorides formating during raw material chlorination and salt refining of rare metal chlorides. 357029
Thermal and tensimetric study of some fields into $NbOCl_3$-$TaCl_5$;$NaAlCl_4$-NaCl system. 357038
Mal'tsev, V.F.
Determining aluminium microquantities in alloyed steels. 356961
Mal'tsev, V.T.
Electric conductivity of sintered glasses based on systems of oxides of lead, germanium and transition metals of group 6. 369670
Mal'tseva, A.P.
Features of radiation chemical processes in ethylene-styrene copolymers. 354438
Infrared and ultraviolet spectroscopic studies of low-temperature radiolysis of ethylene – styrene copolymers. 369795
Investigation of free-radical processes in low temperature radiolysis of copolymers of ethylene with styrene. 357164
On mechanism of protective action of styrene links in gamma-irradiated copolymers of ethylene with styrene. 349356
Mal'tseva, I.A.
Edge emission from $CdGeP_2$ crystals. 348822
Polarization of luminescence of $CdGeP_2$ crystals. 371674
Radiative recombination in $CdGeP_2$:In crystals. 348821
Mal'tseva, L.F.
Investigation into processes of interaction of calcium carbonate and calcium metavanadate with vanadium oxides. 378433
Mal'tseva, N.N.
Potassium borohydride interaction with molybdenum(5)chloride at heating. 362145
Synthesis and properties of borohydridozincates of the second group metals. 375479
Mal'yan, V.M.
Ground and excited states of positronium negative ion and some positron ions. (INIS-mf – 3915) 348638
Malafeev, M.P.
Semiconductor detectors for measuring alpha-radioactivity of liquids. 350295
Malaguti, F.
The systematics of the $1f_{7/2}$ neutron single-particle energies. 356625
Malaise, E.P.
Measurement of RBE, OER, and recovery of potentially lethal damage of a 645 MeV helium ion beam using EMT6 cells. 365351
Malakha, I.N.
Extraction-photometric method of rhenium determination as sulfite complexes. 356972
Malakhov, A.I.
Investigation of a 90-channel Pb glass Cherenkov hodoscope. 358336
A study of the spectrometric characteristics of the 49B type photomultipliers. 376605
Tuning of a magnetostriction spark chamber system of the "Photon" device by means of a beta source. (JINR – 13-10321) 379856
Malakhov, N.P.
Injectors for large thermonuclear devices. (INIS-mf – 3954) 361624
Malakhov, V.V.
On the possibility of ruthenium determination by inverse voltametry method. 359706
Malakhov, Yu.I.
Use of mathematical programming methods for interval estimates of nuclear radiations. 371308
Malakhova, A.A.
Extraction of cadmium as its complex with iodide ions and quinoline dyes. 378129
Malakhova, T.I.
Way of obtaining a preparation containing technetium-99m. (Soviet patent document 434945/A/) 362815
Malang, S.
Heat transfer analysis of experiments simulating a loss-of-coolant accident. 376520
Influence of the size and shape of cooling channel blockages on the emergency core cooling in the reflood phase of a LOCA. (KFK – 2435) 357796
Reflood experiments with bundles of ballooned rods. 376515
Malanify, J.J.
Fast neutron capture cross sections of ^{169}Tm, ^{191}Ir, ^{193}Ir, and ^{175}Lu for 3 less than or equal to E/sub n/ less than or equal to 2000 keV. (LA – 7024-MS) 378032
Malarbet, J.-L.
Study of erythrocyte recovery by means of cellular spectra and reticulocytes remodeling after whole-body irradiation. 354781
Malarbet, J.L.
Long term evolution of the immune response in the rat irradiated at mean and high doses. 354782
Malashenko, I.S.
Plastic deformation effect on the structure and fracture character of molybdenum. 378749
Malauschek, H.
Experimental investigations of the meltdown phase of UO_2-Zircaloy fuel rods under conditions of failure of emergency core cooling. (KFK – 2435) 357776
Malaviya, B.K.
Integration of nuclear reactor safety in instructional programs at RPI. 379278
Malaya, R.V.
On the role of adsorbed metals with organic and inorganic ligands in electrode reactions. 357074
Malbequi, Y.
A detector for high-energy neutrino interactions. 379899
Malbrough, D.
Inelastic scattering of π^+ Mesons from nuclei at 50 MeV. 369493
Malcher
'Earthquake studies' on the Kahl superheated-steam reactor (HDR) (EV 4,000). 368104
Malchi, S.
Personnel monitoring in Israel during 1975. 355037
Personnel monitoring of external radiation in Israel during 1976. (INIS-mf – 4052) 367827
Malcolme-Lawes, D.J.
Energy loss from hot tritium atoms in HF. 351611
Maldague, R.
Financing aspects of the investments for the construction of a nuclear power program. (INIS-mf – 3901) 355663
Maldonado, F.
Composite postshot fracture map of Pahute Mesa, Nevada Test Site, June 1973 – March 1976. Special studies-95. (USGS – 474-243) 360150
Results from fault-monitoring stations on Pahute Mesa, Nevada Test Site, from July 1973 through December 1976. (USGS – 474-242) 352261
Maldy, J.
Effect of the nature and structure of the matrix on losses in high current Nb-Ti multifilamentary composites. 359916
Malecki, A.
EPR study of phase transformations in STHSe:Cr^{3+} crystals of different deuterium concentration. 377240
Malecki, P.
High multiplicity π^-d interactions at 21 GeV/c. 356503
Isospin analysis of the diffraction dissociation processes in K^+p interactions at 5 and 8.2 GeV/c. 356506
Production of π^0 mesons in K^+p interactions at 8.2 GeV/c. 353936
Strange particle production in three- and four-body final states of 16 GeV/c π^+p reactions. 353944
Malek, Z.
On the mechanism of zirconium sulfate extraction with amines. 349258
Porous heat exchangers for continuous flow helium cryostats. 349977
Malenkov, I.G.
Gas-hydrodynamic aspects of heat transfer during liquid boiling. 370711
Malesa, J.
Application of scintiscans data analyser AS-10 for estimation of perfusion distribution in lungs. 368328
Malesani, G.
Characteristics of spontaneously generated RFP in Eta-Beta. (INIS-mf – 3963) 353532
Malet, J.C.
Sodium fire studies in France safety tests and applications on an LMFBR. (CONF-761001 – P4) 362922
Maletta, H.
Magnetic properties of superconducting tin-europium-molybdenum sulfides. 351733
Onset of collective magnetic behaviour in insulating, semiconducting and metallic Eu-compounds. 361458
Malevich, I.A.
System of dynamic elements of analog memory. 376701

Malewicki, R.L.
Chemical Engineering Division fast-neutron dosimetry annual report, July 1975 – June 1976. (ANL – 76-104) 361556
Malfliet, W.
Quasi-linear equations for the two-mode model. (INIS-mf – 3963) 371937
Malherbe, J.
Possibility of adapting high-temperature reactors with steam turbines to European conditions. 379670
Malherbe, Jean
High temperature nuclear reactors. 355415
Malhotra, P.K.
Inclusive yields and transverse spectra of non-strange mesons. 353853
A study of direct and indirect pion production in π^+p interactions at 16 GeV/c. 377804
Malhotra, S.
Electrical design aspects for nuclear power plants. 352502
Malhotra, V.M.
Electron paramagnetic resonance of Gd^{3+} in single crystals of some lanthanide trichloride hexahydrates. 351524
EPR of Gd^{3+} in $HoCl_3.6H_2O$ single crystal. 366438
Malichenko, B.F.
Alkylation of p-xylene by 1,4-diiodoperfluorobutane. 351525
Radiation-vulcanized rubber mixture. (Soviet patent document 461934/A/) 378529
Malik, A.I.
Formation of p-n junctions at the surface and in the volume of Pbsub(0.82)Snsub(0.18)Te monocrystals. 358883
Malik, A.R.
Manpower training for nuclear power programs in developing countries. 352895
Malik, D.J.
Method of averaging wavefunction corrections. Inelastic results. 350650
Malik, F.B.
On electromagnetic moments and transition rates in light and medium-light nuclei in the coriolis coupling and extreme coriolis coupling model. 364696
Malik, J.
Nuclear energy in metallurgy. 350239
Malik, N.P.
On the geometry of null congruences in general relativity. 366242
Malik, R.
Nuclear instrumentation in automation of ceramic raw materials processing. (INIS-mf – 4015) 373955
Malik, S.K.
Effect of cubic crystal field on the magnetic anisotropy in $HoAl_2$. 362450
Effect of magnetic anisotropy on the heat capacity of $HoAl_2$. 378720
Hydrogen absorption and its effect on structure and magnetic behavior of $GdNi_2$. 353464, 357302
Low temperature NMR Knight shift studies in $SmSn_3$. 378678
Spin-polarized energy-band structure of YCo_5, $SmCo_5$, and $GdCo_5$. 359956
Malik, W.U.
Potentiometric determination of thermodynamic parameters for the complex formation of Arsenazo I and Spadns with yttrium(III), zirconium(IV) and cerium(IV). 367100
Malikh, N.I.
Dynamical stabilization of MHD current instabilities in a toroidal system with resonant excitation of helical HF waves in a plasma. (INIS-mf – 3963) 371809
Malikov, M.M.
Optimization of the thermal scheme of a power plant with a non-equilibrium MHD generator and a "Tokamak" type reactor. (INIS-mf – 3954) 361756
Malikoyan, S.A.
On the autoimmunizing action of X-radiation and the antibiotic. 379044
Malina, R.
Spectrophotometry of the unusual optical candidate for 3U 1728-24 (=GX 2 + 5 = GX 1 + 4). (CONF-7510169 –) 364303
Malinauskas, A.P.
Cesium release and transport in Biso-coated fuel particles. 365935
Distribution of cesium and other fission products in Peach Bottom HTGR fuel elements. 352707
Fission product behavior in the Peach Bottom HTGR. (CONF-770929 – 6) 368177
Study of radionuclides in the Peach Bottom HTGR primary circuit. 352677
Surface area-burnoff correlation for the steam – graphite reaction. (LA-UR – 77-1956) 368236
Malinina, R.D.
Determination of bismuth and lead in ferroniobium by the method of inversion voltammetry. 372910
Malinko, L.A.
Acid properties of zirconium and hafnium mandelates. 351512
Malinkovich, A.N.
X-ray diffraction analysis of some Mg- and Li-containing ternary alloy systems. 349492
Malinochka, Ya.N.
Sulfide phase in the Fe-Ti-S and Fe-C-Ti-S alloys. 378679
Malinovskij, G.B.
Using scintillation gamma spectrometry in photoactivation analysis. 376027
Malinowska, A.
Proton magnetic resonance contact shifts in glycol complexes with Co(2). 364070
Malinowski, M.E.
Isotope effect in the pumping of hydrogen by titanium thin films. (SAND – 77-8669) 364224
Malinowski, W.
EPR of non-axial Cr^{3+} complexes in $LaAlO_3$ monocrystal. 377241
Malir, A.
A study of radiation dose fractionation in mammary gland tumour therapy. 379065
Malisan, M.R.
Automatical analysis of gamma-ray and charged-particle complex spectra from solid state detectors. 380146
Maliska, C.
Determination of glomerular filtration in dogs through ^{113}sup(m)In-DTPA. 352115
Maliszewski, R.M.
Nuclear energy centers: an assessment of their impact on reliability of electric bulk power supply. 370865
Malitte, H.J.
Measurement of spectra and angular distributions of scattered X-radiation and their significance for radiographic inspection methods. 358031
Maliy, V.
Calculation of caesium and strontium release from the AVR reactor and comparison with the VAMPYR measurements for the operating period from 1968 to 1975. 370995
Malkarov, Zh.Sh.
Density, molar volumes and electric conductivity of molten molybdates and tungstates of alkali metals. (INIS-mf – 4193) 375574
Malkens, H.
Search for strangeness changing neutral currents induced by neutrinos in GARGAMELLE. 361875
Malkhasyan, R.T.
Effect of an excitation on the cross-section of the $H_3^+ + Ar \rightarrow ArH^+ + (H_2)$ secondary ion-molecule reaction. (INIS-mf – 3915) 348741
Malkin, B.Z.
Crystal field on rare earth ions in garnet crystals. (INIS-mf – 3955) 362163
Optical spectra of Tb^{3+} ions and crystal field on rare earth ions in crystals with the YF_3 structure. 374688
Stark structure of Tb^{3+} ion spectrum in crystals with YF_3 structure, crystal field and magnetic ordering in TbF_3 crystal. (INIS-mf – 3955) 377169
Theory of line Stark effect and epr spectra of tetragonal Ce^{3+} centers in CaF_2 in electric field. (INIS-mf – 3955) 363946
Malkin, I.A.
Invariants and radiation of some nonstationary systems. 363791
Malkin, V.M.
Stationary spectra of high frequency oscillations of a plasma in a magnetic field. 377360
Malkina, R.M.
Sodium-22 accumulation and removal as a criterion of the cell membrane state after irradiation with gamma rays. 376100
Malkina, T.G.
Formazanes as analytical reagents. 378150
Malko, J.
Ratio of neutral-current to charged-current cross sections for inclusive neutrino interactions in hydrogen. 351220
Malkov, V.V.
Neutron irradiation effects on the microhardness and electrical resistance changes in molybdenum and TSM-6 alloy. (NIIAR-P – 10(276)) 351904
Mallard, J.R.
Clinical evaluation of radioisotope axial tomography of the brain. (INIS-mf – 4010) 357678
Dosimetric response of some biochemicals used as lyoluminescent dosimeters. 371094
Lyoluminescence dosimetry with sensitizers. 371095
Measurement of the performance of the gamma camera oscilloscope display. 361055
Mallavarpu, R.
Investigation of possible lower hybrid emission from the NASA Lewis Bumby Torus plasma. (N – 77-27921) 377475
Mallek, H.
Incineration of low-activity materials according to the Juelich combustion process. 371192
The treatment and processing of contaminated filters. 361106
Mallet, R.L.
Generalized Gordon decomposition and the tidal interaction. 358672
Malley, M.M.
Energy transfer and photooxidation kinetics in reaction centers on the picosecond time scale. 367458
Mallik, S.
Overlap function and Regge cut in a self-consistent multi-Regge model. 364469
Mallon, C.E.
Effects of radiation on the low-temperature carrier recombination lifetimes in HgCdTe. 370179
Mallory, K.B.
Applications of microprocessors in upgrading of accelerator controls. 363295
Two microcomputer-controller applications at SLAC. 363351
Mallory, M.L.
Quick change axial cold cathode ion source. 363296
Mallov, S.
Myocardial uptake of /sup 99m/Tc skeletal agents in the rat after experimental induction of microscopic foci of injury. 373673

Mallow, J.V.
Unrestricted Dirac-Fock theory: relativistic determination of core polarization hyperfine interactions. 366403
Malloy, D.J.
Neutronic coupling of feedback effects. (CONF-761001 – P2) 365574
Malm, B.
The split-pole isochronous cyclotron SPC-120. 352422
Malmberg, J.H.
Wave-induced transport in the pure electron plasma. 366524
Malmberg, T.
Reactor safety, instrumentation and environmental effects. (KFK – 1277/2) 370622
Malmqvist, K.
Determination of heavy metals and fluorine in airborne particulate matter in an indoor environment by simultaneous use of PIXE and γ-ray detection. 369560
Particle-induced X-ray emission: a useful analytical method. 369550
Malmros, M.H.
NRC inspection of initial plant testing: the program and recent experience. 358575
Malnes, D.
NORHAV – a Nordic reactor safety evaluation project. 370597
Malofeev, V.M.
On the applicability of hollow-cone model to pulsars. 374920
On the physical conditions in NGC 2359. 374932
Malofeeva, A.N.
Electrochemical machining of the VKh6 alloy. 362355
Malone, J.F.
An improved uptake probe designed for a large crystal rectilinear scanner. 376616
Kinetic study of [^{131}I] iodide and [/sup 99m/Tc] pertechnetate in thyroid carcinoma to explain a scan discrepancy: case report. 352117
Protective effect of high concentrations of vitamin C on the radiation response of Chinese hamster ovary cells. 354787
Malone, R.
Waste management and proliferation: an assessment of technologies and policies relevant to nuclear power. Final report, June 1975 – March 1977. (BNL – 50694) 366069
Malone, R.C.
Fast liner proposal. (LA – 6707-P) 361625
Material end plugging of straight theta pinches. 350895
Malone, S.D.
Preliminary analysis of microacoustic signals associated with rock fracture. 373395
Malone, T.
Transport and transfer rates in the waters of the continental shelf. Annual report. (COO – 2185-19) 372838
Malos, J.
Measurement of differential cross sections for elastic K$^+$p scattering in the momentum range 0.7 to 1.9 GeV/c. 372511
Malov, I.F.
On the applicability of hollow-cone model to pulsars. 374920
On the physical conditions in NGC 2359. 374932
On the physical conditions in NGC 6888 and S 308 nebulae. 377630
Malov, L.A.
Nonrotational states of odd-mass nuclei in the $225 <= A <= 233$ region. (JINR-R – 4-8582) 359408
Malov, Yu.A.
Measurement of an average momentum and composition of secondary particle beams from accelerators. 363281
Malov, Yu.I.
Electron affinity for alloys of the cadmium-zinc-antimony system. 378682
NMR investigation of amine complexes of aluminium borohydride. 359586
Nuclear quadrupole resonance spectra of antimony-cadmium-zinc alloys. 378681
Work function of electron in the copper-antimony, copper-indium and copper-cadmium binary alloy systems. 378680
Malovichko, Yu.V.
Simple time expander. 376721
Malovitskij, A.Yu.
Optimization of an intensive beam passing through the critical energy in a proton synchrotron. 357955
Malow, G.
Fission products in glasses. Pt. 2. (HMI-B – 218) 367287
Fixation of fission products in glass ceramics. 358478
Maloyan, A.G.
Positron annihilation in α-$LiIO_3$. 374798
Spectrometer for the investigation of electron momentum distribution in solids by means of the positron annihilation method. 366405
Malpas, J.S.
Outlook following 'somnolence syndrome' after prophylactic cranial irradiation. 379075
Malska-Waniewska, I.
Comparative studies of early radiation-induced pulmonary changes following X-ray therapy and telegammatherapy with Co-60 of mediastinol tumours. 357598
Malta, C.P.
A three-nucleon force and A = 18 shell-model spectra. 375104
Maltby, P.
On the difference in darkness between sunspots. 372215
Maltese, M.D.K.
Diversion path analysis handbook. Volume I. Methodology. (TID – 22793/1) 374499
Diversion path analysis handbook. Volume II. Example. (TID – 22793/2) 374495
Maltman, K.
The atomic bound state of two pions and the ππ scattering lengths. 356447
Maltseva, S.
Effect of moisture content of tomato seeds on the stimulatory action of low doses of γ-rays (Co^{60}). 360249
Malukhin, V.V
Radiometric determination of titanium vessel wall corrosion. 351667
Malumyan, V.G.
A search of the variability of the QSOsub(s) 3C 273 and 3C 279 at 408 MHz. 374933
Malvern, A.R.
Model potential calculations for alkalis scattered by inert gases. 353304, 377074
Malvezzi, A.M.
Line broadening and self-absorption of Be IV in a laser-produced plasma. 364257
Maly, J.
On the existence of natural spontaneously-fissioning superheavy elements. 359745
Maly, L.
Nuclear states excited in the (^{3}He,xn) reactions. 354268
Maly, V.
Natural convection in the AVR reactor – recalculation of a test on blower failure. 370983
Malyarenko, G.M.
Radioactivation method for determination of small amounts of carbon in fluorophosphate glasses. 378093
Malyarov, V.K.
Differential cross section mesurement of elastically scattered 8,0 and 9,0 MeV protons by some isobars and isotopes of mean atomic weight. (KFTI – 75-15) 362108
Malyarov, V.V.
Singlet even nucleon-nucleon potentials obtained by algebraic method of inverse scattering problem. 375126
Malyarzh, E.M.
Diffraction approximation for taking into account nucleons and recoil nuclei interaction in the ^{12}C(e,e'N) reaction. 375141
Malygin, A.A.
Study of products of chemisorption of $VOCl_3$ and CrO_2Cl_2 on titanium-containing silica gel. 359636
Malygin, A.F.
Thermal stability of heat resisting alloys used for the production of hydrolic-turbine blades. 349466
Malygin, A.V.
Nanosecond electron accelerator. 370776
Malygin, G.A.
Heating of dislocation sources under low temperature deformation of crystals. 375857
Malygin, V.B.
Model of radiation creep of ceramic materials fuel. 378806
Malykh, A.T.
Specific features of effect of electrolytic hydrogen adsorption on diffusion during chemical heat treatment. (INIS-mf – 4046) 369849
Malykhin, A.P.
Effect of annealing temperature and time on the efficiency of fission fragments detection by artificial mica. 361045
Malyshenko, S.P.
On a mechanism of non-volatile impurity transfer while boiling on surfaces covered by a porous structure. 373999
Malyshenkov, A.V.
Electron emission out of metals under the effect of gamma quanta of 30 to 90 keV range. 349587
Malyshev, I.F.
Design of a vacuum chamber for the T-10M facility. (INIS-mf – 3954) 361554
High-current accelerators for thermonuclear researches. (INIS-mf – 3954) 363239
Induction storage with current electromagnetic multiplication. (INIS-mf – 3954) 361563
Results of the "Tokamak-10" start-up and operation. (INIS-mf – 3954) 361570
Vacuum chamber. (Soviet patent document 437255/A/) 355197
Malyshev, K.A.
Effect of austenite stability on mechanical properties of alloys strengthened by thermo-mechanical treatment and aging. 373280
Surface hardening of austenite steels. 378719
Malyshev, K.V.
Method for ion exchange extraction of gallium-68 from solutions. (Soviet patent document 416977/A/) 357103
Malyshev, M.L.
Dissociation of polonium iodides and vapour pressure in polonium-iodine system. 378457
Malyshev, V.A.
Theory of antistokes sensitized luminescence. 361452
Malyshev, V.I.
Results of checking the hypothesis of a possible $^{235}U/^{238}U$ displacement in the nature. 351936
Malyshev, V.P.
On use of the red mud to improve the technology of roasting of vanadium slags with soda. 372988
Malyshkin, V.G.
Low-energy ππ-scattering and the pion electromagnetic formfactor. (JINR-R – 2-8568) 353866
Malyshkov, Yu.P.
Oxygen effect of radiation-induced change of electrophysical properties of proton-irradiated polyethylene. 375951
Temperature fields in charged-particle-irradiated polymers. 375952

Malysowa, E.
Radioactive contamination of some arable soils in the Lower Silesia in 1972. 354651
Malyusova, T.V.
Study of trimerization of acetylene in benzene. Catalytic activity of niobium and its oxides. 378338
Malyuta, D.D.
Experimental facility with an isothermal plasma pulse generator for investigations of MHD flow. 372316
Malyuta, Yu.M.
Infinite-dimensional representations of supersymmetries. (KIYI – 76-9) 374575
Malyutin, A.A.
Study of the acceleration of thin metal foils acted on by high-power laser emission. (IAEA – 200) 353518
Malyutin, A.I.
Controllable forming of a compact toroidal structure with an impulse field barrier. (DOE-tr – 3) 369009
Malyutina, T.I.
Standard samples for dilatometry. 354490
Malyutina, T.M.
Compatibility of molten rare earth metals with refractory materials. 357259
Mamadaliev, N.
Radioactivation gold determination in natural waters with extraction-chromatographic separation. 349193
Mamadalimov, A.T.
Effect of uniaxial pressure on capacity of diodes of silicon doped with rhenium. 348810
Mamaev, S.G.
Energy and pressure for the creating matter near an isotropic cosmological singularity. 374934
Energy and pressure of fermion pairs created near the Fridman singularity. 374935
Mamaev, V.L.
Precision two-coordinate one-mirror scanning device. 358433
Mamaeva, V.N.
Spectral-kinetic investigation of cathodoluminescence of rare earth oxysulfides. (INIS-mf – 3955) 362148
Mamantov, G.
The oxide chemistry of niobium in molten LiF-BeF_2 mixtures. 357070
Recent electroanalytical studies in molten fluorides. (CONF-7608110 – 1) 357039
Mambetkaziev, E.A.
Investigation into indium(3) complexes with 2,2'-bipyridyl by potentiometry. 378409
Polarographic behaviour of the Cd^{2+}+3,3'-dipyridyl system. 378337
Mambo, Masayoshi
Analysis of the electron density in the lower and upper ionosphere from measurements of VLF propagation modes by means of K-9M-53 rocket. 354716
Mamchich, S.D.
Effect of gamma-neutron irradiation on electric conductivity and dipole-segmental relaxation of polystyrene. 354433
Mamdzhanov, F.I.
Rapid determination of sodium, gallium, bromine, chromium and antimony content in mountain crystal using neutron activation method. 375999
Mamedov, Eh.K.
Investigation of structure and local radiation centers of glass of Al_2O_3 – SiO_2 system by spectroscopic methods. 375942
Mamedov, G.M.
The determination of the thermal expansion coefficient of the solid solutions GaSesub(x)Tesub(1-x) by the x-ray diffraction technique. 349546
Electroabsorption in monocrystals of GaSesub(x)Tesub(1-x) solid solutions. 361476
Mamedov, K.P.
Investigation of In_2Se_3 by the x-ray diffraction and thermographic methods. 359924
Mamedov, Kh.S.
Crystal structure of double lithium praseodymium ortho-borate-$Li_3Pr_2(BO_3)_3$. 359578
Mamedov, M.A.
Electrostatic potential in the divertor scrape-off layer. (INIS-mf – 3963) 371807
Mamedov, M.M.
Method for extraction of tellurium from acidic solutions. (Soviet patent document 410796/A/) 356926
Mamedov, N.D.
Study on electron traps in $CdInGaS_4$ monocrystals. 371546
Mamedov, T.G.
Investigation of the nature of radiationless decay relaxation in condensed media with a high concentration of activator. 348860
Radiationless losses from sup(4)Fsub(3/2) metastable state of Nd^{3+} in lanthanum pentaphosphate crystals. (INIS-mf – 3955) 362166
Study of the effect of anomalously weak quenching of Nd^{3+} ion luminescence in Lasub(1-x) Ndsub(x) P_5O_{14} crystals. 374600
Mamedov, V.A.
Synthesis and investigation into $CuLnTe_2$ compounds. 359932
Mamedova, S.Yu.
On phase diagram of SnTe-Co. (INIS-mf – 4040) 378683
Mamelle, J.
Design, construction, operation and maintenance of reprocessing plants. Experience gained. 367191
Management of high-activity nuclear waste (fission products). (BNWL-tr – 263) 368382
Management of high-level radioactive waste (fission products). 368361
Mamidzhanyan, Eh.A.
Energy spectra of leading particles in hadron-nucleus interactions. 361664
Mamikonyan, S.V.
X-ray absorption analysis of powdered samples using automated measurement scheme. 367376
Mamina, A.V.
Commercial tests and introduction of ultrasonic methods on final processing rare metal plant. (INIS-mf – 3914) 349422
Mamko, B.P.
X-ray spectrum investigation of the copper outer energetic band structure in the zirconium-copper alloy system. 354539
Mammana, C.I.Z.
Accelerator for ion implantation in semiconductor materials. 352842
Vacuum components for ion implantation device. 352841
Mamo, L.
Interest of the sup(99m)Tc-Sn-gluconate in the detection of tumor of the posterior fossa. Comparative study with pertechnetate (56 cases). 357696
Mamonov, V.N.
To the calculation of fields excited by moving electron bunch in a coaxial cavity. (JINR-R – 9-8625) 355198
Mamont-Ciesla, K.
Environmental studies of the earth gamma radiation background at one of the planned sites of the first Polish nuclear power station. 354658
Mamontov, A.
Lattice location of ^{16}O implanted in Si crystals by backscattering. 371577
Mamontov, V.F.
Some physical studies on the BFS-1 fast critical assemblies. 360971
Mamontov, Yu.N.
Thermodynamical analysis of the zirconium nitride production process from tetrachloride. 349259
Mamontova, N.A.
Measurements of effective cross-section of inelastic interaction of high-energy protons with nuclei. 361700
Mamoshin, V.L.
On structural role of niobium in glasses of the K_2O-Al_2O_3-P_2O_5-Nb_2O_5. 378397
Mamou, A.
Oxidation of aqueous Br^- by OH radicals, studied by pulse radiolysis. 357165
Mampe, W.
A new measurement of the magnetic moment of the neutron. 361886
Mamunya, E.P.
Radioluminescence investigations with silane modified polyethylene-kaolin compounds. 353460
Mamuro, Tetsuo
The bearing of uranium series nuclides in soil. 360152
Elemental composition and size distribution of continental aerosol particles. 359564
Multielement trace analysis of high purity aluminium by neutron activation. 359566
Particle size dependence of content of uranium series nuclides in weathered granite soil. (KURRI-TR – 144) 349645
System of instrumental neutron activation analysis of the Radiation Center of Osaka Prefecture. 359565
Mamyrin, B.A.
Technique for cyclotron frequency measurement. (Soviet patent document 445901/A/) 379989
Mamyshev, Yu.A.
Biological research plant using isotopes. (Soviet patent document 196184/A/) 376182
Mamzer, A.F.
A high-power laser system for thermonuclear fusion experiments. (IAEA – 200) 353513
Man'ko, V.I.
Invariants and radiation of some nonstationary systems. 363791
Manabe, Genroku
Fabrication of a fuel assembly for an irradiation test in SGHWR. (PNCT – 831-77-01) 379725
Manaenkov, V.P.
Diffusion of carbon and chromium in iron affected by ultrasonic waves. 375858
Managoli, V.
Successive and simultaneous transfer descriptions of (p,t) reactions on ^{208}Pb. 356626
Manaila, R.
Electrical transport and thermopower in cermet-type thin films. 357354
Manaka, C.
Dose estimations for radioactif cis-dichlorodiammine platinum (195m) II. A new radiopharmaceutical. 354957
Manakos, P.
Inelastic electron scattering, radiative width and magnetization density of the 2^+, T=1 state at 16.11 MeV in ^{12}C. 372755
Study of the electric monopole transitions between the ground state and the first excited 0^+ state in $^{40\ 42\ 44\ 48}Ca$ with high resolution inelastic electron scattering. 377998
Manakov, N.A.
Magnetic aftereffect in Sm-Co and Gd-Co films. 348844
Manakov, N.L.
Three-photon ionization of helium metastable atoms. 348641
Manakov, S.V.
On pulsing solitons. 368564
Two-dimensional solitons of the Kadomtsev-Petviashvili equation and their interaction. 356137

Manassah, J.T.
Beta decay of pion condensates as a cooling mechanism for neutron star. 351051
Manasyan, G.G.
On the stability of transverse polarization of electrons in a linear accelerator. (EFI – 169(76)) 350074
Manca, J.J.
Accelerating and focusing structures for PIGMI. (LA-UR – 77-1545) 363354
Manchanda, R.K.
On the nature of the outbursts from Aql X-1. 369154
Manchester, R.N.
Galactic distribution and evolution of pulsars. 359172
Pulsar interpulses – two poles or one. 359120
Manchuk, V.A.
Anisotropy of dosage sensitivity of different semiconductor dosimeters used in ionising radiation dosimetry. 361046
Mancini, C.
Neutron radiography with Cf 252 and TV imaging techniques. 376392
Mancini, F.
Order of phase transition between the Meissner state and the mixed state. 356366
Type I-type II transition and lower critical field of non-pure superconductors. 353737
Mancini, M.
The role of nonadiabatic operators in the dynamic Jahn Tehher effect in Al_2O_3/Ti^{3+}. 363982
Mancini, N.A.
On the formvar vibrational spectrum by electron tunneling. 363972
Mancuso, J.F.
Grain boundary cavity growth under applied stress and internal pressure. (COO – 2172-18) 373233
Mancuso, T.F.
Radiation exposures of Hanford workers dying from cancer and other causes. 365640
Study of the lifetime health and mortality experience of employees of ERDA contractors. Final report No. 13, August 1, 1976 – July 31, 1977. (COO – 3428-8) 379068
Mandahl, B.
Handling waste at Swedish nuclear power plants. 368403
Mandal, N.G.
Oxopentafluoroniobates(V). 349287
Mandal, S.K.
Differential radiosensitivity on a tissue level in Vicia faba and Lens esculenta. 367475
Fractional and whole body mutation in Drosophila melanogaster : effect of mitomycin-c and X-ray. 349823
Mandal, S.S.
Studies on the reactions of oxohalomolybdates(V). 351556
Mandal, T.K.
Effect of ultra-violet radiation on the liposomal membrane. 376064
Mande, C.
L/sub III/ x-ray absorption of gadolinium in the metal, sesquioxide, monosulphide, and hexaboride. 357263
L_3 x-ray absorption discontinuity of gadolinium in the metal and in some compounds. 348776
A new scale of electronegativity on the basis of calculations of effective nuclear charges from x-ray spectroscopic data. 348705
Mandel, P.
Double isotope method for the determination of catecholamines, serotonin, and other amines in the picomole range as their dansyl derivatives. 362136
Extraction system of the Nevis Synchrocyclotron. 363209
Mandel, S.
Consequences of postulated losses of LWR spent fuel and plutonium shipping packages at sea. (PNL – 2093) 379465
Evaluation of the consequences of LWR spent fuel and plutonium shipping package loss at sea. 350022
Mandelli, L.
Evidence for a narrow width boson of mass 2.95 GeV. 372519
Inclusive anti K^{*0} (890) production in π^-p interactions at 16 GeV/c. 356507
Observation of the reactions $\pi^-p \rightarrow$ anti pd at 10 and 16 GeV/c. 372520
Production of phi and f' in 10 GeV/c K^-p interactions. 353959
The slow proton trigger for the CERN OMEGA spectrometer. 368293
Mandelzweig, V.B.
Elastic and charge exchange scattering of pions on ^3He in the (3,3)-resonance region. 354085
Radius perturbation theory and its application to pionic atoms. 369438
Manderbach, R.W.
Fuel-cycle financing, capital requirements and sources of funds. 368448
Manders, P.M.
Energy supply and demand forecasts – an overview. 361141
Mandl, A.
Quenching of N_2(A $^3\Sigma^+$/sub u/) by I_2. 366355
Mandl, F.
Inclusive yields and transverse spectra of non-strange mesons. 353853
Spin and lifetime of the Ω^- hyperon. 372517
Mandl, R.
Influence of the primary circuits on the PWR refill phase. 370937
Safety Research Program for Light Water Reactors. Technical report 2: BMFT support project RS 0036 B. Reflooding experiments with regard to primary circuits (PKL) instrumentation of experimental setup. (LA-tr – 77-39) 352291
Safety Technology Research Program in the field of pressurized water reactors. 1. Technical report on advancement project RS 36/2. Emergency cooling program service life experiments; reflooding experiments involving the primary loop systems. (LA-tr – 77-44) 352292
Mandrioli, G.
K°sub(L)p interactions in the c.m. energy range 1.54-1.71 GeV. 372508
A study of the Dalitz plot in the decay K°sub(L)$\rightarrow\pi^+\pi^-\pi^0$. 353988
Mandula, J.E.
Quark fragmentation in gauge theories. 377754
Mandzhavidze, Z.Sh.
Automatic device for film processing. 350367
Mane, R.B.
Tritium nuclear magnetic resonance spectroscopy. 354281
Manegin, Yu.V.
Broaching in askew roll mill using ultrasonic waves. (INIS-mf – 3914) 349404
Manelis, G.B.
Kinetic parameters of gas-phase reactions of alkaline earth metals with nitrogen monoxide. 375476
Manes, K.
Shiva optical diagnostics. (UCRL – 79776) 377521
Manes, K.R.
Polarization and angular dependence of 1.06-μm laser-light absorption by planar plasmas. 350896
Shiva target irradiation facility. (UCRL – 79784) 377476
Maneval, J.P.
Ballistic propagation of near-gap phonons in bulk superconducting tin. 359970
Manfrass, P.
Anisotropy and angular distribution of quasimolecular K X-radiation emitted in Ge+Ge collisions. 355871
Manfredi, P.F.
Use of a MWPC in a big magnetic spectrometer as a counter hodoscope for fast majority discrimination. 379873
Manfredi, V.R.
The spectral-distribution method in the space of M-bosons. 358635
Mangia, F.
Ultraviolet-light-induced unscheduled DNA synthesis by resting and growing mouse oocytes. 378972
Mangiagalli, D.
Plutonium utilization in fast-breeder and light-water reactors in Italy. 368216
Mangini, A.
^{231}Pa dating of deep-sea cores via ^{227}Th counting. 378869
Thorium and uranium isotope analyses of deep sea sediments. 375307
Mangus, J.D.
Coolant circulating equipment for liquid-cooled nuclear reactor. (German (F.R.) patent document 2620151/A/) 355470
Manheimer, W.M.
Cross-field injection, propagation, and energy deposition of intense ion beams with application to tokamak plasma heating. 348949
Introduction to trapped-particle instability in tokamaks. ERDA Critical Review Series. (TID – 27157) 358978
Laser-matter interaction studies at NRL. 372038
Numerical study of the dissipative trapped-electron instability in tokamaks. 371793
Mani, H.S.
Dilepton production in pp and anti pp collisions as a probe to the nature of the neutral current interaction. 372460
Mani, R.
Human serum albumin microspheres for lung imaging. 373029
Mani, R.S.
Consideration of the 'carrier-free' state of generator produced sup(113m)In and sup(115m)In. 349330
Human serum albumin microspheres for lung imaging. 373029
Mani, V.V.S.
Studies on inorganic ion-exchangers. Part I : application of polyantimonic acid for the polishing of uranium product of reprocessing stream. (BARC – 915) 375523
Maniashvili, G.B.
Instrumentation for spin-echo nuclear magnetic logging. 375962
Maniawski, F.
Spin density measurments with polarized neutrons. (INIS-mf – 4267) 377233
Manickam, A.
Effect of gamma-irradiation on nucleic acids, proteins, respiration and phosphatase activity of carrot callus cultures. 376089
Manion, W.J.
Technical and economic aspects of nuclear power plant decommissioning. 368417
Maniscalco, J.A.
Applications of laser fusion. (UCRL – 52000-77-8) 377477
Conceptual design of a laser fusion power plant. (UCRL – 79652) 377478
Manjarekar, S.P.
Combination treatment of gamma radiation and paraben in controlling spoilage of poultry meat. 376171
Manjunath, C.V.
Electron spin resonance study of copper(II) doped ferroelectric ammonium sulphate. 371641
Mankin, S.
Nuclear power programmes and medium-term projections in the OECD area. 366142
Mankoc-Borstnik, N.
Some insight in the structure of light nuclei from te study of electromagnetic properties calculated with the generator coordinate method. (ZfK – 336) 364701

Mann, A.
'Localised' perturbation theory for projected states for a two-element group. 371413
Molecular effects in charge-state distributions from dissociative collisions of 30 – 900-keV H/sub w/2/sup ts+/. 363912
Perturbation theory for projected states in the pairing force model. III. 377858
Mann, A.K.
Observation of elastic neutrino and antineutrino scattering and parity violation in the weak hadronic neutral current. 353995
Mann, A.W.
Determination of uranium in natural waters by differential-pulse polarography of a trioctylphosphine oxide extract. 367029
Mann, F.
Fast neutron cross sections of vanadium and an evaluated neutronic file. (ANL/NDM – 24) 351358
Mann, F.M.
Calculated neutron capture cross sections to the americium ground and isomeric states. 356627
HAUSER*4, a computer code to calculate nuclear cross sections. (HEDL-TME – 76-80) 372643
HEDL evaluation of actinide cross sections for ENDF/B-V. (HEDL-TME – 77-54) 372790
Trends in theoretical calculation of dosimetry and gas production cross sections for FBR's, LWR's, and MFE's. (HEDL-SA – 1269) 379533
Mann, J.B.
Electron impact excitation of carbon and oxygen ions. (LA – 6691-MS) 358780
Mann, L.G.
Coexistence of three nuclear shapes in ^{151}Eu. 359527
Gamma rays from thermal neutron capture in ^{136}Xe. 364817
Livermore pool-type reactor. (UCRL – 52000-77-6) 371067
Mann, R.
Auger decay of Li-like Ne induced by 200-MeV Xe^{31+} impact. 358836, 377124
Auger electron spectroscopy in atomic and molecular systems after excitation with high-energy heavy ions from the UNILAC accelerator. (GSI-PA – 6-77) 374628
Coulomb explosion seen from Auger lines in heavy ion bombardement of C, N and O containing molecules. 358781
Coulomb explosion seen from Auger lines in heavy ion bombardment of C, N and O containing molecules. 377075
Emission of X ray continua by bombardment of thick Si targets with protons and ^{14}N ions. (INIS-mf – 3996) 363954
Mann, R.L.
Massive hydraulic fracturing gas stimulation project. (CONF-770836 – 3) 360668
Mann, T.L.
Component design description of the neutral beam injectors for PLT. (CONF-771029 – 43) 371907
Mann, W.A.
Search for charmed particles in 14.75 GeV/c pp interactions. 375069
Mannami, M.
On the coherent electronic excitation of channelled He^+ ions. 366439
Velocity measurement of fast ions by Doppler shift of light emitted from ions passed through thin foil. 368667
Mannan, M.A.
Collaboration of multinational corporations and developing countries in the transfer of nuclear technology. 352573
Manne, A.S.
Health and economic costs of alternative energy sources. 370560
Mannelli, I.
The cross section for the production of massive electron pairs and the UPSILON(9.5 GeV) in proton-proton collisions at the CERN ISR. 369367
Measurement of $\pi^- p \rightarrow \pi^0 n$ at large momentum transfer. 372503
Observation of a meson $X \rightarrow 2\gamma$, with mass 2.85 GeV/c^2, produced in the charge-exchange reaction $\pi^- p \rightarrow Xn$ at 40 Gev/c. 377780
Study of photons produced simultaneously with the J/psi particles at the CERN Intersecting Storage Rings. 377794
Study of the reaction $K^- p \rightarrow$anti $K^0 n$ at momenta of 25 and 40 GeV/c. 356482
Mannheim, P.D.
Nonconversation of muon number in a broken SU(4) x U(1) gauge theory. 351149
Manning, A.
Uranium: a fair trial. 362977
Manning, D.L.
Recent electroanalytical studies in molten fluorides. (CONF-7608110 – 1) 357039
Manning, J.P.
Alignment system for large high-power CO_2 laser fusion systems. (LA-UR – 77-1923) 364169
Manning, N.J.
Synthesis and ammonium ion exchange of α-zirconium phosphate prepared from zirconia. 369634
Manno, I.
Possibilities for use of the Display-Focal interpretative language. (JINR – 11-9707) 350440
Mannocchi, G.
Results of the Torino search for quarks. 369362
Mannone, F.
Nuclear transmutation of actinides other than fuel as a radioactive waste management scheme. 368363
Manns, R.
Experimental determination of the average kinetic energy of sputtered atoms. 364071
Manoff, S.
Integral conservation laws for isolated systems by the method of privileged vector fields in the general theory of relativity and the external Kerr metric. 368565
Manohar, S.B.
Kinetic energy distributions in the reactor neutron fission of ^{232}U and thermal neutron fission of ^{241}Pu and ^{245}Cm. 359518
Setting up of a facility for the recovery and storage of californium-252 from a capsule. (BARC – 905) 373012
Manokhin, V.N.
Activities on nuclear data preparation for reactors and other applications. (INIS-mf – 4043) 360782
Analysis of neutron cross sections of nickel and chromium isotopes in the fast energy range. (INIS-mf – 4043) 361966
Comparative evaluation of group constants from UKNDL and the BNAB-70 system. (INIS-mf – 4043) 360759
Estimation of cross section of fast neutron radiative capture by gold-197. (INIS-mf – 4043) 362111
Manole, S.F.
Surfactant complexes of metal-organic compounds – anion type and their use in polarography. (INIS-mf – 4192) 375379
Manolov, P.
Effect of 2, 4, 5-T on photosynthesis and ^{14}C-assimilates transport. 367472
Manor, D.
A process for the bituminization of radioactive wastes. (NRCN – 413) 374401
Manor, S.
Near-term feasibility of nuclear reactors for seawater desalting. Coupling of standard condensing nuclear power stations to low-grade heat multieffect distillation plants. 371213
Manov-Yuvenskij, V.I.
Catalytic synthesis of aromatic diisocyanates by means of carbonylation of nitrocompounds with carbon monoxide. 375525
Manova, T.G.
Optimization of conditions for spectral analysis of solution dry residues in magnetically stabilized arc discharge. 372840
Manowska, J.
Studies on the protective role of vitamin C under conditions of exposure of the organism to ionizing radiation. 367587
Mansbach, L.
Simultaneous radioassay of serum vitamin B_{12} and folic acid. 362775
Mansel, W.
Interstitial atom clustering at ^{57}Co impurity atoms in aluminium after electron and neutron irradiation. 370187
Localized vacancies in palladium produced by thermal neutron capture recoil. 371574
Mansfeld, F.
Laboratory studies of galvanic corrosion. III. Effect of velocity in NaCl and substitute ocean water. 362303
Mansfield, V.
Evolution of dynamical systems with time-varying gravity. 364370
Mansfield, V.N.
Cosmologies with varying gravity. 359121
Mansford, K.R.L.
Factors influencing insulin and glucagon secretion in lean and genetically obese mice. 352153
Manson, S.S.
Treatment of low strains and long hold times in high temperature metal fatigue by strainrange partitioning. (ORNL/Sub – 3988/1) 373234
Manson, S.T.
Born-approximation calculations of the energy and angular distribution of electrons ejected by proton-impact ionization of helium. (ANL – 76-88(Pt.1)) 361376
Mansoori, G.A.
Heat removal from molten fuel pools. (CONF-761001 – P4) 362856
Mansour, H.R.
The pure rotation Raman spectra of $^3H_2$ and SO_3 and the vibration-rotation Raman spectrum of $^3H_2$. 366326
Mansour, S.A.
Carbaryl residues in maize products. 379171
Mansouri, F.
New class of superalgebras and local gauge groups in superspace. 366283
Mansouri, R.
A test theory of special relativity. 363806, 363807, 363808
Mansson, T.
The dynamics of the NH^+_4 ion in ammonium chloride in disordered states by cold neutrons scattering experiments. 371655
Mansur, L.K.
Damage correlation in theory and practice. (HEDL-SA – 1144-A) 363395
Effect of self-ion injection in simulation studies of void swelling. 373336
Study of the effect of void surface coatings on radiation-induced swelling. (ORNL/TM – 5670) 361459
Theory of swelling and irradiation creep. (CONF-770641 – 7) 350788
Mansur, P.S.
Breast neoplasms in women treated with x-rays for acute postpartum mastitis. 362708
Mansur, R.
Determination of the ratio Fe^{2+}/Fe^{3+} in Brazilian ilmenite through Moessbauer effect. 350755
Mansurova, A.N.
Effect of ion doping on the blistering in OKh16N15M3B steel. (INIS-mf – 3954) 362533

Mansvetova, E.G.
Faraday effect and physical properties of epitaxial films of bismuth-containing ferrite garnets with magnetic compensation point. 358858
Fine structure of phase diagram of $Tb_3Fe_5O_{12}$ in quasiantiferromagnetic state on magnetization along the 2-fold symmetry axis. 361455
Mantaka-Marketou, A.E.
Radiolysis of aqueous solutions of a Cu(II) complex with a macrocyclic ligand. Redox reactivity towards various short-lived radicals compared to other redox reagents. 365072
Mantei, T.D.
'Parodie', a large homogeneous stationary plasma. 359034
Mantel, J.
Production of ^{79}Kr for pulmonary ventilation and blood flow studies. 351612
Mantel, M.
Development of a new approach to trace element analysis using neutron activation followed by high resolution X-ray spectrometry. 369517
Mantese, J.
Vortex-line density fluctuations in turbulent superfluid helium. 359206
Manthorpe, S.A.
Electron induced irradiation creep and direct observation of the underlying dislocation processes involved. 360064
Manton, N.S.
The force between 't Hooft-Polyakov monopoles. 353867, 359290
Mantovani , G.C.
Study of charge-exchange double dissociation of protons at the CERN Intersecting Storage Rings. 369374
Mantovani, G.C.
The s-dependence of double diffraction dissociation of protons at the CERN Interscting Storage Rings. 369373
Mantovani, M.S.M.
Observations on multiple pion production by hadrons of cosmic radiation. (INIS-mf - 4105) 364587
Mantri, A.N.
Is it safe to use the unitary pole expansion for hard core potentials. 359421
Mantsygin, Yu.A.
Ultrafast repair of single-strand DNA breaks in γ-irradiated Chinese hamster cells. 349710
Manuccia, T.J.
Cw and improved pulsed operation of the 14- and 16-μm CO_2 lasers. 367870
CW IR laser induced chemistry, isotope separation and related laser technology. 367863
Deuterium isotope enrichment in methane-hydrogen mixtures subjected to a low-temperature glow discharge. 359650
Manujlov, N.N.
Filler wire for welding of high-tensile titanium alloys. 369864
Manujlov, V.F.
Fabrication of sheets of composite materials with brittle filament without destructing them during rolling. 357227
On determination of optimum reductions during sheet rolling of composite materials. 357237
Manujlov, V.S.
System for control of plasma filament equilibrium in the T-10M thermonuclear facility. (INIS-mf - 3954) 361641
Manukhina, T.I.
Features of anodic behaviour of electronegative metals in molten carbonates. (INIS-mf - 4189) 375534
Interaction of steel, titanium and zirconium with melted chlorides containing copper and zinc. 349510
Manukyan, G.G.
New scanning method for the visualization of X-ray topographic pictures. 352840
Manweiler, R.W.
Effects of nuclear electromagnetic pulse (EMP) on nuclear power plants. (ORNL - 5029) 357730
Many, A.
Studies of band structure, excitonic processes and trap distributions in molecular crystals. (INIS-mf - 4127) 364072
Xerographic discharge of orthorhombic sulfur single crystals. (INIS-mf - 4127) 364006
Manyakov, P.K.
Starting system for a 2-meter streamer spark chamber in a 17 GeV/sec α-particle beam. (JINR - 13-9030) 358334
Manykin, Eh.A.
Moessbauer relaxation spectra of superparamagnetic particles. 361460
Manylov, V.I.
Development and study on sections of Marx generator for power pulse systems. (INIS-mf - 3954) 361648
Manyukov, B.A.
Λ and anti Λ production in K^+p interactions at 32 GeV/c. 372512
Manz, A.
Σ^- production and decay properties in $K^-p \rightarrow \Sigma^-\pi^+$. 377807
Manz, J.
Diatomic molecules in a rare gas matrix; vibrational energy accumulation in CO isotopes imbedded in argon. 361335
Manz, P.
Transfrontier problems in connection with the site selection of power stations and energy facilities with environmental impact. 367774
Manzel, R.
Experimental power ramps in KWO and KWR-A fuel elements. 370836
The matrix swelling rate of UO_2. 362525
Manzhar, V.A.
X-ray studies in dynamic characteristics of iron base alloys. 368767
Manzoor, C.
Politics of technology transfer (with special reference to the transfer of nuclear technology). 358145
Politics of technology transfer. 352574
Manzyuk, N.A.
Stability of current magnetic structure relative to external helical perturbations. 361587
Mao, A.C.
Positron annihilation in methane. 355900
Maor, D.
Molecular effects in charge-state distributions from dissociative collisions of 30 - 900-keV H/sub w/2/sup ts+/. 363912
Mapelli, L.
Analysis of the $\omega\pi^-$ system produced in the reaction $\pi^-p \rightarrow \pi^+\pi^-\pi^+\pi^0 p$ at 11.2 GeV/c. 353965
Maple, J.H.C.
The Culham Laboratory. 364225
Maple, M.B.
Coexistence of superconductivity and long-range antiferromagnetic order in the compound Ersub(x)Mo_6Se_8. 357305
Phase transition in the superconducting state in Gd-rich pseudoternary compounds (Lasub(1-x)Gdsub(x))sub(1.0)Mo_6Se_8. 357304
Mapp, J.
Direct e^+e^- pair production by 300-GeV/c protons in neon. 359341
Maqueda, E.E.
Field description of inelastic scattering. 356595
Maquestiau, Y.
Heterocycles fragmentation by electron beams. 354440
Maqurno, B.A.
Evaluated cross section libraries. (HEDL-TME - 75-130) 351242
Mar, R.W.
Sublimation of boron. 362429
Mar, S.
Simultaneous measure of a spectral line profile and the apparatus function of a Fabry-Perot spectrometer when continuous background is present. (JEN - 380) 377083
Mar'in, V.P.
Thermal decomposition reaction of dicyclopentadienyl derivatives of vanadium. 357053
Mar'yasin, I.L.
Effectiveness of protection of graphite with pyrocarbon against aggressive media. 378789
Mara, G.L.
Eliminating cold-shut defects in deep, single-pass, electron beam welds in uranium. 357241
Mara, S.J.
Proposed outline of safety analysis report for facilities for geologic isolation of radioactive wastes. (Y/OWI/SUB - 77/22320) 358539
Marable, J.H.
SENDIN and SENTINEL: two computer codes to assess the effects of nuclear data changes. (ORNL/TM - 5946) 352442
Marafante, E.
Application of neutron activation analysis to metallobiochemistry. 369543
Marafi, M.A.
Extraction of the differential cross section for the excitation of argon atom to the $3p^54s$ state and of the ground state velocity distribution by a time of flight technique. 371513
Maraghechi, B.
Sum-frequency excitation of electron plasma waves. 372090
Maramzina, M.A.
On the mobility and diffusion length of electrons in p-type indium antimonide. 364049
Maran, S.P.
Transient x-ray source A0620-00 (Nova Monocerotis 1975). (CONF-7510169 -) 364369
Maraniello, G.
In-pile measurement of fission enhanced creep and swelling of uranium nitride. 360132
Maraschi, L.
Correlation between hardness and pulsation in galactic X-ray sources. 359122
A spherical model for the transient x-ray source A0620-00. 356215
X-ray bursts of nuclear origin. 369155
Marat-Mendes, J.N.
Capture of H-centres by IV dipoles during both x-irradiation and Hsub(Na)-centre annealing in KCl(Sr). 362541
Marauhashi, A.
Spatial distribution of energy transfer from thick target bremsstrahlung measured with miniature dosimeter. 365575
Marazza, R.
Some notes on the crystal chemistry of rare earths ternary intermetallic compounds. 362430
Marcaillou, J.
Creation of nuclear power stations for export. Adapting a reference power station from the technical level of a national programme. 371235
March, N.H.
Partial structure factors of an ionic model of liquid UO_2. 350574
Partial summation of gradient expansion of canonical density matrix. 366284
March, P.V.
$f^0(1270)$ production in the reaction $\pi^-p \rightarrow \pi^+\pi^-n$ at 12 and 15 GeV/c. 372501
March, R.E.
The effects of charge exchange collisions on the motion of ions in three-dimensional quadrupole electric fields. II. 361337

Marchal, P.
Classification of transfer techniques at high-activity facilities. 360705
New MA 23 master-slave manipulators with servo control and force feedback. Their application in routine work and in scheduled and exceptional operations. 360706
Marchand, M.
SR isotopes and trace element geochemistry of the impact melt and target rocks at the Mistastin Lake crater, Labrador. 349644
Marchand, P.
Subject of displaced thresholds. 350651
Marchand, R.
Effect of circulating ion resonances and impurities on the dissipative trapped-ion instability. (PPPL – 1367) 361588
Marchant, A.
Evolution of dynamical systems with time-varying gravity. 364370
Marchant, A.B.
Formation of elliptical galaxies by tidal interactions. 351046
Marchaterre, J.
Work-energy characterization for core-disruptive accidents. (CONF-761001 – P3) 365576
Marchaterre, J.F.
In-pile experiments and test facilities proposed for fast reactor safety. (CONF-761001 – P2) 362940
Overview of core disruptive accidents. (CONF-770817 – 2) 367775
Marchaud, J.D.
Advanced concepts in prestressed-concrete containment construction due to hot liners from the special point of view of economical construction. 370973
Marchenko, A.T.
Determination of the average grain size of tungsten alloys by acoustic emission technique. 375907
Marchenko, A.V.
Comparative study of the absorbed dose rate of mixed gamma and neutron radiations in the WWR-M reactor experimental channel for biological studies. 379381
Marchenko, R.I.
An investigation of peculiarities of dielectric film ion sputtering by means of the SIMS technique. (INIS-mf – 3996) 364064
Marchenko, V.A.
Alloying effect on subcooled austenite transformation in low-alloy steel of 14G2S type. 359933
Marchenko, V.I.
Infrared absorption and particularities of conductivity of rare earth sulfides of variable composition. 359651
Kinetics of neptunium (4) oxidation by pentavalent vanadium in perchloric acid solution. 357100
Magnetic phases of solid He^3. 377678
Mathematical models and calculation algorithms of extraction processes, complicated by chemical reactions. 362344
Marchenkov, V.V.
Device for converting sensor number into a digital code. (Soviet patent document 433632/A/) 376722
Marchertas, A.H.
Comparison of ANL containment codes with SNR-300 simulation experiments. (CONF-761001 – P3) 365577
Extension of HCDA safety analysis to large PCRV containment structures. (CONF-770807 – 49) 367776
Simulation of LMFBR excursion models by means of ICECO. (CONF-770807 – 52) 373843
Marchese, A.R.
Assessment of CRBRP containment response to a hypothetical core melt-through accident. 352269
Marchesini, A.
Application of neutron activation analysis to metallobiochemistry. 369543
Marchesini, G.
Inclusive distributions for reggeon theory on a transverse lattice. 372461
Marchesseau, G.
Researches with the tandem and the synchrotron. Chapter 1. (CEA-N – 1959) 354227
Marchetti, S.
Interaction of spin selected atomic hydrogen with surfaces. 368735
Marchie van Voorthuysen, E.H. du
Isomeric states in ^{152}Dy. (INIS-mf – 4267) 378010
Recoil-distance lifetime measurements of levels in ^{154}Dy and ^{155}Dy. (INIS-mf – 4267) 378033
Marchildon, P.
The safety of nuclear power stations. 363418
Marchis-Mouren, G.
On the control of ribosomal protein biosynthesis in Escherichia coli. 354953
On the control of ribosomal protein synthesis in Escherichia coli. 360396
Marchuk, P.M.
Study on the theta-pinch in Ge. 348854
Marchukova, I.D.
Mutual diffusion in Pt-Mo, Re-Mo, Pt-Re and Pt-Re-Mo systems. 378686
Marchyulenene, D.P.
Accumulation of ^{210}Pb by freshwater plants. 367609
Marci, G.
The influence of specimen geometry on stress corrosion cracking rates. 357188
The physical interpretation of the threshold-stress intensity range during fatigue loading. 365167
Report on the non-destructive testing conference. 358017
Marcial, V.A.
Radiation-induced liver damage. 379027
Marciano, D.
Patterns of bone-marrow scintigraphy. 354968
Marcibal, O.
Serum thrombopoietic activity following administration of vinblastine. 354851
Marcilhacy, G.
About a class of solutions of MHD equations in the machine of Tokamak type. 353585
Marciniak, T.
Work-energy characterization for core-disruptive accidents. (CONF-761001 – P3) 365576
Marciniak, T.J.
Response of single subassembly hexcan wrappers to pressure loads. (CONF-761001 – P3) 365515
Some aspects of the structural response of pool-type LMFBR systems to HCDA and seismic events. (CONF-761001 – P3) 365578
Structural response of large LMFBR head closures to hypothetical core disruptive accidents. (CONF-770807 – 47) 370585
Marciniak, W.
Comparative evaluation of the levels of metallothionein-like proteins, cadmium and zinc in the liver and kidneys of rats. 367630
Marcinkowski, A.
Evaluation of the $^{58}Ni(n,2n)^{57}Ni$ reaction cross sections. (INDC(POL) – 8/L) 372691
Marcus, F.B.
Plasma engineering considerations for a medium-field ignition test reactor. 377509
Runaway modeling in ORMAK and TNS. (ORNL/TM – 5905) 350820
Marcus, F.R.
Industrial aspects of radioactive waste management in Western Europe. 368449
Marcus, P.M.
Structural models of the reconstructed brace W 001 brace surface. 374667
Mardalejshvili, R.E.
Study of trimerization of acetylene in benzene. Catalytic activity of niobium and its oxides. 378338
Mardani, K.H.
Question of pure or applied research in developing countries. 352825
Mardion, G.B.
Superfluid helium bath for superconducting magnets. 360635
Mardirosova, I.V.
Complexing in the cesium metaphosphate-manganese(2) metaphosphate. 364989
Mardon, J.P.
Contribution of neutron diffraction to the study of the texture function of recrystallized titanium, comparison with X-ray diffraction. 353465
Marechal, A.
Primary circuit thermal hydraulic analysis of Super Phenix 1 Reactor; sodium and structures temperatures calculations; salt water tests – hot water tests. 371033
Maree, G.J.
Bone marrow imaging with iron 59. 376143
Mareev, Yu.D.
Magnetic moments of Tb and Ho compound states. (INIS-mf – 3897) 356681
Neutron resonance spins of ^{159}Tb from experiments with polarized neutrons and polarized nuclei. (INIS-mf – 3897) 354132
Spin dependence of the total neutron cross section of ^{169}Tm and ^{141}Pr in the neutron energy range up to 100 keV. (JINR-R – 3-10835) 377954
Marek, G.S.
Zirconium dibromide. Features of its synthesis and crystal structure. 378339
Marel, G.
A detector for high-energy neutrino interactions. 379899
Observation of the decay $\pi^0 \rightarrow e^+e^-$. 377802
Marel, L.C. van der
Hysteresis of niobium in time dependent fields up to 3 k0e amplitude. 359941
Marenkov, O.S.
Interpolation formula for calculating atomic photo-cross section of X and γ-rays. 374629
Mares, J.
Production of nonpolarized and polarized 14 MeV neutrons. 354233
Marfurt, K.J.
Internal friction of metal spheres showing the effect of the anisotropy of the component metals. 365168
Margaziotis, D.J.
Measurements of the proton total reaction cross section for ^{24}Mg, $^{64\ 66\ 68}Zn$ and ^{140}Ce between 17.5 and 48 MeV. 356735
Margen, P.
The use of nuclear energy for district heating. 380086
Margen, P.H.
Reactor waste heat utilization and district heating reactors. 366135
Margetan, D.R.
Decay studies of Ag, Cd, and In fission products with new in-beam ion source. (BNL-NCS – 22500) 356783
Marghitu, S.
The transitory effects induced in electrically insulated materials by ionizing radiation fields. 378811
Margolis, B.
Inelastic screening and total nuclear cross sections. 372395
Statistical treatment of coherent and other reactions. 361825

Margolis, L.Ya.
Mechanizm of propylene oxidation on modified cobalt-molybdenum catalysts. 349248
Margolis, S.H.
Are supernovae sources of presolar grains. 364319
Margolis, S.V.
Fossil manganese nodules from Timor: geochemical and radiochemical evidence for deep-sea origin. 373410
Margon, B.
Extreme ultraviolet observations of white dwarfs. 369144
The nature of Aquila X-1. 374936
Simultaneous x-ray and optical observations of X Persei. (CONF-7510169 –) 364371
Margrave, J.L.
Studies on matrix isolated uranium tetrafluoride and its interactions with frozen gases. 351610
Marguier, G.
Decay studies of some nuclei around Z = 50: sup(106 m)Ag, sup(103, 119, 121)Cd. (INIS-mf – 3946) 362070
Margulies, S.
On the prestressing and deformation of rectangular particle detector frames. 379916
Margulis, R.B.
Application of rhenium alloys in metallic ceramic tubes of SHF range. 351837
Margulova, T.Kh.
Optimization of water regime of secondary circuits of nuclear power plants with WWER reactors. 368149
Marhic, M.E.
Axial density and temperature variations in a magnetically confined arc. 350897
Mariani, D.F.
Correlation between the thermoluminiscence and the center thermal stability in KBr, KI, NaCl and NaF irradiated at room temperature. (JEN – 386) 367337
Marianow, W.
Radioisotope level regulator – AERIN. (INIS-mf – 4015) 373956
Maric, Z.
Red-shifting of light passing through clusters of galaxies a new photon property. 359123
Theoretical interpretation of new experimental results for the asymmetry in the γd→πdegd reaction. 359283
Marie, R.
Mutants induced in rice (Oryza sativa L.) for the study of their reaction to Sclerotium oryzae Catt. and Sclerotium hydrophilum Sacc. 373702
Mariella, R.P. Jr.
Vibrational relaxation in seeded supersonic alkali halide beams. 358782
Marik, P.
Stilbene crystal scintillation spectrometer. 350303
Marikyan, G.A.
On the measurement of momenta of the hadronic component of cosmic rays. (EFI – 210(2)-77) 379954
Study on some reasons for track displacement in a spark chamber. 358329
Marin Gorriz, F.J.
Clinical assessment of angioscintigraphy and brain sequential scintigraphy with sup(99m)Tc-DTPA. (INIS-mf – 4010) 357674
Marin, V.P.
Investigation into thermodynamic stability of $AlWO_4$ and reaction between Al_2O_3 and WO_2 at higher temperatures. 369660
Marina, L.I.
Investigation of interaction of molten gallium-phosphorus stoichiometric alloy with container materials. 362211
Marine, I.W.
Conceptual geohydrological model of the separations area. (DP – 1455) 367385
Studies for geologic storage of radioactive waste in the southeast. (DP-MS – 77-106) 374442
Use of naturally occurring helium to estimate ground-water velocities for studies of geologic storage of radioactive waste. (DP-MS – 77-37) 371206
Marinescu, D.C.
CDL as a language for implementation systems in scientific environment. (JINR-E – 10-10544) 353024, 376857
Marinescu, L.
Charge exchange processes in Lamb-Shift type polarized ion sources. 377076
Marinescu, M.
Potential barrier parameter systematics for the U, Pu, Am, Cm and Bk isotopes. 377976
Marini, A.
Description and performance of MEA, the magnetic detector at ADONE. 379480
Multihadron production e^+e^- annihilation at 1.6 c.m. energy. 364575
Marinikova, A.
Uranium determination in biological samples by means of solid state track detectors. 373609
Marinkovic, Z.
Thin film interdiffusion of Au-Zn and Au-Cd at room temperature. 369999
Marinkovicj, N.
Inventories of radioactive fission products in the core of thermal nuclear reactor. 379658
Nuclear fuel burnup calculation in a Voronezh type reactor. 379659
Marino, G.
Testing the self-consistency of nuclear equipment. 358379
Marinov, A.
Particle-hole states in ^{42}K studied by the $^{44}Ca(d,\alpha)^{42}K$ reaction. 356854
Marinov, M.S.
Electron-positron pair creation from vacuum induced by variable electric field. 349069
Particle spin dynamics as the grassmann variant of classical mechanics. (ITEP – 43) 348577
Marinsky, J.
Charge and nature of technetium species produced in the reduction of pertechnetate by stannous ion. 373028
Marinucci, T.
Dimensional regularization and anomalies. 361296
Non-Abelian gauge theories and triangle anomalies. 363765
Marinuzzi, J.G.
Application of high power lasers to problems in the nuclear fuel cycle. 378218
Mariolopoulos, G.
Complete identification of products of the reaction $^{20}Ne+^{12}C$ at 110 MeV. 354239
Marion, M.A.
Biliary scanning with /sup 99m/Tc pyridoxylideneglutamate. The effect of food in normal subjects: concise communication. 352084
Marion, R.H.
Fabrication of graphite matrix fuel for pulsed reactors. (LA-UR – 77-465) 350274
Maripov, A.
Electromagnetic oscillations of the TM type in a cylindrical resonator with a gas-discharge plasma. 348939
Maris, T.A.J.
Quasi-free (π,πN) scattering. 372620
Mariscotti, M.A.J.
Level structure of ^{80}Rb studied with the $^{79}Br(\alpha, 3n)$ reaction. 354146
Lifetimes and g-factors of the 6^- and 7^- isomers in ^{66}Ga and ^{68}Ga. 377993
Mariss, F.
Partial and whole-body-clearance of ^{57}Co-bleomycin in patients with collum uteri carcinoma; measurements performed with a mobile whole-body counter. (INIS-mf – 4010) 357654
Mariss, M.
Image processing of one-dimensional whole-body profiles. (INIS-mf – 4010) 358391
Mariss, P.
A combination of several procedures for the diagnosis of hematological diseases. (INIS-mf – 4010) 367704
A novel homogeneous mobile whole-body counting device. (INIS-mf – 4010) 358377
Maritsch, F.
Burst protection for reactor pressure vessels using a hinged support bearing. 355302
Mark, H.
Refined ab initio relativistic electron binding-energy and Auger transition-energy calculations. 376989
Mark, Hans
Refined ab initio relativistic electron binding energy and Auger transition-energy calculations. 368617
Mark, J.W.
Stellar dynamics in thin disk galaxies. I. A unified approach to hydrodynamic and orbit theories. 350981
Mark, S.K.
The ^{141}Eu nuclide and its decay properties. 364761
Mark, Th. W. van der
Comparison of ^{133}Xe and $^{13}N_2$ ventilation studies. (INIS-mf – 4010) 370409
Markar'yan, A.A.
New current pulser in a beam extraction system of the Yerevan synchrotron. (EFI – 181(27)-(76)) 352417
Markaryan, A.A.
On the possibility of simultaneous extraction of particles along several beam lines at the Yerevan synchrotron. (EFI – 176(22)-(76)) 350050
Markaryan, Eh.R.
Electron drift through the stack of plates in a gas volume. 350281
Markelis, A.
Bubble propagation in ion implanted garnet films. 370207
Markellos, V.V.
On the totality of periodic motions in the meridian plane of a magnetic dipole. 367432
Markelov, V.N.
Strontium-90 concentration in the bottom brine and sediments of the Sivash Lake as dependent on the hydrochemical emironment. 349667
Markert, T.H.
Positions of galactic X-ray sources Cir X-1, TrA X-1 and 3U1626-67. 350986
Marketos, D.G.
Radiolysis of aqueous solutions of a Cu(II) complex with a macrocyclic ligand. Redox reactivity towards various short-lived radicals compared to other redox reagents. 365072
Markevich, I.V.
Some specific features of spectra of Auger excitation of photoluminescence and photocurrent in CdS compensated crystals. 368768
Specific features of a long-term relaxation of nonequilibrium conduction in $CdIn_2Se_3$ monocrystals. 368736
Study on the nature of recombination centers responsible for the luminescence band in the range of 0.95 μm in CdS < Li > crystals. 371633

Markevich, S.V.
Catalytic activity of γ-irradiated alumopalladium catalysts. 373060
Determination of yields of gaseous products of carbohydrates radiolysis by mass spectrometry method. 378519
Effect of heterogeneous factor in reaction of radiation-thermal cracking of propane. 373082
Radiation action on physicochemical properties of bismuth-molybdenum catalyst in oxidative ammonolysis. 373093
Radiolysis of catalysts on carriers. 373066
Markewitz, G.
Direct observation of misfit dislocations in growing epitaxy layers. 366421
Markgraf, J.
Status of the power ramp tests with LWR fuel rods at the Petten HFR. 370844
Markham, R.G.
Excitation of giant resonance in ^{90}Zr by inelastic ^{6}Li scattering. 362085
Markhasin, E.S.
Rational thermal conditions of sheet 08kp steel treatment. 357207
Markhevka, V.I.
Formation of gas bubbles in fluidized bed. 357891
Markin, A.I.
Controllable forming of a compact toroidal structure with an impulse field barrier. (DOE-tr – 3) 369009
Markin, A.V.
Study on materials in cyclic temperature fields. (INIS-mf – 3954) 363374
Markin, E.P.
Laser-stimulated chemical reactions and isotope separation. 363071
Markin, O.A.
Pion condensation and the region of stability of anomalous nuclei. 375129
Markish, T.S.
Stability of titanium alloys under conditions of intensive ultrasonic cavitation. (INIS-mf – 3914) 349371
Markiv, V.Ya.
Phase equilibria in the V-Ni-Al system and some properties of the alloys. 370008
V-Ga-Cu system. 378725
Markizov, V.N.
System of analog and digital data transmission out of a magnetic spectrometer into a computer. (ITEF – 54) 352836
Markkanen, T.
Polarization measurements and extinction near the NGP. 369156
Markley, R.A.
Optimized method for orificing LMFBR cores. (CONF-770611 – 6) 352727
Marko, M.A.
The x-ray diffraction study on Nb-Ge-B and Ta-Ge-B systems. 375859
Markochev, V.M.
Technique for fracture toughness testing at negative temperature. 378684
Markosyan, A.S.
Nuclear magnetic resonance investigation of spin reorientation phase transitions in Yttrium-Terbium ferrite garnets. 355962
Markosyan, Eh.A.
EPR and spin-lattice relaxation of Mo^{3+} ions in corundum and garnets. (INIS-mf – 3955) 377285
Markov, A.A.
Electron affinity for alloys of the cadmium-zinc-antimony system. 378682
Strength and gas-abrasive wear-resistance of zirconium carbide based cerments. 375933
Work function of electron in the copper-antimony, copper-indium and copper-cadmium binary alloy systems. 378680
Markov, A.K.
Pharmacologically induced heterogeneous myocardial blood flow detected with rapid rescanning. 354948
Markov, A.N.
Fabrication of targets from solid hydrogen for laser thermonuclear fusion. 374838
Markov, A.V.
On a method for solution of transport equation using singular integral equations. (FEI – 550) 350446
Markov, B.N.
JINR U-400 isochronous heavy ion cyclotron. 363297
Measurement of cross-sections of spontaneous fission isomer production in neutron reactions. (INIS-mf – 3896) 356766
Markov, S.I.
Effect of chemical constitution on radiation embrittlement of perlitic steels. (INIS-mf – 4190) 375939
Statistical analysis of a combined effect of nickel copper and phosphorus on irradiation embrittlement of pearlite steels. 360057
Markov, S.N.
Low-inductance megampere commutator with using creeping discharge. 363613
Markov, V.F.
Investigation of aging of granulated iron hydroxide by the method of gel freezing. 349260
Sorption of ions of some elements of the third group of the periodic chart from ammonium fluoride solutions by granular iron dioxide. 372991
Sorption of uranium (6) from ammonium carbonate solutions by granulated iron hydroxide. 359756
Sorption of uranium from UO_2F_2-NH_4F-H_2O solutions by granulated iron hydroxide. 359755
Markov, V.N.
Small-sized electron linear accelerator in the 3-cm range for application in industry. (INIS-mf – 4194) 376351
Markov, V.V.
Fabrication of cold-rolled bands of the alloy-ehi 702 in rolls. 373158
Markova, N.F.
File structure and organization in the automation system for operative account of equipment and materials in JINR. (JINR – 10-8725) 368487
Markovic, B.
Chromosomal aberration in persons occupationally exposed to X-rays. 354812
Markovic, P.
Effect of decontamination treatment in prophylaxis of irradiation at conditions of radiocontamination of normal and damaged skin. 354860
Markovich, F.J.
Cost analysis of lasers for a laser isotope separation system. Final report. (UCRL – 13744-2) 365650
Markovin, A.P.
Fast reactor spent fuels transportation problems. (IAEA-AG – 63-15) 363498
Markovskij, D.V.
Effects of neutron constants on the neutronic calculation of a thermonuclear reactor blanket. (INIS-mf – 4043) 361589
Markovskij, E.A.
Electron irradiation hardening of the steel-45. 349592
Markowski, E.S.
Effect of rod bowing on CHF in PWR fuel assemblies. 370927
Markowski, F.J.
Analysis of postulated FFTF pipe ruptures. (CONF-761001 – P3) 365579
Loss of one heat transport loop without reactor trip. 352263
Markowski, P.J.
Crystal growth of uranium and thorium compounds with the elements of group V by chemical vapor transport. 367085
Preparation and semiconducting properties of Th_3As_4. 365155
Marks, E.
Investigations on the effect of vibration on the neurosecretory cerebral system using ^{35}S-cysteine. 373671
Investigations on the effects of vibration on the neurosecretory cerebral system using ^{3}H-methionine. 373670
Marks, S.
Dosimetry for human exposures. (ORNL – 5171) 367525
Marks, T.
Inelastic scattering of π^+ Mesons from nuclei at 50 MeV. 369493
Markt, B.
Comparison of concentration rates of calcium and pyrophosphates in bone. (INIS-mf – 4010) 357619
Markushin, V.E.
Production of superfast pions in collisions of relativistic deuterons with protons and nuclei. 375042
Markvoort, J.A.
The influence of heavy gas endplugs on the energy confinement time. (INIS-mf – 3963) 374822
Markytan, M.
Inclusive yields and transverse spectra of non-strange mesons. 353853
Spin and lifetime of the Ω^- hyperon. 372517
Study of the planarity in K^-p reactions at 8.25 GeV/c. 369379
Study of the reactions $K^-p \rightarrow K^+K^-\Lambda$ and $Kp \rightarrow$panti $p\Lambda$, at 10 and 16 GeV/c. 353978
Marlborough, J.M.
γ Cassiopeiae and the transient x-ray source MX0053 + 60. 361714
Marlein, J.
Facilities and arrangements for the treatment of highly radiotoxic wastes. 360681
Marlier, S.
On sawtooth oscillations and MHD modes in the W VII A stellarator. (INIS-mf – 3963) 371780
Marlier, S.F.
First results on the confinement of a laser-produced plasma in the W IIb stellarator. (INIS-mf – 3963) 371741
A steadily rotating plasma disk. 350898
Marling, J.B.
Deuterium separation by infrared-induced addition reaction. (US patent document 4,025,408/A/) 373915
Ion laser isotope enrichment by photo-predissociation of formaldehyde. (US patent document 4,029,559/A/) 373921
Isotope enrichment by frequency-tripled temperature tuned neodymium laser photolysis of formaldehyde. (US patent document 4,029,558/A/) 373922
Marlow, K.W.
The continental component of a Pacific Marine aerosol. 375304
Marmar, E.S.
EUV impurity study of the Alcator tokamak. (COO – 2711-3) 359032, 374862
High-density discharges in the Alcator tokamak. 368947
Marmet, P.
Ionization and dissociative ionization of CO_2 by electron impact. 361920
Subject of displaced thresholds. 350651
Marmo, G.
Q-dynamical systems and constants of motion. 353117
Marmonier, Pierre
Nuclear reactor assembly. 355462
Marnelius, R.
Multilocal quantum field theory approach to bag scattering. (JINR-

D – 2-9788) 374576
Marnet, C.
Ten years of electricity supply from AVR. 376547
Marode, E.
The Stark broadening of hydrogen lines, direct measurement of the current density in a ionized gas inside a quasi uniform microscopic field. 353184
Maron, Y.
Technique for measuring very high surface velocities. (WIS-PH – 77/30) 366027
Maronchuk, Yu.E.
Electric properties of Alsub(x)Gasub(1-x)As solid solutions doped with tellurium. 356013
Maroni, V.A.
Physical research on liquid-metal systems. Annual report, July 1975 – June 1976. (ANL – 76-106) 359830
Solubility of lithium deuteride in liquid lithium. 354572
Thermal hydraulic analyses of two fusion reactor first wall/blanket concepts. (CONF-771029 – 178) 377487
Tritium processing and containment technology for fusion reactors. Annual report, July 1975 – June 1976. (ANL – 76-133) 358979
Maroti, L.
Thermohydraulic calculation of reactor boiling channel. (KFKI – 77-53) 358071
Marov, M.Ya.
Modern aspects of Mars. 351047
Marova, Yu.M.
Device for simulation of integral dose distribution in multifield radiotherapy. (Soviet patent document 441733/A/) 379482
Marples, J.A.C.
Development and radiation stability of glasses for highly radioactive wastes. 358485
Marquart, R.
Americium monosilicide and 'disilicide'. 367141
Marque, J.P.
Measurement of the ion-mass effect on the central structure of Hsub(β) in a plasma produced by a combustion-driven shock tube. 374813
Marques Netto, A.
Study of the stability of triglycine selenate under Co 60 ionizing radiation. 351642
Marquette, J.-P.
Fission cross section measurements of ^{235}U, ^{239}Pu and ^{241}Pu from 10keV to 5.5MeV. (CEA-R – 4804) 354270
Marquette, M.
Hydraulically supported absorber balls shutdown system for inherently safe LMFBR's. (CONF-761001 – P2) 363017
Marr, D.R.
Core design methods for advanced LMFBRs. (HEDL-SA – 1205) 363500
Development of LMFBR core designs using reference and advanced oxide fuel. 379742
Marr, J.J.
Chemical Engineering Division physical inorganic chemistry. Annual report, July 1975 – June 1976. (ANL – 76-101) 364847
Marr, W.W.
Comparison of experimental data with COBRA-3M prediction for an LMFBR loss-of-piping-integrity transient. 352245
Marraffino, J.M.
Σ^- production and decay properties in $K^-p \rightarrow \Sigma^-\pi^+$. 377807
Marrian, D.H.
Specific binding of ^3H-mepyramine to histamine H_1 receptors in intestinal smooth muscle. 360318
Marriner, J.
Hadronic structure of the weak neutral current. (LBL – 6438) 369312
Marriner, J.P.
Ratio of neutral-current to charged-current cross sections for inclusive neutrino interactions in hydrogen. 351220
Marrone, J.
Price – Anderson Act: the insurance industry's view. 376841
Marrs, R.E.
Electromagnetic transitions in ^{13}C and ^{13}N. 351388
Marsaud, S.
Backscattering analysis of the thermal diffusion of gold layers into amorphous semiconductor thin films. 367101
Marschall, C.W.
Critical experiments, measurements, and analyses to establish a crack arrest methodology for nuclear pressure vessel steels. Quarterly report no. 9, Oct – Dec 1976. (PB – 269339) 365551
Marscher, A.P.
Effects of nonuniform structure on the derived physical parameters of compact synchrotron sources. 351049
Structure of radio sources with remarkably flat spectra: PKS 0735+178. 351048
Marseguerra, M.
Absolute estimation of radon daughter concentrations in air by α-spectrometry. 374290
Marsh, F.S.
Further dynamical and experimental LEED results for a clean W[001]-(1 x 1) surface structure determination. 362393
Marsh, H.
Kinetics of the carbon-carbon dioxide reaction under a continuous and linear increase in temperature. 365227
Marsh, J.C.
Simultaneous assay by six methods of the effect on haemopoietic precursor cells of adriamycin, methyl CCNU, ^{60}Co γ-rays, vinblastine, and cytosine arabinoside. 373515
Marsh, K.V.
Cluster-vibrational-field model for ^{95}Mo and levels populated in the decay of $^{95}Tc/sup\ m$,g/. 351391
Marsh, S.F.
Cation exchange of 53 elements in nitric acid. (LA – 7083) 378143
Marsh, S.J.
Numerical simulation of proton rings during static compression and trapping. 364226
Marsh, W.L.
Search for charmed particle production in proton – proton collisions at the CERN – ISR. (TID – 28036) 377813
Marshak, M.
Differential cross sections for p-^{4}He elastic scattering at GeV energies. 354220
Marshak, M.L.
phi production in π^-p collisions near threshold. 351216
Marshakov, I.K.
Dissolution of chromium steels in transpassive region. 349316
Marshalek, E.R.
Band-crossing anomalies in the cranking model. 372644
Marshalkin, A.N.
Cyclic strength of a precipitation hardening steel after strain hardening following high tempering. 370000
Marshall-Clarke, S.
Differential tolerance of thymus-independent and thymus-dependent antibody responses. 376112
Marshall, F.E.
The streaming of 1.3 – 2.3 MeV cosmic-ray protons during periods between prompt solar particle events. (N – 77-14978) 361715
Marshall, G.C.
Effects of altered thyroid states on cesium-137 accumulation in the liver of rats. 370403
Marshall, H.
Preparation of carrier-free Kr by (p,xn) reactions on natural bromine. 365655
Marshall, H.L.
Dual character of the rapid burster and a classification of X-ray bursts. 374917
Marshall, I.R.H.
Formation and photolysis of alkyl and peroxy radicals in dilute glass matrices. 357130
Marshall, J.
Blowdown into full-pressure containment. 376521
Effect of air content and mass inflow on the pressure rise in a containment during blowdown. (INIS-mf – 4200) 376492
Fast liner proposal. (LA – 6707-P) 361625
Fueling by coaxial plasma guns. (LA-UR – 77-2533) 371938
Heater control apparatus. (UK patent document 1480500/A/) 350329
Improved nuclear fuel assembly grid spacer. (US patent document 4,021,300/A/) 374257
Irradiation creep of stainless steel in bending. 360109
Pressure vessel blowdown into full pressure containment. (INIS-mf – 4081) 368023
Marshall, J.A.
Additional methodology development for statistical evaluation of reactor safety analyses. (EPRI-NP – 483) 360459
Marshall, J.H.
Theory of the induction of bone cancer by alpha radiation. 349787
Marshall, J.M.
Liability and safety in nuclear power plants. (PB – 266664) 363720
Marshall, J.R.
Fuel transfer system for a nuclear reactor. (US patent document 4,053,067/A/) 368020
Marshall, M.
A two temperature readout of thermoluminescent LiF, its properties and uses for personnel dosimetry. 355551
Marshall, P.
Absorber balls tested for LMFBR secondary shutdown. 376574
Buoyant uranium market brings South African mining bonanza. 351937
Can world meet 300,000 tonnes supply challenge. 360151
The influence of low oxygen and contaminated sodium environments on the fatigue behaviour of solution treated AISI 316 stainless steel. 354533
Preliminary microstructural examination of high and low ductility type 316 creep rupture specimens. (CEGB-RD/B/N – 3991) 357251
Space propulsion system for terrestrial electricity. 352805
Marshall, R.
Observation of a baryon exchange dip and parton effects in backward photoproduction of ω. 372513
A 480-channel lead glass Cherenkov detector. 355498
Marshall, R.A.G.
Cumulative sum charts for monitoring of radioactivity background count rates. 379917
Marshall, R.E.
New method for measuring stopping powers using ion induced x-ray emission. 361933
Marshall, R.K.
Comparative analysis of pellet-cladding interaction from IFA-431 and IFA-432 Halden reactor tests. (BNWL – 2240) 363443
Method for determining the uncertainty of gap conductance deduced from measured fuel centerline temperatures. (BNWL – 2091) 374201
Marshall, R.S.
Nondestructive assay instruments for the DYMAC program at the Los Alamos Scientific Laboratory. (LA-UR – 2247) 366199
Marshall, T.R.
Spin relaxation of optically pumped cesium through collisional modification of the hyperfine interaction. 353241, 377012

Marshall, V.M.
Effect of light on Thiobacilli. 365366
Marshall, W.
Nuclear power and the proliferation issue. (INIS-mf – 4212) 376207
Marsham, T.N.
The fast reactor and the plutonium fuel cycle. 352924
Marsicanin, B.
Some safety aspects of nuclear facilities. 379266
Marston, P.L.
Evidence of a large superfluid vortex in ^{4}He. 372337
Part I. Vortex and equilibrium surface profiles of superfluid helium-four. Part II. Tensile strength and visible ultrasonic cavitation of superfluid helium-four. 372336
Mart, J.W.
An automatic helium purifier for integration with small laboratory liquefiers. 360636
Martel, J.G.
Doubly peaked helium depth profiles in copper and blistering. 362550
Martel, L.J.
EPRI program to study PWR secondary water chemistry. 370932
Martel, P.
Nonlinear X-ray induced strain effects in alkali halides. 354613
UV damage in solids of the nucleic acid bases. 352002
Martell, C.J.
Automated energy-dispersive x-ray determination of trace elements in stream sediments. (LA – 6869) 351441
Martell, E.A.
Cancer induction by alpha emitting warm particles. 379069
Martella, L.L.
Waste management analysis for the nuclear fuel cycle: parts I and II. Progress report for period ending March 31, 1977. (RFP – 2667) 366085
Martelli, A.
SAGAPO. A computer code for the thermo-fluiddynamic analysis of gas cooled fuel element bundles. (KFK – 2483) 360986
Martem'yanov, B.V.
Mesons consisting of gluons. 369300
Martem'yanov, V.P.
Intrinsic background of the SNM-57 proportional neutron counters. 379956
Martem'yanova, Z.S.
Deposition of high temperature metals from molten salts. (INIS-mf – 4189) 375410
Regularities of formation of oriented electrodeposits during electrolysis of molten salts. (INIS-mf – 4189) 375408
Marten, K.
Reactor technology. (KFK – 1277/2) 371061
Martens, H.
Method for the fabrication of superconducting Nb_3Sn layers on niobium surfaces for high frequency applications. (German (F.R.) patent document 2532570/A/) 369255
Martens, J.W.
Strategies for improving rust resistance in oats. 373714
Martens, P.
An installation for the irradiation of large silicon monocrystals for the production of power thyristors. 355076
Marth, W.
The erection of the KNK-II from the point of view of the builder-owner. 376577
KNK power plant: achievements and future programs. 379782
The KNK-II safety test programme. 371036
KNK-II spent fuel element management. 376576
The KNK-II test programme. 376575
Marti, F.
Transfer of line radiation in differentially expanding atmospheres. V. Line formation in a decelerating spherical flow. 351050
Marti, K.
The cosmic ray record in the San Juan Capistrano meteorite. 374906
On the flux of low-energy particles in the solar system: the record in St. Severin meteorite. 351038
Martichkova, L.
Quantitative investigation of some trace elements in renal stones by neutron activation analysis. 369538
Martin-Edingshaus, L.
How Germany came to have nuclear energy: a stop half-way. 366140
Martin, A.
An inequality on S wave bound states, with correct coupling constant dependence. 358673
New model independent results on the diffraction peak. 361782
A novel design for PWR pressure vessels. 352654
On the order of levels in charmonium-like models. 377734
Relative magnitudes of the J/psi and psi' wave functions at the origin. 353868
Martin, A.D.
Amplitudes and exchange mechanisms for K* resonances produced by the reactions $K^+p \rightarrow K^{*+}p$ at 10 GeV/c. 356488
Avalanche transistor pulser for fast-gated operation of micro-channel plate image-intensifiers. (LA-UR – 77-2402) 379988
Study of $K\pi$ scattering using the reactions $K^+p \rightarrow K^+\pi^+n$ at 13 GeV. (SLAC-PUB – 1886) 377799
Martin, A.H.
Experience with the construction and operation of the 1200-MW Biblis 'A' nuclear power plant. 370912
Martin, B.
Australian uranium and the election. 360476
Perfusion of the isolated rat brain with [^{14}C]-Δ^1-tetrahydrocannabinol. 367588
Preliminary polarization results at Fermilab energies. (COO – 2009-128) 364571
Martin, B.R.
Anti KN interactions in the resonance region. III. 353869
Martin, C.
High-current plasma accelerator for the investigation of plasma wall interaction. 350899
Superconductivity in sputtered $CuMo_6S_8$. (N – 77-20206) 357388
Martin, D.
Some limitations on the use of the assumption of thermal equilibrium between phases: a comparison between theory and experiments on simple water filled systems. 376509
Martin, D.F.
Managing engineering to meet construction requirements. 358226
Martin, D.G.
Some studies of the effect of irradiation on the neutron small angle scattering from graphite. 365240
Martin, D.G.E.
Relative measurement of the quadrupole moments of the first excited states of the even isotopes of Ru, Pd and Cd. 366995
Martin, D.J.
Re-analysis of dysprosium magnetostriction. 356014
Martin, D.S.
Spectroscopic study of the $Tc_2Cl_8^{3-}$ ion. 362231
Martin, E.R.
Applications of the absorption-edge densitometry NDA technique to solutions and solids. (LA-UR – 77-1416) 358587
Martin, F.
Measurement of the electron – deuteron elastic scattering cross section in the range 0.8 less than or equal to q^2 less than or equal to 6 GeV^2. (SLAC-PUB – 1596) 361869
Martin, F.M.
Environmental aspects of the transuranics: a selected, annotated bibliography. (ORNL/EIS – 91/V8) 357529
Martin, F.W.
Soft x-ray spectra of boron and carbon excited by 10 to 40 MeV C, N and O ions. 348706
Martin, Georges
Fundamental aspects of the evolution of, and phase changes in, metals and alloys under irradiation. (CEA-CONF – 4014) 370188
Martin, Gilbert
Improvements to nuclear reactors. 360804
Martin, H.
Some comments about a static-localized solution for the massive Thirring model. 371371
Martin, I.M
Increase in γ-ray flux at balloon altitude during magnetic disturbances. (INIS-mf – 4115) 365328
Martin, I.M.
Calculation of the energy spectrum of atmospheric gamma-rays between 1 and 1000 MeV. (INIS-mf – 4114) 365329
Martin, J.
Device to contain semiconductor material to be doped where the doping is carried out in the reactor. (German (F.R.) patent document 2524378/A/) 354601
An electrostatic high-gradient accelerator for hydrogen cluster ions. 355200
New limit on the decay $\mu^+ \rightarrow e^+\gamma$. 372516
Photoproduction of negative pions on D and ^{4}He in the $\Delta(1236)$ region. (LYCEN – 7702(pt.1)) 369460
A search for neutral heavy leptons. 356514
A set of programs to process radioisotopic functional explorations by computer. 360377
Martin, J.A.
Design status of a separated-sector cyclotron booster accelerator for the Holifield Heavy Ion Research Facility. (CONF-770313 – 82) 365752
Martin, J.C.
Million volt repetitive spark gaps. (EPRI-ER – 376-SR) 361590
Martin, J.F.
Electron-muon and electron-hadron production in e^+e^- collisions. 366879
Martin, J.G.
Experiment in undergraduate education: the fusion design team. 377479
Safety training as a means of reducing overexposures to radiographers. 379059
Two-dimensional finite element calculational methods for plasma diffusion in low-beta devices. 364193
Martin, J.M.
Nickel-base alloys for nuclear process heat applications. 360870
Martin, J.P.
Decomposition in soil of specifically carbon-14-labelled DHP and corn stalk lignins, model humic acid-type polymers and coniferyl alcohols. 357660
Studies on soil humic compounds, fungal melanins and model polymers by pyrolysis mass-spectrometry. 356945
Study of the applicability of ^{3}He/^{4}He ratio for uranium prospecting. Final report. (GJBX – 58-(77)) 373411
Martin, J.R.
Radioactive krypton gas separation. (US patent document 4,045,191/A/) 368374
Martin, M.
Amplitudes and exchange mechanisms for K* resonances produced by the reactions $K^+p \rightarrow K^{*+}p$ at 10 GeV/c. 356488
Martin, M.C.
The change in electrical resistivity with plastic deformation for niobium. 354534
Martin, M.H.
Cadmium tolerance of Holcus lanatus from a site contaminated by

aerial fallout. 360309
Martin, M.J.
Nuclear data sheets for A = 184. 351389
Standardized radioactive decay data sets for use in radiation dosimetry. (IAEA-SM – 222/51) 379099
Martin, P.
The giant resonance region of ^{90}Zr via elastic scattering of 57.5MeV polarized protons. (ISN – 77-28) 359514
Giant resonances as doorways states in ^{12}C. (ISN – 77-43) 369476
Program description and users manual for the HEDO 2 magnetic field computer program. (IPP – III/34) 350900
Martin, P.G.
The nature of dust grains. 356286
Martin, P.J.
Differential cross sections and coherence effects for excitation of K in collisions with N_2 and CO. 353282, 377050
Quantitative surface analysis using ion-induced secondary ion and photon emission. 354302
Study of the line width of spectral lines emitted from atoms ejected by ion bombardment. (INIS-mf – 3996) 364073
Martin, P.W.
Nuclear orientation of ^{206}Bi in nickel. 356832
Martin, Philippe
Design and manufacture of electron guns for welding. (CEA-R – 4842) 355111
Martin, R.
Pellet fusion by high energy heavy ions. 363176
Martin, R.J.
Epoxy resin based tissue substitutes. 360551
Martin, R.L.
Effects of depolarizing resonances on a circulating beam of polarized protons during acceleration or storage in a synchrotron. 363187
Implosion of advanced fuels using high energy heavy ions. (CONF-770644 – 2) 356138, 371939
Longitudinal and transverse space charge limitations on transport of maximum power beams. 363274
Polarized proton acceleration at the Zero Gradient Synchrotron. (CONF-770709 – 5) 363298
Prospects for ion beam fusion. (CONF-770709 – 4) 350901
Martin, R.M.
Collisional energy dependence of Penning ionization and dissociative fluorescence of CS_2 by metastable argon. 368630
Martin, S.J.
Low energy γ-ray observation of NGC4151. 359075
Martin, T.H.
Sandia Laboratories: particle beam fusion research. 358944
Super power generators. (SAND – 77-1324c) 367975
Martin, T.S.
Uranium favorability of late Eocene through Pliocene rocks of the South Texas Coastal Plain. (GJBX – 7(77)) 373418
Martin, W.E.
NADAC and MERGE: computer codes for processing neutron activation analysis data. (UCRL – 52249) 362126
Performance of the short-pulse oscillators for Argus and Shiva. (UCRL – 79535) 377460
Portsmouth Gaseous Diffusion Plant environmental monitoring report for calendar year 1976. (GAT – 914) 362978
Martin, W.J.
Distribution of fission products in Peach Bottom HTGR fuel element E14-01. (ORNL/TM – 5730) 363474
Fission product behavior in the Peach Bottom HTGR. (CONF-770929 – 6) 368177
Martin, W.R.
Finite element solutions of the neutron transport equation with applications to strong heterogeneities. 352443
Martincic, R.
A system for stabilizing the gain of a scintillation spectrometer using a light-emitting diode and a processor in feedback. 371173
Martinek, B.
The cosmic ray record in the San Juan Capistrano meteorite. 374906
Martinek, K.
Safety features in the design of the plutonium laboratory of the Nuclear Research Institute (NRI). 362865
State and tendencies of chemical protection against ionizing radiation. (SAAS – 221) 365398
Martinekas, B.P.
Electronic structure and spectra of rare earth monochalcogenides. (INIS-mf – 3955) 362149
Martinelli, P.
Measuring head for the semi-automatic analysis of ore samples and industrial solutions. 375308
Martinen, H.
Arrangement for simultaneous and continuous determination of radioactive and of total reactive foreign matter in inert gases during flow. Pt. 4. 366053
Martinez-Duart, J.M.
Study of the impurities in tantalum and anodic tantalum oxide by Auger electron spectroscopy. 369561
Martinez Martinez, A.
Experience gained and technology developed by the Spanish Nuclear Energy Board (JEN) in radioactive waste management. 358462
Spanish programme for disposal of radioactive wastes. 368402
Martinez Piquer, T.A.
Physical properties of liquid sodium. (JEN – 389) 367310
Martinez-Val, J.M.
Core-state models for fuel management of equilibrium and transition cycles in pressurized water reactors. 363455
Martinez, A.
Simulation of some results of radiation-enhanced diffusion. 354623
Martinez, J.
Structure of triode sputtered tantalum films on glass substrates. 369916
Martinez, J.D.
Evaluation of hydrologic isolation from evidence in mine openings in igneous and metamorphic rocks in the Maritime Provinces of Canada. (ORNL/Sub – 4415) 380055
Martinez, V.
Phase transformations of the ZrNb3Sn1 alloy. 359874
Martini, W.R.
Stirling/hydraulic artificial heart power source. 379393
Martinot, G.
CAS medium-size nuclear plants. 371072
Small- and medium-power pressurized water reactors for the production of electricity and/or heat. 376522
Martins, A.N.
Delayed radiation necrosis of the brain. 379070
Martins, J.B.
(γ,n) reactions in complex nuclei at intermediate energies. 354177
The ^{16}O (γ,4p5n) ^{7}Be reaction as a monitor of intermediate-energy bremsstrahlung doses. 364589
Analysis of intermediate-energy (γ,n) reactions in complex nuclei. (CBPF – A0026/77) 364671
Cross sections of (γ, xn) reactions in complex nuclei at intermediate energies. 356744
Experimental evidences of spontaneous and low-energy induced emission of heavy ions from even-even heavy nuclei. (CBPF – A0025/77) 364755
Photodisintegration of light and medium-weight nuclei at intermediate energies. 4. (CBPF – A0027/77) 364678, 375168
Some remarks on ^{13}N photoproduction from ^{16}O and ^{19}F at intermediate energies. 354234, 364588
Martins, M.N.
Measurement of delayed neutrons in the photofission of ^{238}U e ^{232}Th. 354240
Multipolarities of nuclear transitions involved in the one neutron disintegration of ^{238}U. 359507
Martins, R.A.
Pressure on the solar corona. 363850
Martinska, G.
Inclusive spectra in anti pp interactions at 22.4 GeV/c. 353941
Martinson, I.
Energy levels and transition probabilities in Mo XIV. 366329
Oscillator strengths for some Mn II lines and the solar Mn abundance. 366727
Martinson, Z.R.
Fuel rod microstructural changes associated with Post-DNB operation during power-cooling-mismatch (PCM) conditions: the PCM-2A test. 360480
Martkoplishvili, G.M.
The influence of lithium impurities on the character of recovery of electrical resistance of irradiated aluminium. 360055
Martone, M.
An experimental check of the electron distribution function in a current carrying plasma. 366491
Martone, R.J.
Scintillation camera with improved light diffusion. 358378
Martonen, T.B.
Improvements in deposition models for estimating dose distribution from inhaled aerosols. 360331
Martres, M.-J.
Electrons in the solar corona. II. 353673
Martres, M.J.
Active regions, ch. 7. 369157
Martyn, H.-U.
Evidence for the F meson. 353947
Measurements of tau decay modes and a precise determination of the mass. 372505
On the origin of inclusive electron events in e^+e^- annihilation between 3.6 and 5.2 GeV. 353772
Martyn, H.U.
On the semileptonic decay of charmed hadrons. 356496, 364566
Martynchik, Yu.F.
Interferon effect on radiosensitivity of cells. 360237
Therapeutic action of negative unipolar aeroionization on irradiated mice. 379028
Martynenko, L.I.
pH-metric and spectrographic investigation of neodymium hydrazinediacetates in aqueous solutions. 351536
Martynenko, S.A.
Influence of zirconium on technological properties of the welding wire Sv-08G2S. 349489
Martynenko, T.P.
Temperature dependence of copper sputtering coefficient. 374786
Martynenko, Yu.V.
Effect of ion doping on the blistering in OKh16N15M3B steel. (INIS-mf – 3954) 362533
Study on the blistering when the helium ion spectrum is close to one expected in CTF. (INIS-mf – 3954) 364027
Vacuum-physical conditions effecting on selection of a material for a first wall and diaphagm of the T-20 demonstration thermonuclear reactor-tokamak. (IAE – 2545) 356111
Martynov, A.D.
Flow rate distribution over parallel channels in the model of water-water reactor with natural circulation. (FEI – 616) 358215
Flow rate measurements by the cross-correlation of thermocouple stochastic signals in circuits with natural convection of a

coolant. 379992
Martynov, E.S.
Dual analytical model for pomeron. 6. 361818
The dual analytical model for the pomeron. I. 353855
The dual analytical model for the pomeron. 2. 353856
Rescattering in the dipole pomeron model. 361826
Martynov, G.V.
Investigation of recombination luminescence of CdF_2-rare earths monocrystals. (INIS-mf – 3955) 362156
Martynov, S.A.
Viscosity characteristics of alloyed iron melts. 369899
Martynov, S.Z.
Spreading of iron-nickel alloys on ZrC and nickel-cobalt alloys on ZrN. 349475
Martynov, V.M.
Investigation of temperature dependence of diamagnetic susceptibility. Effect of different additions on electronic structure of carbonic fibers. 378376
Martynov, Yu.I.
Effect of the features of γ-spectrometric detectors on the threshold sensitivity of nuclear physical methods in elemental analysis of samples of rocks and ores. 354685
Martynov, Yu.P.
Development of methods of solidification and burial of radioactive wastes from the fuel cycle. 368405
Management of wastes from fast reactor fuel reprocessing. (IAEA-AG – 63-22) 363670
Martynova, O.I.
Analysis of effect of porous depositions on impurity concentrating in steam generating channels. 376318
Investigation into formulation of iron corrosion product deposition on the surfaces of steam generating channels. 365084
Martynovich, E.F.
Recombination luminescence of lanthanum chloride activated by rare earth ions. (INIS-mf – 3955) 377231
Spectral transformation of radiation in lanthanum chloride monocrystals activated by praseodymium and neodymium. (INIS-mf – 3955) 378281
Martynyuk, M.M.
Determination of critical temperature of metals using ellectric exploding of conductors under pressure. 359957
Martyshova, T.I.
Investigation and application of some organic phosphorus compounds as reagents in analytical chemistry. (INIS-mf – 4192) 375347
Martz, H.F. Jr.
Gamma prior distribution selection for Bayesian analysis of failure rate and reliability. (LA – 6879-MS) 353017
Statistical analysis and planning of multihundred-watt impact tests. (LA – 6886-MS) 373944
Martzolff, M.
Three-body force contribution in nuclear matter via perturbation and proper Brueckner calculation. 356602
Maru, Akira
Nuclear fuel element. 368038
Marucci, G.
CNEN program on advanced LMFBR fuels. 379740
Maruhashi, Akira
Report of radiation safety control, 5. (INS-TS – 16) 367831
Maruhn, J.
The asymmetric two-center shell model and mass distribution in fission. 354088
Theory of fragmentation dynamics in nucleus-nucleus collisions. 375108
Maruhn, J.A.
Fluid-dynamical model for heavy-ion reactions in three dimensions. (CONF-770602 – 2) 356628
Time-dependent Hartree – Fock theory: application to the ^{14}N + ^{12}C reaction. (CONF-770987 – 2) 377914
Marunya, M.S.
On raising of the Curie temperature of the EuO magnetic semiconductor. 374685
Marusic, M.
Cooperation of nonsyngeneic tolerant lymphocytes: genetic restriction. 362672
Marusin, V.D.
Determination of cross sections of helium-ion charge exchange on cadmium atoms. (INIS-mf – 3915) 348651
Maruthamuthu, P.
In situ photolysis-electron spin resonance study of some reactions of phosphate radicals. 364974
Reactions of phosphate radicals with organic compounds. 351643
Maruyama, A.
Sodium compatibility and corrosion tests for component materials. (CONF-760503 – P2) 352716
Maruyama, Hiromi
Boiling water reactor. 350207
Power distribution control device. 368060
Maruyama, M.
Ion wave excitation by radiation pressure in a plasma waveguide. 372044
Maruyama, Minoru
Possibility of filamentation instability in plasma. 358984
Reflection of high power pulsed microwave incident on a plasma. 353597
Maruyama, Takashi
Cell inactivation effects of fast neutrons produced by NIRS cyclotron. 349706
Estimation of population doses from chest mass screening, 1975. 373893
Estimation of population doses from stomach mass screening, 1975. 379337
Maruyama, Y.
Effect of pelvic inflammatory disease on enteric complications following radiation therapy for cervical cancer. 362711
Maruyama, Yoshio
Design of shielded voltage divider for impulse voltage measurement. 350363
Marvaldi, J.
On the control of ribosomal protein biosynthesis in Escherichia coli. 354953
On the control of ribosomal protein synthesis in Escherichia coli. 360396
Marville, C.
Model nuclear matter calculations in several Brueckner and Green's function theories. 369428
Nuclear optical model potential in the Λ_{10} approximation. 377915
Marwick, A.D.
The effect of irradiation and sputtering on the near-surface composition of dilute alloys. (INIS-mf – 3996) 377242
Marx, D.
Device for guiding a subthermal neutron beam and focussing device made of micro-neutron guides. (German (F.R.) patent document 1803806/B/) 355486
Range and range straggling of heavy ions in solids. 364774
Marx, G.
Solar neutrinos – cosmological neutrinos. 353697
Transport behaviour of alkali halogenides and uranyl salts in lower aliphatic alcohols. (AED-Conf – 77-389-002) 375647
Marx, K.D.
Particle distributions and early phases of ionization in proposed convergent neutral-beam experiments. 358980
Marx, M.
New scheme for the design and operation of proton – proton storage accelerators. (BNL – 22926) 374054
Marzari-Chiesa, A.
Strange particle production by antineutrinos. 356505
Marzilli, M.
Regional myocardial perfusion in patients with atherosclerotic coronary artery disease, at rest and during angina pectoris induced by tachycardia. 360381
Marzocchi, A.
Experience on the application of safeguards systems to Italian nuclear power plants. 371288
Marzotto, A.
Uranyl complexes of glutathione. 369751
Masai, Kenji
A case of double cancer of the liver (hepatoma and cholangioma) caused by accumulation of thorotrast. 349788
Masani, A.
Galactic ^4He and heavy elements enrichment by stellar nucleosynthesis. 372131
Mascarello, J.M.
Industrial method of hydrogen production. 357040
Mascarenhas, S.
Structured water in lyzozyme. 364934
Maschek, T.
Nuclear medicine instruments produced by GAMMA Works. (INIS-mf – 4017) 374342
Maschek, W.
Comparative analysis of a hypothetical loss of flow accident in a LMFBR using different computer models for a common benchmark problem. 371051
Safety analysis aspects of a 2000 MWe LMFBR core. (CONF-761001 – P1) 363022
Mascheroni, P.L.
Transport during turbulent heating in a tokamak. 350902
Maschke, A.W.
Novel method of charging an accumulator ring. (BNL – 50672) 363299
Maschke, E.K.
Relaxation oscillations in MHD-unstable plasmas. (INIS-mf – 3963) 374839
Mascini, M.
Potentiometric determination of azides by the aid of special electrodes. (KFK-TR – 535) 354282
Mascureau, J. de
Anomalous resistivity and subsequent fast particles in the plasma focus. (INIS-mf – 3963) 371752
Mase, A.
Measurements of dispersion relation of waves in a turbulently heated plasma by microwave scattering method. (IPPJ – 291) 366590
Observation of current driven ion sound wave in a turbulently heated plasma (the MACH II). 356078
Observation of current-driven ion sound wave in a turbulently heated plasma (THE MACH II). (IPPJ – 274) 353506
Mase, Hiroshi
An experimental study on mass separation by plasma centrifuge. 354339
Masek, G.
A measurement of the form factor ratio gsub(1)/fsub(1) in lambda beta-decay. 369363
Masek, G.E.
Search for narrow resonant states in e^+e^- collisions near 6 GeV. 351208
Masello, J.F.S.
Increase in the corrosion resistance through precipitation in zircalloy – 4. 351793

Maselter, H.
Remotely controlled computer-guided preparation facility for X-ray fluorescence measurement samples at a fuel reprocessing plant. 354470
Maseri, A.
Regional myocardial perfusion in patients with atherosclerotic coronary artery disease, at rest and during angina pectoris induced by tachycardia. 360381
Masetti, M.
Automatic analysis of BEBC pictures using the flying spot digitizer. 355497
Mashaal, S.F.
Laboratory, greenhouse and field methods for screening rust-resistant wheat cultivars. 373750
Mashburn, D.N.
Traversing probe system. (US patent document 4,016,768/A/) 373911
Mashchenko, V.E.
Photoelectric current and electroreflection of defect crystals of cadmium selenide. 359652
Mashhoon, B.
Tidal radiation. 359124
Mashin, A.I.
Inhomogeneity of amorphous layer produced by ion bombardment of a semiconductor. 371601
Mashinskaya, S.Ya.
Application of phenyl-glicolic acid for rise of sensitivity of polarographic determination of titanium and molybdenum. (INIS-mf – 4192) 375241
Mashinskij, V.I.
Catalytic hydrocondensation of carbon oxide with olefins and their hydropolymerization under carbon oxide and hydrogen action. 375502
Mashkarov, S.
Quantitative investigation of some trace elements in renal stones by neutron activation analysis. 369538
Mashkarov, Yu.G.
Analysis of polarized-proton elastic scattering by ^{9}Be nuclei in the R-matrix theory frameworks. 362009
Multi-channel scattering chamber for polarization studies. 357922
Study on the polarization effects in proton elastic scattering on ^{7}Li, ^{9}Be, ^{11}B nuclei near the (pn) reaction threshold. 377916
Mashkarova, V.T.
Recrystallization of yttrium and dysprosium. 378704
Mashkova, G.I.
Second-sphere complexing of some cobalt(3) aminates with molybdate- and tungstate-ions in aqueous solutions. 351526
Thermodynamics of molybdate and tungstate second-sphere complexes of some cobalt(3) aminates. 359659
Mashkova, L.P.
Catalytic reduction of maleic acid on ruthenium electrode-catalyst in excess of hydrogen. 369671
Mashkovich, L.A.
Use of bichromate-sulfuric acid system for study of reactive capacity of carbon materials. 367102
Mashkovtsev, R.I.
Radiation excited triplet states in quartz. (INIS-mf – 3955) 378815
Mashneva, N.I.
Mathematical models of strontium 90 behaviour in "water-fresh water fish spawn" system for some particular cases of radionuclide incorporation into the organism. 349802
Mashonkin, V.P.
Crystal structure and thermal stability of monoclinic tetrahydrates of rare earth perrhenates. 369672
Crystal structure of lanthanum perrhenate $La(ReO_4)_3.4H_2O$. 349261
Scheme of hydrogen bonds in lanthanum perrhenate tetrahydrate $La(ReO_4)_3x4H_2O$. 359653
Mashovets, T.V.
Point defects in germanium: reliable and questionable. 370189
Variations of the energy spectra of the impurity atoms in InSb under 4.2 K gamma irradiation. 370190
Masi, C.W.
Autoradiographic study of the penetration of radiolabelled dextrans and inulin through non-keratinized oral mucosa in vitro. 373581
Masja, Mudiar
Comparison between n paraffin and kerosene as TBP diluent in uranium extraction. (PPGM – L112-76) 365027
Maskewitz, B.F.
Computer codes and data available from the Radiation Shielding Information Center. 361949
RSIC after 14 years – where do we go from here. 370635
RSIC after 14 years: where do we go from here. (CONF-770401 – 27) 351261
Maslen, E.N.
Electron-density studies. I. 371664
Maslenkov, S.B.
Effect of ultrasonic treatment of liquid melt on micro-chemical inhomogeneity and plasticity of nickel base heat resisting alloys. (INIS-mf – 3914) 349523
Maslennikov, E.A.
Light impurities in a tokamak plasma. (IAE – 2586) 368967
Vacuum conditions at Tokamak-10. 368948
Maslennikov, Yu.I.
Structure of the Bi-Sn, Bi-In and Ga-Sn eutectic melts investigated by electron diffraction. 375877
Maslennikova, I.S.
Infrared spectra of α-naphthyl-amine complexes with some salts of transition metals. 359654
Maslenok, B.A.
Device for preventing spontaneous repositioning of a control element of a nuclear reactor. (German (F.R.) patent document 2219951/B/) 355351
Maslinenko, Yu.S.
Calculation of non-stationary operating conditions of extraction cascade. 357041
Maslov, A.M.
Measuring the bimetal plates sagging under high-temperature heating. 358020
Maslov, A.V.
Stability of current magnetic structure relative to external helical perturbations. 361587
Maslov, B.V.
Lighting equipment with the DRSh-1000 and PRK-7 mercury-quartz lamps for radiation chemistry. 370724
Maslov, E.I.
On state of platinum metals in solutions during chlorination of alloys, oxides and sulfides containing nickel. 351565
Maslov, L.I.
Fatigue crack growth kinetics in steels, titanium and nickel alloys. 375860
Maslov, N.I.
Lifetime dependence of excess carriers on the intensity of their excitation by accelerated electrons. (KFTI – 75-35) 353397
Maslov, O.D.
Instrument neutron activation analysis of geological and biological objects by means of electronic computer. (JINR – 14-8562) 349194
Maslov, S.A.
Critical phenomena in catalyzed oxidation of aldehydes. 357069
Maslov, V.P.
Electrode processes during niobium refining in chloride-fluoride melts. (INIS-mf – 4189) 375488
Generalized measures and the Feynman path integral. 348601
Maslova, A.V.
Mastering of fabrication technology of titanium thin-walled sections. 351712
Maslova, L.V.
On the possibility of thermal neutron detection by cadmium telluride detectors. 379958
X-ray CdTe detectors. 376642
Maslova, N.D.
On solidification kinetics of bath in pulsed arc welding of sheet materials. 375795
Maslova, N.S.
Plastic deformation and fracture behaviour of high-strength steels under tensile stresses. 375836
Maslowski, J.
The Green Bank surveys at 1400 MHz. 366728
Maslyaev, P.F.
Ionization dosemeter. (Soviet patent document 440622/A/) 355509
Maslyaev, P.Z.
Comparative study of the absorbed dose rate of mixed gamma and neutron radiations in the WWR-M reactor experimental channel for biological studies. 379381
Maslyak, N.T.
Structure and properties of tein telluride-zinc telluride films. 375834
Maslyuk, V.T.
Energy spectrum and electrical properties of strong-anisotropic crystals with "covalent bridges". 366393
Masnou-Seeuws, F.
Model potential calculations of akali rare-gas interaction. 353376
Model potential calculations of alkali rare-gas interaction. 377138
Mason, A.S.
Atmospheric HT and HTO, 1975 – 1976. Tritium Laboratory data report No. 7. (ORO – 3944-14) 360202
Mason, D.P.
Analogs in general relativity of Ferraro's law of isorotation. 363809
Mason, D.T.
Evaluation of myocardial uptake of /sup 99m/Tc pyrophosphate in clinical exercise-induced ventricular ischemia. 360368
Mason, E.A.
Experience in transfer of nuclear regulatory and safety technology. 352966
NRC and the nuclear safety community. 360460
Regulatory requirements for radiation protection. 368466
Mason, E.W.
Thyroid radiation dose during panoramic and cephalometric dental x-ray examinations. 362696
Mason, F.
Reloadable graphite creep facility for tensile or compressive experiments. 360105
Mason, G.E.
Delays in nuclear power plant construction. Progress report, September 15, 1976 – September 14, 1977. (COO/4121 – 1) 365849
Mason, G.M.
Age of the galactic cosmic rays derived from the abundance of ^{10}Be. 369397
Mason, G.R.
Measurement of the π→eupsilon branching ratio. (INIS-mf – 4267) 377792
Mason, G.W.
Measurement of light emission from remote cosmic-ray air showers. 365315
Process for separation of the rare earths by solvent extraction. (US patent document 4,016,237/A/) 372896
Mason, J.H.
Superconductive transition metal carbonitride fibers and method for the preparation thereof. (US patent document 3,951,870/A/) 357355

Mason, J.T.
Preparation and characterization of sodium and transition metal double oxides. (CONF-760503 – P2) 352787
Mason, K.O.
Copernicus observations of a number of galactic x-ray sources. (CONF-7510169 –) 364302
Some features of the x-ray source on Cyg X-3. (CONF-7510169 –) 364372
X-ray observations of 3U 1700-37. (CONF-7510169 –) 364373
X-ray variability of Vela X-1: 3U0900-40. (CONF-7510169 –) 364295
Mason, P.
Experiments on the properties of superfluid helium in zero gravity. 359207
Mechanisms in anti pp annihilation. 369390
A search for the I peak at 2.60 GeV/c^2 in 12 GeV/c anti pp interactions in the CERN 2m HBC. 377781
Study of the reaction anti pp → anti pωp at 9.1 GeV/c. 372537
Mason, W.P.
Internal friction of metal spheres showing the effect of the anisotropy of the component metals. 365168
Masperi, L.
A critical pomeron's view of the total and triple-Regge inclusive cross sections. 353787
Massalski, T.B.
Specific heat of Au-Cd α and zeta alloys in the range between 1.5 and 4.2 °K. 367230
Massam, T.
Search for fractionally charged particles produced in proton-proton collisions at the highest ISR energy. 361873
Massand, O.P.
Beta dose due to monazite sands of Kerala. (BARC – 929) 373895
Massari, P.U.
Clinical significance of /sup 99m/technetium sulfur colloid accumulation in renal transplant patients. 357643
Massaro, G.G.G.
Results of the analysis of 3.10^6 bubble chamber photographs: two-particle reactions in the 4.2 GeV/c K^-p-experiment. (INIS-mf – 3946) 351225
Masse, R.
Effects of chronic and continuous low-dose rate gamma exposure on the life span of athymic nude and heterozygous mice. 354785
Pulmonary tumors induced in the rat by the internal α irradiation; target cells and sensitive cells. 354774
Massey, J.B.
Clambda values. 376223
Massies, J.
Molecular beam system controlled by quadrupole mass spectrometer. 350607
Massignon, D.
Developments on uranium enrichment processes in France. 367846
Evolution of uranium isotope separation methods in France. (ERDA-tr – 293) 357853, 363059
Massignon, Daniel
Procedure and device for the chemical analysis of a sample, using secondary electron energy spectrum analysis. 361044
Procedure and device of electron microscopy intended for modulating the intensity of the primary electron beam. 371117
Massikas, J.N.
Improving regulatory effectiveness in Federal/State siting actions. State regulatory activity involved in need for power. Final report. (PB – 269387) 366178
Massmann, K.
The validity of an integral representation of the semiclassical S-matrix for multiple coulomb excitation of heavy-ions. 375091
Masson, Herve
Contribution to studying of uranyl nitrate transfer during extraction by TBP. (CEA-R – 4820) 354476
Masson, M.
Graphite high temperature creep rigs. 360749
In-pile creep measuring rigs for metallic specimens. 360750
Irradiation creep of two reactor-grade graphites measured continuously between 850 and 1100°C. 370170
Masson, Maurice
In-pile creep study on mixed oxide (U, Pu)O_2. 360068
Masson, Paul
Comments on the consequences of the setting up of a nuclear power plant. 354998
Massot, J.N.
Study of completely continuous non-local potentials. 355800
Massow, R. von
Corrosion product stability in high temperature aqueous systems – deuterium isotope effects. 362311
Massue, J.P.
Dosimetry of cosmic particles in nuclear emulsions for the Apollo 16, 17 and Apollo-Soyouz-test-project experiments (1972-1975). 360541
Mast, F.
Toroidal confinement with reduced energy losses in Belt-Pinch IIa. (INIS-mf – 3963) 371743
Mast, G.B.
Integrated infrared intensities of the fundamental vibrations of acetylene, acetylene-d_2 and effective charges. 364975
Mast, T.S.
Electron-muon and electron-hadron production in e^+e^- collisions. 366879
Mastalka, A.
Application of instrumental neutron activation analysis in determining additions and impurities in copper from archeological finds. (INIS-mf – 4143) 372897
Determination of the chemical composition of glauconites by instrumental neutron activation analysis. (INIS-mf – 4143) 372900
Determination of trace elements in soils by instrumental activation analysis. (INIS-mf – 4143) 372899
Determination of trace elements in the atmosphere. (INIS-mf – 4143) 372898
Possibilities of instrumental activation analysis in Nuclear Spectroscopy Department of the Institute of Nuclear Physics of the Czechoslovak Academy of Sciences. (INIS-mf – 3961) 349177
Processing the results of activation analyses. (INIS-mf – 4143) 372854
Mastan, I.
The primary processes by impact of ionizing radiations with water. 378453
Mastera, S.
Cryogenic separation of krypton and xenon from dissolver off-gas. 358471
Mastera, S.G.J.
Vapour-liquid equilibrium data from gas mixtures of Ar-N_2, Kr-Ar, Kr-N_2 and Xe-Kr and the liquidus-lines of solid xenon and of solid krypton in liquid air-component-mixtures. (JUEL – 1380) 351527
Masters, C.J.
The uptake and release of ^{18}F by rat liver. 365438
Masters, R.
FOE puts its case to the Windscale Inquiry. 357797
Sodium test rigs for Britain's commercial reactor. 358293
Masterson, R.
Analysis of the feasibility of implementing an implicit temporal differencing scheme in the SUPERENERGY code. (COO – 2245-35TR) 379783
Masterson, R.E.
Efficient multidimensional numerical method for the thermal-hydraulic analysis of nuclear reactor cores. 363459
Mastop, W.J.
Local electron density measurements in a screw pinch by means of a Michelson interferometer. (Rijnhuizen – 76-96) 356113
Mastryukov, B.S.
Change in the blackness grade of heat resisting alloys during heating in air. 370001
Mastryukov, V.S.
Dependence between vibration amplitudes and internuclear distances. 348707, 349262
Masud, S.Z.
Comparative study of insecticide residues in rice plants. 379160
Masuda, Hiroyuki
Method of controlling power of a heavy water reactor. 368061
Method of controlling power-up in a reactor. 368055
Pressure tube type reactor. 350192
Masuda, K.
Heavy-dose ion implantation. 370191
Masuda, Kouji
Epilation in rats after single and multifractionated gamma-ray exposure. 354783
Masuda, M.
Flicker suppressor by thyristor. 363300
Harmonic current ac filters at a large accelerator. 374087
New method to scale down an operation of a large accelerator power supply. 363345
Superconducting magnetic energy storage. 357978
Masuda, Makihiko
Application of the theory of stoichiometric number determination of the rate-determining step. 359655
Masuda, Masayoshi
The dynamic filters for KEK main ring quadrupole magnets. (KEK – 76-20) 355205
Masuda, N.
Energy distribution of secondaries in proton-nucleus collisions at very high energies. 354235
Masuda, Naohiko
On the similarity of pion- and proton-induced nuclear reactions at high energies. 359291
Masuda, Yoshito
Quantitative determination of benzo[a]pyrene in foodstuffs using benzo[a]pyrene[G-^3H]. 378144
Masuda, Yukiya
Analog type control rod position indicator. 368062
Masumoto, T.
Structural changes in amorphous $Pd_{80}Si_{20}$ by neutron irradiation. 351886
Masumoto, Tsuyoshi
Neutron irradiation effects in amorphous Pd-Si alloy. 373352
Masuoka, Tadamichi
Computerized voiding cystography, using sup(99m)Tc-(SN)-DTPA and gamma-scintillation camera. 349858
Masuoka, Toshio
Comparison of radiometric standards in the far ultraviolet region. 355626
Masursky, H.
Voyager imaging experiment. 374966
Masuzaki, Masaru
Landing of REB ring on equilibrium orbit. (IPPJ – 261) 353595
Matakov, V.I.
Nanosecond electron accelerator. 370776
Matal, O.
Testing of N 205 antifriction bearings in hot liquid sodium. 365983

Matangin, K.M.
Devices for reducing subsidiary time and danger when performing operation on steel radiography. 367889
Matauschek, K.
Semi-conductor probe for eye carcinomas diagnosis. (INIS-mf - 4017) 374295
The semiconductor detector probe 72030, with the RFT radiation measuring unit 20026, for the diagnosis of intraocular tumors. 355500
Matausek, M.
Nuclear fuel burnup calculation in a Voronezh type reactor. 379659
Matausek, M.V.
The nuclear fuel cycle for research and power reactors. 369844
Matchinova, G.P.
On the problem of natural radioactivity interpretation on the oil-gas fields. 376018
Mateeva, A.
Software structure for the IBR-2 measuring module. (JINR - 10-9060) 366212
Mateiciuc, V.
A few remarks on the dependence of GAMMAsub(n)sup(0) on the nuclear structure. 356678
Mateju, J.
The role of nuclear heat sources in district heating and electric power distribution systems. (INIS-mf - 4054) 368425
Matenko, J.
Betatron activation analysis of cupriferous flotation pulp. 355104
Mateosian, E. der
Lifetimes and g-factors of the 6^- and 7^- isomers in ^{66}Ga and ^{68}Ga. 377993
Materova, E.A.
On selectivity of ion exchange on crystalline antimonic-acid cationite. 349273
Matese, J.J.
Excitation of Be^+ by electron impact. (ORO - 4881-12) 368649
Mateshvili, Yu.D.
Photoelectron role in excitation of radiation in the upper layers of the earth atmosphere. (INIS-mf - 3915) 349675
Matevosyan, K.A.
On the measurement of momenta of the hadronic component of cosmic rays. (EFI - 210(2)-77) 379954
Mathelet, M.
The activity of mammalian polynucleotide ligase on X-irradiated DNA's. 376065
Mather, A.E.
Solubility of hydrogen sulfide in water. (AED-Conf - 77-163-004) 354349
Mather, D.J.
Some limitations on the use of the assumption of thermal equilibrium between phases: a comparison between theory and experiments on simple water filled systems. 376509
Mather, J.T.
Extraction of uranium from its ores. 357201
Mathern, G.
Usage properties of special steels for presurrized water reactors: influence of composition and of manufacturing parameters. 355411
Mathers, J.C.
Use of ^{35}S-incorporation for the measurement of microbial protein in ruminant digesta. 354894
Matheson, D.N.
Detection of the J = 9 → 8 transition of interstellar cyanodiacetylene. 356280
Matheson, M.S.
Photolytic and radiolytic studies of $Ru(bpy)_3^{2+}$ in micellar solutions. 378532
Polyelectrolyte effects on rates of hydrated electrons. 365064
Quenching and quenching reversal of tris(2,2'-bipyridine)ruthenium(II) emission in polyelectrolyte solutions. 367106
Radiolytic studies of reactions in the Zn^+ + Mn(III) system. 375709
Reaction of e/sub aq/$^-$ + H_3O^+. Concentration effects of acid or salts. 367166
Reaction of the precursor of the hydrated electron with electron scavengers. 351637
Transients in the flash photolysis of aqueous solutions of tris(2,2'-bipyridine)ruthenium(II) ion. 357166
Mathew, J.
A radiochemical study of the kinetics of ion-exchange on zirconium antimonate. 362198
Mathew, P.J.
Use of neutron capture gamma radiation for determining grade of iron ore in blast holes and exploration holes. 375977
Mathews, C.K.
Determination of magnesium at trace levels by isotope dilution. 364837
Lead tracer technique for the accountability of plutonium (LEADTRAP). (BARC - 904) 376848
Mathews, G.J.
Evidence for the characterization of heavy-ion reactions by the ratio E/B. 354236
Mathews, L.K.
Hatch-1 core management data magnetic tape transfer to central office. 358195
Mathews, R.W.
Reaction of the H atom in gamma-irradiated ferrous sulphate solutions. (AAEC/E - 413) 373067
Mathews, T.A.
Standardization facilitated by Duke's in-house capability for design and construction. 365894
Mathias, G.
Steam turbines. 365809
Mathiasch, B.
Tin-chalcogen heterocycles. 3. 349263
Mathie, F.M.
Operation of selected safety features of the Fort St. Vrain HTGR. 358262
Mathieson, E.
Noise measurements for voltage sensitive amplifier. 355605
Mathieson, T.A.
Inspection of nuclear reactor welding by acoustic emission. Technical data report May 1976 - March 1977. (PB - 268487) 363404
Inspection of nuclear reactor welding by acoustic emission, May 1976 - March 1977. (NUREG - 0035-3) 352472
Mathieu, G.
The flux of ^{226}Ra from estuarine and continental shelf sediments. 378896
Suspended particulates and natural radionuclides as tracers of pollutant transports in Continental Shelf waters of the Eastern U.S.A. (TID - 22790) 379217
Mathieu, G.G.
Uranium in open ocean: concentration and isotopic composition. 365308
Mathis, M.V.
Characterization studies of BWR-4 neutron noise analysis spectra. (CONF-770902 - 1) 368114
Identification of neutron noise sources in a boiling water reactor. (CONF-770902 - 4) 368125, 379643
Reactivity from power spectral density measurements with ^{252}Cf. (ORNL/TM - 5475) 358296
Matho, K.
Nuclear-induced resistivity drop in the Kondo alloy Au-^{171}Yb. 354518
Mathur-De Vre, R.
The effects of γ-irradiation on the hydration characteristics of DNA and polynucleotides. Pt. 3. 376066
Mathur, B.P.
Isotope fractionation in two-step photoionization of Li_2. 373923
Mathur, D.
Energy distributions of diatomic molecular positive ions in a drift tube. 368683
Resonances in hydrogen halides. 377077
Mathur, H.B.
Nuclear power for vehicular engines. 350410
Mathur, J.N.
Synergistic extraction of some trivalent actinides and lathanides by thenoyltrifluoroacetone and aliquat chloride. 359631
Mathur, R.B.
A new satellite in the L X-ray emission spectrum of lutetium-71. 358797
Mathur, S.C.
Cross sections, angular distributions, and magnetic substate populations in the ^{23}Na(n,n'γ) reaction. 364764
Matic, M.
Electron capture and loss by metastable and ground-state N^+ ions in collision with inert gases. 366379
Matichard, G.
Beam lines controls systems for SATURNE II. 363247
Matilsky, T.
Observations of A0620-00 by SAS-3. (CONF-7510169 -) 364288
Matin, A.
Problems and prospects of small and medium power reactors. 371236
Matinyan, S.G.
On the radiative corrections to classical lagrangian and dynamical symmetry breaking. 374577
Polarization phenomena in isobar production by a weak neutral current. 375026
Vacuum polarization induced by the intense gauge field. (EFI - 172(18)-76) 355797
Matlak, V.V.
Investigation into Ge behaviour in CdTe. 359986
Tunneling and avalanche processes in CdTe electroluminescent diodes. 348804
Matlock, R.G.
Method and device for the detection of a failed fuel element. (German (F.R.) patent document 2546034/A/) 350254
Matoba, M.
High power CO_2 laser system for plasma research (Lekko I). (IAEA - 200) 353600
High-power electro-ionization CO_2 laser system for thermonuclear research. 363114
Laser fusion research in Osaka. (IAEA - 200) 353656
Matoba, T.
Reduction of power loss due to heavy impurities in Diva. (INIS-mf - 3963) 372098
Matoba, Tohru
Diagnostic planning in JT-60 project. (JAERI-M - 7220) 366591
Evaluation of radiation cross sections of K x-rays and application to measurement of metal impurity densities in high-temperature plasma. (JAERI-M - 7196) 368971
FIR-interferometer for JT-60. (JAERI-M - 7121) 366563
An intrinsic germanium Ge(I) detector for measurements of soft x-ray spectra radiated from high temperature tokamak plasmas. 358972

Matolo, N.M.
Hepatobiliary scanning using /sup 99m/Tc – pyridoxylideneglutamate. 360382
Scintigraphy of the biliary system using ^{99}Tcsup(m)-pyridoxylideneglutamate (PG). 354961
Matone, G.
Hadron polarizabilities and quark models. (INFN-LNF – 77-9(R)) 369275
Nucleon polarizabilities and deep inelastic electron scattering. 364527
Matora, I.M.
Axisymmetric electron gun on energy 300 keV and current 250 A with laminar flow. (JINR-R – 9-10670) 376378
Behaviour of a laminar beam in a high-current electron gun while changing its parameters. (JINR-R – 9-9818) 376379
Pulse modulator for an experimental electron gun. (JINR – 13-9277) 360709
Pulse transformer for an electron gun. 363606
Theory of pulse shaping by a nonuniform forming line on an arbitrary load. (JINR – 9-9006) 357979
Matorina, N.N.
Application of sorption equilibrium dynamics for studing composition of complexes formed in separation process. 359590
Choice of holding ion in displacement ion exchange chromatography in the presence of complexing reagents. 375509
Matos, M.O.M.de
Wavefunction for the interstitial hydrogen atom in SrF_2. (PUC-TN – 23/75) 353466
Matsakova, A.A.
On the peculiarities of the formation of Nb_3Sn intermetallic compound in niobium-tin alloys. (KFTI – 75-33) 353738
Matschoss, V.
Experiments to detect the release of fission and activation products during core meltdown. 370523
Matsegorin, I.V.
Technique for study on the texture of internal surfaces of cylindrical bodies. (Soviet patent document 463897/A/) 368838
Matsinger, A.A.J.
On the possible existence of a thermopower in the superconducting state. 372338
Matskevich, E.S.
Study of kinetics of equilibrium cations exchange on oxidised carbon with use of radioactive indicators. 351495
Matskevich, T.L.
Spectral emissivity of a zirconium carbide-rhenium system. 364074
Matskova, N.
Changes in the deoxyribonucleoprotein content of the spleen and thymus of rats during continuous γ-irradiation. 362674
Matsson, L.
Infra-red divergence enforces a rearranged perturbation expansion. 363810, 363811
Long range correlations in forward quark-(anti-) quark scattering in QCD. 363812
Matsubara, J.
A comprehensive model for retention of exotic nuclides. 360325
Factors which alter the parameters for evaluating internal exposure. 354855
Matsubara, S.
'Biological dosimetry' and physical parameters relating to the exposed Japanese. 370387
Matsubara, T.
The effect of the pellet-cladding mechanical interaction on a nuclear fuel quality assurance system. 376438
Matsubara, Takashi
Some features of mutator genes, mutT, mutS and mutL, in Escherichia coli K-12. 373486
Matsubara, Yoshimi
The decay eta→$\pi^+\pi^-\pi^0$ and the u_3-term of the (3, anti 3)+(anti 3, 3) model. 353870
Matsubayashi, Takashi
Autoradiography with ^{201}Tl and our clinical experience. 367700
Matsuda, A.
Human c-peptide immunoreactivity (CPR) in blood and urine – evaluation of a radioimmunoassay method and its clinical applications. 352163
Matsuda, Akira
Sinterability and characterization of some UO_2 and PuO_2 powders. (PNCT – 831-76-01) 379784
Matsuda, H.
Influence of imperfect alignment of median planes on focusing properties. 355620
A stigmatic second-order, double-focusing mass spectrometer. 371181
Matsuda, H.T.
Evaluation of the irradiation products in the MTR fuel elements of the IEA-R1 reactor. (IEA – 466) 352796
Introduction to the study of the treatment of spent nuclear fuel. (IEA-TI – 41) 351690
A new technique for the synthesis of ammonium phosphomolybdate: precipitation in resin support. (INIS-mf – 4008) 351613
Matsuda, Hideharu
Detection of abnormal value due to uncleanness in thermoluminescence dosimeter element for personal monitoring, (1). 379347
Matsuda, Hiroaki
Potentiometric and polarographic studies on complex formation of cadmium(II) ion with ethylenediaminemonoacetic acid. 359672
Matsuda, Hisashi
High resolution on-line mass spectrograph. (KURRI-TR – 145) 379990
Recent ion optics and mass spectrometers. 355621
Matsuda, K.
Control and instrumentation system of the Zero Power Reactor at IEA, Sao Paulo (Brazil). (IEA-TI – 32) 352505
Studies of doublet plasmas in Doublet IIA. 358942
Matsuda, Kazuo
β-1,4-glucan occurring in homogenate of Phaseolus aureus seedlings. 349871
Matsuda, Masahisa
Second class current and anomalies in neutrino reactions. 353871
Matsuda, Nisaku
An interferometer for measuring Doppler profiles of ionized helium lines from hot plasmas. 366592
Matsuda, O.
Radiation-induced copolymerization of hexafluoroacetone with α-olefins. 378531
Matsuda, S.
Generalization of quark parton model – a study of sigmasub(L)/sigmasub(T) and large ksub(T). (RL – 77-117/A) 361813
Intermediate mass distribution of dual resonance Pomeron. (RL – 77-092/A) 349056
Matsuda, Setsuyuki
A 550kV full GIS for the Oi Nuclear Power Station of Kansai Electric Power. 350219
Matsuda, Shigeru
Environmental radiation monitoring system in nuclear power plant. 350299
Matsuda, Shinzaburo
Influence of error fields on the plasma confining field and the plasma confinement in tokamak. (JAERI-M – 7103) 366593
Matsuda, Shoji
Spectrophotometric and indirect atomic absorption spectrophotometric determination of rhenium by using solvent extraction of the ion-pair of bis(neocuproin)copper(I) perrhenate. 354306
Matsuda, T.
Measurement of polarized target asymmetry in γp→π^+n below 1.02 GeV. 369371
Matsuda, Yoshihisa
Preparation and characterization of oxo(2,3,17,18-tetramethyl-7,8,12,13-tetraethylcorrolato)molybdenum(V). 367108
Matsudaira, Hiromichi
A review of data on the effects of low and low dose-rate radiation with special reference to the dose limit problem. (NIRS-M – 20) 379318
Matsudo, Akihiko
Instrumental efficacy for imaging ^{123}I. 354951
Matsui, E.
Water isotopic fractioning (^{18}O and D) of the Santo Antonio de Russas artificial lake during the evaporation. 365313
Matsui, Haruo
Ionic equilibria in mixed solvents, (12). 359656
Matsui, K.
Isotope and substituent effects on the intramolecular proton transfer in the excited state of 6-(2-hydroxy-5-methylphenyl)-s-triazines. 378395
Recoil damage in InSb and InP observed by perturbed angular correlation with ^{111}Cd. 370192
Matsui, T.
Cross sections of the ^{63}Cu(p, 3n)^{61}Zn and the ^{63}Cu(p, p3n)^{60}Cu reactions. 359512
Development of special envelope for cryogenic applications. 360637
Why is a minor planet minor. 364374
Matsui, Tetsuo
Spin density wave in many nucleon system. 354089
Matsui, Yasushi
Analysis of Doppler effect with JAERI-Fast set. (JAERI-M – 7195) 379540
Matsukawa, Yoshinobu
A semi-analytical expression of absorption curve of x-ray intensity for determination of electron temperature in plasma. 353586
Matsuki, S.
Systematics of low-lying octupole states in the doubly-even nuclei from Ge to Sr. 378034
Matsuki, Takayuki
High-energy scattering of Dirac particles by an arbitrary potential. 349070
Matsuki, Yasuo
Depressurization accident analysis of VHTR. 360461
Matsumoto, A.
Developments and studies for marine disposal of radioactive wastes. 358527
Matsumoto, Akira
Quantities of radioactive wastes from nuclear fuel cycle. 355633
Tumor scintigraphy in primary lung cancer using ^{67}Ga-citrate. 349862
Matsumoto, D.S.
Thermal boundary resistance at metal-epoxy interfaces. 367316
Matsumoto, Gen
An approach to the study of intracellular proteins related to the excitability of the squid giant axon. 373698
Matsumoto, Gen-ichi
Neutron radiography experiments at JRR-4, (2). 355233
Matsumoto, H.
Development of KEK injector linac. 363357
Matsumoto, Haruya
Wake effect in rocket observation. 377631

Matsumoto, Hiroshi
Excitation of ionic acoustic waves by non-linear Bernstein waves. 377480
Matsumoto, K.
Effects of a finite-bandwidth pump on the parametric instabilities near the lower-hybrid frequency. 371940
Matsumoto, Kenichi
Sinterability and characterization of some UO_2 and PuO_2 powders. (PNCT – 831-76-01) 379784
Matsumoto, M.
Reactivity worths of annular control rods in a pressure-tube-type heavy water lattice. 352507
Matsumoto, Masanori
Physical characteristics of experimental low-energy Di/Con collimator. 350317
Matsumoto, Masaru
Piping information centralized management system for nuclear plant, PIMAS. 355709
Matsumoto, Mitsuomi
Practical use and characteristics of thermoluminescence dosimeters as a personal monitor. 360536
Matsumoto, Noriaki
A study on the effect of helium environment and the grain size on the creep behaviour of Hastelloy X alloy. 349502
Matsumoto, Norikazu
The percutaneous absorption of ^{35}S-acetyl-L-methionine and L-serine in rabbit. 373770
Matsumoto, O.
Nitriding of zirconium in a radio frequency discharge. 354345
Some properties of zirconium nitride formed by plasmas. 367093
Matsumoto, S.
Flicker suppressor by thyristor. 363300
Harmonic current ac filters at a large accelerator. 374087
New method to scale down an operation of a large accelerator power supply. 363345
Matsumoto, Tomoyuki
Boiling water reactor. 368116
Fuel assemblies for a light-water nuclear reactor. 360899
Fuel assembly for reactor. 368102
Nuclear fuel assembly. 368115
Matsumoto, Toru
Fundamental studies on clinical application of ^{13}N-ammonia. 349805, 349837
Matsumoto, Toshio
Balloon observations of infrared surface brightness of our galaxy. 348999
Matsumoto, W.Y.
EBR-II derived fission yields from vanadium encapsulated fission monitors. (HEDL-TME – 75-130) 351379
Fission and non-fission foil material acquisition and quality assurance. (HEDL-TME – 75-130) 352489
Matsumura, M.
Some thoughts on nuclear power training in Japan. 352575
Matsumura, S.
A magnetically shielded sampling technique for plasma diagnostics in a medium-pressure magnetoplasma. 364178
Matsumura, Shigeichi
Instrumental efficacy for imaging ^{123}I. 354951
A radioimmunoassay for human ACTH. 354949
Radioimmunoassay for steroid hormones, 2. 349864
Matsumura, Takashi
Clinoptilolite filter for the decontamination of radioactive off-gas. 361107
Matsunaga, Katsumi
Fabrication characteristics and strength of polymer-impregnated concrete polymerized by accelerated electron. 373372
Matsunaga, Y.
Flow measurement by ultrasonic method. (CONF-760503 – P2) 352714
Ultrasonic flowmeter. (German (F.R.) patent document 2549636/A/) 376674
Matsunami, N.
The study of point defects by channeling measurements of solute atom displacements. (INIS-mf – 3996) 364128
Matsunami, Naoyuki
An experiment to estimate errors in the measurement of PZT plates. 349018
Matsunami, Tadao
Elemental composition and size distribution of continental aerosol particles. 359564
Matsuno, Y.
Safety related design philosophy and experience of the experimental fast reactor "JOYO". (CONF-761001 – P2) 365580
Statistics of nonlinear dispersive waves. 366285
Matsuo, T.
Influence of imperfect alignment of median planes on focusing properties. 355620
Matsuoka, K.
Magnetohydrodynamic instabilities in a current-carrying stellarator. 348940
Magnetohydrodynamic instabilities in a stellarator. (IPPJ – 287) 368972, 371941
Tokamak experiments on JIPP T-II device. (INIS-mf – 3963) 371853
Matsuoka, Kazuoki
Studies on flush mounted electrostatic probe measurements in argon plasma flow. 377481
Matsuoka, M.
A built-in potassium getter for the scintillation proportional counter. 379909
Sco X-1. 361719
Temporal and spectral variation of Cyg X-1. 356299
Matsuoka, Masaru
Characteristics of proportional counter carried on the scientific satellite 'Taiyo'. 379923
Observation of very soft x-ray and extreme ultra violet ray with ASTRO-B. 353698
Proportional scintillation counter for measuring space x-ray. 355535
Semiconductor detector for x-ray in the space. 361041
Wide range energy spectrum of ScoX-1. 377632
Matsuoka, Osamu
Plutonium dose-effect relationship. (KURRI-TR – 147) 379108
Matsuoka, Takeo
Transverse momentum in the multiple production processes and urbaryon rearrangement model. 353829
Matsushima, Hideno
Acute effect of gamma-irradiation on blood vessels of the eye. 367504
Effects of gamma-ray irradiation on rabbit lens. 360263
Matsushima, Hidesuke
Control rod assembly. 368217
Fuel assembly. 379816
Matsushima, Takeo
Second class current and anomalies in neutrino reactions. 353871
Matsushita, M.
On the coherent electronic excitation of channelled He^+ ions. 366439
Matsushita, Rokuji
Half-lives and gamma-ray energies of short-lived molybdenum isotopes. 373021
Matsushita, T.
Experience with a supercritical helium cooling system for the investigation of superconductors. 360628
Matsutani, Y.
Fast-neutron irradiation of n- and p-type germanium at low temperature. 370166
Matsuura, Hiroyuki
Method for solidification and disposal of radioactive pellet waste. 368390
Method of cement-solidifying radioactive liquid waste containing oil. 368389
Method of processing radioactive liquid wastes by solidification with cement. 380026
Solidifying method of waste water containing radioactive oil by using cement. 368388
Matsuura, K.
DC current generation by RF travelling field in a magnetized plasma. (INIS-mf – 3963) 371854
Near-infrared emissions in additively coloured or neutron-irradiated ZnS. 370193
Tokamak experiments on JIPP T-II device. (INIS-mf – 3963) 371853
Matsuura, Kiyokata
Current sustaining by RF travelling field in a collisional toroidal plasma. (IPPJ – 292) 366541
Study on rf voltage breakdown for LHRH in 0.8-0.9 GHz. (IPPJ-T – 27) 366604
Matsuura, Shojiro
Present art of reactivity determination. 360770
Matsuura, Tomio
Damage on DNA induced by radiation and its repair, 4. 367459
Matsuyama, A.
Separation of DNA-dependent polymerate activities in Micrococcus radiodurans. 351994
Matsuyama, Jun
Effect of ^{60}Co-γ ray irradiation on green coffee beans, 1. 367681
Matsuyama, Toshitake
Clinical experience of Sheroproct suppository in rectal damage accompanied with radiotherapy of cancer of the uterine cervix. 349769
Matsuyanagi, K.
Microscopic study of band structure in "spherical" odd-A nuclei. (ZfK – 336) 364721
Matsuzaki, Teiichiro
Lifetimes of some low-lying I=1 states in ^{51}Mn. 372791
Matsuzawa, Hideo
Determination of saturation current in cylindrical paired ionization chambers for fast neutrons. 350306
Dosimetry of fast neutron beams at the NIRS cyclotron. 349919
Matsuzawa, M.
Collision between a high Rydberg ion and a neutral molecule. 377078
Matsuzawa, Michio
Integrals of the squared form factor over the momentum transfer. 358783
Matsuzawa, T.
Comparative study on lysosomal accumulation of ^{67}Ga and ^{111}In in Morris hepatoma 7316A. 352076
Matsuzawa, Taiju
Compton radiography, 1. 349868
Elemental trace analysis of hepatomas and normal tissues by proton induced x-ray emission spectroscopy. 349854
Matsuzu, Nobuhiko
Isotope separation by laser-induced photomigration. 373005
Matsuzuru, H.
Leaching behaviour of strontium-90 in cement composites. 366081
Matsuzuru, Hideo
Safety evaluation of asphalt products, (1). 355649
Matsuzuwa, M.
Rotational effect in the ionization of a highly excited atom by collision with a polar molecule. 353305

Matt, W.
Σ^- production and decay properties in $K^-p \rightarrow \Sigma^-\pi^+$. 377807
Matta, J.V.
Plant control system design for the Clinch River Breeder Reactor Plant. (CONF-770939 – 2) 368052
Matta, M.K.
Defect structure and post irradiation annealing of neutron-irradiating nickel alloys. 367324
Matta, N.K.
Radiation genetic studies in garden pea. IV : genetic improvement of pea protein through mutation breeding. 367647
Matte, J.-P.
Vlasov equilibrium in the KEMP II machine with realistic limits of plasma particle energy and momentum. 356139
Matten, A.
To the reaction of silyl radicals. The ratio of disproportionation/recombination. 359683
Mattens, W.C.M.
Are interatomic interactions decisive for the intermediate valency state. (INIS-mf – 4267) 378610
The effect of pressure on Yb on the intermediate valency state. (INIS-mf – 4267) 378685
Matter, L.
Bedside determination of extravascular lung water (ELW) using ^{123}I-antipyrine. (INIS-mf – 4010) 370433
Mattern, J.
Method to prolong the fuel cycle in a boiling water reactor. (German (F.R.) patent document 1614047/C/) 352634
Mattern, M.R.
Organization of repeated nucleotide sequences in the replicons of mammalian DNA. 360231
Mattern, N.
Electron spin resonance investigation of V_3O_7(VOsub(2.33)). 349223
Mattes, K.
Reactor safety, instrumentation and environmental effects. (KFK – 1277/2) 370622
Matteson, J.L.
Background effects in scintillation counter telescopes in the upper atmosphere. 379918
Intensity and spectral variations of Cyg X-1 observed from balloons. (CONF-7510169 –) 364375
Matteson, S.
Stopping cross sections of oxygen for 0.3 – 2.0-MeV α particles in saturated alcohols and ethers. 364620
Matteson, S.E.
Stopping cross section of bulk materials for alpha particles. 361934
Matteuzi, C.
Inclusive production from 10 GeV/c K^+ on nuclei and comparison with the same production on hydrogen. (CRN-HE – 77-10) 369368
Matteuzzi, C.
Inclusive production from 10 GeV/c K^+ on nuclei and comparison with the same production on hydrogen. 353955
Search for strangeness changing neutral currents induced by neutrinos in GARGAMELLE. 361875
Matteuzzi, P.
Automatic analysis of BEBC pictures using the flying spot digitizer. 355497
Matthaey, H.
Proposal for an experiment at SIN: dosimetry of the πE3 beam: determination of the beam components. (LA-tr – 77-70) 379479
Matthay, H.
Proposal for an experiment at the SIN: contribution on πE3-beam dosimetry. Measurement of particle spectra after pion absorption in biologically interesting nuclei. (LA-tr – 77-71) 379380
Matthes, S.
Homologous radioimmunoassay for canine prolactin and its application in various physiological states. 365491
Matthews, D.L.
Mean fluorescence yields of carbon-K following 100-500 keV C^+ and Ne^+ impact on CH_4. 358822, 377114
Measurement of x-rays emitted from projectiles moving in solid targets. 371482
Study of strange particles at 6 GeV/c in π^+N interactions. 361893
Matthews, J.C.
Anti-ejection system for control rod drives. (US patent document 4,044,622/A/) 374184
Control rod drives for nuclear reactors. (German (F.R.) patent document 2605534/A/) 352504
Device for damping the control rod drive of a nuclear reactor. (German (F.R.) patent document 2619158/A/) 352503
Matthews, J.R.
The behaviour of materials in fast reactors. 358294
Irradiation performance analysis of UK fast reactor fuel. 379731
Matthews, P.T.
A case for colour. 361794
Matthews, R.R.
CEGB experience of public communication. 371326
UK experience of safety requirements for thermal reactor stations. 370591
Matthews, R.W.
A comparison of some aqueous chemical dosimeters for absorbed doses of less than 1000 rads. 376258
Matthews, S.C.
Effect of combustibles on safety in waste repositories. (SAND – 77-1178) 374443
Matthias, B.M.
Outage planning and management: a supplier-contractor's challenge. 358146
Matthias, B.T.
Clustering hypothesis of some high-temperature superconductors. 373281
Superconductivity. 372339
Matthias, E.
Photoluminescence decay in solid xenon. 351867
Time resolved VUV spectroscopy using synchrotron radiation: fluorescent lifetimes of atomic Kr and Xe. 368674
Time-resolved VUV spectroscopy using synchrotron radiation. Zeeman beats in resonance fluorescence of the $^3P_1$ states in krypton and xenon. 377079
Matthies, K.
Performance of different ultrasonic testing techniques of austenitic welds with natural flaws. 376394
Ultrasonic testing of austenitic components of sodium cooled fast reactors. (IWGFR – 10) 363401
Matthieussent, G.
Observation of nonlinear Landau damping of a broad-band spectrum of electron plasma waves. 350852
Mattick, W.
Building up a reactor industry. 355710
Mattievich, E.
Study by Moessbauer spectroscopy of archaeological ceramics. 363988
Mattila, K.
Photometry of the intergalactic background light in the coma cluster. 369158
Mattila, L.J.
Uncertainties in radioactivity release from LWR plants under LOCA conditions. Magnitude and consequences. 370592
Mattingly, T.J. Jr.
Citizens' views about the proposed Hartsville Nuclear Power Plant: a survey of residents' perceptions in August 1975. (ORNL/TM – 5801) 349904
Mattioli, M.
Observations of multiply ionized tungsten radiation in the PLT discharges. (PPPL – 1375) 371887
Mattis, D.C.
Procedure for orthogonalizing states in the continuum. 355798
Mattox, D.M.
Kr^{85} autoradiography for nondestructive/noncontaminating surface porosity measurements. 368839
Mattrice, J.S.
Power-plant discharges: toward more reasonable effluent limits on chlorine. 365581
Matts, V.
On some experiments by means of inelastic neutron scattering at the IBR-30 pulsed reactor. (JINR-R – 14-9790) 374624
Mattson, G.E.
Regulated particle-delivery system for vacuum furnaces. 360590
Mattson, R.J.
Regulatory requirements for radiation protection. 368466
Mattson, S.
Specific activity of sup(99m)Tc-radiopharmaceuticals. (INIS-mf – 4010) 357104
Mattsson, S.
Alpha decay of neutron-deficient ytterbium isotopes and their daughters. 375179
Decay of a T/sub z/ = – 2 nucleus: Argon-32. 364777
Matucha, M.
Use of thin-layer chromatography in production of compounds labelled with radioactive isotopes. 369752
Matukanic, L.F.
On the evaluation of the possibilities of field neutron activation fluorimetry in prospecting for tin fields. 354652
Matukhin, V.L.
Nuclear quadrupole resonance of ^{93}Nb in Nb_3Al and Nb_3Ga. 374748
Matul, M.
Collective states fed by weak α-transitions in the ^{232}U chain. 356814
Matulis, C.E.
The use of a total intensity internal standard for the emission spectrographic analysis of multicomponent alloy systems. (AAEC/E – 412) 362122
Matulis, Yu.Yu.
Use of catalyst of ruthenium (6) in titrimetry. 378156
Matus, L.
Crossed beam kinetics: angular product distribution of the reaction of Br with CH_3I. (INIS-mf – 3940) 348689
Matusevich, E.S.
Measurement of neutron importance by a dynamic method. 376408
Matusevich, V.A.
Study on the d, ^{3}He, α backscattering on light nuclei with allowance for the heavy particle stripping mechanism. 375106
Matushichev, V.B.
Some biochemical effects of partial body irradiation in case of combined radiation action. 376101
Matusiewicz, G.
The isotope effect for the diffusion of hydrogen in niobium. 357303
Matussek, P.
In-process control of ^{235}U enrichment in an LWR fuel fabrication plant. 376441
Matuszek, J.M.
Radionuclide dynamics and health implications for the New York nuclear service center's radioactive waste burial site. 358528
Matv'ev, V.Yu.
Radial excited mesons in the MIT bag model. (JINR-D – 1,2-10400(v.1)) 377744

Matveenko, A.F.
Phase transformations in VT22M titanium base alloy during heat treatment. 351754
Matveenko, A.V.
Boundary conditions for scattering problem according to the representation with rotating internuclear axis. (INIS-mf – 3915) 348708
Matveenko, L.I.
Variations of H_2O spectrum in the W3 OH. 374925
Matveenko, N.L.
High-temperature chamber for polycrystal studies with neutron radiography. 350358
Matveets, M.A.
Application of organic reagents for photometric determination of samarium, scandium and thorium from one weighed amount of mineral raw material. (INIS-mf – 4192) 375309
Colour and fluorescent reaction of scandium with 1,10-phenanthroline and tetrabromofluorescein. (INIS-mf – 4192) 375310
Matveev, A.S
Methods for sorting out the defects according to size in automated ultrasonic testing of large-diameter thin-walled tubes. 373140
Matveev, I.N.
Spectral transformation of radiation in lanthanum chloride monocrystals activated by praseodymium and neodymium. (INIS-mf – 3955) 378281
Matveev, K.I.
Kinetics of ethylene oxidation into acetaldehyde with phosphomolybdenovanadic heteropoly acids in the presence of Pd(2) aqua-complex. 378340
Oxidative dimerization of benzene to diphenyl in the presence of heterogeneous catalysts. 378378
Study of products of reduction of phosphomolybdic heteropoly acid by the method of EPR in aqueous solutions. 375508
Matveev, M.D.
Short range particle interaction and a fundamental length. (JINR-D – 2-9788) 374556
Matveev, O.A.
Detektors of ionizing radiation on the bases of cadmium telluride. (INIS-mf – 3994) 379851
Electric properties of chlorine-doped cadmium telluride semi-insulating crystals. 374661
Hopping conductivity of CdTe < Cl > compensated crystals of p-type. 371548
Metal-p-semiconductor-metal structure on the basis of CdTe as a spectrometric detector for nuclear radiation. 376600
On the possibility of thermal neutron detection by cadmium telluride detectors. 379958
X-ray CdTe detectors. 376642
Matveev, V.A.
Automodel solutions in conformal invariant theory with a continuous mass spectrum. 368563
Construction of the effective potential in the quantum field theory with temperature. 348596
Power-law automodel asymptotics in nucleon-nucleon scattering at large angles. 349063
Rolling of molybdenum bars on mills with multi-roll passes. 359864
Matveev, V.B.
Two-dimensional solitons of the Kadomtsev-Petviashvili equation and their interaction. 356137
Matveev, V.I.
Safety of sodium-cooled fast reactors. 370527
Matveev, V.K.
Dielectric relaxation in fluorine-containing materials after γ-irradiation. 378807
Matveev, V.M.
Effect of Dy^{3+} ions on transitions into atiferromagnetic state in substituted orthoferrites. 358868
Effect of ground state character of a rare-earth ion on magnetic transitions in orthoferrites. 355950
Matveev, Yu.A.
Investigation into electronic structure of some transition metal silicides by the method of X-ray photoelectron spectroscopy. 378353
Investigation of iron-nickel alloys by means of X-ray emission spectroscopy. 349490
Matveev, Yu.G.
High-power nanosecond resistances. 376699
Matveev, Yu.V.
Formation of long-existence dense plasma configurations in zeta-pinch. (INIS-mf – 3963) 353587
Matveeva, E.N.
Aging resistance and stabilization of high density polyethylene formed on vanadium-containing catalyst. 357031
On polymerization of plastic scintillator blocks of large dimensions. 379887
Starting system for a 2-meter streamer spark chamber in a 17 GeV/sec α-particle beam. (JINR – 13-9030) 358334
Matveeva, L.P.
On the possibility of using a nuclear reactor for synthesis of fluorinated organic compounds. 351644
Matveeva, M.P.
Mutual diffusion in Pt-Mo, Re-Mo, Pt-Re and Pt-Re-Mo systems. 378686
Matveeva, N.M.
Cathodic implantation of aluminium in vanadium. 378233
Matveyev, O.A.
Influence of lattice defects on the electrical behaviour of chlorine-doped cadmium telluride crystals. 370126
Matvienko, B.
Preparation of ^{14}C samples for counting techniques. 355622
Testing the self-consistency of nuclear equipment. 358379
Matyash, I.V.
ENDOR on "forbidden" transitions. Ti^{3+}(Li) centers in quartz. 355965
On a new effect in electron-nuclear double resonance in distant nuclei. 348772
Matyash, P.P.
Lattice dislocation of lithium atoms implanted into cadmium sulfides. (INIS-mf – 3996) 364021
Spatial distribution of defects in silicon doped with lithium ions. (KFTI – 74-47) 353487
Studies of lithium-ion distribution in silicon using a secondary ion-ion emission method. (KFTI – 74-47) 354610
Matyuk, V.M.
Mass-spectrometer with selective stepped photoionization of molecules by laser radiation. 376673
Study of regularity of radiation-chemical interaction of halogenated and unhalogenated olefines with silane derivates. 362292
Matyukhanov, V.G.
Determination of neutron mean number on fission event of ^{252}Cf. (INIS-mf – 3896) 357875
Matyukhin, N.E.
Efficiency of nuclear-geophysical methods application when prospecting for rare earth phosphorites, fluorospar manifestations. 376000
Matyukhin, N.M.
Azimuthal non-uniformities of temperature of fuel elements arranged in regular lattices for turbulent liquid metal flow. 376319
Matyukhin, S.S.
Connection of the NRD scanning automat and a digital computer using a buffer memory device system. (INIS-mf – 3909) 374529
Matyukhin, Yu.G.
Energy losses of cosmic rays during the solar wind motion in a regular magnetic field. 356220
Matyunin, V.M.
Determination of the relative elongation on the yield plateau. 358021
Matyushevskij, E.A.
Four-electrode streamer chamber. (JINR-R – 13-10380) 358398
Matyushichev, V.B.
Changes in the ATP-ase. Activity of tissues caused by combined irradiation of the organism under thermal stresses. 379029
Matyushin, A.T.
Four-electrode streamer chamber. (JINR-R – 13-10380) 358398
Gas filling of a streamer chamber by the blowing technique. 371121
Matyushin, V.T.
Four-electrode streamer chamber. (JINR-R – 13-10380) 358398
Gas filling of a streamer chamber by the blowing technique. 371121
Starting system for a 2-meter streamer spark chamber in a 17 GeV/sec α-particle beam. (JINR – 13-9030) 358334
Matyushkin, B.A.
Facility for pressure welding of metals and alloys in superplasticity state. 375777
On effect of gas-saturated layer on cracking in delayed destruction of titanium alloys as welded. 349405
Matyushkin, Eh.V
Study on the ferromagnetic resonance in $Y_3Fe_5O_{12}$ by the optical spectroscopy method. 374788
Matzen, M.K.
Angular dependence of polarization-related laser-plasma absorption processes. 350917
Matzie, R.A.
Alternative fuel cycle for Nuclear Energy Centers. 352925
Nuclear fuel management with plutonium recycle and limited separative work availability. 363460
Matzke, H.
Fuel properties of advanced fuels (U,Pu)CN important for out-of-pile and in-pile kinetics. 378773
Long term leaching of silicate systems: testing procedure, actinides behaviour and mechanism. (KFK – 2456) 354352
Uranium diffusion in phosphate glasses. 371193
Matzke, H.J.
Behaviour of advanced fast-breeder fuels at high power density. 368199
Matzke, Hj.
Study of uranium-plutonium carbide-based fuel simulating high burnup. 378458
Matzner, R.A.
The homogeneity and isotropy of the universe. 359052
Low-frequency limit of gravitational scattering. 372216
The method of virtual quanta as a probe of the equivalence principle. 376926
Mauder, H.
Centaurus X-3: the observational picture. (CONF-7510169 –) 364376
Interpretation of optical light variations of Centaurus X-3. (CONF-7510169 –) 364377
Mauderly, J.A.
Effects of current inhalation exposure methods on cardiopulmonary function of immature dogs. (LF – 56) 365444
Mauderly, J.L.
Biological effects of $^{239}PuO_2$ inhalation in the Rhesus monkey. (LF – 56) 362718
Biological effects of repeated inhalation exposure of beagle dogs to

aerosols of ^{144}Ce in fused aluminosilicate particles. III. (LF – 56) 362716
Biomedical risks of multiple lung lavages in beagle dogs. (LF – 56) 362746
Deadspace breathing as a screening test for early lung damage. (LF – 56) 362741
Gamma camera imaging studies of regional radiation-induced injury. (LF – 56) 362759
Toxicity of inhaled ^{144}Ce in fused aluminosilicate particles in immature beagle dogs. V. (LF – 56) 365414, 365427
Toxicity of inhaled $^{238}PuO_2$ in beagle dogs. A. Monodisperse 1.5 μm $^{238}PuO_2$. B. Monodisperse 3.0 μm $^{238}PuO_2$ particles. III. (LF – 56) 362740
Toxicity of inhaled ^{90}Sr in fused aluminosilicate particles in beagle dogs. VII. (LF – 56) 365458
Toxicity of inhaled ^{90}Y in fused aluminosilicate particles in beagle dogs. VIII. (LF – 56) 365440
Toxicity of inhaled ^{91}Y in fused aluminosilicate particles in beagle dogs. VII. (LF – 56) 365441

Maudlin, P.J.
Investigation of accuracy and computation time of a hierarchy of growth rate definitions. (COO – 4116-2) 365984
Transitory fuel growth rates for fast breeder reactors. 360987

Mauersberger, K.
Mass spectrometer beam system for applications in the stratosphere. 352262

Maughan, R.L.
Fast kinetics of the oxygen effect in irradiated mammalian cells. 378983

Mauk, B.
Characteristics of magnetospheric particle injection deduced from event observed on August 18, 1974. 370306

Maul, E.
Determination of main and trace elements in Luna-16- and Luna-20-material. 354288

Maung, T.
A measurement of the form factor ratio gsub(1)/fsub(1) in lambda beta-decay. 369363
System optimization for prompt-neutron activation analysis of coal. 378154

Maurer, G.S.
The high energy x-ray spectrum of the Crab Nebula observed from OSO 8. (N – 77 – 18987) 351000

Maurer, G.W.
Thermoelectric generator operating with nuclear energy. (German (F.R.) patent document 1614309/C/) 355097

Maurer, H.
Examples of application and correlation studies for safety rules and standards in nuclear power plants, and related considerations. 352301
Safety practices and standards, developments and incentives for international co-operation. 370623

Maurer, K.
Crack growth and fatigue fracture of ferritic and ferritic-pearlite steels. 349491

Maurer, K.M.
Parametric utility comparison of coal and nuclear electricity generation. (PB – 266064) 352178

Maurer, W.
Coarse-mesh flux-expansion method for the analysis of space – time effects in large light water reactor cores. 374205
High-order schemes for neutron kinetics calculations, based on a local polynomial approximation. 374122
The use of higher order polynomials for spatial approximation of neutron flux in the coarse mesh method QUABOX/CUBBOX. 350116

Maury, S.
Determination of the amplitude of a small transfer hadron-nucleon scattering at the SPS energies (150GeV). (PCCF – 76-10) 369381

Mausbeck, H.
SNR coolant system components. 379750

Maushart, R.
Sec. 46 of the radiation protection ordinance – waiting for implementing regulations. 357798

Mauskop, E.M.
Experimental facility with intersecting beams for the study on pair collisions of atoms at the energy range of 0,5-10 eV. (INIS-mf – 3915) 350381

Mausner, L.F.
Some recent results on μ-transfer in systems with bound hydrogen. (LA-UR – 77-1266) 361371

Mavlo, D.P.
Investigation of the solution of quasipotential equations. (JINR-D – 1,2-10400(v.1)) 376909

Mavlonov, Sh.
Behaviour of trace elements in case of complex doping of. 378729
Temperature dependence of the Hall coefficient and thermo-electromotive force in $CdTl_2Se_4$ monocrystals. 367136

Mavretic, A.M.
The plasma experiment on the 1977 Voyager Mission. 374882

Mavrides, S.
Local supercluster and anomalous Hubble expansion. 353699

Mavrodiev, S.Kh.
Relativistic Fourier analysis and high energy phenomena. 353872

Mavromatis, H.A.
Effective three-body interaction in ^{93}Tc, ^{93}Mo, and ^{94}Ru. 359422
Renormalized shell model matrix elements derived from nucleon-nucleon phase shifts. 375127
A study of the ground-state energy of ^{40}Ca. 377917

Mavrommatis, E.
The Euler equation for the BDJ correlation function of a many-fermion system when a closed form energy expression is used. (IC – 76-89) 361297, 364702

Mawardi, O.K.
Interaction of a plasma beam with a transverse magnetic barrier. 350948

Mawatari, K.
On-board refrigeration system. 360630

Mawatari, Katsuhiko
Fixation method of radioactive gaseous wastes and its device. 350400

Mawlood, T.N.
The production of energetic neutrals by saddle field ion sources. 370675

Mawson, J.
$f^0(1270)$ production in the reaction $\pi^- p \rightarrow \pi^+ \pi^- n$ at 12 and 15 GeV/c. 372501

Max, A.
Recent working results of the programme 'diffusion data and fission product release'. (Juel – 1421) 355413

Max, C.E.
Electromagnetic parametric instabilities in an ultra-relativistic plasma. 350799
Light absorption and scattering mechanisms in laser fusion plasmas. (UCRL – 80153) 377341
Theoretical interpretation of angle- and polarization-dependent laser light absorption measurements. (UCRL – 79628(Rev.1)) 361637

Maxam, G.L.
Degradation of EMP hardening devices. (SAND – 77-1500C) 366065

Maxey, M.N.
Bioethical perspective on acceptable-risk criteria for nuclear-waste management. (UCRL – 52320) 380005

Maxey, W.A.
Review and assessment of research relevant to design aspects of nuclear power plant piping systems. Final report. (NUREG – 0307) 352640

Maxson, C.W.
Determination of plasma parameters from soft x-ray images for coronal holes (open magnetic field configurations) and coronal large-scale structures (extended closed-field configurations). 359125

Maxson, D.R.
^{35}Cl, ^{37}Cl and $^{36}Ar(n,d)$ reactions at 14.1 MeV. 351400

Maxwell, D.E.
Simulation of the thermomechanical response of Project Salt Vault. Final report. (Y/OWI/SUB – 77/16519/1) 374459

Maxwell, O.
Beta decay of pion condensates as a cooling mechanism for neutron star. 351051

May, A.D.
Absolute Raman frequency measurement of the Q (2) line in D_2 using cw CARS. 371491

May, C.F.
Direct measurement of the π^- form factor. 372514

May, D.P.
Mass measurements of the proton-rich nuclei ^{50}Fe and ^{54}Ni. 364827

May, F.G.
Radioiodine removal system for a small fission-product separation plant. 360571

May, F.R.
Shape transitions in very neutron deficient nuclei of the lead region. (ZfK – 336) 364703
Two-phase model of rotating nuclei. (ZfK – 336) 364693

May, J.
A detector for high-energy neutrino interactions. 379899
Is there a high-y anomaly in antineutrino interactions. 351222
Like-sign dimuon events produced in narrow-band neutrino and antineutrino beams. 356512
Measurement of the neutral to charged current cross section ratio in neutrino and antineutrino interactions. 361888
Observation of a neutrino event with four energetic muons. 372525
Observation of trimuon events produced in neutrino and antineutrino interactions. 356511
Study of inclusive neutral current interactions of neutrinos and antineutrinos. 369377

May, J.R.
Helium distribution system for the Large Coil Test Facility (LCTF). (CONF-771029 – 193) 377468

May, K.
Identification of a modern imitation of an old scientific instrument by means of neutron activation analysis. 372879
Method for solidifying liquid wastes containing radioactive or toxic material. (German (F.R.) patent document 2531056/A/) 355636

May, R.
Yield and decay of the hydrated electron in proton tracks. 357140

May, R.T.
Preliminary study of favorability for uranium of the Sangre de Cristo Formation in the Las Vegas basin, northeastern New Mexico. (GJBX – 82(77)) 378870

May, S.
Neutron activation analysis of impurities in gallium phosphide. 375213

Mayan Kutty, P.C.
Studies on inorganic ion-exchangers. Part I : application of polyantimonic acid for the polishing of uranium product of reprocessing stream. (BARC – 915) 375523

Mayankutty, P.C.
Separation and purification of uranium by ion exchange on stannic phosphate. (BARC – 913) 375648
Study of plutonium IV elution from macromolecular anion exchange resin by 0.5 M nitric acid. (BARC – 912) 375652
Mayeda, T.K.
Correlated oxygen and magnesium isotope anomalies in Allende inclusions, I: Oxygen. 350993
Mayer-Blasig, B.
Investigations for simplifying burn-up calculations. (IKE – 6-108) 376416
Mayer-Boericke, C.
High-spin states and isomers in light transitional nuclei around N = 80. (ZfK – 336) 369495
High-spin states in heavy transitional nuclei around Hg. (ZfK – 336) 369492
Octupole-strength concentration observed in α-scattering on ^{27}Al. 372792
Particle-hole symmetry observed in the angular distributions of γ-rays in ^{189} ^{191} ^{193}Au. 354196
Mayer-Boericke, C.U.
Experimental investigations of giant resonances in light nuclei: macroscopic and microscopic aspects. (Juel – 1436) 356831
Mayer-Kuckuk, T.
Evaporation residue excitation functions for ^{35}Cl induced reactions of ^{112} ^{120}Sn and ^{141}Pr. 354174
Investigation of Bremsstrahlung-induced reactions on nuclei of masses A = 27-238 in the range of the photon energies from 450 MeV to 2.2 GeV. 364759
X-ray analysis of thick targets with α-particles. 378092
Mayer, E.G.
Relationship of time – dose factors to tumor control and complications in the treatment of Cushing's disease by irradiation. 367519
Mayer, F.J.
An elementary analysis of fusion implosions. 371978
Fast-ion generation by ion-acoustic turbulence in spherical laser plasmas. 350811
Laser driven compression and neutron generation with spherical shell targets. 371777
Recent laser-driven-implosion measurements at KMS fusion. (IAEA – 200) 353588
Mayer, H.
Installation on steam generators for mounting the tubes of vertically fitted U-tube bundles in a transverse plane. (German (F.R.) patent document 1776098/C/) 350138
Layout of the KNK-II core elements. 376562
Steam generator with a preheater. 355401
Mayer, H.J.
Self-diffusion in silicon between 1320 K and 1660 K. 370194
Mayer, H.M.
Investigation of the fast neutral particle corona surrounding the Pulsator plasma. (INIS-mf – 3963) 372079
Lower hybrid heating in a mirror plasma. (INIS-mf – 3963) 371813
Mayer, J.
Calorimetric and X-ray investigation of t-nitrobutane. 364141
The electron concentration-dose dependence in glassy matrices. A semiquantitative model. 375698
The electron scavenging processes in γ-irradiated 3-methylpentane glass at 77K. 375699
Ionic processes in γ-irradiated rigid polar-nonpolar mixtures at 77 K. 375697
A variable temperature cell housing for pulse radiolysis measurements. 358434
Mayer, J.M.
Dechanneling by twins. 366411
Mayer, J.T.
B and W/USA operational experience with fuel elements. 370946
Mayer, J.W.
Influence of ^{16}O, ^{12}C, ^{14}N, and noble gases on the crystallization of amorphous Si layers. 360101
Reordering of amorphous layers of Si implanted with ^{31}P, ^{75}As, and ^{11}B ions. 360070
Mayer, R.E.
Total neutron cross section of molybdenum in the thermal range. 375084
Mayer, R.M.
Electron irradiation of dilute aluminium alloys. 351897
Neutron irradiation of dilute aluminium alloys. 373365
Mayer, T.M.
Crossed molecular beam study of the endoergic reaction $Hg+I_2 \rightarrow HgI+I$ from threshold to 2.6 eV (c.m.). 366356
Mayes, B.W. II
Pion interactions at medium energies. Progress report, December 1, 1976 – November 30, 1977. (ORO – 3948-09) 364590
Mayeux, Christian
X ray detection device. 361047
Maygh, T.H.II.
Energy for the future. 355661
Mayhall, D.J.
Circuit and magnetic analysis for a system of Faraday rotator coils driven by a two-spool, four-rotor homopolar generator. (CONF-771029 – 119) 377482
Methods for producing the plasma initiation pulse in ohmic heating circuits in tokamak power reactors: resistive dissipation, transient inductive storage, and transient capacitive storage. (CONF-771029 – 120) 377394
Mayhugh, M.R.
Effect of simultaneous thermal and optical treatments in LiF(Mg). 350717
Photo-TL in $CaSO_4$:Dy. (IEA – 426) 351883
Mayinger, F.
Modelling aspects of two phase flow. (AED-Conf – 77-039-017) 352372, 376309
Mayman, S.A.
The Canadian program for storage and disposal of spent fuel and high-level wastes. 358529
Fuel cycle wastes: the Canadian program. 363640
Management of radioactive wastes from nuclear fuels and power plants in Canada. (AECL – 5706) 361100, 368362
Maynard, C.W.
Use and performance of graphite and metal ISSECs in tokamak fusion reactors. (UWFDM – 202) 377333
Maynard, M.
Coulomb excitation of ^{135}Ba. 356852
Relative measurement of the quadrupole moments of the first excited states of the even isotopes of Ru, Pd and Cd. 366995
Maynard, M.J.
The determination of the l-forbidden M1 decay from the first excited state in ^{41}K. 366994
Mayneord, W.V.
The time factor in carcinogenesis. 354856
Mayo, C.W.
Recent experience in loose parts and neutron noise monitoring and diagnostics of operating nuclear power reactors. 358240
Mayr, A.
Experimental investigations on the immunity development in irradiated mice after local and parenteral immunization with tetanus-toxoid. 354767
Mayr, H.G.
Observations of neutral composition and related ionospheric variations during a magnetic storm in February 1974. 360193
Mayron, L.W.
Pulmonary ventilation imaging and function studies with krypton-81m. 354938
Radiation dosimetry for krypton-81m. 352335
Mays, C.W.
^{224}Ra toxicity from a pilot study in beagles. (COO – 119-252) 373615
DTPA research at the University of Utah. 354857
On the determination of the half-life of ^{237}Pu. 356890
Removal of systemically absorbed ^{109}Cd in mice using a combination of chelating agents. (COO – 119-252) 373589
Teratological studies of Zn-DTPA in mice. 370392
Zn-DTPA administered by slow-release implant. (COO – 119-252) 373592
Mazaki, Hiromasa
Superconducting transition temperature of technetium and lead. 353734
Mazakin, B.V.
Characteristics of small-sized scintillation detectors for neutron logging. 365257
Mazalov, L.N.
Resonant filter from defect tin dioxide for Moessbauer spectroscopy. 360666
X-ray electron study of character of electron density distribution in oxygen containing extractants. 351617
Mazanko, V.F.
Laser radiation effect on the mobility of iron atoms. 359934
Mazarakis, M.
Migma IV high energy fusion apparatus. 363220
Mazars, J.
Determination of mass flow rate and quality using a turbine meter and a venturi. 376511
Maze, M.
Clinical trial of four pancreatic scanning agents. 379086
Mazeau, J.
Electron impact excitation of high vibrational levels of the H_2, NO and O_2 ground states. 350621, 353257, 353258, 377024, 377025
Feshbach resonances in electron scattering from NO. 353256, 377023
Mazets, E.P.
Isotropic metagalactic background and galactic gamma radiation in the energy range from 0.03 to 4.1 MeV from "Kosmos-461" observations. 364378
Mazhara, A.P.
Reaction of molybdenum chlorides with chalcogens. 375510
Maziasz, P.J.
Unique role of HFIR in fusion reactor materials evaluation. 358981
Maziere, B.
Application of neutron activation analysis to the study of the variations of the concentration of trace elements in various organs of rats as a function of age. 375311
In vivo measurement of the Ca/P ratio by local activation with isotopic neutron sources. 369562
Maziere, M.
Carbon-11-labelled compounds in dynamic imaging studies of the brain. 354950
Mazitov, B.S.
Division analog circuit for semiconductor position-sensitive detectors. 376744
Mazkedian, S.
Dynamical neutron diffraction by curved crystals in the Laue geometry. 371551
Mazmanishvili, A.S.
Channels for vacuum ultraviolet radiation extraction from the N-100 storage ring. 370747

Maznyj, G.L.
Subprogram variant for the exchange of magnetic storage devices by lines and pages written in the FORTRAN language. (JINR – 11-9845) 376858
Mazo, D.M.
Solid phase joints between corundum single crystal and titanium. 351698
Mazor, E.
Multitracing and multisampling in hydrological studies. 376033
Stable isotopes of noble gases as a tool for groundwater tracing. (IAEA-R – 1560-F) 357483
Mazuer, J.
Influence of direct current on performance of niobium conductor for miniature coaxial line. 349992
Miniature superconducting high frequency coaxial lines. 367921
Mazumdar, M.
Additional methodology development for statistical evaluation of reactor safety analyses. (EPRI-NP – 483) 360459
Mazumder, B.S.
Effect of wall conductances on hydromagnetic flow and heat transfer in a rotating channel. 368840
Mazur, C.
Neutron-multiplicity in deep inelastic collisions: 365 MeV Cu+Au system. 356855
Observation of rotational states before fission barrier for the ^{232}Th(n,f) reaction. (INIS-mf – 3896) 356715
Mazur, V.A
Effect of trapped electrons on odd "drift" modes in a tokamak. 377483
Mazur, V.A.
Effective potential method in inelastic electron-atom collisions. (INIS-mf – 3915) 348685
Effective potential of electron in a field of a many-electron atom. (INIS-mf – 3915) 348647
Mazurek, T.J.
Stellar collapse and transport supernovae with neutrino degeneracy. 364379
Mazurik, V.K.
Phosphorolysis and deoxyribosyltransferase reactions of thymidine and deoxyuridine in the organs of irradiated rats. 360266
Mazurin, O.V.
More accurate definition of liquation dome in Na_2O-B_2O_3-SiO_2 system. 378195
Mazurkiewicz, M.
The transport mechanism DC arcs in advanced spectroanalysis. (Juel – 1449) 375520
Use of laser-micro-emission-spectroscopy for local determination of impurities in graphite reactor materials. (Juel – 1439) 367049
Mazurov, V.L.
Design and physical principles of the finger-ring T-12 Tokamak with two axisymmetrical diverters. (ORNL-tr – 4530) 377355
Mazurova, L.A.
Determination of molybdenum and tungsten concentrations in bedrocks by x-ray radiometric method. 349619
Ionizing radiation-induced solidification of the urea-formaldehyderesins. (INIS-mf – 4194) 376279
Mazzi, G.
Behavior of the ^{4}He viscosity near the superfluid transition. 372322
Mazzi, U.
Thermodynamic properties of actinide complexes. Part 5: Uranyl(VI)-thioglycolate system; thorium(IV)-glycolate and -thioglycolate systems. 375419
Mazzini, M.
Experiments on high efficiency aerosol filtration. 360514
In-situ and laboratory testing of HEPA filters in Italy. 360513
Mazzone, D.
Some notes on the crystal chemistry of rare earths ternary intermetallic compounds. 362430
Mazzucato, E.
Low-frequency microinstabilities in the PLT Tokamak. (PPPL – 1373) 364227
Turbulent temperature fluctuations in the PLT tokamak plasma. (PPPL – 1363) 356082
Turbulent temperature fluctuations in the Princeton Large Tokamak plasma. 366498
Mazzucotelli, A.
Determination of trace amounts of zirconium in silicates by cation-exchange chromatography and spectrophotometry with xylenol orange. 364890
Ion-exchange separation and spectrophotometric determination of trace amounts of niobium in silicate rocks. 359562
Meaburn, J.
The complex motions of the neutral and ionized gas within the Dumb-bell Nebula (NGC 6853) – II. 374911
Line profiles from the ionized and neutral gas in the peculiar nebula NGC 6302. 359078
Unusual, large-scale, motions in H II regions. 356289
Mead, K.E.
Materials compatibility information data bank. (SAND – 77-1237C) 365117
Mead, P.L.
Sandia Laboratories technical capabilities: materials and processes. (SAND – 77-0002) 362350
Mead, W.C.
High performance inertial fusion targets. (UCRL – 79373) 377502
Simulations of intermediate density laser fusion targets: recent progress in design and analysis. (UCRL – 80005) 374842
Theoretical interpretation of angle- and polarization-dependent laser light absorption measurements. (UCRL – 79628(Rev.1)) 361637
Meadows, A.T.
Patterns of second malignant neoplasms in children. 373571
Meadows, J.W.
Fission product yields in monoenergetic neutron fission of ^{238}U. (BNL-NCS – 22500) 356774
Meadows, M.D.
Deuterium nuclear magnetic resonance investigation of the dipalmitoyl lecithin – cholesterol – water system. 378284
Meadows, P.S.
Responses of a benthic marine invertebrate to γ-irradiated sediment. 365381
Meany, J.E.
Kinetic studies of potential bifuntional acid-base catalysts in aqueous solution. The iodination of acetone. 357067
Meardon, B.H.
Zirconium as a standard for long wavelength neutron scattering. (RL – 77-089-A) 364610
Meares, C.F.
Biological properties of molecules labelled with metal ions using bifunctional chelates. 354840
Measday, D.F.
New limit on the decay $\mu^+ \rightarrow e^+\gamma$. 372516
Meason, J.L.
Distribution of fission yields for fission spectrum neutron-induced fission of uranium-238. 372763
Radon daughters and fission products as atmospheric tracers. (CONF-741003 –) 370290
Mebold, U.
The distance of Cir X-1. 356246
Mech, S.J.
Development of ultrasonic examination methods for austenitic stainless steel weld inspection. 352432
Mechali, D.
Problems raised by applying the recommendations of the International Commission on Radiological Protection. 367808
Safety and protection analysis of reprocessing plants. 370577
Mechkovskij, L.A.
Enthalpy of formation of melts in the indium-tin-bismuth-lead system. 378385
Formation enthalpy of melts in indium-bismuth-antimony system. 359711
Meckbach, W.
Analysis of experimental velocity distributions of convoy electrons. 377245
Do present 'charge transfer to the continuum' theories correctly describe the production of vsub(i) = vsub(e) electrons in ion beam-foil collisions. 361378
Mecke, P.
Waste water disinfection by means of high-energy UV irradiation. 367651
Mecking, B.A.
Measurement of the electron – deuteron elastic scattering cross section in the range 0.8 less than or equal to q^2 less than or equal to 6 GeV^2. (SLAC-PUB – 1596) 361869
Meckoni, V.
Regional nuclear fuel centers: IAEA study project. 359855
Regional nuclear fuel cycle centres. 366141
Regional nuclear fuel cycle centres. IAEA study project. 368450
Meclewski, R.
Coverage dependence of FE flicker noise. 378658
Field desorption of potassium from (001), (011) and (112) tungsten planes. 378727
Medeiros, J.T.N.
About the dynamics of structural phase transitions. (INIS-mf – 4168) 368842
Medeiros, L.O.
Histochemical (polysaccharides, proteins, nucleic acids and enzymes) and autoradiographic (incorporation of ^{35}S labelled sodium sulfate) study of the epithelial intestinal cells of Xenodon merremii Wagler, 1824 (Ophidia). 349779
Meder, M.R.
Application of the unified weak-coupling model to neutron scattering by ^{12}C. 351409
Medero, J.L.
Systems for data acquisition with computer HP2114. 355691
Medina, L.C.
Radiation monitor training program at Rocky Flats. (RFP – 2434) 379280
Medinskaya, I.P.
Improvement of properties of plate metal used for welded vessels. 375887
Medioni, R.
The response of some thermoluminescent materials to neutrons. 355552
Medley, J.R.
Model for evaluating probabilities of primary system retention of core debris and time of release in LMFBR risk assessments. (CONF-761001 – P4) 362921
Mednickij, W.G.
Device for preventing spontaneous repositioning of a control element of a nuclear reactor. (German (F.R.) patent document 2219951/B/) 355351
Mednikov, A.K.
Study of phase transformation of activator in radiation-coloured crystallophosphor CsBr-In. 373384
Mednikov, A.M.
Generation and movement of magnetic domains in a SHF magnetic field. 374749

Mednikov, Yu.A.
Cold-rolled tube production on KhPT-250 mills. 375782
Mednikova, V.N.
Eu^{2+} spectra in $KMgF_3$ and $NaMgF_3$ crystals. 375596
Investigation of Zeeman effect in $NaMgF_3$-Eu^{+2} and $KMgF_3$-Eu^{2+} crystals. (INIS-mf – 3955) 377304
Spectra of Sm^{2+} in $KMgF_3$ and $NaMgF_3$ crystals. (INIS-mf – 3955) 378424
Medovar, B.I.
Electroslag remelting effect on the weldability of chromium-nickel steel-Kh16N15. 359875
Medrano, G.
Implementation of environmental programs for surveillance of nuclear installations. 352264
Medsker, L.R.
Study of the $^{84}Sr(\alpha, p)$ reaction. 372793
1^+ and 0^+ states in ^{90}Y. 369475
Meduna, Ya.
Radiation vulcanization of polymer film – economical analysis. (INIS-mf – 4194) 376823
Medveczky, L.
Automatic spark counting of alpha-tracks in plastic foils. 352826
Medved', A.V.
Effect of transverse drift of charge carriers on acoustoelectron interaction in piezoelectric-semiconductor laminated structure. 371609
Effect of transverse electron drift on absorption of surface acoustic waves in CdS. 377218
Medved', T.Ya.
Americium extraction by vinylene diphosphine dioxides. 378489
Extraction of trivalent transplutonium elements by dioxides of some alkylen-and vinylenediphosphines from nitric acid solutions. 349324
Medved', V.V.
Attenuation of ultrasound in doped crystals of alumo-yttrium garnet and alumo-magnesium spinel. 355932
Medvedev, A.I.
Isolation and identification of the chemical nature of a natural modifier of radiation mutagenesis in Vicia faba and its possible mechanism of action. 362653
Medvedev, B.I.
Effect of ionizing radiation on the processes of ion transport in the liver mitochondria. 379030
Medvedev, E.Yu.
Low resolution nmr spectrometer signal detection. 355688
Medvedev, S.A.
Magnetic properties of niobium-titanium alloy single crystals in superconductive state. 378588
Medvedev, V.K.
The structure and electronic-adsorptive properties of strontium films on (112) face of tungsten monocrystal. 354535
Medvedev, V.N.
Investigation of spin memory effects in CaF_2 and SrF_2 crystals activated by europium. (INIS-mf – 3955) 377204
Optical orientation and circular polarization of Eu^{2+} luminescence in CaF_2 and SrF_2 crystals. 371617
Medvedev, Yu.A.
Nuclear data for the calculation of neutron-induced secondary gamma-ray spectrum in soil. (INIS-mf – 4043) 362565
On visualization of a neutron beam in the air. 375088
Particle moderation in scattering with high anisotropy. Statistic fluctuations of energy losses in collisions. 349096
Pulsed current of electrons induced by gamma rays in air. 356559
Medvedev, Yu.S.
Copper determination in polymetallic ores by x-ray radiometric method. 351943
Peculiarities of analysis of heterogeneous media using secondary radiation in beam geometry. 365279
Medvedev, Yu.V.
Energy resolution of semiconductor detectors with variable bias. 350327
Medvedev, Z.
Winged messengers of disaster. 357725
Medvedeva, M.S.
Spectral analysis of heat resisting alloys smelted in vacuum arc furnaces. 364872
Medvedevskikh, Yu.G.
Study of kinetic regularities of butene-1 oxidation on Te-Mo-O catalyst. 378394
Medvedkin, G.A.
Polarization properties of $CdSnP_2$ diodes. 374750
Medvedkov, A.A.
Action of an ionizing radiation and hydrodynamic effect on matrix properties of DNA during extracellular synthesis of RNA, and thiophosphate protection of matrix properties of T2-DNA against γ-radiation. 370322
Medvednikov, A.E.
Controlled rolling of profiles. 375757
Medvedovskaya, Ts.P.
On the threshold dose of fast neutrons inducing cataract. 360264
Medzhibovskij, B.A.
Automation spectrometric facility. (ITEF – 14(1975)) 361043
Meek, C.C.
Time series analysis and forecasting applied to ANL TREAT experiments. 352274
Meek, R.L.
Irradiation damage effects in silicon containing stacking faults. 370186
Meeker, D.
Ion beam inertial fusion target designs. (UCRL – 78474) 361491
Meeks, H.C.
Assessment of environmental aspects of uranium mining and milling. Final report, 12 February – 7 July 1976. (PB – 266413) 360472
Meens, A.
Deuterated titanium targets on thin backings. (LA – 6850-C) 370759
Targets of silicon oxide and vanadium oxide enriched in ^{18}O on various backings. (LA – 6850-C) 370760
Meer, A.F.G. van der
Influence of predischarge conditions in SPICA. (INIS-mf – 3963) 371976
Meetz, K.
SO(2)-symmetric solutions of the two dimensional Minkowskian and Euclidean O(3) nonlinear sigma-model. (DESY – 77/57) 363814
Mefed, A.E.
Direct observation of nuclear magnetic resonance in rotating coordinate system and suppresion of nuclear dipole interactions in solids. 361461
Mefod'eva, M.P.
Investigation of neptunium (6) and plutonium (6) oxidation by ozone in alkaline solutions. 359746
Megahed, Y.M.
Amino acid tolerance test using L-β-phenylalanine-^{125}I. 373762
Optimization of total triiodothyronine radioimmunoassay in unextracted serum by dextran charcoal. 349855
Megaw, W.J.
The aerosol problem in nuclear installations. 360515
Meger, R.A.
Generation of field-reversing E layers with millisecond lifetimes. 368930
Meggitt, G.C.
A dead time correction system using standard modules. 363582
Megrabian, G.K.
Arrangement for study of π^0-photoproduction on ^4He nuclei. 379852
Megrabyan, G.K.
On the possibility of identification of particles with various charges in photonuclear reactions. (EFI – 208(54)-76) 376602
Megumi, Kazuko
The bearing of uranium series nuclides in soil. 360152
Particle size dependence of content of uranium series nuclides in weathered granite soil. (KURRI-TR – 144) 349645
Meguro, T.
Future trends of light-water reactor fuel-cycle costs. 366168
Megy
Super-Phenix: status of the Creys-Malville plant. 379738
Megy, J.
Phenix LMFBR power plant: Radioactive effluent releases and operating team irradiation results after two years of industrial operation. 367778
Safety requirements and options for a large fast neutron reactor. 370539
Megy, J.M.
Phenix construction and operating experience. 379786
Phenix power station experience. 371037
Three years of Phenix operation. 358295
Mehkri, A.A.
Screening of varieties for relative drought tolerance in groundnut. 376156
Mehl, J.B.
Superfluid-vortex thresholds and the vortex-core parameter near T/sub lambda/170 Physics Department, University of Delaware, Newark, Delaware 19711. 351123
Mehl, M.J.
Theory of neutral atom scattering at long range from metal surfaces. 358785
Mehlhorn, G.
A basis for applying hypoxic hypoxia for optimizing radiotherapy. Information based on animal tests. 379032
Mehlhorn, W.
Electron shake-off in neon and the interaction of continuum states. 376988
Super Coster-Kronig and Coster-Kronig transitions of Zn and Xe. 358757, 377032
Mehner, A.S.
Behavior of irradiated fuel rods during film boiling operation. 352281
Irradiation Effects Test Series: Test IE-2. Test results report. (TREE-NUREG – 1074) 365871
Mehner, A.W.
Burn-up particles with oxidic fuel kernels of highly enriched uranium dioxide for spherical fuel elements. 370958
Mehra, H.C.
Microanalysis of Ni(II), Co(II), Pd(II) and Ti(IV), Y(III), Zr(IV) by combined thin-layer chromatography and ring colorimetry. 349178
Mehren, F.
The control and shutdown system of the KNK-II. 376469
Mehrer, H.
Self-diffusion in silicon between 1320 K and 1660 K. 370194
Mehrotra, K.N.
DDT-dehydrochlorinase from the desert locust Schistocerca gregaria Forskal. 370429
Mehta, C.H.
Are screened Coulomb potentials amenable to perturbation. 371517
Mehta, D.B.
Indoor switchyards for power stations. 379448
Mehta, S.
Annealing characteristics and nature of traps in Al_2O_3

thermoluminescent phosphor. 350318
Mehta, S.C.
Some criteria for evaluation of performance of whole body counting systems. 371122
Mehta, S.K.
Experience in the manufacture of nuclear equipment in India. 370813
Innovations in PHWR design, integration of nuclear power stations into power systems, and the role of small nuclear power plants in a developing country. 371001
Operating experience and radiation protection problems in the working of the radio-metallurgy hot cell facilities at BARC. (INIS-mf - 4159) 376216
Thermoluminescence related Z centers in LiF:Mg, Ti. 371642
Mehzon'e, Ch.
Plasma focus and thermonuclear fusion. 350906
Mei, C.
Temperature dependence of the total reaction rates for Cl+HI and Cl+HBr. 367103
Mei, E.
Cesium-133 nuclear magnetic resonance study of complexation by cryptand C222 in various solvents: evidence for exclusive and inclusive complexes. 367104
Spectroscopic studies of ionic solvation. XX. Cesium-133 NMR study of cesium salts in different solvents. 362174
Meichelboeck, H.
Development of a radionuclide method of mass flow measurement in non-steady state multiphase flows. (KFK - 2435) 357890
Meier, F.
Stress-calculation for rotary shells under axisymmetric load and for circular cylinders with unsymmetric edge loads. (KFK-CAD - 16) 370782
Stress-calculation for thin-walled rotary shells under axisymmetric loads. Pt. 2. (KFK-CAD - 38) 370779
Transfer of technology for fabrication of heavy components for nuclear power plants. 379555
Meier, G.
Magnetic phase transitions of CeSb: results of structure refinements. (RISO - 369) 368777
Meier, H.
Kinetic investigation of the photolysis of 2-oxo-2,5-dihydro-1,3,4-oxadiazoles. 351989
Neutron-activation analysis of vanadium in oils with californium-252. 375312
Meier, J.
Mark I 1/5-scale boiling water reactor pressure suppression experiment summary of effects due to vent line orifice variations: air test series. (UCID - 17539) 352635
Meier, K.L.
Jet target intense neutron source. (LA-UR - 77-2398) 368973
A 14 MeV intense neutron source facility. 355167
Meier, P.F.
Muon spin orientation (μSR) in ferromagnets and semiconductors. 377193
Muon spin rotation (μSR) in α-Fe_2O_3. 377194
Muon spin rotation (μSR) in Gd. 378630
Muonium states in silicon. 377195
Meier, P.M.
Annual report for fiscal year 1976, July 1975 - September 1976. (BNL - 50668) 367725
Sociopolitical ramifications of nuclear energy centers. (BNL - 22678) 352265
Meier, V.A.
Radioisotope X-ray fluorescence analyzer for elemental rock and ore analysis in natural deposits. (Czechoslovak patent document 157766/B/) 371174
Meier, W.
Test methods and testing equipment for recurring inspections. 370820
Meier, W.R.
Conceptual design of a laser fusion power plant. (UCRL - 79652) 377478
Meiere, F.T.
High-mass K^* production in K+d interactions at 9 GeV/c. 372509
Meierjohann, B.
The H-H^+, H^+-H^+ and H-H fragmentation in the collision-induced dissociation of H^+_2 ions. 353379
Production of fast hydrogen atoms of discrete energies by predissociation of molecular hydrogen. 368714
Meij, J.A.M. van der
The osmotic pressure of ^{3}He-^{4}He mixtures along the phase separation curve. 353733
Meijer, H.C.
The superconductive transition temperatures of some solders. 359960
Meiklyar, V.P.
Transferred hyperfine interaction of Yb^{3+} in $KMgF_3$. 371595
Mein, P.
Multi-channel subtractive spectrograph and filament observations. 356290
Meinberg, N.S.D.
Calibration of an Am-Be neutron source. (INIS-mf - 4113) 365665
Meincke, W.
Total cross sections for charged-current neutrino and antineutrino interactions in BEBC in the energy range 20-200 GeV. 353945
Meinert, H.
Chemistry of ternary tungsten hexahalides. 372980
Reaction of tungsten fluorides with quartz. 367105
Meinert, W.D.
Licensing, construction completion, and fuel loading of Millstone Unit No. 2. 358221
Meinhold, H.
The effect of orally administered contrast media for cholangiography on T_4-T_3 conversion. (INIS-mf - 4010) 370484
Influence of iodinated cholegraphica on T_4/T_3-conversion. 360380
Meinke, R.
Charged particle multiplicity distributions in pp collisions at ISR energies. 356525
Observation of charged particle corrections between the forward and backward hemispheres in pp collisions at ISR energies. 377831
Observation of charged particle correlations between the forward and backward hemispheres in pp collisions at ISR energies. 375072
Meinken, G.E.
Effects of preloading of stannous compounds on the distribution of sup(99m)Tc-pertechnetate. 352157
Meinunger, I.
Counts of galaxies in the region of the 'intergalactic dark cloud' near iota Microscopii. 351053
Meisch, H.U.
Direct determination of cadmium in unicellular green algae by flameless atomic absorption. 375313
Meisel, A.
X-ray spectra and chemical bond. 371643
Meisel, D.
Influence of a resonant helical octopole field on the Pulsator tokamak plasma. (INIS-mf - 3963) 371910
Internal modes and disruptions with increasing electron density in the Pulsator tokamak. (INIS-mf - 3963) 372020
Photolytic and radiolytic studies of $Ru(bpy)_3^{2+}$ in micellar solutions. 378532
Polyelectrolyte effects on rates of hydrated electrons. 365064
Quenching and quenching reversal of tris(2,2'-bipyridine)ruthenium(II) emission in polyelectrolyte solutions. 367106
Transients in the flash photolysis of aqueous solutions of tris(2,2'-bipyridine)ruthenium(II) ion. 357166
Meisel, G.
Isotope shift and hyperfine splitting of barium levels. (AED-Conf - 77-243-001) 350633
Laser-rf double-resonance measurement of the quadrupole moments of ^{95}Mo and ^{97}Mo. 377004
Meisel, L.V.
Resistivity anomalies in rare earth and transition metals and their alloys. 365169
Meisenheimer, R.
Miniature electron bombardment sample evaporation source for ESCA. 354305
Sputtering of niobium by energetic neutrons and protons: A round-robin experiment. 350569
Meissner, G.
Critical behaviour and nonlinear effects in uniaxial ferroelectrics. 355799
Meister, A.
Calculation of (n,2n), (n,np) and (n,pn) cross sections considering pre-equilibrium processes. 349116
Meister, R.
Correlations with hemodynamics and lung function of scintigraphically determined 'perfusion-redistribution-index'. (INIS-mf - 4010) 370485
Meixner, M.
Whole-body bone scans in patients with plasmacytoma. Typical pattern of 'hot spots' in the rib cage. 365466
Mejdahl, V.
Comparison of medieval decorated floor-tiles with clay and tile fragments from the kilns at Bistrup. (INIS-mf - 4037) 356928
Progress in thermoluminescence dating at Edinburgh. (INIS-mf - 4037) 356962
Mejer, A.V.
Vessel for x-ray analysis of liquid mixtures in flow. (Soviet patent document 494646/A/) 351452
Mejer, V.A.
Nuclear-geophysical methods as a basis of progressive technology of ore quality control in mining industry. 351939
Rare-earth elements in calcites of carbonates of Turij peninsula (from the neutron activation analysis data). 349157
Mejerovich, A.Eh.
High-frequency susceptibility of cristalline He^3. 368843
Magnetic phases of solid He^3. 377678
Mejerovich, B.Eh.
Calculation of the ultrarelativistic beam structure in the classical statistics approximation for ideal gases. (ITEF - 123) 365751
Mejia, E.N.
Technology transfer in the implementation of nuclear power in the Philippines. 352465
Mejntser, V.O.
Radiolysis of hydrocarbons in the presence of carboranes-12. 349354, 378528
Mekhanik, V.P.
Instrument for radiation detection. (Soviet patent document 414909/A/) 379919
Mekhanikov, V.V.
Two-dimensional spatial spectrum of the photospheric brightness field near to the solar disc center. 356264
Mekhrabov, A.O.
Magnetic susceptibility of (SiTe)sub(1-x) - (A^3Te)sub(x). 370015
Mekhtiev, M.A.
The guasi-local acceptor levels in p-Agsub(1-x) Gdsub(x)Te alloys. 358889

Mekler, L.I.
Industrial tests and application of porous AN-21 anion exchanger for rhenium extraction. 359644
Mekori, T.
Immunotherapy counteracting the immuno-depressive effect of radio and chemotherapy. 379076
Mel, E.
Complexation of the cesium cation by macrocyclic polyethers in various solvents. A cesium-133 nuclear magnetic resonance study of the thermodynamics and kinetics of exchange. 351445
Mel'guj, M.A.
Nondestructive testing of mechanical properties of steels for deep swaging. 375861
Mel'gunova, L.G.
On state of platinum metals in solutions during chlorination of alloys, oxides and sulfides containing nickel. 351565
Mel'ker, A.I.
The effect of tempering at 400 deg C on the structure and properties of maraging Kh11N10M2 steel. 357277
Mel'nichenko, I.A.
2 m- chamber filled with neon – hydrogen mixture and with a track-sensitive hydrogen target. 358330
Mel'nichuk, A.B.
Input device for the DIN-1M spectrometer. (JINR – 10-9154) 352828
Mel'nik, Eh.V.
X-ray diffraction analysis of some Mg- and Li-containing ternary alloy systems. 349492
Mel'nik, G.G.
Acetylation of rat liver histones in case of radiation injury. 376113
Mel'nik, P.V.
Experimental and calculated characteristics of electron inelastic scattering. 364623
Mel'nik, Yu.M.
Fabrication of lavsan heads for sensitive volumes of liquid hydrogen targets. 376337
Mel'nik, Yu.P.
Energy spectra of the (e, e', p) reaction on light nuclei. (KFTI – 75-15) 361960
Mel'nikov, E.P.
Thyristor commutator for high-current pulse generator. 376723
Mel'nikov, M.Ya.
Photochemical transformations of radicals in polyethylene oxide at 77K and their role in destruction processes. 357152
Polymethyl methacrylate break-down during photolysis at 77 deg K. 362271
Mel'nikov, P.P.
Scandium phosphates. 351528
Mel'nikov, V.A.
Continuous analysis of iodine, cesium, barium, strontium, yttrium and rare earths isotopes from water coolant of nuclear reactor. 356967
Mel'nikov, V.B.
Effect of gamma radiation on zirconium silicates and their catalytic activity. 373058
On catalytic activity of zeolite-containing zirconium silicate catalysts. 378364
Mel'nikov, V.V.
Study on captured radiation on the "Kosmos-426" satellite. 4. Structure of electron fluxes on outer bound of the geomagnetic trap. 376048
Mel'nikova, I.G.
Radioactivation method for determination of small amounts of carbon in fluorophosphate glasses. 378093
Mel'nikova, L.L.
Co^{60} γ-irradiation effect on electric properties and surface structure of p-Ga Sb monofilms. 374657
Mel'nikova, L.V.
Microstructure and phase composition of the niobium-zirconium-carbon alloy system. (INIS-mf – 3839) 367260
Nitrides in the lanthanum, yttrium, neodymium structure. (INIS-mf – 3839) 367241
Yttrium interaction with 1Kh18N9T steel at elevated temperatures. (INIS-mf – 3839) 365144
Mel'nikova, S.V.
Double refraction and structural phase transitions in $ABCl_3$ type crystals. 356015
Mel'ttser, L.V.
Wide-range roentgenoradiometric analyzer of elements in media of complex chemical composition. 356965
Meladze, R.D.
Plasma focus discharge investigation in a zeta-pinch geometry. (INIS-mf – 3963) 371999
Melber, B.D.
Nuclear power and the public: analysis of collected survey research. (PNL – 2430) 379611
Melcher, C.L.
Thermoluminescent determination of prehistoric heat treatment of chert artifacts. 364892
Melches, C.
Prospects for the establishment of plutonium recycle in thermal reactors in the Foratom countries. Status and assessment. 368442
Meldner, H.W.
Time-dependent Hartree – Fock theory: application to the $^{14}N + ^{12}C$ reaction. (CONF-770987 – 2) 377914
Melekhin, V.F.
On the stability of heat-resistant oxygen-free compounds in low-temperature plazma. 357346
Wetting of plasma coatings with liquid aluminium. 369892
Melekhin, V.N.
High-frequency line of a microtron. 363370
Transport system of electron beam extracted from a microtron. 363293
Using a 30 MeV microtron for purposes of the radioactivation analysis. 363301
Melekhina, A.A.
Particularities of sublimation kinetics of interference coloured oxide films on molybdenum and tungsten. 351594
Melekhov, G.G.
Display for information output in physical experiments. 371077
Melendez, L.L.
Two-dimensional finite element calculational methods for plasma diffusion in low-beta devices. 364193
Melent'ev, L.A.
Fundamental studies of system investigations in nuclear energetics. 380083
Principles of nuclear district heating. 376799
The use of nuclear reactors for centralized heat supply and district heating. 371216
Melese-d'Hospital, G.
Gas-cooled fast breeder reactors and symbiosis with thermal reactors. 352743
Meleshevich, A.P.
Investigation of gaseous products of epichlorohydrin radiolysis. 375702
On determination of region of essential radiation-chemical induced chain reaction of glycidyl methacrylate. 375701
Meleshina, V.A.
EPR of non-axial Cr^{3+} complexes in $LaAlO_3$ monocrystal. 377241
Meleshko, E.A.
Analog short-time interval converter on integrated circuits. 376712
Melibaev, M.
Electron-electron weak interaction in atoms and ions. 374616
Melichar, F.
Analysis of normalized-characteristic curves and determination of the granulometric state of dissolved uranium dioxides. 367149
Melichar, Z.
Regulatory activities and their research and developmental support in the CSSR. 371267
Melik-Akhnazarov, T.Kh.
Formation of gas bubbles in fluidized bed. 357891
Melik-Shakhnazarov, V.A.
Resonance attenuation of sound and acoustic quantum generation in niobium containing hydrogen. 351727
Melikhova, A.N.
Solubility of a third component in a binary semiconductor compound. 370017
Melikov, A.A.
Determination of rare-earth elements of the cerium subgroup with alizarin complexone in the presence of diphenylguanidine. 375314
Melikov, E.Ya.
Development of determination method of chlorine dissolved in crystal lattice of luminophore on base of CdS and CdSe. (INIS-mf – 4191) 375512
Melikov, S.R.
Extraction-photometric method for determination of titanium (3), molybdenum (5), niobium (5) using rhodanide and triethylamine and diphenylguanidine. 375223
Investigation of complexing in metal (titanium(3,4), molybdenum(5), niobium(5), tantalum(5), vanadium(2)) – rhodanide – amine system. (INIS-mf – 4192) 375380
Melikov, Yu.V.
Effect of a compound nucleus lifetime on the profile of the planar shadow. 359423
Measurement of ^{236}U and ^{239}U compound nuclei lifetime dependence on excitation energy. (INIS-mf – 3896) 356917
Melikova, Z.D.
Investigation into the $PbSe-Nd_2Se_3$ system. 375428
Melikyan, P.A.
On the stability of transverse polarization of electrons in a linear accelerator. (EFI – 169(76)) 350074
Melikzade, M.M.
Effect of SAN-1 copolymer on the thermal stability of γ-irradiated special fuel. 357424
Investigation into effect of preliminary gamma radiation on specific electric conductivity of NaY type zeolite. 370195
On a possibility of production of neutral petroleum distillates using high energy irradiation. 375703
Melin, G.
RF trapping of low energy ions in a mirror machine. (EUR-CEA-FC – 911) 353590
Melioranskij, A.S.
Correlation of hard x-ray source positions with globular clusters. 369037
Observation of discret sources of hard x radiation on the "Kosmos-428"satellite. 376611
Melkaya, R.F.
On the effect of aqeous phase composition on extraction of neodymium by TBP. 378494
Spectrophotometric study of $H_2O-Nd(ClO_4)_3$-tbp and $H_2O-Nd(NO_3)_3$-tbp systems. (NIIAR-P – 12(306)) 378342
Melkikh, V.G.
Switch pulse shaper for a scintillation spectrometer circuit. 358385
Melkonian, E.
Fission fragment measurements: double energy measurements. (BNL-NCS – 22500) 356830
Neutron spectroscopy. Progress report, 1 October 1976 – 30 September 1977. (COO – 2176-45) 378003

Melkov, G.A.
Size effects on parametric excitation of spin waves in ferrites. 356016
Melkov, V.G.
Results of checking the hypothesis of a possible $^{235}U/^{238}U$ displacement in the nature. 351936
Melkumov, G.L.
Arrangement for study of π^0-photoproduction on ^4He nuclei. 379852
Investigation of a 90-channel Pb glass Cherenkov hodoscope. 358336
A study of the spectrometric characteristics of the 49B type photomultipliers. 376605
Melkumov, S.B.
Influence of specific added heat on corrosion resistance of metal in weld heat-affected zone of ferritic-austenitic steel. 351669
Melkumyan, L.A.
Measurements of the enbeam profile in an electron accelerator by means of synchrotron radiation. 358004
Melkumyan, L.V.
The separation of heavy ion tracks in nuclear emulsions by means of the pulsed electric field. 368267
Mellinger, G.B.
High temperature properties of Zircaloy – oxygen alloys. (EPRI-NP – 524) 362304
Mello, R.S.
Effect of radiation and contrast media on chromosomes. 357588
Radiation-induced chromosomal aberrations and cellular repair at DNA level. 351997
Mellottee, H.
Extinction of metal fires. 354999
Melnick, J.
Structure of giant extragalactic HII regions. 361718
Melnik, D.
Alpha transfer reaction between oxygen isotopes. (WIS-PH – 77/42) 364786
Alpha-transfer reactions between oxygen isotopes. 372769
Attempt to measure the relative phase of the (1dsub(5/2))^2 and the (2ssub(1/2))^2 amplitudes in the ground state of ^{18}O. (WIS-PH – 77/27) 364787
Nuclear reactions induced by the bombardment of ^{18}O with ^{18}O. 356798, 366987
One and two neutron transfer reactions between ^{17}O and ^{18}O. (WIS-PH – 77/37) 364695
Melnikoff, M.
Dirac equation with an exact symmetry. 364528
Melo, C.P. de
Hydrogen molecule ion in strong magnetic field. 364382
Melon, P.
An automatic liquid nitrogen level controller and transfer system. 360604
Melone, S.
Dynamical neutron diffraction by curved crystals in the Laue geometry. 371551
Meloni, S.
Some noble metals and copper content of Italian meteorites as determined by destructive neutron activation analysis. 372855
Melouk, H.A.
Screening, selection and evaluation of irradiation-induced mutants of spearmint for resistance to Verticillium wilt. 373716
Melrose, D.B.
Emission and absorption of Langmuir waves by anisotropic unmagnetized particles. 356141
Mode coupling in the solar corona. 356291, 372219, 372220
Melssen, J.P.M.G.
The polarized beam facility in Eindhoven. (INIS-mf – 4267) 379513
Scattering of polarized protons by iron and nickel isotopes. 362067
Melton, J.G.
Design and fabrication of a radially-fed implosion heating coil. (LA-UR – 77-2452) 371882
Meltzer, A.
Studies for a comparison of the maximum possible consequences of accidents in a reprocessing plant and a nuclear power station. 351684
Meltzer, M.
Study for the air flow pattern in large fresh fruit storage rooms. (IA – 1338) 365482
Melzacki, K.
Experimental studies of laser-produced plasmas within the spherical multipole trap. (INIS-mf – 3963) 371734
MeMay, C.A.G.
Improvements relating to tomography. (UK patent document 1478123/A/) 350372
Memelov, V.V.
Data reading system from wire spark chambers with ferrite rings. (ITEF – 53) 366060
Memnonov, V.P.
Asymptotics of a scattering problem for fast decreasing potentials. (INIS-mf – 3915) 348710
Men', A.N.
Calculation of hydrogen solubility dependence on binary alloy composition by cluster component method. 375843
Calculation of linear molecules using cylindrical oscillator functions. 361343
Structure of metallic melts on the base of the cluster model. 365181
Men'kov, A.A.
Extraction-spectrophotometric investigation into the lanthanum-chlorophosphonazo 3-diphenylguanidine system and its use for determination of lanthanum. 372901
Men'shenin, Yu.V.
Investigation into thermodynamic stability of $AlWO_4$ and reaction between Al_2O_3 and WO_2 at higher temperatures. 369660
Men'shikov, A.Z.
Critical neutron scattering in invar iron-nickel alloys. 368844
Magnetic inhomogeneities in invar iron-nickel alloys. 370002
Magnetic state of iron-nickel-manganese alloys. 348823
Moessbauer studies of a hyperfine magnetic field in FePd alloys. 358904
Men'shikova, T.S.
Experimental results with carbide fuel rods in the BOR-60 reactor. (KFK-tr – 536) 355481
Plutonium fuel and fuel elements for power reactors. 368048
Men'shikova, V.L.
Investigation into formulation of iron corrosion product deposition on the surfaces of steam generating channels. 365084
Men'shinin, S.V.
Effect of welding conditions on the cold cracking resistance of sheet martensitic aging steels. 369857
Mena, I.
Significance of calcific valvular heart disease in /sup 99m/Tc pyrophosphate myocardial infarction scanning: radiographic, scintigraphic, and pathological correlation. 357642
Menant, B.
Sodium boiling experiments in a 19 pin bundle: two phase coolant dynamics. (CONF-761001 – P4) 362892
Mencaraglia, F.
Interstellar graphite grain temperature and infrared optical constants. 366661
Mencel, J.
Betatron activation analysis of cupriferous flotation pulp. 355104
Menchaca-Rocha, A.
Energy dependence of the distribution of reaction strength in the $^{16}O + ^{40}Ca$ collisions. (ANL – 77-60) 378024
Menck, J.
The handling system. 376588
Mencke, H.
Superconducting magnets in high-energy physics. 374086
Mencl, J.
X-ray fluorescence determination of uranium. I. 352817
Mencuccini, C.
Electron-positron bremsstrahlung at ADONE. A new limit for the existence of a heavy electron. 361767
Mendel, E.
Convolution regularization and gauge invariance. 363802
Mendel, J.E.
Disposal forms for the actinide wastes from the nuclear fuel cycle. (BNWL – 2117) 371194
High-level waste glass. (BNWL-SA – 5842) 352862
Thermal and radiation effects on borosilicate waste glasses. 358494
Mendell, D.S.
Versatile real-time interferometer phase-detection system using high-speed digital techniques. (UCRL – 79613) 374843
Mendelsohn, A.
Airborne detector improvement. (GJBX – 40(77)) 360165
Mendelsohn, L.B.
Born approximation calculations of the Compton defect in aluminum. 371518
Mendelsohn, M.
Configurational entropies and the stabilities of intermetallic hydrides. 354514
Mendelssohn, K.
Proceedings of the sixth international cryogenic engineering conference, Grenoble, 11-14 May 1976. 358918, 358943, 358952, 358970, 358992, 358997, 359126, 359198, 359201, 359207, 359215, 359884, 359886, 359889, 359901, 359902, 359909, 359916, 359917, 359918, 359920, 359921, 359927, 359935, 359941, 359949, 359958, 359960, 359971, 359979, 360003, 360594, 360596, 360597, 360599, 360600, 360603, 360605, 360606, 360607, 360608, 360610, 360611, 360612, 360613, 360614, 360615, 360616, 360617, 360618, 360619, 360620, 360621, 360622, 360623, 360624, 360625, 360626, 360627, 360628, 360629, 360630, 360631, 360632, 360633, 360634, 360635, 360636, 360637, 360638, 360639, 360640, 360642, 360643, 360644, 360645, 360647, 360648, 360649, 360650, 360651, 360652, 360711, 360718, 360719, 360720, 360722, 360724, 360735, 360736, 361084
Mendes, M.G.
Note on insecticide residue problems of edible seeds and oils in India. 379166
Mendez, A.
Bounds to T-odd effects in quasi-elastic neutrino reactions. 353984
Mendis, D.A.
The comet-solar wind interactions. 372221
Mendlowitz, H.
One-photon emission in periodic magnetic fields. 355765
Mendonca, I.
Drift waves in a turbulent plasma. 366595
Mendonca, J.M.A. de
Chemical effects of (n,2n) reactions on iodate and periodates systems. (INIS-mf – 4119) 365028
Mendonca, J.T.
Drift waves in a turbulent plasma. 366595
Mendoza, J.
Xerographic discharge of orthorhombic sulfur single crystals. (INIS-mf – 4127) 364006
Mendte, K.
Cavitation experiments at butterfly valves in water and in sodium at 850K. (IWGFR – 9) 352771
Testing of components of the heat transfer systems of sodium-cooled fast breeders in a large-scale test facility. 371038

Meneghelli, B.J.
Direct effects in the electrophilic substitution of deltahedral boranes and heterboranes. Deuteration and halogenation of 1-SB_9H_9 and $SB_{11}H_{11}$. 378406
Meneghello, S.
Influence of the axial distribution of heat flux on sodium boiling in forced convection. (CONF-761001 – P4) 362980
Meneley, D.A.
CANDU systems. 379691
Menet, J.
Complete identification of products of the reaction $^{20}Ne+^{12}C$ at 110 MeV. 354239
Menez, A.
Scope and assignments of a consultant in the selection and construction of a nuclear power plant. Application to a project in Turkey. 371328
Menezes, A.D.
Nodal coupling by response matrix principles. 374112
Menezes, L.C.
One-dimensional model for KDP with aleatory 'impurities'. 353468
Meng, C.
Dawn-dusk gradient of the precipitation of low-energy electrons over the polar cap and its relation to the interplanetary magnetic field. 370304
Search for the magnetic neutral line in the near-earth plasma sheet 3. An extensive study of magnetic field observations at the lunar distance. 360201
Menge, P.
Neutron-activation analysis of vanadium in oils with californium-252. 375312
Mengel, P.
Fuel rod development. (KFK – 1277/2) 371039
Non-destructive determination of the density distribution of an irradiated fuel rod, using an X-ray picture. 370839
Menger, B.Eh.
Telemetry channel for a well-type scintillation gamma spectrometer. 354670
Mengi, Y.
Experimental assessment of the Mindlin – McNiven rod theory. 351778
Menikoff, R.
Derivation of the virial expansion with application to Euclidean quantum field theory. 368567
Unstable normal mode for Rayleigh – Taylor instability in viscous fluids. 371644
Menjon, G.
Application of the regulations on pressurized components or light water reactor primary coolant circuits. (INIS-mf – 4056) 361174
Menken, G.
Corrosion and deposition behaviour of ^{60}Co and ^{54}Mn in the SNR mockup loop for the primary sodium system. (IWGFR – 7) 360988
Menlove, H.O.
Nondestructive analysis methods for the measurement of special nuclear materials. 380129
Thermal-neutron coincidence counting of large plutonium samples. 380120
Mennig, J.
Comparison of power series solutions to the stationary monoenergetic neutron transport equation for slabs. 366912
Improvement of the Sn method by hermite integration. (INIS-mf – 4052) 374125
Menon, M.M.
Development and testing of the ORNL/PLT neutral beam lines for the Princeton Large Torus. (CONF-771029 – 108) 371801
ORNL 150 keV neutral beam test facility. (CONF-771029 – 66) 371859
Menon, S.G.
Indoor switchyards for power stations. 379448
Menoret, M.
Properties of some III-V compounds in thin films realized by sputtering. 368826
Menotti, P.
Vertex functions and form factors for conformal spin 1/2 systems. 363815
Menoux, B.
Effects of particle size characteristics on the theoretical evolution of urinary and fecal excretion of inhaled plutonium. 354858
Menozzi, T.
Argonne Code Center: compilation of program abstracts. (ANL – 7411(Suppl.11)) 374513
Mensch, W.
Correlations between magnetic after-effect and internal friction in α-iron after low temperature neutron irradiation. 371585
The magnetic after-effect spectrum of α-iron after low temperature neutron irradiation. 371645
Mense, A.T.
Effects of fueling profiles on plasma transport. (CONF-771129 – 5) 371893
Plasma engineering considerations for a medium-field ignition test reactor. 377509
Plasma engineering innovations for the ORNL TNS reactor. (CONF-771029 – 146) 377508
Menshikova, T.S.
Investigation of the performance of uranium-plutonium mixed oxide fuel pins for the reactor BN-600. 355463
Mensian, S.
Migma IV high energy fusion apparatus. 363220
Mensik, A.
Eye protection in electron beam therapy. 379323
Mentall, J.E.
Excitation of O_2 and N_2 by electron impact in the extreme vacuum ultraviolet. 371519
H(2s) and H(2p) branching ratio in the photodissociation of H_2 near threshold. 366358
Mentel, J.
The influence of vaporization upon the roots of a high current arc. Pt. 2. 374844
Menthe, A.
In beam collection of ^{123}Xe for carrier-free ^{123}I production. 376236
Menushenkov, A.P.
On the effect of stationary magnetic fields up to 15 T on the spectrum of transverse photocurrent in p=InSb. 374653
Menyhard, M.
On the temperature dependence of decomposition of very thin SiO_2 films under electron bombardment. 369796
Menze, D.
Compilation of pion photoproduction data. 351226
Photoproduction of pions on polarized protons and neutrons in the second resonance region. (BONN-HE – 77-11) 369342, 372502
Menzel, D.
Photoelectron spectroscopy of nitrogen adsorbed on W(110). 369946
Site competition on metal surfaces: an electron spectroscopic study of sequential adsorption on W(110). 370055
Menzel, J.
Radioimmunoassay for antigliadin-antibodies using ^{14}C-labelled gliadin. 362827
Menzel, M.
Finite-gyroradius effects in screw pinches. (INIS-mf – 3963) 371927
Menzenhauer, P.
Testing of a graphite based extinguishing powder for use on liquid metal fires. (KFK – 2525) 376579
Menzies, M.
Rare earth and trace element geochemistry of a fragment of Jurassic seafloor, Point Sal, California. 349646
Menzinger, M.
Velocity separation of isotopic mixtures in underexpanded supersonic beams. 357054
Menzione, A.
A new fast and programmable trigger logic. 371097
Meoli, D.D.
Westinghouse seeks minimum costs with maximum reliability. 352660
Mercandalli, L.M.
Composition of GaAs anodic oxide films studied by low energy ion scattering spectrometry (ISS). 369533
Mercea, J.
Investigation of the complex isotopic exchange in water-steam systems with hydrogen and nitrogen as carrier gases. 349264
Mercea, V.
The rate constant of the fragmentation processes produced in the mass spectrometer. 376996
Mercer, B.W.
Evaluation of a precipitation-ion exchange process for treatment of laundry waste. (BNWL – 2274) 371195
Mercer, R.L.
Phenomenological optical model for p-^{4}He elastic scattering. 372647
Mercer, T.T.
Matching sampler penetration curves to definitions of respirable fraction. 354859
Mercereau, J.E.
Critical rf magnetic fields for some type-I and type-II superconductors. 365190
Microprocessor-based feedback system for phase and amplitude stabilization of superconducting resonators. 363201
Microwave power gain utilizing superconducting resonant energy storage. 370717
Stony Brook superconducting heavy-ion booster project. 363307
Merchie, G.
Reliability of myocardial imaging with thallium-201 to visualize myocardial ischaemia in coronary artery disease. 354943
Mercier L'Abbe, G.
In-service inspection of the vessels of nuclear submarine reactors. (CEA-CONF – 3933) 355311
Mercier, A.
Conjectures. 353118
Mercier, C.
The Mark II Nancay radioheliograph. 372129
Stationary axisymmetric states with diffusion and heating of tokamak configurations. (INIS-mf – 3963) 371945
Mercier, J.
Spectroscopic measurements on a high-density Z-pinch plasma. 366596
Merciny, E.
A thermodynamic study of the complex formation of trivalent lanthanides with hydroxyethylethylenedieminetriacetic acid and other amoniacetic acids. 364946
Merdinger, J.C.
Perturbed angular distributions in ^{36}Cl and ^{40}K. 356721
Meredith, G.R.
Vibrational spectra of transition metal hexafluoride crystals. I. 357389, 365216, 365217
Meredith, J.O.
Nucleon separation and pairing energies, decay energies and atomic masses for $68 <= Z <= 72$. 359523
Precise atomic mass differences for wide doublets as determined with the Manitoba II mass spectrometer. 358449
Merenda, P.
Positron annihilation in a single VO_2 crystal. 348768

Merezhinskij, K.Yu.
Phase relationships in the YOsub(1,5)-PrOsub(x) system and physico-chemical properties of solid solutions. 360033
Solid solutions in the system Y_2O_3-Pr_2O_3 and its morphotropy. 349303
Mergan, L.M.
Evaluation of solidification matrices proposed for nuclear power plant radwaste. 368376
Mergulhao, S.
Study of 'Traps' in naphthalene monocrystals. 350757
Meriakri, V.V.
Natural antiferromagnetic resonance in domain walls of thulium orthoferrite near the reorientation temperature. 368821
Merickel, B.S.
Toxicity of inhaled alpha-emitting radionuclides: an experimental approach. (LF – 56) 365430
Merighi Junior, A.
Radioisotopic techniques in the study of pollutant effluents dispersion. Dispersing capacity of water bodies. (IEA-TI – 49) 351961
Merilo, M.
Critical heat flux experiments in a vertical and horizontal tube with both Freon-12 and water as coolant. 355300
Merinov, A.S.
Determination of the boundary value of the rock natural gamma-activity from the well logging curves. 357484
Merinov, P.E.
Providing for the necessary quantity of delta-ferrite in metal of austenite-ferrite welds. 375798
Quantitative determination of ferrite content in chromium-nickel steel welds. 369564
Merkelis, G.V.
On the theory of electric multipole transitions in atoms. 368659
Merkle, J.G.
Approximate method of elastic – plastic fracture analysis for nozzle corner cracks. (CONF-771140 – 2) 374159
Development of the tangent modulus method of elastic-plastic fracture analysis. (IAEA – 189) 360816
An evaluation of the HSST program intermediate pressure vessel tests in terms of light-water-reactor pressure vessel safety. (IAEA – 189) 360897
Heavy-Section Steel Technology Program intermediate-scale pressure vessel tests. (CONF-770807 – 24) 362878
Test of 6-in.-thick pressure vessels. Series 4: intermediate test vessels V-5 and V-9 with inside nozzle corner cracks. (ORNL/NUREG – 7) 358196
Merkle, J.T.
Notes for talk to IAEA meeting on section XI appendix A Ksub(I) magnification factor curves. (IAEA – 189) 360817
Merkle, K.
Determination of the relative biological effectiveness for fast neutrons based on the mitotic inhibition of Ehrlich ascites tumor cells. (SAAS – 222) 354784
RBE assessment of fast neutrons in Ehrlich ascites tumor cells by analyzing mitotic depression. 373485
A relative biological effectiveness (RBE) of fast neutrons as evidenced by measuring the intensity of the proper fluorescence of tumor cells in ultraviolet spectrum. 349702
Merkle, K.H.
Impulse cytophotometry in the u.v. spectral range for determining the RBE of fast neutrons on tumour cells. 378969
Merkle, K.L.
New HVEM for materials research at ANL. (CONF-770855 – 2) 366052
Merklin, J.F.
Thermoluminescence related Z centers in LiF:Mg, Ti. 371642
Merkulov, I.A.
Optical orientation in ferromagnetic europium sulfide. 368726
Merkulov, L.A.
Axisymmetric electron gun on energy 300 keV and current 250 A with laminar flow. (JINR-R – 9-10670) 376378
Behaviour of a laminar beam in a high-current electron gun while changing its parameters. (JINR-R – 9-9818) 376379
Merkulova, K.I.
Radiological peculiarities of waters in faults of the Northern Kirghizia. 376030
Merkur'ev, S.P.
On the scattering theory for a system of three charged particles with Coulomb interaction. 348602
Two-particle resonances and singularities of the (2 → 3) scattering amplitudes. 348575
Merkus, F.W.H.M.
The effect of colestipol on digitoxin plasma levels. 376178
Merkushev, V.A.
Investigation and simulation of the corrosion-fatigue crack propagation kinetics. 375734
Merkushkin, V.V.
Heat treatment effect on samarium structure and electric parameters of glow-discharge starters. (INIS-mf – 3839) 365186
Merli, C.
Use of a MWPC in a big magnetic spectrometer as a counter hodoscope for fast majority discrimination. 379873
Merlin, H.B.
Canada's uranium production potential. 357485
Merlini, C.
In-pile measurement of fission enhanced creep and swelling of uranium nitride. 360132
Merlini, D.
Long-wavelength sum rules for two-dimensional plasmas. 350855
Merlini, R.J.
Radioactive waste package development at the Rocky Flats Plant. 350025
Merlo, T.
Deactivation of $N_2^+A^2PIsub(\mu)$ at keV energies. 353359
Mermaz, M.C.
Influence of intrinsic nucleon motion on energy spectra and angular distributions for ^{16}O-induced reactions at 20 MeV/A. 356769
Particle-particle angular correlations in peripheral heavy-ion reactions. 362065
Researches with the tandem and the synchrotron. Chapter 1. (CEA-N – 1959) 354198
Mermet, J.M.
Study of excitation transfers in a high frequency inductively coupled plasma between the plasma generating gas and the injected elements. 353591
Mermin, N.D.
Stability of superflow in ^3He-A. 369241
Mermod, R.
Observation of the decay $\pi^0 \rightarrow e^+e^-$. 377802
Mermoud, A.
Amplitudes and exchange mechanisms for K* resonances produced by the reactions $K^+p \rightarrow K^{*-}p$ at 10 GeV/c. 356488
Mernagh, J.R.
In vivo determination of nitrogen using Pu-Be sources. 349179
Merrett, D.J.
SGHWR safety design and evaluation. 370990
Merrick, H.F.
Development of oxide dispersion strengthened turbine blade alloy by mechanical alloying. (N – 77-22213) 367217
Merrill, E.W.
Experience at Deer Island with electron disinfection of sludge at high flow rates. (INIS-mf – 4220) 379416
Merrill, M.H.
Low-enrichment and denatured (thorium) fuels for the HTGR: a status report. (GA-A – 14606) 363468
Merrill, N.H.
A towed sea-bed gamma-ray spectrometer for continental shelf surveys. 376002
Merritt, B.
Shiva optical diagnostics. (UCRL – 79776) 377521
Merritt, F.S.
Charged current differential distributions in the Caltech-Fermilab γ-experiment. 353931
A measurement of the neutral current coupling in neutrino inclusive reactions. 353932
Structure of the neutral current coupling in high energy neutrino – nucleon interactions. 364591
Merritt, W.F.
Fixation of radioactive waste in glass. (AECL – 5800) 361109
The leaching of radioactivity from highly radioactive glass blocks buried below the water table: Fifteen years of results. 358531
Management of radioactive wastes from nuclear fuels and power plants in Canada. (AECL – 5706) 361100, 368362
Merritt, W.J.
Impact of containment design on nuclear plant availability. 370931
Merson, J.L.
Seismic response of block-type nuclear reactor core. (LA-UR – 77-218) 352668
Merta, J.
Effect of liquid sodium on long-term properties of austenitic steels. (INIS-mf – 4211) 378740
Mertens, G.
Multiple scattering effects in fast neutron polarization experiments using high-pressure helium-xenon gas scintillators as analyzers. 363595
Mertens, L.A.
Compatibility of beryllium and beryllium oxide with lithium in a fusion reactor blanket. (HMI-B – 205) 351045
Mertens, P.
Determination of low dose concentration profiles in solids by means of (n, p) and (n, α) reactions. 364899
Mertiens, H.D.
Determination of the longitudinal and the transverse part in π^+-electroproduction. (DESY – 77/64) 366892
Elastic π^0 electroproduction above the resonance region. (DESY – 77/42) 364562
Electroproduction of neutral pions and test of the quark-parton model. 356394, 364561
Inclusive spectra of electroproduced K^+-mesons. (DESY – 77/49) 364578
Mertin, D.
High-spin states in ^{203}Bi populated in the (α, 4n) reaction. 372765
Investigation of the impurity hyperfine field polarization in polycrystalline rare earth ferromagnets. 350746
Mertl, F.
Determination of some beta and beta-gamma emitters in aqueous solutions by detecting Cherenkov radiation. (INIS-mf – 4143) 374344
Interaction of tellurium with zinc, cadmium and mercury. 373653
Low activity measurement of beta sources using Cherenkov radiation. 379920
Merts, A.L.
Astrophysical opacity library. (LA – 6760-M) 359099
Electron impact excitation of carbon and oxygen ions. (LA – 6691-MS) 358780
Mertsalov, S.L.
Synthesis and study of properties of d,l-N,N-N'N'-tetracarboxymethyl-α,β-diaminopropionic acid. 364923

Merwe, P. du T. van der
The two-point function in nonlinear theories. 363816
Merwe, W.P. van der
Lambda-tight ruby valve. 360603
Non-dissipative liquid helium level detector. 360638
Simple demountable device to fix lambda-tight in rings. 360624
Merwin, D.
State and local planning procedures dealing with social and economic impacts from nuclear power plants. (NUREG – 0203) 352214
Merwin, D.J.
Framework for monitoring the social and economic impacts associated with the construction of the Skagit Nuclear Project in Skagit County, Washington. (PNL – 2446) 373844
Merwin, S.S.
Uranium: the exploration process and recent developments. 362580
Mery, P.
Spin of the tau-neutrino and suppression of the decay-model tau→ysub(tau)π. 377745
Meryan, V.T.
Surfactant complexes of metal-organic compounds – anion type and their use in polarography. (INIS-mf – 4192) 375379
Merz, E.
Benefits and risks of nuclear power. (Juel-Conf – 17(3.rev.ed.)) 360420
Cryogenic separation of krypton and xenon from dissolver off-gas. 358471
FIPS – A process for the solidification of fission product solutions using a drum drier. 358484
Reprocessing technology in the HTGR fuel cycle. 367197
Merz, E.R.
The thorium fuel cycle. 368451
Merz, G.
Use of X-ray primary analysis in the study of mineral and oxidic substances. 354304
Merzbacher, E.
Inner shell ionization in the Pb-Pb quasimolecule. 377120
A semiclassical Coulomb collision model for alignment of the 2p shell with one vacancy. 377081
Merzhanov, A.G.
Combustion of transition metals in hydrogen. 357009
Formation of solid solutions under combustion conditions. 370098
Kinetics of heat release in high temperature nitriding of titanium. 369969
Merzlyak, M.N.
Effect of radioprotective biogenic amines on peroxide oxidation of lipids in rat small intestine mucosa microsomes. 365399
Merzon, G.I.
Fluctuations and the most probable values of relativistic charged particle energy loss in thin gas layers. 353233
Mes, H.
Further muonic-atom test of vacuum polarization. 350625
Meschter, P.J.
Investigation of high temperature thermodynamic properties in the Pt – Zr and Pt – Hf systems. 351779, 357306
Meseri, Y.
Preparation and characterisation of dithiophosphinato-complexes of yttrium and the lanthanoids. 369690
Meservey, R.
Measurement of the supercooling curve of a paramagnetically limited superconductor. 356372
Meshchaninova, L.S.
Investigation into decomposition kinetics of the metastable α'' and β phases of the quenched VT3-1 alloy in the process of tempering. 369922
Meshcherov, R.A.
High-power pulsed thyratron performance and TG11-2500/50 characteristics in the nanosecond range. 376741
Meshcherskaya, L.I.
The anomalous behaviour of the optical properties of ion-implanted germanium. (INIS-mf – 3996) 377256
Meshcheryakov, G.Ya.
Study of the interaction between intermediate vanadium oxides and carbon. 369688
Meshcheryakov, M.G.
Basic trend of development of the JINR computer centre. 368486
High-pulsed parts of spectra of secondary particles from collisions of 6,3 GeV/C deuterons with protons, deuterons and carbon nuclei. (JINR-D – 1,2-9342) 356486
Meshcheryakov, R.P.
Radioactivation method for determination of small amounts of carbon in fluorophosphate glasses. 378093
Meshkov, A.G.
On motion integrals in quantum mechanics. 374578
The present status of the fast reactor programme in the USSR. 365979
Meshkov, I.V.
Some problems in ultracold neutron physics. (INIS-mf – 3895) 355493
Meshkov, L.L.
Thermodynamic properties of solid solutions of niobium and tungsten in nickel. 354384
Meshkov, N.K.
Some pecularities of changes in resistance to plastic deformation of structural materials under the effect of ultrasonic oscillations. (INIS-mf – 3914) 349450
Variation of plastic deformation resistance of metals under high-frequency vibrations. 369970
Meshkova, C.B.
Change in the relation of band intensities of Eu^{3+}, Sm^{3+}, Tb^{3+} and Dy^{3+} ion luminescence spectra in complexes as a function of the number of coordinated ligands. 351545
Meshkova, I.N.
Alkylalumoxanes as cocatalysts of ethylene polymerization. 375513
Meshkova, S.B.
Phosphorescence of complexes of some elements of group 3 with β-diketones at room temperature. 349265
Selection of analytical lines of luminescence spectra during determination of lanthanoid ions in solutions of complexes. (INIS-mf – 4191) 375331
Meshref, W.M.
New developments in the techniques of uranium exploration in Egypt. Case histories for exploration under arid conditions. 365261
Meskauskas, A.
Influence of ion implantation into the source of evaporation or growing structure on the properties of vacuum deposited thin films. 368868
Meskhi, G.G.
Fluorescence yield decrease for inner vacancies produced in close atomic collisions. 358694, 376958
Meskhi, G.O.
Measurement of energy spectrum of high-current electron beams. 376640
Mesmer, R.E.
Precision emf measurements on protolytic equilibria with the hydrogen electrode above 100 C. 375514
Mesnage, Bernard
Nuclear reactor assembly. 355462
Mesquita, T.B.
Persistence and distribution of [^{14}C]-lindane residues in coffee plants. 379093
Mesronyan, V.S.
Errors of digital registration of radioactivity logging data. 349627
Mess, K.H.
Evidence for the F meson. 353947
Measurements of tau decay modes and a precise determination of the mass. 372505
On the origin of inclusive electron events in e^+e^- annihilation between 3.6 and 5.2 GeV. 353772
On the semileptonic decay of charmed hadrons. 356496
Messano, J.
Industrial pulse columns design for uranium purification of nuclear grade, by the indirect HTU method. (IEA – 343) 351691
Messer, G.
Energetic interaction of noble gases on tungsten in the range between 1000 K and 2000 K. 369959
Messer, J.
Determining the distribution coefficients of volatile alkalising agents between steam and water and their effects on the corrosion behaviour of materials in the water-steam cycle of power plants. 378248
Messer, K.-P.
Uranium demand as judged by electric utilities. 358562
Messer, K.P.
The LWR fuel cycle in the Federal Republic of Germany. 366166
Salzbourg 1977. 355711
Messerschmid, E.
Effective coupling impedance and the microwave instability. (BNL – 50611) 357980
Messerschmidt, O.
Experimental investigations on the immunity development in irradiated mice after local and parenteral immunization with tetanus-toxoid. 354767
Messinev, M.Yu.
Polymerization of γ-irradiated acrylamide at low temperature under action of shock waves. 375704
Messing, F.
Ultrafast pulsed magnets for beam manipulation in an electron storage ring. 363206
Messmer, R.P.
The interaction of atomic hydrogen with Ni, Pd and Pt clusters. 356017
Messore, G.A.
Planning of the regulatory inspection activity during manufacturing, construction and operation of the Italian nuclear plants. (INIS-mf – 4057) 361183
Mestelan, G.
Synthesis and distribution kinetics in animals of [α-^{11}C] 3,4-dimethoxyphenethylamine. 373617
Mestvirishvili, M.A.
Does u-channel in t-plane influence on behaviour of forward scattering differential cross sections at high energies forward scattering differential cross sections at high energies. (IFVE-OTF – 76-20) 349068
Metag, V.
Fission of ^{238}U induced by ^{136}Xe for energies close to the Coulomb barrier. 359488
Lifetime measurements of nuclear levels with the charge plunger technique. 379953
A position sensitive parallel plate avalanche detector (PPAD) for fission fragments. 379904
Systematics of fission isomer halflives. 375191
Metais, J.L.
An irreversible process for Framatome. 352655
Metal'nikov, B.I.
Copper corrosion in molten sodium polyphosphate and sodium borates. 349368
Metal'nikov, S.S.
Recovery of uranium from natural waters. 365106

Metcalf, D.
Radiation-induced enlargement of granulocytic and macrophage progenitor cells in mouse bone marrow. 357581
Serum half-life and organ distribution of radiolabeled colony stimulating factor in mice. 367557
Metcalf, F.G.
Experience at Deer Island with electron disinfection of sludge at high flow rates. (INIS-mf – 4220) 379416
Metcalf, J.H.
Environmental monitoring at the WIPP site CY 1976. (SAND – 77-1021) 367737
Metcalfe, E.
Cyclotron emission and thermalization of electrons in rare gas afterglow plasmas. 353197
Metche, M.
Determination of the characteristics and transformations in a mull medium of a humic model derived from auto-oxidation of the catechol-glycine system and selectively labelled with carbon-14. 357656
Meteer, J.W.
Fast reactor fission yields for ^{237}Np. (ICP – 1050-3) 374256
Metelitsa, D.I.
Chemical models of chains electron transfer in hydroxylating ferment systems. 378193
Metelkin, E.V.
Particle moderation in scattering with high anisotropy. Statistic fluctuations of energy losses in collisions. 349096
Metelkin, I.I.
Glass-phase crystallization effect on ceramics welding to metals. 369867
Meter, J.D.
Some biochemical characteristics of a toxic substance isolated from organs of lethally irradiated animals in the course of the intestinal syndrome. 362673
Meteva, K.B.
Investigation into the Cs_2O-P_2O_5-H_2O and Cs_2O-P_2O_5-D_2O systems in the field of crystallization of monosubstituted cesium orthophosphate at 25 and 50 deg C. 375544
Methfessel, J.S.
LaAg under hydrostatic pressure: superconductivity and phase transformation. 359980
Metiu, H.I.
Quantum theory of scattering of atoms from solid surfaces. 368676
Metivier, H.
Effects of chronic and continuous low-dose rate gamma exposure on the life span of athymic nude and heterozygous mice. 354785
Pulmonary tumors induced in the rat by the internal α irradiation; target cells and sensitive cells. 354774
Metivier, P.J.
Improved reference cavity design for frequency tracking of rf accelerating structures. 363262
Metke, E.
Development of nuclear power plants and safeguarding safe operation thereof. 379281
Metlay, D.
Space disposal of nuclear wastes. Volume 1: socio-political aspects. (N – 77-24924) 366101
Space disposal of nuclear wastes: socio-political aspects. Volume 2. (N – 77-23914) 363672
Metreveli, S.G.
The Keldysh-Franz effect in InP. 374735
Metsch, B.C.
Shell-model calculations on Fe isotopes. (INIS-mf – 4267) 377884
Shell-model calculations on nuclei around A = 56. (INIS-mf – 4267) 377881
Metsik, V.M.
Luminescent properties of yttrium silicates activated by cerium at various forms of excitation. (INIS-mf – 3955) 377264
Mettinger, K.L.
Detection of atherosclerotic plaques in carotid arteries by the use of ^{123}I-fibrinogen. 370404
Mettler, F.A. Jr.
Improvement in visualization of hepatic lesions with upright views. 373672
Mettner, W.
High resolution inelastic electron scattering and the excitation of magnetic dipole and quadrupole states in nuclei. (IKDA – 77/13) 364796
Metz, E.
Experimental confirmation of the 1100 MeV structure and first observation of the leptonic decay of the rho' (1250). (DESY – 77/59) 356491
Measurement of the photoproduction phases of the rho, ω, and phi mesons. (DESY – 77/56) 353934
Measurement of the real part of the virtual compton amplitude and of the invariant mass yield of the photoproduced e^+e^- pairs in the mass range 1,500 < m < 2,000 MeV. (DESY – 77/60) 356492
Metz, H.
Formation and migration energies of monovacancies in tantalum. 351776
Metz, K.
A polarimetric investigation of the eclipsing binary XY Ursae Majoris. 372171
Metz, W.D.
Energy for the future. 355661
Reprocessing alternatives: the options multiply. 349375
Metz, W.P.
Criteria: waste tank isolation and stabilization. (ARH-CD – 784) 363675
Metzger, A.E.
Application of nuclear techniques for measurements near Jupiter. 377641
Computer-generated maps of lunar composition from gamma ray data. (LA-UR – 77-1487) 361660
High-energy proton radiation damage of high-purity germanium detectors. (LBL – 7218) 380001
Metzger, F.R.
Nuclear resonance fluorescence in ^{91}Zr . 359508
Metzger, H.
Investigations of the influence of oxide fuel and fission products on the mechanical properties of Zry-cladding tubes under accident conditions. (KFK – 2435) 358189
Metzger, J.C.
Transport, handling, and interim storage of intermediate-level transuranic waste at the INEL. (TREE – 1172) 380056
Metzmacher, K.D.
Modulated fast bump for the CPS continuous transfer. 363221
Metzner, W.
Polyester moulding – and coating materials to be hardened by UV-irradiation. 354441
Meucci, M.
An investigation of the long-range interatomic potential Na-Kr by observing broadening and shift on the Na D_1 line. 353271
Meuer, D.
High resolution inelastic electron scattering and the excitation of magnetic dipole and quadrupole states in nuclei. (IKDA – 77/13) 364796
Meuldermans, R.
Long range correlations in forward quark-(anti-) quark scattering in QCD. 363812
Meulders, J.P.
Measurement and MIA analysis of the neutron differential cross section and polarization in the α-D break-up at 33 MeV c.m. 354230
Neutron beam facility at the Louvain-la-Neuve isochronous cyclotron; cross sections for fast neutron production. 379484
Pre-therapeutic radiobiological experiments performed at Cyclone with d(50)-Be neutrons. Comparison of RBE/absorbed dose relationships obtained for several biological criteria. 379047
Meulemeester, E. de
Effect of anisotropy on Zircaloy cladding creep in PWR. 370908
Meulen, J.V.D.
Gallium scintigraphy for inflammatory masses. 352106
Meuller, G.
On sawtooth oscillations and MHD modes in the W VII A stellarator. (INIS-mf – 3963) 371780
Meunier, J.P.
Study of completely continuous non-local potentials. 355800
Meurin, G.
Evaluation of potential radiation exposure around nuclear installations in the Federal Republic of Germany. Methods and practice. 367734
Meuser, R.B.
Structural support system for a superconducting magnet coil. (LBL – 6161) 367977
Meussner, R.A.
Metallurgical processing, structure, and superconducting transition temperature of V_3Ga. 357261
Meuti, M.
Thermotranssmission measurements on slef-supporting metal films. (INFN-LNF – 77-5(R)) 368873
Meuzelaar, H.L.C.
Studies on soil humic compounds, fungal melanins and model polymers by pyrolysis mass-spectrometry. 356945
Mewaldt, R.A.
Neutral particle background in cosmic ray telescopes composed of silicon solid state detectors. 374345
Mewe, R.
Measurements of A0620-00 with ANS. (CONF-7510169 –) 364290
Observations of Cygnus X-3 by ANS. (CONF-7510169 –) 364289
Mewhinney, J.A.
Generation of uniform density transuranium oxide aerosols by gas phase neutralization of acidic droplets. (LF – 56) 365326
Inhalation toxicology of industrial uranium and plutonium mixed oxides. I. Generation of aerosols from dry powders and preliminary rodent studies. (LF – 56) 365419
Occurrence and lobar distribution of lung cancer in Syrian hamsters induced by intratracheal administration of ^{210}Po (preliminary report). (LF – 56) 362729
Radiation dose pattern following inhalation of monodisperse and polydisperse aerosols of $^{241}AmO_2$ in beagle dogs. I. (LF – 56) 365445
Radiation dose patterns in beagle dogs following inhalation of monodisperse and polydisperse aerosols of $^{238}PuO_2$. (LF – 56) 365446
Removal of inhaled ^{241}Am oxide of various particle sizes from beagle dogs by lung lavage and chelation treatment. (LF – 56) 362747
Spatial and temporal distribution of PuO_2 aerosol particles deposited in the lung of a rodent via inhalation. II. (LF – 56) 365418
Toxicity of inhaled $^{238}PuO_2$ in beagle dogs. A. Monodisperse 1.5 μm $^{238}PuO_2$. B. Monodisperse 3.0 μm $^{238}PuO_2$ particles. III. (LF – 56) 362740
Toxicity of inhaled $^{239}PuO_2$ in immature, young adult and aged Syrian hamsters. IV. (LF – 56) 362732
Toxicity of inhaled alpha-emitting radionuclides: an experimental approach. (LF – 56) 365430

Toxicity of inhaled polydisperse aerosol of $^{239}Pu(NO_3)_4$ in Syrian hamsters. II. (LF – 56) 362744
Toxicity of inhaled polydisperse or monodisperse aerosols of $^{238}PuO_2$ in Syrian hamsters. IV. (LF – 56) 362742, 362743
Meyder, R.
Model calculation on fuel rod behaviour during LOCAs using the programme system SSYST-MOD 1. (AED-Conf – 76-699-005) 365582
Sample calculations on fuel rod behaviour during a LOCA with the code system SSYST-MOD 1. 373845
Theoretical investigations of the fuel rod behavior during a LOCA. (KFK – 2435) 357799
Meyendorf, N.
Temperature dependence of the positron annihilation by dislocations and vacancies in nickel. 363995
Meyer-Ebrecht, D.
Novel techniques for medical X-ray diagnostics – an impetus to non-destructive testing. 367991
Meyer-Heine, A.
Safety analysis of the fast breeder reactor confinement main problems: application to Super Phenix. 379282
Safety conclusions from start-up tests and from the analysis of the core behaviour of Phenix. (CONF-761001 – P1) 362882
Meyer-Renschhausen, M.
Energy policy in the FRG from 1950 until today. 376800
Meyer-Schuetzmeister, L.
Energetic charged particle yields induced by pions on complex nuclei. 359494, 378009
Gamma decay and lifetime measurements of the isomeric 19-/2 state in ^{43}Ti. (ANL – 77-60) 378035
Gamma rays from pion-induced reactions. (ANL – 77-60) 378008
Meyer-ter-Vehn, J.
Investigation of isub(13/2) excitations in ^{197}Hg and ^{191}Pt. 372774
Investigation of the $i_{13}/_2$ excitation in ^{197}Hg. (ZfK – 336) 364790
Meyer-Wachsmuth, H.
Elastic π^0 electroproduction above the resonance region. (DESY – 77/42) 364562
Meyer, A.
E.P.R. in Gsub(x)Cesub(y)Lasub(1-x-y)Be_{13} and Gdsub(x)Cesub(1-x)Be_{13} intermetallics with high electron lattice relaxation. 350736
Meyer, D.I.
Measurement of phi production in proton-nucleus collisions at 400 GeV/c. 366877
New limits on D^0(1.865) production in proton-nucleus collisions at 400 GeV/c. 361882
A search for neutral heavy leptons. 356514
Meyer, E.A.
A 14 MeV intense neutron source facility. 355167
Meyer, F.W.
Electron transfer between multicharged ions and atomic hydrogen. 358806
Meyer, G.
Inability of naloxone to change brain morphine levels in tolerant mice. 362809
Meyer, G.L.
Recent experience with the land burial of solid low-level radioactive wastes. 358532
Meyer, H.
The concentration susceptibility in He^3-He^4 mixtures near the superfluid transition. 366809
Evidence for the tau → γrhoπ decay mode. 372500
Image intensifier gamma camera with a position-sensitive silicon strip detector. 355521
Interstitial atom clustering at ^{57}Co impurity atoms in aluminium after electron and neutron irradiation. 370187
Measurement of the branching ratios for the decays J/psi(3.1) → fω and J/psi(3.1) → Bπ. 372506
Measurement of the J/psi radiative decay into f^0(1270)γ. 377779
Thermal concentration gradients and the thermal diffusion ratio in ^{3}He-^{4}He mixtures near the tricritical point. 366807
Ultrasonic propagation in ^{3}He – ^{4}He mixtures near the tricritical point. 351129
Meyer, H.D.
Convergence results and asymptotic error estimates for Galerkin-type spectral synthesis. 374128
Meyer, H.J.
Ultrasonic in-service inspection of reactor pressure vessels. 370824
Meyer, H.O.
Pion absorption by ^{3}He. 377963
Meyer, H.U.
Genetic effects of low x-ray doses. Progress report, October 1, 1976 – September 30, 1977. (COO – 2001-17) 373512
Meyer, J.
Heating of a z-pinch plasma by CO_2-laser radiation. 377486
Stimulated scattering in a plasma filling an optical cavity. 364228
Time resolved x-ray photography of a dense plasma focus. 356094
Meyer, J.D.
Investigation of the current induced phase transition of superconducting tin whiskers with several potential probes. 359962
Mutual influence of voltage steps in the V-I characteristics of current-carrying superconducting tin whiskers. 359961
Meyer, J.E.
Utility needs for fuel rod modeling capability. 360898
Meyer, J.F.
LMFBR accident energetics and their role in licensing. (CONF-761001 – P2) 365609
Vapor pressure equation-of-state in core disassmbly calculations. 352201
Meyer, K.
Correlations between the generation of boundary layers on metals, wear and corrosion. 375735
Integral representation of the GREEN function for time-dependent processes in one-group diffusion approximation. 355252
Principles of education and training of industrial engineers for nuclear power plants. 371310
Meyer, L.
Development of components for the gas-cooled fast breeder reactor programme. 379752
The energy-angle distribution of heavy particles penetrating solids. 371646
Meyer, L.W.
Impact of weld metal structures on the formation of the plastic zone in high-tensile steels. 354564
Meyer, M.
Health physics system scheme for the uranium purification plant. (IEA – 400) 355022
Meyer, M. de
Solvent extraction with thiothenoyltrifluoroacetone and fluorined β-diketones for the determination of metal traces in waters by atomic absorption spectroscopy. 356948
Meyer, O.
Depth profiling of oxygen in oxidized ceramic Si_3N_4 with the backscattering technique. 354299
Ion beam surface layer analysis. Vol. 1. 362546
Ion beam surface layer analysis. Vol. 2. 361918
Meyer, P.
The emergency cooling system of the KNK-II reactor. 376589
Photofission studies with monoenergetic photons. (BNL-NCS – 22500) 364746
Meyer, R.
Extraordinary Hall effect in rare-earth – cobalt amorphous films. 351728
Irradiation facility for ionizing radiation. (German (F.R.) patent document 2526294/A/) 355553
Resistivity $DyNi_3$ and $HoNi_3$ amorphous alloys. 365133
Safety and process instrumentation – concept. 376456
Meyer, R.A.
Cluster-vibrational-field model for ^{95}Mo and levels populated in the decay of ^{95}Tc/sup m ,g/. 351391
Evidence for the coexistence of shapes in even-mass Cd nuclei. 356629
The lifetime of the 376.7-keV level and shape coexistence in ^{111}Ag. 356772
Unique first forbidden beta decay of ^{183}Re and ^{185}Os. 359464
Meyer, R.D.
Circuit designs for measuring reactor period, peak power, and pulse fluence on TRIGA and other pulse reactors. (SAND – 77-0462) 358318
Meyer, R.E.
Solution for remote handling in accelerator installations. 363175
Meyer, R.F.
Wave functions for relativistic three particle systems. 356396
Meyer, R.L.
Wave absorption near the electron cyclotron frequency. (EUR-CEA-FC – 912) 358941
Meyer, T.
Measurements of the total elastic and inelastic diffraction cross section and tests of factorization at the CERN-ISR. 372531
Meyer, V.
A detailed analysis of the reaction ^{92}Zr(p, α)^{89}Y. 377891
Meyer, W.
Effect of the azimuthal angle on fast-neutron concrete albedos. 374160
Exposure to radiation of the personnel during preparation and application of radiopharmaceuticals. (INIS-mf – 4010) 370651
Forward photoproduction of neutral pions on polarized protons in the third resonance region. 366890
Photoproduction of pions on polarized protons and neutrons in the second resonance region. (BONN-HE – 77-11) 369342, 372502
Reactor materials investigations and development. (KFK – 1277/2) 371052
Repair and inspection methods in nuclear power plants with a view to low radiation exposure. 370861
Thermodynamic of liquid ^{4}He. 352373
Meyer, W.G.
Central collisions of relativistic heavy ions. 359486
Multiplicity and charged particle emission in relativistic heavy ion collisions. (LBL – 6537) 362066
Meyerhof, W.E.
Effect of spin-orbit coupling on 2p/sub 1/2/-2p/sub 3/2/ rotational transitions in heavy-ion collisions. 358698
K-vacancy production in heavy-ion collisions. II. Multiple- and single-collision excitation in the 2psigma molecular orbital. 350658
K-vacancy production in heavy-ion collisions. III. 1ssigma excitation. 350561
Multiple-collision 2p.sigma-vacancy production in heavy-ion collisions with solid targets. 353308
Probability of forming 1s sigma vacancies in 625 MeV Xe + Au, Pb, Bi, and Th collisions at small impact parameters. 371457
Yield of 2psigma molecular-orbital x rays in heavy-ion collisions. 358697
2p.sigma-vacancy sharing in heavy-ion collisions. 353309
Meyers, C.
Model-independent analysis of the reaction $\pi^+p \rightarrow \pi^+\pi^-\Delta^{++}$. 369369
Meyers, F.B.
Ultrasonic pulse-echo determination of burn depth in partial-thickness burns. (ORNL – 5171) 367628

Meyers, R.E.
Ozone transport from stratosphere to troposphere. 360195
Meyers, S.N.
Case of myocardial abscess evaluated by radionuclide techniques: case report. 373691
Meyerstein, D.
Complexes of cations in unstable oxidation states in aqueous solutions as studied by pulse radiolysis. 378533
Pulse radiolysis as tool to study intramolecular electron transfer reactions. (INIS-mf – 3663) 355101
Meyn, R.E.
Response of Chinese hamster ovary cells to fast-neutron radiotherapy beams. II. Sublethal and potentially lethal damage recovery capabilities. 365350
Meyrath, J.
Inactivation of T_4-phages by heat and γ-irradiation treatment in respect to sludge hygienization. (SGAE – 2739) 373497
Mezentseva, L.P.
Radiationless losses from sup(4)Fsub(3/2) metastable state of Nd^{3+} in lanthanum pentaphosphate crystals. (INIS-mf – 3955) 362166
Study of the effect of anomalously weak quenching of Nd^{3+} ion luminescence in Lasub(1-x) Ndsub(x) P_5O_{14} crystals. 374600
Mezey, G.
He backscattering and infrared absorption studies of natural diamond containing high concentrations of implanted silicon. 370123
Mezhevich, A.N.
Method for the X-ray fluorescence analysis of suspensions. (Soviet patent document 448374/A/) 360581
Vessel for x-ray analysis of liquid mixtures in flow. (Soviet patent document 494646/A/) 351452
Mezhevov, V.S.
Experimental facility with an isothermal plasma pulse generator for investigations of MHD flow. 372316
Mezhiborskaya, Kh.B.
Instrumental analysis of environment contamination using x-radiation excited by charged particles and photons. 349180
Mezhova, N.Ya.
Connection between plastic deformation in fractures and rupture characteristics. 373191
Mezner, Yu.
Elastic scattering of ^{14}N ions on ^{6}Li and ^{6}Li disintegration at 19.5 MeV. 369491
Mezzanarese, F.
Angular correlation in the $^{7}Li+{}^{3}He \rightarrow 2\alpha+d$ reaction at $E_3He = 4.7$ MeV. 356733
Miannay, D.
Influence of physio-chemical parameters on the mechanical properties of some isotropic uranium alloys. 373244
Miao, C.
Numerical simulation of the two-dimensional boiling (voiding) in LMFBR subassemblies. (CONF-761001 – P4) 362981
Miasnikov, A.
Absorption constant of control rods as a critical parameter. 379534
Micaud, G.
Isotropic nuclear graphites; the effect of neutron irradiation. (CEA-CONF – 4031) 370184
Micek, S.
Backward emission of ^{8}Be in the $(\alpha,{}^{8}Be)$ reaction and possible connection with ALAS. (INP – 898/PL) 372736
Micelmacher, G.V.
A measurement of the electromagnetic size of the pion from direct elastic pion scattering data at 50 GeV/c. 353922
Micha, D.A.
Role of molecular momentum distributions in impulsive collisions. 363907
Michael, B.D.
Fast kinetics of the oxygen effect in irradiated mammalian cells. 378983
Michael, I.
Experimental research on the mass transfer in pressurized water. (AED-Conf – 77-316-006) 365085
Michael, J.V.
Absolute rate of the reaction of Cl(p-2) with molecular hydrogen from 200-500°K. (N – 77-14825) 362223
Michael, W.H. Jr.
Viking relativity experiment. 366755
Michaelides, P.
Study of the planarity in $K^{-}p$ reactions at 8.25 GeV/c. 369379
Michaelidou, Ch.
Study of the planarity in $K^{-}p$ reactions at 8.25 GeV/c. 369379
Michaelis, E.G.
Reconstructed CERN 600 MeV synchro-cyclotron. 363131
Michaelis, H.
49 theses on energy policy. 376801
Michaelis, U.E.
PRESTO – a computer code system for calculating shields of cylindrical and spherical gamma sources. 372574
Michaelis, W.
Determination of conveyor-flow parameters by gamma-ray transmission analysis. 376694
Uranium anomaly in Black Sea sediments. 351956
Michaels, H.B.
On the reaction of hydrated electrons with oxygen. 359803
Michaels, T.E.
Development of ultrasonic examination methods for austenitic stainless steel weld inspection. 352432
Michaelsen, R.
Critical exponent β for hyperfine fields in nickel. 374679
Michaille, P.
The kinetics of the U(IV)-Fe(III) reaction in water-ethylene glycol and ethylene glycol media. 357105
Michalik, I.
Redistribution of phosphate in different organic phosphorus compounds in maize roots. 379147
Michalik, J.
Distribution of absorbed dose of ionizing radiation in bone in simulated therapeutic irradiation measured by means of electron spin resonance technique. 379350
Michalik, J.S.
Isotopic method for determining nonmetallic oxide inclusions (products of the deoxidation process) in steel. 373959
Michalitsanos, A.G.
Mass loss, long-period variables, and the formation of circumnebular shells. 359108
Michalowicz, A.
A measurement of the polarization parameter in large angle proton-proton elastic scattering at 7.9 GeV/c. 356484
Michalowski, S.
Experimental study of nuclear shadowing in photoproduction. 359342
Michalski, L.
Effects of ionizing radiation on changes in the level of gibberellin-like substances during Scotch pine seeds germination. 373509
Effects of ionizing-radiation and post-radiation action of some plant growth regulators on the seed germination and seedling growth of Scotch pine. 367476
Michalsky, J.J.
Multicolor linear and circular polarization of AM Herculis. I. a preliminary geometrical model. 359130
Michard-Vitrac, A.
U-Pb ages on single zircons from the Early Precambrian rocks of West Greenland and the Minnesota River Valley. 357486
Michaud, G.
Stratification of elements in a quiet atmosphere: diffusion processes. 369162
Michaud, Georges
Elemental diffusion in stars. 359131
Michaut, J.P.
Structure of the $HNCH_2CO_2^{-}$ radical trapped in α glycine single crystals. 369789
Michejda, J.A.
Resonant electron scattering from vibrationally excited N_2. 353387, 377146
Michel-Beyerle, M.E.
Sensitized charge carrier injection into organic crystals studied by isotope effects in weak magnetic fields. 354324
Michel, A.
Introducing experimental evidence in the critical aspects of SNR fuel design. 368218
Michel, B.
A separation of the transverse and longitudinal cross section in a coincidence π^{+} electroproduction experiment. A measurement of the pion radius. (LYCEN – 7702(pt.1)) 359454
Michel, C.
Effect of pions on germ cells and occurrence of mutations. (LA-tr – 77-67) 379006
Effect of pions on the embryonal development of the mouse. (LA-tr – 77-77B) 379008
Effects of low-dose irradiation with X-rays and pi-mesons on embryos of two different mouse strains. 360265
Preclinical experiments with the SIN negative pi-meson beam. RBE values for tumour and normal cell systems, and genetic damage studies in the beam peak and plateau regions. 378963
Radiation damage in mouse embryos exposed to 1 rad X-rays or negative pions. 357582
Michel, D.J.
Fatigue crack propagation in neutron irradiated type 304 and type 308 stainless steel plate and weld materials. 373366
Observations of the dislocation substructure produced by elevated temperature fatigue crack propagation in the type 316 stainless steel. 357425
Transient ion-simulated irradiation-induced creep of nickel. 360110
Michel, E.
Burst protection for reactor pressure vessels using a hinged support bearing. 355302
Installation on steam generators for mounting the tubes of vertically fitted U-tube bundles in a transverse plane. (German (F.R.) patent document 1776098/C/) 350138
Nuclear power plant. (German (F.R.) patent document 2258226/B/) 350194
Nuclear reactor plant. 355270
Steam generator for pressurised water nuclear reactor. (German (F.R.) patent document 2128879/C/) 355403
Steam generator. (German (F.R.) patent document 2358830/A/) 350228
Michel, F.
Optical model description of anomalous elastic and inelastic α-^{40}Ca scattering between 20 and 50 MeV. 351298
Utilization of cyclotron produced fast neutrons in the activation analysis for oxygen. 372905
Michel, F.C.
Accretion magnetosphere stability. II. Polar cap "drip". 359132
Michel, J.
Contribution to the improvement of the sodium chloride air filter test method. 360494
Michel, L.
Collimated soft X-rays from the plasma focus. 371886
Microinstabilities in the plasma focus. 353629

Suprathermal microwave emission from the plasma focus. 366553
Michel, R.
Computer assisted multielement analysis of terrestrial and extraterrestrial materials and studies on long-lived cosmogenic ^{53}Mn by neutron activation. 378095
Michel, R.C.
Steady state heat transfer in ORR irradiation capsules. (ORNL/MIT – 227) 352799
Michelassi, C.
Regional myocardial perfusion in patients with atherosclerotic coronary artery disease, at rest and during angina pectoris induced by tachycardia. 360381
Micheletti, S.
Use of a MWPC in a big magnetic spectrometer as a counter hodoscope for fast majority discrimination. 379873
Micheli, R.P.
Molybdenum(0) catalysis of [1,5]sigmatropic carbon migration in unsaturated [4.4.2]propellanes. Deuterium isotope effects, kinetics, and mechanism. 378365
Michelutti, B.
Magnetization reorientation in $HoCo_2$. 365134
Michenfelder, J.
Pharmacologically induced heterogeneous myocardial blood flow detected with rapid rescanning. 354948
Micheron, Francois
X ray detection device. 361047
Michette, A.G.
Measurement of an effective quark mass from inclusive neutrino and antineutrino nucleon reactions. 353963
Search for strangeness changing neutral currents induced by neutrinos in GARGAMELLE. 361875
Strange particle production by antineutrinos. 356505
Michigishi, Takatoshi
Diagnosis of cold thyroid nodule with ^{201}Tl scintigraphy. 367717
Michiguchi, Yoshihiro
Defectiveness detector. 368063
Michon, M.
Near UV photophysics of gaseous UF_6. 366384
Michukova, N.Yu.
Macrokinetic features of tungsten anodic dissolving in alkali solutions. 349406
Particularities of anodic dissolution of rhenium in neutral and alkaline solutions at high current densities. 378245
Micic, O.
Waste water processing with radiation; destruction of organic pollution in water. (IAEA-R – 1527-F) 357167
Mickens, R.E.
Properties of scattering amplitudes that increase linearly with energy. 353120
Upper bound on total cross sections. 353119
Mickle, D.G.
Uranium favorability of the San Rafael Swell area, east-central Utah. (GJBX – 72(77)) 373412
Mickle, M.H.
Modeling and simulation. Volume 7, Part 2. 361169
Micklewright, C.
A report on the Basque Superconducting Solenoid project. 360720
Micklinghoff, I.
Alternative approach to the R-matrix description of the shell model continium. 375128
Micklinghoff, M.
Resonance scattering with modified continuum states. I. 377918
Resonance scattering with modified continuum states. II. 377919
Micu, L.
Parity nonconserving effects in nuclei. 355734
Miczaika, T.
Photoproduction of pions on polarized protons and neutrons in the second resonance region. (BONN-HE – 77-11) 369342, 372502
Middelboe, V.
Advantages and limitations of mass- and photo-spectrometry in nitrogen-15-aided studies. 356964
A newly established course in radiation protection for veterinary and agricultural post-graduates. 355679
Middelkoop, G. van
Magnetic pulses occurring during passage of ions through ferromagnetic materials. 368677
Precise excitation energy and γ-ray decay of the lowest T=2 state in ^{40}K. 356895
Spectroscopy of ^{27}Si with the $^{24}Mg(\alpha,n\gamma)^{27}Si$ reaction. 367006
Spectroscopy of ^{39}Ar with the $^{36}Sn(\alpha,n)$ and $^{38}Ar(d,p)$ reactions. (INIS-mf – 4267) 378065
The transient magnetic field at low ion velocity. (INIS-mf – 4267) 378049
Middelkoop, W.C.
Target stations and beam dumps for the CERN SPS. 363268
Middleditch, J.
Measurement of the masses of the neutron star, Her X-1, and its binary companion, HZ Her, as derived from the study of 1.24-second optical pulsations from the HZ Her – Her X-1 binary system and the x ray-to-optical reprocessing reflection and transmission mechanisms. 372222
Middleton, C.J.
Application of photoemission electron microscopy to the study of diffusional phase transformations in steels. 362431
Middleton, H.W.
Glove corrosive liquid immersion and permeability study. (GEPP – 322) 363050
Middleton, J.
Automated design optimization to minimize shearing stress in axisymmetric pressure vessels. 358072
Middleton, J.E.
Nuclear reactors. (UK patent document 1491232/A/) 368187
Middleton, R.
^{34}Cl via the $^{32}S(^3He,p)$ reaction. 351334
Alpha transfer to 4p-4h states in ^{40}Ca. 372708
Location of 0^+ 4p-2h and 6p-4h configurations in ^{42}Ca. 372753
Spectroscopy of ^{16}C. 356762
Upper limit for the presence of superheavy elements in monazite from Madagascar. 351392
Midorikawa, Shoichi
Signatures of unusual Higgs boson in vectorlike gauge theories. 353833
Two kinds of muon number nonconservation. 359269
Midzuno, Yukio
DC current in the collisionless limit induced by a travelling wave. (IPPJ – 284) 366597
Trapping and detrapping in a single wave and particle acceleration in a magnetoplasma. (IPPJ – 263) 353637
Miedema, A.R.
Heat of formation of solid and liquid alloys of transition metals. 357307
Miehe, C.
Decay of ^{46}Ar. 369488
Gamma-ray spectroscopy of ^{37}Cl via the $^3H(^{35}Cl,p\gamma)^{37}Cl$ reaction. 356699
Miehe, J.A.
Impulse response of curved microchannel plate photomultipliers. (CRN-CNPA – 77-11) 355507
Mielczarek, M.
A scattering chamber with solid state counters for a magnetic spectrometer. 376652
Mielke, E.W.
Outline of a new geometrodynamical model of extended baryons. 359292
Positive energy in U_4 theory. 355801
Quantum field theorie in the de Sitter space. 348603
Mielken, G.
Fission product release from coated particles embedded in spherical fuel elements for high-temperature reactors. 365916
Mienska, M.
Electrical conductivity of some irradiated organic matrices at low temperatures. 354437
Miera, F.R. Jr.
Continued studies of long-term ecological effects of exposure to uranium. (LA – 6742) 357470
Miertschin, G.N.
Nuclear fuel element and method for its production. (German (F.R.) patent document 2614677/A/) 352490
Miettinen, H.E.
High-P/sub transverse/^{2} p-p elastic scattering in pure initial spin states. 359343
Miettinen, J.K.
Plutonium and americium in the foodchain lichen-reindeer-man. (CONF-770409 – 11) 362761
Plutonium in Baltic sediments. (CONF-770409 – 10) 367411
A university hot laboratory for teaching and research. 360657
Migachev, B.A.
On evaluation of the steel hot plasticity by extension of samples with notches. 358029
Migachev, S.A.
Spectroscopy of admixture centers of iron in crystals of lithium niobates. (INIS-mf – 3955) 378227
Migai, L.I.
Hydrogen permeability into niobium during cathodic polarization in hydrochloric acid. 365132
Migaj, L.L.
Corrosion resistance of materials in chlorine. (INIS-mf – 3839) 365086
Migal', V.P.
Effect of the wurtzite-sphalerite boundary on electrophysical properties of monocrystals. 348824
Migalenya, V.Ya.
Analysis of γ-ray angular correlations for nonzero spin target nuclei. (KFTI – 75-15) 361996
Angular distribution of gamma rays from the $^{31}P(p\gamma)^{32}S$ reaction. 375185
Electromagnetic transitions in light nuclei. (KFTI – 75-15) 361997
Fine structure of isobaric analog state in ^{23}Na. (KFTI – 75-15) 361999
Radiative capture of protons by ^{31}P nuclei. 359501
Migdal, A.A.
Multicolor QCD as dual resonance theory. (KFKI – 77-19) 355802
Migdal, A.B.
Distribution of a vacuum charge near supercharged nuclei. 377920
Pion condensation and the region of stability of anomalous nuclei. 375129
Miglierina, A.M.
Stability constants of some complexes of Argentine humic acids and micronutrients. 357662
Miglio, J.J.
Analysis of biological samples for americium and curium. (LF – 56) 364893
Rapid method for determining the relative solubility of plutonium aerosols. (LF – 56) 365281, 365447
Solubility characteristics of some laboratory-produced mixed oxide aerosols. (LF – 56) 365330
Toxicity of inhaled alpha-emitting radionuclides: an experimental approach. (LF – 56) 365430
Migliori, A.
A low cost synchronous digital triangle generator and servo loop

preamplifier for Moessbauer systems using 2sup(n) channels of memory. 355554
Migliuolo, S.
Nonlinear saturation of two unstable modes; survival competition. 364251
Migneco, E.
Fission isomers produced by fast neutrons on a ^{240}Pu target. 359472
Mignerey, A.
Evaporation residue excitation functions for ^{35}Cl induced reactions of $^{112\ 120}$Sn and ^{141}Pr. 354174
A quasi-free scattering preequilibrium model for (N, α) reactions. 354108
Statistical analysis of heavy-ion induced fission excitation functions. 364652
Mignot, J.M.
Nuclear-induced resistivity drop in the Kondo alloy Au-^{171}Yb. 354518
Migulin, v.v.
ARAKS – controlled or puzzling experiment. 376041
Migulya, V.S.
Device for absorption X-ray radiometric analysis. (Soviet patent document 493712/A/) 372835
Migun'kov, O.A.
Determination of neutron mean number on fission event of ^{252}Cf. (INIS-mf – 3896) 357875
Migunova, I.I.
Polymerization of solid N-phenylmaleimide. Specific features of growth of the polymer chain and determination of the reaction volume. 367169
Mihai, I.
Investigation of the accuracy that can be obtained in the thermal neutron flux determination. 356532
Proton scattering on ^{238}U and the probable isobaric analogue resonances. 356579
Mihai, V.
Temperature and pressure dependence of the magnetocrystalline anisotropy of gadolinium. 357308
Mihailescu-Brancus, M.I.
Investigation of the accuracy that can be obtained in the thermal neutron flux determination. 356532
Mihailescu, I.
Proton scattering on ^{238}U and the probable isobaric analogue resonances. 356579
Mihailescu, I.N.
Charge collection measurements on TEA CO_2 laser produced plasma on metallic targets. 377331
Postcritical-density stationary plasma on highly absorbant (metallic) targets in vacuum under TEA-CO_2 laser radiation. 366496
Mihailovic, M.V.
A microscopic theory of collisions between complex nuclei based on the generator coordinate method. 356630
Mihajlovicj, A.
Reliability of copper based alloys for electric resistance spot welding. 378651
Mihalache, D.
A simple Green function approach to the Dicke model with external fields. 355803
Mihalas, D.
Boundary condition with mass loss: the radiatively-driven wind model. 369163
Mihalca, I.
A magnetoelastic method to detect the reversal of the magnetization in cylindrical magnetostrictive layers. 356049
Mihalczo, J.T.
Neutron time behavior for deuterium neutral beam injection into a hydrogen plasma in ORMAK. (ORNL/TM – 6035) 368941
Reactivity from power spectral density measurements with ^{252}Cf. (ORNL/TM – 5475) 358296
Relation of neutral beam injection to impurity behavior and extension of plasma parameters in ORMAK. (INIS-mf – 3963) 371934
Miharada, Hassui
Atomic power plant. 350202
Method and apparatus for condensing radioactive rare gases by means of use of ejector and selective adsorption and desorption process including cycles. 350393
Mihashi, Norio
Clinical effect of Cystenosine on leukocytopenia at the time of therapy with radiation and antineoplastic agents. 362706
Mihelcic, D.
Rate constants for the reaction of hydrogen and deuterium atoms wtih silane. 351529
Mihelich, J.W.
Band structure in $^{147\ 149\ 151}$Eu observed via (HI,xn) reactions. 351350
Miida, J.
Nuclear power programmes and medium-term projections in the OECD area. 366142
Mijailovicj, R.
Analysis of the radioactive products in reactor primary coolent medium. 379136
Mijnheer, B.J.
Build-up and depth-dose characteristics of different fast neutron beams relevant for radiotherapy. 373896
Mika, C.
Loads on pressure vessel internals due to subatmospheric-pressure waves. 370872
Mikaehlyan, R.A.
Investigation of structural perfection of semiconductor crystals and heterostructures by means of synchrotron radiation. (EFI – 206(52)-76) 379971
Mikaelian, K.O.
Weak neutral currents and photoproduction of lepton pairs. 356448
Mikami, Hisashi
Pressure recovery in a diffuser for gas centrifuge. 379365
Mikami, Masatsugu
A case of chronic myelogenous leukemia with atypical clinical course seen in a radiological worker. 379077
Mikami, Nobuyoshi
Stereoselectivity in metabolism of the optical isomers of cyanofenphos (O-p-cyanophenyl O-ethyl phenylphosphonothioate) in rats and liver microsomes. 349866
Mike, V.
Patterns of second malignant neoplasms in children. 373571
Mikenberg, G.
Evidence for the F meson. 353947
Measurements of tau decay modes and a precise determination of the mass. 372505
On the semileptonic decay of charmed hadrons. 356496
Mikerov, V.I.
Some problems in ultracold neutron physics. (INIS-mf – 3895) 355493
Mikesell, C.R.
Automated ultrasonic testing – capabilities, limitations and methods. 370811
Mikhael, M.A.
Correlation between computerized transaxial tomography and radionuclide cisternography in dementia. 352098
Mikhailichenko, A.I.
Investigation of rare earths extraction by branched monocarboxylic acids. 351530
Mikhailin, A.V.
Semiconductor catalyst surface state investigation by positron annihilation method. 368731
Mikhailov, A.P.
Non-linear processes in a dense plasma. (IAEA – 200) 353625
Mikhailov, I.N.
How axial are the "axial" nuclei. (ZfK – 336) 364646
Microstructure of excited nuclear states in the vicinity of an yrast line. 377921
Microstructure of excited nuclear states in vicinity of yrast line. (ZfK – 336) 364704
Two-phase model of rotating nuclei. (ZfK – 336) 364693
Mikhailov, K.S.
Labelling of dicyclohexylcarbodiimide by tritium. 354399
Mikhailov, V.A.
Neutron activation analysis of high purity noble metals (palladium, platinum, rhodium, gold and silver). 375269
Neutron activation determination of noble metals for the analysis of technological and natural materials. 378112
Mikhailov, Yu.V.
Measurement of $\pi^-p \rightarrow \pi^0 n$ at large momentum transfer. 372503
Observation of a meson $X \rightarrow 2\gamma$, with mass 2.85 GeV/c^2, produced in the charge-exchange reaction $\pi^-p \rightarrow Xn$ at 40 Gev/c. 377780
Particle identification in a hodoscope Cherenkov spectrometer. 355520
Study of the reaction $K^-p \rightarrow$ anti K^0n at momenta of 25 and 40 GeV/c. 356482
Mikhajlenko, I.E.
Radiation action on physicochemical properties of bismuth-molybdenum catalyst in oxidative ammonolysis. 373093
Radiation effect on electrophysical properties of iron catalysts in synthesis of ammonia. 373368
Radiation effect on phase transformation. 373367
Mikhajlets, L.P.
Inhibiting action of blood serum of irradiated animals on H^3-thymidine incorporation into DNA of rat thymocytes in vitro. 370367
Mikhajlichenko, A.I.
Extraction of alkali-earth elements and magnezium by α-branched monocarboxylic acids. 357222
Mikhajlin, A.S.
Geophysical exploration study of gas wells in Medvezh'e field. 349612
Mikhajlov, A.I.
Polymerization of solid N-phenylmaleimide. Specific features of growth of the polymer chain and determination of the reaction volume. 367169
Two-photon positron-K-electron annihilation. 355879
Mikhajlov, A.L.
Comparative study of the absorbed dose rate of mixed gamma and neutron radiations in the WWR-M reactor experimental channel for biological studies. 379381
Mikhajlov, A.V.
On complete integrability of two-dimensional classical Thirring model. 371401
Mikhajlov, B.M.
Organic boron compounds. 364941, 373003, 378343
Radiolysis of hydrocarbons in the presence of carboranes-12. 349354, 378528
2-Pyrimidinylaminodialkylboranes. 378250
Mikhajlov, E.S.
Thermal dissociation of $NbSe_2$. 378688
Mikhajlov, G.G.
Thermodynamics of iron deoxidation by titanium in the presence of nitrogen. 375773
Use of solid electrolytes for investigation of systems Mo, MoO_2 and Cr, Cr_2O_3 at 1000-1700 deg C. (INIS-mf – 4189) 375612

Mikhajlov, M.A.
On thermal dissociation of ammonium complex fluorides of zirconium and hafnium. 357011
Peculiarities of the late clinical manifestation of local radiation injury. 367528
Mikhajlov, M.D.
Calculation of heat and mass transfer in chemically reacting turbulent flow in a tube. (INIS-mf – 3953) 379434
Mikhajlov, M.G.
A study of the possibilities for dry decontamination of surfaces with some trivial cleaning agents. 367819
Mikhajlov, V.A.
Activity of ruthenium, rhodium, iridium-ruthenium and iridium-rhodium adsorbed catalysts in dehydrogenation of formic acid. 375515
On synergetic effects in extraction of uranyl salts by the mixtures of di-2-ethylhexylphosphoric acid with tributylphosphate and di-n-octylsulfoxide. 354410
On the cross sections of conduction electrons scattering and on the effective charges of components in binary liquid metal alloys. 349494
Popularities of electron transfer of Cd, Hg, Ga, In, Tl, Sn, Pb, Sb, Bi in their binary dilute liquid alloys. 349493
Study on efficiency of plasma flow energy conversion into electric one on a pulse magnetogasdynamic facility. (INIS-mf – 3954) 361757
Mikhajlov, V.D.
Accelerating tubes for the "Avrora" and "Electron" type high-voltage accelerators. (INIS-mf – 4194) 376385
Mikhajlov, V.F.
Effect of high- and low-polymeric DNA on DNA synthesis in some radiosensitive organs of irradiated animals. 370343
Phosphorolysis and deoxyribosyltransferase reactions of thymidine and deoxyuridine in the organs of irradiated rats. 360266
Mikhajlov, V.M.
Determination of formal potential of Amsup((4))/Amsup((3)) pair in phosphoric-acid solutions. 359747
Factorization of translation-invariant effective interactions. 359424
Mikhajlov, V.N.
Method for rhenium separation from aqueous solutions. (Soviet patent document 479735/A/) 354371
Mikhajlov, Yu.A.
Laser thermonuclear installation 'Delfin'. (INIS-mf – 3963) 371740
Mikhajlov, Yu.N.
Synthesis and crystal structure of potassium trisulfatouranylate, $K_4[UO_2(SO_4)_3]$. 349328
Mikhajlova, L.N.
Polymerization of adiponitrile in the interaction with trimethylboron. 349266
Mikhajlova, N.A.
Kinetics of plutonium reduction with sulfurous acid. 369744, 369745, 369746
Nickel titanate effect on the sintering and certain electrophysical properties of strontium zirconate. 360020
Mikhajlova, T.G.
Structural models of radiation-induced paramagnetic centers in alkali tellurite glasses. 377246
Mikhajlova, V.A.
Investigation of temperature dependence of diamagnetic susceptibility. Effect of different additions on electronic structure of carbonic fibers. 378376
Mikhajlovich, S.M.
Certain indices of immunologic responsiveness in dogs in the delayed time-intervals after administration of polonium. 365396
Mikhajlovskaya, L.V.
Magnetic field configuration in a tokamak with a poloidal divertor. (INIS-mf – 3954) 361510
Mikhajlovskij, A.B.
"Drift" excitation of Alfven waves by trapped electrons in Tokamak at βsub(J) approximately > 1. 348943
Alfven wave instability in a two-component tokamak. (IAE – 2615) 348888
Bounce effects in instability theory of trapped alpha particles in a tokamak reactor. (IAE – 2644) 356123
Effect of trapped electrons on odd "drift" modes in a tokamak. 377483
Nonlinear interaction between a monochromatic wave and particles in a gravitating system. 374579
Plasma instability theory. 366598
Quasi-linear relaxation of a fast ion beam in a tokomak. 368556
Short-wave dissipative trapped-electron instability. (IAE – 2658) 356142
Some problems in the theory of tokamak microinstabilities. (IAE – 2584) 361585
Trapped alpha-particles cyclotron instability in a tokamak with elliptical cross-section. (IAE – 2664) 356124
Mikhajlovskij, A.G.
Nonlinear-susceptibility dispersion of lithium iodate crystal. 361411
Mikhajlovskij, I.M.
Ion microscopy investigation of the impurity trapped interstitials in tungsten. (KFTI – 74-47) 350710
Mikhal'chenko, V.P.
On the anomalous temperature dependence of X-ray interference intensity of V_3Si. 364016
Mikhalenkov, V.S.
Positron annihilation in boron nitride crystals. 371698
Positron interaction with atoms of W-Mo alloys. 368845
Mikhalev, P.S.
To the development of induction cyclic accelerators with a stationary guiding field. 357969
Mikhalevich, A.A.
Approximative theory of heat and mass transfer during condensation of a chemically reacting gase in a vertical tube. (INIS-mf – 3953) 379435
Experimental investigation of heat transfer in a once-through regenerator-evaporator with a chemically reacting coolant. 355126
Mikhalevich, K.N.
On thermal decomposition of alkali metal octacyanomolybdates. 369730
Mikhan, V.I.
Nuclear superheating of steam. Results and current prospects. 365904
Mikheev, M.N.
Control of the heat treatment quality of articles quenched by means of high frequency currents. 357229
Magnetic testing of the mechanical properties of heavy-plate rolled stock of 20K and 09G2 steels. 375755
Mikheev, N.B.
Determination of oxidation potential of the pair Fm^{2+}/Fm^{3+}. 359748
Investigation into rare earth chlorides in hexamethylphosphorotriamide. 375516
The lowest oxidation state of the first half lanthanide series elements. 357106
Mikheev, V.L.
Technique for the determination of the ratio of the charged particle range to the energy. (Soviet patent document 410346/A/) 355495
Mikheev, V.S.
Anodic behaviour of niobium-nickel and tantalum-nickel alloys in acidic solutions. 369714
Mikheeva, M.N.
Oscillations of the critical temperature and resistance in lamellar thin-film vanadium-carbon structure. 369249
Mikheeva, V.I.
Hydride phases in the La-Ni-H system. 349407
Potassium borohydride interaction with molybdenum(5)chloride at heating. 362145
Strontium borohydride preparation by means of exchange reaction in the presence of lithium borohydride. 359658
Synthesis and some properties of vanadium and niobium dihydrides . 359673
Mikheyev, N.B.
Elements of the 5f, 4f and d series. 351614
Mikheyev, S.Yu.
Investigation of He^+ and Ar^+ passage through thin carbon films. (INIS-mf – 3996) 364627
Mikheyeva, M.N.
Observation of superconducting transition temperature oscillations in metal – nonmetal film systems. 351780
Mikhin, S.G.
On a possibility of application of an ion transit recuperator. (INIS-mf – 3954) 361645
Mikhlin, E.B.
Extraction of rare earths from salt solutions of complex composition with carboxylic acids. 359876
Extraction of rare earths with mixtures of TBP and quaternary ammonium base salt from nitrate solutions. 369753
Study of rare earths separation process from radioactive impurities. 357083
Mikhnov, S.A.
Peculiarities of dimensional treatment of materials using ruby laser operating in free generation and single-pulse regimes. 369861
Mikhu, R.
Gamma ray spectrum emitted in the $^{111}Cd(p,n\gamma)\ ^{111}In$ reaction. 375211
Miki, Chihiro
Observations of linear polarization of the Crab nebula during an occultation by the solar corona, (2). 349005
Miki, Kazuyoshi
Fuel assemblies for a light-water nuclear reactor. 360899
Fuel rod for fast breeder. 360989
Nuclear fuel assembly. 368115
Miki, M.
Basic studies of various ⁹⁹sup(m)Tc-labelled renal agents and clinical application of ⁹⁹sup(m)Tc-malate. 352165
Operating experience at Shimane Nuclear Power Station. 352637
Quality assurance in Japan's nuclear power plants. 352967
Miki, Ryota
Comparison of monitoring methods for environmental γ-radiation dose rate. 358381
Radiation hazard control system. 367830
Mikic, B.
Approximate method for predicting temperature distribution in wire wrapped fuel assemblies of a LMFBR. (COO – 2245-37TR) 379787
Mikirova, N.A.
On spatial distribution of solar cosmic rays in the Earth magnetosphere. 357542
Mikityuk, A.D.
Thermal stability and pressure of saturated vapor of zirconium and hafnium acetylacetonates. 369595
Mikk, I.R.
Convective heat transfer in a tube cluster on asymmetric flow-around. (INIS-mf – 3957) 365695
Efficiency of convective circular fins with triangular profiles. 376310
Mikkelsen, D.R.
Constraints on the gravitational constant at large distances. 363817

Very massive neutron stars in Ni's theory of gravity. 364383
Mikkelsen, J.
Structure in electron-loss cross sections for fast light atoms in xenon. 358804
Miklishanskij, A.Z.
Application of neutron-activation and X-ray-radiometric methods for study of microelements behaviour in atmosphere. (INIS-mf – 3994) 378186
Miknis, F.P.
Nuclear spin relaxation spectroscopy. 363911
Mikols, W.J.
Low-order approximation for highly anisotropic multigroup transport cross sections. 363387
Mikryukova, N.A.
On spatial distribution of solar cosmic rays in the Earth magnetosphere. 357542
Mikryukova, T.I.
Numerical study of heat and mass transfer in N_2O_4 turbulent flow in a circular tube and a fuel element cluster. (INIS-mf – 3953) 379436
Miks, B.
Radioiodination of L 1210 cells. 373657
Mikshevich, M.V.
Mechanism of thermal dehydration of Ti and Zr hydroxides. 359679
Mikshevich, V.N.
Application of neutron activation analysis for solution of applied geologic problems. 376001
Mikulaj, V.
Technetate separation from fission products by solvent extraction with CCl_4 solution of tri – n – octyl amine. (INIS-mf – 3849) 378477
Mikulski, A.T.
Investigation of the neutron detection statistics in fast critical assembly BFS-24-1. 355243
Mikulski, J.
The extraction of uranyl nitrate and chloride in octaethyltetraamidopyrophosphate (OETAPP)-HCl, HNO_3 systems. (INP – 906/C) 375638
Mikulski, Z.
Backward emission of ^{8}Be in the (α,^{8}Be) reaction and possible connection with ALAS. (INP – 898/PL) 372736
Mil'chakov, V.I.
Application of x-ray radiometric analysis in geochemistry exploration. 376029
Mil'kyavichene, Z.A.
Generation of acoustic harmonics in laminated structure of CdS piezoelectric-polycrystalline layer. 356055
Mil'man, Yu.V.
Changes in the structure and mechanical properties of the two-phase alloy VKh4 in the process of plastic deformation. 365158
Content of interstitial elements on the surface of molybdenum sheet stratifications. 359904
Mil'ner, A.A.
Detection of spontaneous slant of magnetic sublattices in hexagonal antiferromagnetic $CsMnF_3$. 361462
Mil're, G.
Experimental study of extensive air showers with particle number from 10^5 to 10^6. 362622
Mil'shtejn, A.I.
Interaction between a photon and an intense electromagnetic wave. 353034
Milanese, M.
On the upper pressure limit for the efficient operation of a plasma focus device. 353555
Milanese, M.M.
Evidence of non-thermal processes in a 1-MJ plasma focus device by analysing the neutron spectra. 374845
Milant'ev, V.P.
Drift-kinetic equation for a rarefied plasma in the presence of short wave radiation. 356143
Milde, G.
Experimental techniques and methods of hydrogeological interpretation used for measurements of natural tritium, ^{14}C and ^{32}Si at the Bergakademie Freiberg, GDR. 365304
Milde, H.I.
Repetitive high power switching technology. (EPRI-ER – 376-SR) 361594
Milde, W.
Method to recover uranium from uranium-containing phosphate ores. (German (F.R.) patent document 2531958/A/) 354481
Milder, F.
Inelastic scattering of π^+ Mesons from nuclei at 50 MeV. 369493
Mildner, D.F.R.
Multiple scattering correction to neutron diffraction data of isotropic systems using optimized Monte Carlo techniques. 356018
An optimized Monte Carlo simulation for diffraction experiments using pulsed neutron sources. 356019
Mileev, V.N.
The excitation of the discrete states of the heavy inert atoms by electrons in the Glauber model. 353310
Milenin, E.N.
Effect of ultrasonic treatment on high tensile nickel base alloys properties. (INIS-mf – 3914) 349401
Milenysheva, L.I.
Polarographic determination of tungsten in water. 356959
Miles, J.C.H.
Fission detectors as secondary standards for the measurement of fast neutron fluence. 363583
Miles, K.J.
Comparison of experimental data with COBRA-3M prediction for an LMFBR loss-of-piping-integrity transient. 352245
Miles, P.
Spin adjustment in $(Gd,Dy)Al_2$. 356020
Miles, R.
HTGR fuel failure in the absence of core cooling. 352283
Mileshkin, A.S.
Solid hydrogen target. 357961
Milet, Claude
In-pile creep study on mixed oxide $(U, Pu)O_2$. 360068
Mileva, M.
Chromosomal aberrations in human lymphocytes in vitro chronically irradiated with different doses of gamma-rays. 367455
Milevskij, L.S.
Fermi energy effect on efficiency of injection of radiation defects due to electron irradiation of silicon. 348825
Miley, G.
Energy distributions and radiation transport in uranium plasmas. (CONF-760646 –) 374127
Morphology of extragalactic radio sources. 353701
Miley, G.H.
Advanced-fuel fusion systems. The D-^{3}He satellite approach (the ILB reactors). (EPRI-ER – 536-SR) 371948
Burn stability in a reversed field pinch. (COO – 2218-90) 372039, 377545
Comments about p-^{11}B ignition. (EPRI-ER – 536-SR) 371949
Comments on advanced-fuels and workshop objectives. (EPRI-ER – 536-SR) 371947
CTR plasma engineering studies. Progress report, October 1, 1976 – September 30, 1977. (COO – 2218-91) 361595
D-^{3}He field-reversed mirror as a minimum-size satellite. (EPRI-ER – 536-SR) 371946
D-D-T pellet laser-fusion feedback concepts. (COO – 2007-88) 361596
Direct nuclear pumped laser approaching feedback laser fusion needs. (COO – 2007-87) 361612
Fusion product bombardment of a tokamak first wall. 348924
Laser-fusion employing direct nuclear pumped lasers and advanced fuel (D-D-T) pellets. (EPRI-ER – 536-SR) 371950
New techniques for studying some effects of suprathermal alpha particles. 361607
Potential mirror concepts for radiation testing of fusion reactor materials. 353592
Sensitivity studies on 3.5-MeV alpha bombardment of tokamak first wall. 377429
Miley, G.K.
Radio source angular sizes and cosmology. 366690
Milferstaedt, D.
Vacuum leak detection on ship turbines with helium. 355619
Milgram, M.S.
Tables of the isotopic composition of transuranium elements produced in Canadian D_2O moderated reactors. (AECL – 5904) 360944
Milgrom, M.
Polarization of UV radiation from accretion discs and the possible 39sup(d) period in cygnus X-1. (WIS-PH – 77/29) 364384
Possible 39-d polarisation period in Cyg X-1. 359133
Milham, R.C.
Tritiated methane released from tritium production facilities. (DP – 1455) 367433
Milic, N.B.
The influence of the medium on the hydrolysis and polymerization of actinides. (IAEA-R – 1522-F) 375517
Milinchuk, V.K.
Combined action of an ionizing radiation and light on peroxidase. 370323
Free radical reaction stimulation by stretching of irradiated polymers. 351640
Milishnikov, A.N.
Analysis of monomorphic markers of genes in populations as a method of the estimation of multagenicity of the medium. 354734
Milivojevic, K.
Effect of decontamination treatment in prophylaxis of irradiation at conditions of radiocontamination of normal and damaged skin. 354860
Milivojevic, K.S.
Reaction of some radiosensitive physiological systems to irradiation and injury. 379041
Milivojevicj, K.
Decontamination treatment of the skin contamined with radiation iodine. 370405
Miljanic, D.
Mechanisms in d+^{6}Li three-body reactions at low bombarding energies. 356836
Miljanicj, S.
The training set of personal dosimter-standards for exercising of radiation dosimetry in simulated energency conditions. 370644
Milkhailov, Yu.V.
J/psi production off Be, Cu and W by 43 GeV/c negative pions. 369344
Mill', B.V.
Magnetostriction of yttrium-samarium monocrystalline ferrite garnet. 377221
Millan, J.
Self-consistent model calculations of the ordered S-matrix and the cylinder correction. (LBL – 7235) 377755

Millar, D.P.
Exciton fission and annihilation in crystalling tetracene. 356508
Millar, J.R.
Reaction of e/sub aq/⁻ + H_3O^+. Concentration effects of acid or salts. 367166
Millar, R.P.
Application of ovine luteinizing hormone (LH) radioimmunoassay in the quantitation of LH in different mammalian species. 367633
Millar, W.S.
Excitation of highly excited states by collisions between two excited cesium atoms. 366352
Millegan, D.R.
Reduced variance multiplication meter for plutonium sample verification and assay applications. 380119
Miller, A.
Distribution of energy deposited in plastic tubing and copper-wire insulation by electron beam irradiation. 375700
Miller, A.E.
Distribution of magnetic moment in Ni_3Al. 359915
Fault structures in rare earth – cobalt intermetallics. 362369
Magnetization, magnetostriction, and magnetocrystalline anisotropy in some R_2Co_{17} compounds. 362432
Magnetocrystalline anisotropy in Y_2Co_{17}, Dy_2Co_{17}, and Y_2/sub x/Dy_2/sub$_1$/sub 1-x/Co_{17} (x = 1/3, 2/3). 351781
Miller, A.K.
Flow stress, subgrain size, and subgrain stability at elevated temperature. 357329
Miller, B.
Prognostic classification of Hodgkin disease in pathologic stage III, based on anatomic considerations. 352047
Miller, C.A.
Elastic proton scattering from ^{4}He in the forward direction at 200, 350 and 500 MeV. 362107
Knockout reaction study with a polarized proton beam. 372780
Miller, C.E.
Final report on TREAT Test R3, a single-pin loss-of-flow experiment. (ANL – 77-54) 379251
Miller, C.M.
Residual stress and strain examination in Peach Bottom fuel test elements. (GA-A – 14324) 352705
Miller, D.A.
Recent instrumental neutron activation analysis studies utilizing very short-lived activities. 369544
The 14 MeV neutron activation analysis of Chinese foodstuffs for protein content. 375242
Miller, D.B.
Inclusive V^0 production in anti pp interactions at 12 GeV/c. 353939
Total cross sections for charged-current neutrino and antineutrino interactions in BEBC in the energy range 20-200 GeV. 353945
Miller, D.C.
Computational study of long-range high frequency ionospheric ducting. 362620
Miller, D.G.
Myocardial uptake of /sup 99m/Tc skeletal agents in the rat after experimental induction of microscopic foci of injury. 373673
Miller, D.H.
Electron-muon and electron-hadron production in e^+e^- collisions. 366879
Evidence for a narrow width boson of mass 2.95 GeV. 372519
Inclusive anti K^{*0} (890) production in π^-p interactions at 16 GeV/c. 356507
Observation of the reactions $\pi^-p \rightarrow$ anti pd at 10 and 16 GeV/c. 372520
Production of phi and f' in 10 GeV/c K^-p interactions. 353959
A search for neutral heavy leptons. 356514
Miller, D.J.
Alternative energy sources. 352906
Miller, D.L.
Bakeable, ultrahigh-vacuum compatible, retractable contacting mechanism for in situ thin film resistance and superconductivity measurements. 367922
Miller, D.R.
Scattering of He, H_2, and D_2 from Au(111) surfaces. 368846
Miller, D.S.
Fission- and alpha-track study of biogeochemistry of plutonium and uranium in carbonates of Bikini and Enewetak atolls. Summary report, 1 July 1974 – 31 August 1977. (COO – 3462-14) 379135
Miller, D.W.
Factors affecting uptake and retention of manganese-54 in fish. 362745
Miller, E.L.
Use of ^{35}S-incorporation for the measurement of microbial protein in ruminant digesta. 354894
Miller, E.S.
A measurement of the form factor ratio gsub(1)/fsub(1) in lambda beta-decay. 369363
Search for narrow resonant states in e^+e^- collisions near 6 GeV. 351208
Miller, F.L
Dosimetry for human exposures. (ORNL – 5171) 367525
Miller, F.L.
Public health and demographic statistics. (ORNL – 5171) 367726
Miller, G.
Feedback stabilization experiments using l = 2 equilibrium windings in Scyllac. (INIS-mf – 3963) 371739
Observation of propagating m = 1 waves in Scyllac. 348895
Miller, G.A.
Correlation expansion of the optical potential. 359397
Energy loss and straggling of low energy alphas in helium. 353209
Inelastic scattering of pions to the continuum. (RLO/1388 – 362) 372729
Miller, G.E.
Fast-neutron activation analysis in coal research. 378179
Material balance in coal. 2. Oxygen determination and stoichiometry of 33 coals. (COO – 2898-10) 378178
Miller, G.H.
Electron energy deposition in a multilayered carbon – uranium – carbon configuration and in semi-infinite uranium. (SAND – 77-1191) 372571
Miller, J.
$^{12}C(\pi^-,p)^{11}Be$ reaction induced by pions at rest. (LYCEN – 7702(pt.1)) 369473
Miller, J.B.
Inhibition of human lymphocyte transformation by human alpha-foetoprotein (HAFP): studies on the mode of HAFP action and the role of HAFP polymorphism. 376155
Miller, J.E. Jr.
Mechanical design of the Doublet III indented vacuum vessel. (GA-A – 14591) 371776
Miller, J.F.
Electronic and lattice vibrational properties of thorium hydrides. 362498
Miller, J.H.
Disk-space infection. 362784
Quenching of benzene fluorescence in pulsed proton irradiation: Dependence on proton energy. 351645
Miller, J.M.
A towed sea-bed gamma-ray spectrometer for continental shelf surveys. 376002
Miller, J.P.
An experimental study of the E0, E2 and E4 charge moments of ^{161}Dy using muonic atoms. 369505
Nuclear charge parameters and quadrupole moment in ^{105}Pd from muonic X-rays. 372827
Miller, J.R.
Investigation of current transfer in built-up superconductors. (CONF-771029 – 106) 374013
Ion recombination processes in rigid solutions. 359794
Reaction of the precursor of the hydrated electron with electron scavengers. 351637
Superconductors for tokamak poloidal field coils. (CONF-770801 – 17) 359012
Vapor locking as a limitation to the stability of composite conductors cooled by boiling helium. (CONF-770801 – 18) 361586
Miller, J.W.
Synthetic lubricants and their applications: state-of-the-art. 370116
Miller, K.
Characteristics of multiplicity of charged products of π^{+-} nuclear reactions as source of information about neutron and proton distribution on the atomic nucleus periphery. (JINR-D – 1,2-9342) 356837
Miller, K.L.
Casual and noncasual propagation of both tardyon and tachyon wave functions. 363837
Midlatitude sporadic-E layers. (N – 77-24683) 365331, 373465
A rad waste compaction program for a medical center. 355638
Miller, L.
SURMACS. (EPRI-ER – 536-SR) 372092
Miller, L.D.
Backward proton production and high-momentum components of nuclei. 359446
Miller, L.F.
In-situ response time testing of platinum resistance thermometers. (EPRI-NP – 459) 358223
Nuclear reactor control system design with sensor failure. 368064
Miller, M.A.
On resonance absorption of electromagnetic waves in an inhomogeneous plasma. 369012
Miller, M.B.
Search of conversion electrons emitted in the spontaneously fissile isomer decay. 359456
Miller, M.H.
Stark broadening of singly ionized silicon. 364220
Miller, M.W.
Environmental toxicity of aquatic radionuclides: models and mechanisms. 367397
Miller, O.A.
Ozone yields from the Febetron radiolysis of oxygen-rare gas mixtures. 357137
Some technical aspects of accounting for and control of nuclear material at nuclear fuel cycle facilities in the USSR. 371289
Miller, P.A.
Propagation of pinched electron beams for pellet fusion. 350907
REB propagation and combination in plasma channels. (SAND – 77-1548C) 368974
Miller, P.D.
Electron capture to K vacancies in chlorine ions (approximately 1.5MeV/amu); relation to emergent charge states. 358735
A new measurement of the magnetic moment of the neutron. 361886
Projectile charge-state dependence of K-shell ionization by silicon ions: A comparison of Coulomb ionization theories for direct ionization and electron capture with x-ray production data. 363906
Miller, P.S.
Quick change axial cold cathode ion source. 363296

Miller, R.A.
Design considerations for a migma advanced fuel fusion reactor. 363240
Miller, R.B.
Collective ion acceleration in a traveling virtual cathode. 363302
Electrostatic collective ion acceleration in the evacuated drift tube geometry. 363253
Environmental qualification of safety-related Class 1E process instrumentation. (WCAP – 9211) 379241
Ion acceleration in a moving virtual cathode. (SAND – 77-1551C) 367978
Linear collective effect acceleration in the presence of a strong axial magnetic field. 363349
Methodology for qualifying Westinghouse PWR-SD supplied NSSS safety related electrical equipment. (WCAP – 8587(Rev.1)) 365567
Miller, R.D.
Measurement of IgD by a double antibody radioimmunoassay: demonstration of an apparent trimodal distribution of IgD levels in normal human sera. 373652
Miller, R.E.
Thermal conductivity of highly oriented pyrolytic boron nitride. 373306
Miller, R.H.
Electron linac design for pion radiotherapy. 363292
Operating experience with the polarized electron gun at SLAC. 363130
Single bunch beam loading on the SLAC three-kilometer accelerator. 363280
Miller, R.J.
Low temperature magnetic susceptibility of palladium hydride and palladium deuteride. 365201
Superfluid-vortex thresholds and the vortex-core parameter near T/sub lambda/170 Physics Department, University of Delaware, Newark, Delaware 19711. 351123
Miller, R.L.
Experimental investigation of cavitation inception and damage in a flowing sodium environment. (CONF-760503 – P2) 352729
Fast liner proposal. (LA – 6707-P) 361625
Flux surface shape and current profile optimization in tokamaks. 350830
Time evolution of thermal instabilities. 350829
Miller, R.S.
Scintillator. (German (F.R.) patent document 2629187/A/) 376613
Miller, R.W.
Bedside etiology of childhood cancer. 379072
Six phase rectifier digital computer simulation. (WFPS-TME – 009) 366599
Miller, T.
Selective deficiency of thymus-derived lymphocytes in experimental pyelonephritis. 360267
Miller, T.A.
Collisional angular momentum transfer in Rydberg states of helium. 355872
Motional stark effect in high magnetic fields: A new technique for sub-Doppler spectroscopy. 366364
Miller, T.B.
Instrumenting a pressure suppression experiment for a MK I boiling water reactor: another measurements engineering challenge. (UCRL – 52314) 379299
Miller, T.M.
He(2^3S) deexcitation in collisions with He(1^1S). 353311
Laser – ion coaxial beams spectrometer. 358760
Miller, V.I.
Synthesis and magnetic properties of Vsub(1-x)Tisub(x)Osub(1,75) (x = 0,00-0,10) solid solutions. 360021
Miller, V.V.
Estimation of a potential use of a Ge(Li)-detector for the determination of natural radioactive elements in rock samples. 349628
Miller, W.C.
FFTF fuel failure detection and characterization by cover gas monitoring. Final report. (HEDL-SA – 1183) 358319
Miller, W.F. Jr.
Hydrogen transport in a two-dimensional torodial plasma. 377569
Ray-effect mitigation methods for two-dimensional neutron transport theory. 352444
TRIDENT: a new triangular mesh discrete ordinates code. (LA-UR – 77-2511) 377535
TRIDENT: a two-dimensional, multigroup, triangular mesh discrete ordinates, explicit neutron transport code. (LA – 6735-M) 351251
Miller, W.H.
A Bessel function representation for semiclassical perturbation scattering. 358832
Dynamics of molecular collisions. Part B. 361345, 361360, 361373, 361384, 361386, 361398, 363905
Effect of the azimuthal angle on fast-neutron concrete albedos. 374160
Penning ionization of H_2 by He(2^1S): calculation of energy surface, width, and cross sections. 353268
Phase space sampling approach to equilibrium semiclassical statistical mechanics. 368597
Unified treatment of Penning ionization and excitation transfer. 368678
Miller, W.N.
The oxidation kinetics of zirconium alloys applicable to loss-of-coolant accidents. (ND-R – 7(S)) 373251
Millerd, W.H.
Public acceptability of risk of radioactive waste disposal. (ORP/CSD – 77-2) 374444
Milleret, G.
Secondary emission detector system for SATURNE II. 363137
Milleret, Gerard
Extracted-beam-detection system around synchrotron saturne. (CEA-R – 4857) 355166
Millet, J.
Industrial method of hydrogen production. 357040
Millet, P.
Characteristics and behaviour of the fuel in the Phenix reactor. 368201
Millhouse, A.H.
Crystal field in liquid rare earth metals. 378689
Millich, A.
Longitudinal phenomena in the CERN SPS. 363168
Millies, P.
Contribution of national research and development centers in nuclear transfer. 352545
Milligan, D.A.
Oxidizing roasting enhances extraction of uranium from some refractory ores. 378561
Milligan, W.O.
Crystal structure of $Mn_3[Co(CN)_6]_2.12H_2O$ and $Cd_3[Co(CN)_6]_2.12H_2O$ by neutron and x-ray diffraction. 378212
Million, A.
Hydrogen-induced transverse cracks in welded joints of higher-stength fine-grained structural steels. 351713
Million, D.L.
Development, design, and preliminary operation of a resin-feed processing facility for resin-based HTGR fuels. (ORNL/TM – 6061) 378467
Milliot, B.
Scope and assignments of a consultant in the selection and construction of a nuclear power plant. Application to a project in Turkey. 371328
Milloy, J.A.
Underground siting of nuclear power plants: potential benefits and penalties. (SAND – 76-0412) 352185
Mills, A.A.
Dust clouds and frictional generation of glow discharges on Mars. 349015
Mills, A.D.
Enhanced autoradiographic detection of ^{32}P and ^{125}I using intensifying screens and hypersensitized film. 355546
Mills, A.L.
Behaviour of ^{14}C-labelled methyl palmitate during alumina chromatography of petroleum hydrocarbons. 369769
Mills, A.P. Jr.
Mobility of positrons in silicon. 353469
Mills, B.Y.
The Molonglo radio source surveys at 408 MHz. 366729
A radio study of Abell clusters. 356292
Mills, D.
Electronic excitation bands in irradiated silicon. 370146
Mills, G.S.
Fundamental mechanisms of penetration in GTA welding. (RFP – 2681) 373149
Mills, J.C.
Parametric safety analyses for reduced energetics in PLBR-sized cores. 355005
Mills, L.F.
Alleged injuries involving use of ultraviolet radiation in dentistry. Interim report. (PB – 268358) 365406
Mills, P.
SPS beam instrumentation and closed orbit correction. 363165
Mills, R.G.
Tokamak reactors. (CONF-771120 – 5) 371951
Mills, R.L.
Equation-of-state for fluids at high densities-hydrogen isotope measurements and thermodynamic derivations. (LA-UR – 77-1502) 351865
P – V – T and sound velocity data for fluid n-D_2 in the range 75-300 K and 2-20 kbar. (LA – 7018-MS) 371511
Thermodynamic properties of fluid n-H_2 in the range 75 to 307 K and 2 to 20 kbar. (LA – 6645-MS) 371510
Mills, S.J.
Lifetimes of the yrast states of even Ce isotopes. 372766
Mills, T.K.
Catalytic detritiation of water. (MLM – 2437(OP)) 366083
Mills, W.
Non linear fields in the SPS and their compensation. 363196
Mills, W.J.
Effect of temperature on the elastic-plastic fracture toughness behavior of Inconel X-750. (HEDL-TME – 77-65) 373235
Mills, W.R. Jr.
Nuclear techniques in oil and gas exploration and production. 375968
Millunzi, A.C.
The SAREF program. (CONF-761001 – P1) 362854
Milman, G.
Characterization of cyanogen bromide peptides of hypoxanthine phosphoribosyltransferase by a micromethod. 362129
Milne, I.
Evaluation of flaw indication – an extension of fast fracture assessment into the post yield regime. 364601
A unified approach to failure assessment of engineering structures. 351759
Milner, W.T.
Coulomb excitation of $^{182\ 184\ 186}$W and ^{166}Er with ^{4}He and ^{16}O ions. 356835

Miloh, T.
Tsunamis induced by submarine slumpings off the coast of Israel. (IA – 1338) 365612
Milora, S.L.
Effects of fueling profiles on plasma transport. (CONF-771129 – 5) 371893
Solid hydrogen pellet injection into the ORMAK tokamak. 348914, 361535
Milosevicj, M.
Some safety aspects of nuclear facilities. 379266
Miloslavov, G.
Protective effect of adeturone on protein assimilation in the gastro-intestinal tract following acute X-irradiation. 373531
Miloslavov, S.I.
Study on electrically active intrinsic defects in zinc telluride monocrystals. 374691
Miloslavov, V.
Peculiarities of radiostrontium and radioiodine kinetic following simultaneous incorporation of a mixture of ^{131}I, ^{85}Sr and ^{137}Cs. 367598
Milov, V.N.
Magnetic and neutron diffraction investigation of reorientation transitions in cobalt-substituted yttrium orthoferrite. 355949
Milova, G.D.
Magnetic properties of solid solutions in the $NdVO_3$-$CaVO_3$ system. 369589
Milova, L.P.
Forming of disperse structure of rhenium and platinum in aluminium rhenium catalysts. 367144
Milovanova, A.S.
Ce^{4+} reduction in HNO_3 solutions during γ- and α-radiolysis. 362285
Milovanova, M.V.
On the initial stage of hydrogen reaction with boron tribromide on the graphite surface. 375518
Milovidova, N.P.
Study on electromagnetic conditions in the interplanetary space by means of cosmic rays. 356186
Milroy, R.D.
A plasma-laser amplifier in the 11-16 μm wavelength range. 348944
Milstein, A.I.
Radiative effects in a plane wave moving along a magnetic field. 374547
Milstein, J.B.
Single crystal growth of rare earth intermetallic compounds. 357368
Milward, R.C.
Transverse-section (tomographic) medical gamma-ray imaging using the J + P multipoise emission tomoscanner. (INIS-mf – 4010) 358343
Milyaeva, N.M.
Extraction of some metals in the form of different-ligand complexes with organic electronegative ligands and diphenyl guanidine. (INIS-mf – 4192) 375358
Milyukova, M.S.
Kinetics and mechanism of interaction of americium(3) with mixture of silver and ammonium persulfate in phosphoric acid solutions. 369754
Milyutin, Y.V.
He backscattering and infrared absorption studies of natural diamond containing high concentrations of implanted silicon. 370123
Influence of ion-implanted oxygen on the electrical and optical properties of amorphous germanium. 370250
Investigation of clustering in ion-implanted silicon and quartz layers by means of total X-ray reflection. 370174
Mima, K.
Alfven ion-cyclotron instability: Its physical mechanism and observation in computer simulation. 350955
Stationary spectrum of strong turbulence in magnetized nonuniform plasma. 350863
Mimikonyan, S.V.
Wide-range roentgenoradiometric analyzer of elements in media of complex chemical composition. 356965
Mimoto, Shigeharu
Computerized voiding cystography, using sup(99m)Tc-(SN)-DTPA and gamma-scintillation camera. 349858
Mimura, Hitoshi
Method of manufacturing a radiation and heat source. 367871
Method of processing radioactive liquid wastes by using zeolites. 350394
Processing of radioactive waste solution with zeolites, (3). 355639
Mimura, Keisuke
Effect of sponge ball cleaning on removing vernacles in condenser tubes. 350139
Min, T.K.
Alternative accident scenario for LMFBR core disruption. 352205
A look at alternate core disruption accidents in LMFBRs. Topical report. (PB – 267577) 357744
Minaar, D.W.
An elementary U(2) theory of radiation fields with spin J. 353121
Minaar, P.C.
Bone marrow imaging with iron 59. 376143
Minachev, Kh.M.
Catalytic activity of oxides of chromium, manganese vanadium, tungsten and molybdenum during hydrogenation of ethylene. 369642
Effect of preliminary gamma irradiation of oxides on catalysis of homomolecular exchange of oxygen reaction. 373068
Investigation of state and behaviour of hydrogen of ruthenium catalysts. 372955
Radiation-catalytic activity of oxygen. 369797
Minacheva, M.Kh.
Bromination of zirconium and hafnium acetylacetonate derivatives. 354323
Minaenko, A.A.
General features of anti pp interactions at 32 GeV/c. 353973
Minaev, A.A.
Properties of phosphate and silicate glasses used for the solidification of radioactive waste. 358513
Minaev, Yu.A.
Spreading of iron-nickel alloys on ZrC and nickel-cobalt alloys on ZrN. 349475
Minaeva, S.A.
Phase diagram of Hf-$HfCr_2$-HfV_2 system. 354536
Minajchev, E.V.
Investigation of the muonium stage of μ^+ meson depolarization in germanium. 368824
On participation of unsolvated electron in chemical reactions in alcohol solutions. 369735
Minaka, Akira
Slope-mass correlation in nucleon diffraction dissociation. 359293
Minakov, V.N.
Carbon effect on the structure and low-temperature plasticity of arc melted molybdenum ingots. 349443
Minami, Akira
Irradiation proctitis. 367529
Minami, Kazuo
Possibility of filamentation instability in plasma. 358984
Minami, Kazuyoshi
RADHEAT-V3, a code system for generating coupled neutron and gamma-ray group constants and analyzing radiation transport. (JAERI-M – 7155) 380152
Minami, Shigeo
Anti p-p interactions for annihilation and non-annihilation processes. 359268
Note on inelastic cross section in p-p scattering. 372648
Minami, Shin-ichi
The anodic oxidation of metallic samarium. 359668
Minami, T.
Formation of glasses with high ionic conductivity in the system $AgI – Ag_2O – MoO_3$. 357369
Minamino, Y.
Resolution of carbon atoms in neutron-irradiated Fe-0.21wt% C-0.2wt%Cu alloy. 370247
Minamisono, T.
Spin polarization of ^{12}B in the heavy-ion reaction $^{100}Mo(^{14}N, ^{12}B)^{102}Ru$. 351420
Thick targets for in-beam hyperfine structure study. (LA – 6850-C) 370761
Minamoto, Kenju
Effect of sponge ball cleaning on removing vernacles in condenser tubes. 350139
Minar, P.
Commercial activity meters for nuclear medicine – results of comparing instruments made by three companies. 379901
Minard, M.N.
New limits for the exotic exchange reaction $\pi^-p \rightarrow K^+\Sigma^-$ at 5 and 8 GeV. 372515
Minardi, E.
Bifurcated tokamak equilibria related to the shrinking and the disruption of the current. 371952
Minarik, F.
Gonadal dose to Slovak population from natural external irradiation. 367837
Minarova, E.
Increasing plating efficiency of irradiated mammalian cells. 378970
Minashin, M.E.
Experience of operation of channels with uniflow generation of steam in the first APS reactor. 350238
Minato, Akihiko
Tank of sodium cooled fast reactor. 350261
Minato, S.
A new method of determining the total flux of environmental gamma radiation by a 2" diameter x 2" NaI(Tl) scintillation counter. 358380
A simple analytical approximation for the spectral distribution of natural gamma radiation flux. 354635
Minato, Susumu
A new method for measurement of γray flux with a NaI(Tl) scintillation counter and its application to environmental γradiation analysis. 355555
Minazuki, Isao
Fuel assembly. 379719
Mincey, J.F.
In-core nuclear heating rates easily measured with proven calorimetric instruments. (CONF-770611 – 20) 352458
Minchuk, F.F.
Effect of molybdenum (6) oxide on reaction of acetonitrile with acetic acid. 378451
Mindek, G.
Analysis of animal experiments of radiation dependent tumor regression in relation to different parameters. (LA-tr – 77-73A) 379019
Determination of Relative Biological Efficacy (RBE) and Oxygen Enhancement Ratio (OER) for the entire negative and positive pion beam profile using Vicia faba roots and Drosophila embryos as biological model systems. (LA-tr – 77-75) 378994

Mindel', A.F.
Method for preparation of niobium compounds. (Soviet patent document 391807/A/) 375594
Minder, R.
Heat utilization of future reactor systems. 368420
Mindlina, M.A.
X-ray spectra solid solutions of niobium-titanium- and molybdenum-titanium systems. 349504
Mineev, A.B.
Calculations of a thermonuclear reactor with a cumulating liner. (INIS-mf – 3954) 361566
Mineev, V.N.
Destruction of metallic foils under laser radiation. 365122
Mineev, Yu.V.
Energetic electron dynamics of the Earth radiation belts during magnetic storms. 357550
Mineeva, L.V.
Microstructure and phase composition of the niobium-zirconium-carbon alloy system. (INIS-mf – 3839) 367260
Minegishi, A.
Studies of cationic radicals in γ-irradiated single crystals of α-aminoisobutyric acid and related α-amino acids by electron spin resonance and SCF MO INDO calculation. 351646
Minenko, L.I.
High-stability plane top shaping in a excitation current pulse of the "SIRIUS" synchrotron electromagnet. 370753
Miner, F.J.
Plutonium ad americium behavior in the soil/water environment. II. The effect of selected chemical and physical characteristics of aqueous plutonium and americium on their sorption by soils. (BNWL – 2117) 370263
Plutonium and americium behavior in the soil/water environment. I. Sorption of plutonium and americium by soils. (BNWL – 2117) 370258
Miner, W.H.
Drift wave eigenmodes in a torus are not localized by shear. 364243
Minerbo, G.N.
Maximum entropy Eddington factors. (LA – 6882-MS) 356551
Minervina, Z.V.
Determination of relative probabilities of the Ksub(μ2)sup(+), Ksub(π2)sup(+), Ksub(μ3)sup(+) and Ksub(e3)sup(+) decays using a magnetic spectrometer with streamer chambers. (ITEF – 28) 361902
Minetti-Mezzetti, E.
On the sliding friction at the interface between a fluid and a solid. 356021
Minev, M.R.
Positron annihilation in nickel powders. 374694
Mineyev, D.A.
Studies of the distribution of rare earth elements in apatite – nepheline rocks and ores by instrumental neutron-activation method. 375389
Mingalev, B.S.
Poloidal field shaping in the "T-10" facility. (INIS-mf – 3954) 361503
Mathematical modelling of equilibrium plasma configurations and power supply regimes in tokamak typer facilities. (INIS-mf – 3954) 361501
Poloidal field shaping in the "Tokamak-20" facility. (INIS-mf – 3954) 361502
Minges, M.L.
Analysis of thermal and electrical energy transport in Poco AXM-5Q1 graphite. 357394
Mingle, J.O.
Optimal power profile fuel management. 365881
Minguzzi-Ranzi, A.
K°sub(L)p interactions in the c.m. energy range 1.54-1.71 GeV. 372508
Minh, N.T.
A simple quantum theory of Stark broadening of hydrogen lines including short-range interactions. 358738
Minichino, C.
Thermophysical properties of liquid tantalum and molybdenum. 370046
Mininchicj, Z.
Operating health physics experience on exposure of the personel working at RA reactor during last ten years period. 370656
Minkevich, A.N.
Some questions of titanium coating of carbon steels. (INIS-mf – 4046) 369882
Minkhadzhidinova, D.R.
Formation and transformations of radicals in frozen aqueous solutions of components of nucleic acids and H_3PO_4. 375705
Minkiewicz, V.J.
Effects of substrate bias and annealing on the properties of amorphous alloy films of Gd-Co, Gd-Fe, and Gd-Co-X (X = Mo,Cu,Au). 378639
Minkin, V.I.
NMR study into enanthiomerization kinetics of Zn(2), Cd(2), Pb(2) tetrahedral bis-chelate complexes. 369674
Synthesis and structure of aromatic and heterocyclic tellurium compounds. 351555, 369697
Theoretic investigation into polytopic rearrangements mechanism of molecules of sulfurans and their analogs. 362199
Theoretical study of inversion rotary barriers and mechanism of automerization of molecules of imines and ilides of tetracoordinated elements of group 6 A. 369675
Minkov, B.I.
Aluminium-yttrium garnet phonon spectrum. 361480
Effect of thorough compression and temperature change on optical spectra of aluminium-yttrium garnet monocrystal, activated by neodymium. (INIS-mf – 3955) 378434
Phonon spectrum of aluminium-yttrium garnet. (INIS-mf – 3955) 377306
Temperature broadening of Nd^{3+} ion levels in crystals of aluminium-yttrium garnet. (INIS-mf – 3955) 377247
Minkova, A.
An empirical method of quantitative analysis in depth-selective ME-spectroscopy. 369527
Minkowski, P.
Cylindrical gauge field configurations. A signal of confinement in QCD. 363818
On the spontaneous origin of Newtons constant. 361299
Quark-gluon collisions as the source of dimuon production at large transverse momenta in proton-nucleon scattering. 372416
Signatures of vectorlike weak currents. 361828
Minnaert, P.
Boson spin tests from sequential decays: spin-parity analysis of the F_1 meson. 377814
Minnich, J.
Interaction between methyl mercury and radiation effects on nervous systems. (PB – 265873) 352038
Minogin, V.G.
Spectrum of the nuclear γ-transitions in a symmetric polyatomic molecule. 377067
Study on excitation of vibrational levels of osmium tetroxide molecule by the continuous CO_2 laser radiation. 368663
Minor, D.
Neutron powder diffraction study of the intermediate-temperature form of lithium tantalate. 361468
Minott, D.H.
Development of vertical dispersion coefficients for rolling terrain environments. (COO – 4026-5) 357547
Minta, A.
The effect of radon 222 on the oral mucosa of rabbits. 365394
Minta, P.
The effect of radon 222 on the oral mucosa of rabbits. 365394
Histopatological changes in the pulmonary tissue of rabbits inhaled with radon 222. 367502
Minten, A.
Observation of jet structure in high psub(T) events at the ISR and the importance of parton transverse momentum. 353956
Mints, I.I.
Microstructure effect on the process of 12Kh1MF steel destruction under creep. 349445
Mints, R.G.
Investigation into the electric conductivity of tungsten-rhenium alloys in the range of concentration anomaly. 378755
Mints, R.I.
Investigation into iron moessbauer atom state in a deformed iron-manganese alloys. 370003
Recrystallization structure of the lunar nickel-containing iron. 349495
Mintz, M.H.
Nuclear fuel research and development – influence of various manufacturing parameters on some characteristics of UO_2 powders and their sintering behaviour. (INIS-mf – 4052) 368039
Phase transitions in Lnsub(x)sup((1))Lnsub(1-x)sup((2))H_2-H_3 alloy-hydrogen systems. 367261
Minyaev, R.M.
Theoretic investigation into polytopic rearrangements mechanism of molecules of sulfurans and their analogs. 362199
Theoretical study of inversion rotary barriers and mechanism of automerization of molecules of imines and ilides of tetracoordinated elements of group 6 A. 369675
Mio, Akihiko
Double blind test of L-cysteine for protection against radiation-induced side effects in man. 367531
Miocinovic, D.
Factors affecting the sensitivity of plastic detectors to ionizing α-particle registration. 368271
Mioduszewski, P.
Fluorescence spectroscopic measurement of the relative sputtering yield of metals as a function of oxidation state and Ar^+ dose. 368770
Miquel, P.
Advances made in areas of relevance to the treatment of gaseous effluents from reprocessing plants. 358474
A closed fuel cycle. Rapsodie. 368221
Equipment for the ventilation of shielded cells used in studying the reprocessing of fuels with a very high iodine-131 content. 360675
Progress in areas of relevance to the treatment of gaseous effluents from reprocessing plants. (BNWL-tr – 253) 352854
Reprocessing of "fast" fuel in France. (IAEA-AG – 63-5) 368452
Tritium formation and elimination in light-water nuclear plants. 368136
Miquel, Pierre
Procedure for processing a mixture of air and rare gases and especially radioactive mixtures. 359599
Mir-Kasimov, R.M.
The potential and quasipotential models for bound states. (JINR-D – 1,2-10400(v.1)) 377756
Short range particle interaction and a fundamental length. (JINR-D – 2-9788) 374556
Three-dimensional formulation of the relativistic two-body problem in terms of rapidities. 371338
Mirabel, I.F.
HI observations of Shostak's high-velocity cloud. 374892

Mirabutalybov, T.M.
High-energy electron elastic scattering on spherical nuclei. 377876
Miracle, D.E.
Low-lying levels of ^{94}Nb. (BNL-NCS – 22500) 356778
Low-lying levels of ^{99}Tc. 351393
Mirakhmedov, A.K.
Action of low radiation doses on the ultrastructure of chick embryo hypophysis. 360269
Mirakhmedov, M.M.
Radiation copolymerization of resin FL-2. 351630
Miranda, L.C.M.
Amplification of high-frequency phonons in the presence of an electromagnetic wave. 364075
Carrier-assisted perpendicular pumping of spin waves in ferromagnetic semiconductors under strong fields. 364090
Charged particles scattering in the presence of an homogeneous magnetic field. (PUC-TN – 16/77) 350581
Effect of laser-cyclotron resonance on the Landau damping of plasma waves. 350796
Electromagnetic generation of acoustic waves in semiconductors under a strong magnetic field. 350702
Electron-hydrogen atom collisions in the presence of a strong laser field. (PUC-TN – 6/77) 350580
Hydrogen atoms in strong magnetic fields oscillator strengths. 353198
Hydrogen molecule ion in strong magnetic field. 364382
Magnon instability in ferromagnetic semiconductors under an intense electromagnetic field. 363985
Multiphoton dissociation of diatomic molecules at high intensities. 364529
Plasmon-assisted sound amplification in piezoelectric semiconductors under a strong magnetic field. 350752
Theory of electron-hydrogen atom collisions in the presence of a laser field. (PUC-TN – 17/77) 364618
Miranda, S.
MARVEL: a digital computer code for transient analysis of a multiloop PWR system. (WCAP – 8844) 379657
Miranda, U.
Development and application of safeguards techniques in the nuclear fuel cycle of the European Community. 371290
Mirbach, M.F.
Solvent isotope effect on the fluorescence of azoalkanes. 372981
Mirbach, M.J.
Solvent isotope effect on the fluorescence of azoalkanes. 372981
Mirenskij, A.V.
Automatic small angle X-ray diffractometer. (Soviet patent document 415560/A/) 355108
Mirianashvili, G.M.
Ionization of rare gases in ion-atom collisions in the energy range 0.25-4 kev. (INIS-mf – 3915) 348696
Production of slow cations on ion-atom collisions of rare gases in the 0.25 – 4 KeV energy range. (INIS-mf – 3915) 348697
Miricj, P.
Air-equivalent mixtures for ionization chambers construction. 371176
Mirin, A.A.
Computational physics program of the National MFE Computer Center. (UCID – 17530) 356144
Mirion, I.
Some aspects of the implementation of a nuclear fuel technology project. 369828
Mirkhalikova, Kh.U.
Sorption characteristics of phosphorus-nitrogen-containing cationites to bivalent ions. 369585
Mirkin, L.I.
Destruction and thermal dissociation of transition metal carbides induced by laser radiation beam. 367291
Mirkin, L.V.
Phase transformations during roasting of zircon-fluoride charge. 349566
Mirkovich, V.V.
Measurement of high thermal diffusivity values by a novel method on copper and tungsten. 373236
Mirkowski, J.
The application of the MERA-302 minicomputer to the survey of radioactive contamination of the biosphere around atomic power station. 355574
Mirlin, D.N.
Light combination scattering spectrum and phase transition in VO_2. 355936
Light combination scattering spectrum in metal and semiconductive phases of V_2O_3. 356022
Mirnov, S.V.
The M = 1 helical mode behaviour during the disruption instability in a tokamak. (INIS-mf – 3963) 371953
Vacuum-physical conditions effecting on selection of a material for a first wall and diaphagm of the T-20 demonstration thermonuclear reactor-tokamak. (IAE – 2545) 356111
Miro, N.D.
Anisotropic Meissner effect in the linear-chain mercury compound Hg sub 2.86 AsF_6. 360052
Miron, C.
Intercomparison of fundamental fission rates and ratios in the intermediate-energy standard neutron fields at the ITN-ΣΣ and Mol-ΣΣ facilities. (BLG – 512) 368001
Miron, E.
Induction-heated oven for laser spectroscopy of atomic uranium. 366334
Mironov, A.N.
Logic device for the three-dimensional analysis of the (n, 2n) nuclear reaction. (FEI – 542) 358432
Mironov, B.E.
Second-sphere complexing of some cobalt(3) aminates with molybdate- and tungstate-ions in aqueous solutions. 351526
Mironov, E.S.
Using superconductivity for development of a new type accelerators. (JINR-R – 9-9341) 350075
Mironov, I.A.
Stoichiometry and optical properties of lanthanum sulfides following hot pressing. 360034
Mironov, N.A.
Effect of conditions of polypropylene crystallization and annealing on post-radiation grafting. 349603
Mironov, P.G.
The principal approaches to solving the problem of radiological safety in planning hot laboratories and experimental devices. 360701
Mironov, S.P.
Effect of tantalum and tungsten impurities on the phonon spectrum of vanadium. 368883
Mironov, V.E.
Calorimetric study of interaction between zinc and cadmium ions and sulfate ions in aqueous solutions. 364943
Thermodynamics of molybdate and tungstate second-sphere complexes of some cobalt(3) aminates. 359659
Mironov, V.I.
Investigation of the capture system without change in injected electron energy. (JINR-R – 9-9139) 355185
Mironov, V.L.
Saturated vapor pressure of mixtures of cadmium and lead chlorides with manganese, iron and cobalt chlorides. (INIS-mf – 4193) 375425
Mironov, V.S.
Nature of halogen solutions in molten alkali metal halides. (INIS-mf – 4193) 375471
Mironov, Yu.A.
Comparison of variations in electrical properties of silicon irradiated with neutrons from a reactor and with 14.5 MeV neutrons. 348799
Specific features of recombination on complex radiative defects in fast neutron irradiated silicon. 348806
Mironov, Yu.K.
Drift wave excitation in the THETA-pinch high pressure plasma. (KFTI – 75-19) 377415
Mironova, E.N.
Temperature measurement of interplanetary-interstellar hydrogen. 356189
Mironova, L.V.
Study on thermal treatment regime effect on the phase content of heat resisting alloys. 375880
Mironova, V.V.
Two-stage method for radiation vulcanization of moulded mechanical rubber articles using electron accelerator. (INIS-mf – 4194) 376291
Mironyuk, T.J.
Impairment of the DNA synthesis in roots of γ-irradiated seedlings, and the restorative processes. 362649
Miropol'skij, Z.L.
Analysis of effect of porous depositions on impurity concentrating in steam generating channels. 376318
Miroshnichenko, F.D.
Magnetostriction of armko iron in relation to magnetic field intensity. 375842
Miroshnichenko, I.I.
Measurement of asymmetry of the γd→π deg d reaction cross section in the linearly polarized photon beam. 349092
Miroshnichenko, I.S.
Formation of amorphous phases in Fe-B and Fe-C alloys in abrupt quenching of the melt. 370004
Miroshnichenko, L.I.
Diffusion of solar protons from the flare of August 7, 1972. 357535
Miroshnichenko, M.I.
Operation of WWER type reactors utilizing the power effect. 368146
Power units with WWER-440 type reactors. 368152
Miroshnichenko, V.I.
TVEh-2500 installation (thermonuclear power plant with a tokamak type reactor and MHD system for energy conversion). (INIS-mf – 3954) 361640
Miroshnichenko, V.M.
Optimal conditions for measurements in the section dismembering using density gamma-gamma logging. 360160
Miroshnikova, L.D.
Synthesis and thermal properties of monocrystals of oxygen vanadium bronzes of the Msub(x)Vsub(12)Osub(30+-y) type. 365010
Mirova, S.
Di Guglielmo syndrome (erythroleukemia) with dyserythropoiesis in a breast cancer patient treated with irradiation. 379054
Mirtskhulava, N.I.
Negative differential resistance in a dense electron-hole plasma in germanium. 355937
Mirzoev, R.A.
Role of defects of oxide film in the process of anodic-anionic activation of niobium. 378241
Mirzoyan, R.M.
Energy resolution of a scintillation counter with a large NaJ(Tl) crystal. 358337

Misaelides, P.
Fuel rod development. (KFK – 1277/2) 371039
Misak, J.
Safety and reliability of nuclear power plant operation. Part 2. 349899
Misawa, M.
Time-of-flight pulsed neutron diffraction of liquids using an electron linac. 371140
Misawa, Masakatsu
Structure of chain molecule in liquid selenium by time-of-flight pulsed neutron diffraction. 353470
Mischol, L.
Concerning calculation and construction of the natural-draft cooling tower of the Goesgen-Daeniken nuclear power station. 367931
Misell, D.L.
Developments in electron microscopy and analysis, 1977. Proceedings of the Institute of Physics Electron Microscopy and Analysis Group conference held in Glasgow, 12-14 September 1977 (EMAG 77). 371573, 371580, 371692, 373070, 373079, 373100, 373296, 373300, 373349, 373379, 373391, 374333
Miselyuk, E.G.
Elastic and piezoelectric constants of solid solution single crystals of CdSesub(x)Tesub(1-x). 363956
Misfeldt, I.
The program FEM3D users manual. (RISO-M – 1969) 368490
Misguich, J.H.
Microstructures (clumps) in turbulent plasmas. 358912
Mishakova, A.P.
Measurement of mass of the phi-1019 resonance. (JINR-D – 1,2-9342) 356490
Mishchenko, V.A.
Neutron scattering at the energy range 1.5-3.0 MeV by Ni^{64} nucleus. 369490
Scattering of neutrons on even Cr, Fe, Zn isotopes in the energy range from 1.5 to 3.0 MeV. (INIS-mf – 3897) 356809
Mishchenko, V.T.
Extraction luminescent determination of europium with 1-naphthalic acid and 1,10-phenanthroline. 375315
Extraction-luminescent determination of microquantities of europium as different-ligand complexes with 1-naphthionic acid and 1,10-phenanthroline. (INIS-mf – 4192) 375316
Spectrophotometric investigation of mixed-ligand complexes of some rare earths with ethylenediaminetetraacetic and oxalic acids. 375519
Study of ionic associates of rare earths with benzilic acid and rhodamine. (INIS-mf – 4191) 375592
Misheneva, V.S.
Effect of irradiation with fast electrons on the uridindiphosphateglucose mechanism of glycogen synthesis in NKly tumours, spleen and liver of mice having tumours. 370347
Mishev, I.T.
Some parameters of a personal film dosemeter based on the type K emulsion. 379885
Study on some albedo characteristics of personnel dosimeter based on the K-type emulsion on irradiation by thermal and intermediate neutrons. (JINR-R – 16-9749) 363567
Mishima, J.
Detailed accident analysis for the high level waste preparation phase of the commercial nuclear waste vitrification project. (BNWL – 2207) 379113
Potential aerosol generation mechanisms from damaged shipping packages. 350026
Mishima, Y.
The interaction between interstitial impurities and substitutional solutes in vanadium. 362456
Mishima, Yoshitsugu
Development of fast reactors and studies on materials. 374258
Report on survey of utilization of nuclear information among members of the Atomic Energy Society of Japan. 355712
Review of current status of LWR safety research in Japan. 367803
Mishin, A.S.
Lifetimes of ^{64}Zn levels populated in the $^{51}V(^{16}O,p2n\gamma)$ reaction. 375147
The lifetimes of excited levels in ^{67}Zn, ^{69}Ge, and ^{72}Se. (ZfK – 336) 364792
On the ^{68}Ge excited states. 375178
Quasi-rotational bands in ^{80}Kr. (ZfK – 336) 364769
Mishin, E.V.
Propagation of non-relativistic electrons in solar wind and the 3. type radiobursts. 369140
Mishin, G.T.
Determination of the water insoluble residuum in potassium salts using gamma logging. 376003
On possibility of search for potassium deposits from secondary halos using gamma spectrometry in Carpathian fields. 365274
Mishin, K.Y.
Starting material radiation source for Moessbauer investigations of tellurium compounds. (US patent document 4,059,769/A/) 379374
Mishin, V.M.
High-latitude geomagnetic variations and substorms. 354714
Mishina, Hitoshi
Compton radiography, 2. 379196
Hyperbaric oxygen therapy for x-ray ulcer. 362705
Mishina, L.V.
Analytical solution of heat and mass transfer problem in $2NO_2 reversible 2NO + O_2$ chemical nonequilibrium mixtures in laminar flow in a plane channel at constant temperature of inert impermiable surface. (INIS-mf – 3953) 379437
Mishina, M.
Measurements of polarization in K⁻p elastic scattering at low energies. 361883
Mishina, Masayoshi
Isolation of Saccharomyces cerevisiae mutants defective in acyl coenzyme A synthetase. 373767
Mishina, N.E.
Study on thermal treatment regime effect on the phase content of heat resisting alloys. 375880
Mishra, H.C.
Heteropoly-niobate and tantalate containing vanadium(V). 367118
Mishra, P.K.
Abundance ratios in quasi-stellar objects. 369217
Mishra, R.K.
Surface energy of spinel. 367317
Mishra, S.
Mechanisms for electron-capture processes. 357168
Mishra, S.P.
Magnetohydrodynamic flow of a rarefied gas near a time-varying accelerated plate. 366440
Magnetohydrodynamic unsteady free convection flow past a vertical polous plate. 366441
Unstable intermediates. 351647
Unsteady motion of a non-Newtonian fluid between two parallel walls with time varying suction. 356023
Wave-particle interaction in magnetoplasma around the upper hybrid resonance. 366549
Mishra, S.R.
On the multiple scattering of cosmic rays at sea level. 359152
Mishurova, E.
Changes in the deoxyribonucleoprotein content of the spleen and thymus of rats during continuous γ-irradiation. 362674
Mishustin, I.N.
The influence of a phase transition on the shock wave dynamics in nuclear matter. 377878
Pion condensation and the region of stability of anomalous nuclei. 375129
Mishustova, Ya.
Radioprotective and hypothermic effect of adeturone on mice. 367505
Radioprotective efficacy and the action of the mexamine-cystamine mixture on the respiration exchange in mice. 365387
Misiano, C.
Co-sputtered optical films. 348826
Misin, M.S.
A new highly efficient adsorbent for ultrahigh vacuum cryopumps. (KFTI – 76-21) 357393
On the problem of low-temperature air adsorption studies by the volume method. (KFTI – 75-10) 352383
Misishin, O.A.
Tin content effect on the physical and mechanical properties and workability of the YuNDK35T5 alloys. 375862
Miskimin, P.A.
Unique design features of the South Texas Project. 370928
Mislow, K.
An epistemological note on chirality. 371416
Misolovin, A.
Advances in light water hybrid reactors (LWHR). (INIS-mf – 4052) 374246
Feasibility of plutonium separation-free nuclear power economy with LWHRs. 352748
Misra, A.K.
Role of protein malnutrition and malabsorption experimental hypothyroidism. 367645
Misra, B.
Mechanical design and analysis for a EPR first wall/blanket/shield system. (CONF-771029 – 194) 377544
Thermal hydraulic analyses of two fusion reactor first wall/blanket concepts. (CONF-771029 – 178) 377487
Thermal stress and creep fatigue limitations in first wall design. (CONF-771056 – 8) 377474
Time evolution of unstable quantum states and a resolution of Zeno's paradox. 358644
Tritium processing and containment technology for fusion reactors. Annual report, July 1975 – June 1976. (ANL – 76-133) 358979
Misra, B.N.
Effect of temperature on relaxation time in free radical complexes. 371647
Misra, K.D.
Electrostatic waves in the warm magnetoplasma at the cyclotron harmonic frequencies. 350861
Particle aspect analysis of E x B drift instability in the presence of non-uniform electric field. 366600
Wave-particle interaction in magnetoplasma around the upper hybrid resonance. 366549
Misra, R.L.
A colour mutant in Gladiolus L. variety picardy. 352142
Misra, S.C.
National standards of ionizing radiations maintained at BARC, Trombay, Bombay : Part II – Radioactivity standards. (INIS-mf – 4161) 376253
Misra, U.D.
The Sommerfeld screening parameter $sigma_1$ in X-ray spectra. 366336
Misra, U.K.
In vitro incorporation of palmitate-1-^{14}C into liver lipids of rats fed Bengal gram (Cicer arietinum) protein at different dietary levels. 352110
Misra, Veena
Effect of ^{60}Co whole-body itradiation on thyroid of albino rats.

349739
Misraki, J.
Alpha contamination in Rapsodie. (IWGFR – 7) 361001
Missbach, M.
Automation of nuclear power plants. 1. 374185
Missoni, G.
Validity of the (e,2e) reactions as a probe of the atomic and molecular structure. 371485
Mistr, A.
Method for production of dicarbonic acid anhydrides. (Czechoslovak patent document 157157/B/) 369798
Method of preparing 2-acetylsuccinic acid diethylester. (Czechoslovak patent document 156388/B/) 369793
Mistry, K.B.
Polonium-210 in cigarette smoke. 367549
Mistry, N.
Experimental study of nuclear shadowing in photoproduction. 359342
Some aspects of the vacuum system for the proposed storage ring CESR. 363159
Misumi, T.
Self-sputtering phenomena in high-rate coaxial cylindrical magnetron sputtering. II. 368893
Mit'ko, A.A.
Thyristor commutator for high-current pulse generator. 376723
Mitake, Susumu
First conceptual design of the experimental multi-purpose high-temperature gas-cooled reactor. (JAERI-M – 6845) 358241
Protective functions of the experimental multi-purpose high-temperature gas-cooled reactor. (JAERI-M – 6893) 358095
Mital, H.P.
Autoionization rate coefficients for some coronal ions. 366730
Radiative attachment of electrons with some atoms. 353312
Mitani, Hiroshi
A method of the sensitivity analysis of build-up and decay of actinides. (JAERI-M – 7153) 366947
Mitani, Takahiko
Selectivity in protein degradation during sporulation of Bacillus subtilis. 349856
Mitaroff, W.A.
Evidence for a narrow width boson of mass 2.95 GeV. 372519
Inclusive anti K^{*0} (890) production in π^-p interactions at 16 GeV/c. 356507
Observation of the reactions $\pi^-p \rightarrow$anti pd at 10 and 16 GeV/c. 372520
Production of phi and f' in 10 GeV/c K^-p interactions. 353959
Mitchell, D.J.
Energy dependence of the radiationless deactivation rate for the azulene system probed by the effect of external high pressure. 378344
High pressure studies of fluorenone emission in plastic media. 369676
Mitchell, E.B.
Boll weevils: sterility induced by ^{32}P tagging. 373535
Fractionated irradiation of boll weevils during pupal development: effect of sperm depletion and transfer as measured by female responsiveness. 373527
Mitchell, E.W.J.
Radiation damage produced by 0.4-2.0 MeV electrons in diamond. 370143
Mitchell, G.E.
High-resolution proton scattering from ^{54}Fe. 354185
Study of E2 transition probabilities in ^{194}Pt. 356893
Mitchell, H.L.
Program plan for electron cyclotron heating experiments on the ISX tokamak. (ORNL/TM – 6011) 371835
Mitchell, I.V.
Measurement of direct and 2p-vacancy transfer contributions to K-shell ionization cross sections. 353313
Na KK vacancy production in Na-Ne collisions. 363908
Mitchell, J.B.A.
Merged electron-ion beam experiments. 366315
Mitchell, J.W.
Homogeneously doped silica matrices for trace element standards in neutron activation analysis. 372902
Practical applications of neutron activation and radioisotope techniques in optical waveguide research and development. 364894
Mitchell, K.B.
Laser-target retropulse isolation using an aperture in vacuum. 358915
Mitchell, M.A.
The density, electrical resistivity and Hall coefficient of Li-B alloys. 378690
Mitchell, M.K.
Mark III Confirmatory Test Program: 1/root 3 scale condensation and stratification phenomena, Test Series 5807. (NEDO – 21596) 365620
Mitchell, N.T.
Options for the disposal of high-level radioactive waste. 368404
Mitchell, R.J.
Quadrupole moment of the first excited 2^+ state of ^{18}O. 351424
The X-ray temperatures of eight clusters of galaxies and their relationship to other cluster properties. 356293
Mitchell, T.E.
Application of high-resolution TEM to ceramic science. 373300
Experiments in high voltage electron microscopy. Progress report, October 31, 1976 – August 1977. (COO – 2119-19) 362542
HVEM studies of irradiation damage in oxides. (COO – 2119-20) 373369
Mitchell, T.P.
Preliminary study of the uranium favorability of granitic and contact-metamorphic rocks of the Owens Valley area, Inyo and Mono Counties, California, and Esmeralda and Mineral Counties, Nevada. (GJBX – 3(78)) 378835
Miteff, L.
Determining the limits of the different types of Z-phase flow in the core of a boiling water reactor. 379634
Mitel'man, M.G.
The application of direct-charge detectors for power monitoring of PWR reactors. 379583
On the effect of solid on hydrogen yield during radiolysis of water vapors by Co^{60} γ-quanta. 362251
Mitenkov, F.M.
Fast nuclear reactor. (US patent document 4,048,011/A/) 374254
The present status of the fast reactor programme in the USSR. 365979
Sodium boiling experiment in the reactor BOR-60. (ZfK – 344) 374272
Mithra, B.
Attempt at the mechanism of α cluster transfer in heavy ions from the theoretical analysis of A(α,2α)B reactions. 356631
Mitin, A.A.
Multi-purpose linear discriminator. 363605
Mitin, A.V.
Coherent propagation of polarized γ-radiation in a sound wave field. 361463
Mitin, B.S.
Tungsten interaction with beryllium oxide. 369956
Mitin, P.V.
The choice opf a facility for the determining of the cryogenic deposit absorptivity. (KFTI – 75-10) 357910
Mitin, R.V.
Calculation of the ionization composition and electric conductivity of the superdense plasma of argon and helium. (KFTI – 75-19) 377512
Electrodeless inductive and capacitive discharges at high pressures. (KFTI – 75-19) 377584
On diagnostic techniques for optically non-transparent superdense plasma. (KFTI – 75-19) 377410
On the initiation of high-current discharges in dense gases. (KFTI – 75-19) 377399
Mitnitskij, P.L.
α-$LiIO_3$-HIO_3-H_2O system at 40 deg C. 359691
Mitov, V.N.
Device for X-ray radiometric analysis of rocks. (Soviet patent document 495591/A/) 356951
X-ray radiometric exploration of mine opening in mercury fields. 351940
Mitoyan, S.V.
Spectrum of high energy γ-rays at 690 Gcm^{-2} atmospheric altitude. 359089
Mitra, A.N.
Backward N* production in pd collisions. 369508
A generalized VMD mechanism for radiative decays of canti c mesons. 361829
Resonance photocouplings with a "mixed" nucleon and the even-wave harmonic-oscillator theory of baryonic states. 351163
Mitra, Ashutosh
Gamma radiation induced behavioural changes in Sacrophaga buliata parker. 376168
Mitra, B.
Measurement and analysis of a few 14 MeV neutron capture cross sections. 361911
Mitra, B.K.
Liquid-liquid extraction of molybdenum thiocyanate with hexamethyl phosphortriamide and direct spectrophotometric determination in the organic phase. 364895
Mitra, M.
Liquid-liquid extraction of molybdenum thiocyanate with hexamethyl phosphortriamide and direct spectrophotometric determination in the organic phase. 364895
Mitra, P.
Elasticity, factorization and S-matrices in (1 + 1)-dimensions. 372462
Mitra, S.K.
Self-motion and collective behaviour of classical one-component plasmas. 348964
Mitrofanov, I.G.
Orientation of cometary dust and polarization observations of comets. 351001
Origin of soft component from discrete X-ray sources. 369164
Possibility of study on the interplanetary magnetic field by zodiacol light circular polarization. 356216
Mitrofanov, K.
The preparation of the $KMeF_3$ (Me = Mn, Fe, Co, Ni) crystals for the studies by Moessbauer effect. 374767
Mitrofanov, K.P.
Moessbauer effect on Sn^{119} nuclei in system of mMg_2SnO_4-(1-m)$Mg_3(BO_3)_2$ solid. 348827
Mitrofanov, V.Z.
Gamma-spectrometric study in Volgogradskoe Zavolzh'e. 365282
Mitrofanov, Yu.A.
Process equipment for some operations in reprocessing fast reactor fuels. (IAEA-AG – 63-26) 363518
Mitrofanova, M.F.
X-ray diffraction analysis of some Mg- and Li-containing ternary alloy systems. 349492
Mitrofanova, N.V.
Interaction of recombination centers in Zns-Ag, Sm, and ZnS. CdS-Tm, Ni crystallophosphors. 371648

Mitrofanova, V.A.
Reaction of certain fragment element oxides with zirconium phosphate in melt of alkali metal chlorides. (INIS-mf – 4193) 375495
Mitrofanow, B.I.
Device for preventing spontaneous repositioning of a control element of a nuclear reactor. (German (F.R.) patent document 2219951/B/) 355351
Mitroshin, V.E.
A dynamic version of the unified collective model of atomic nuclei. (ZfK – 336) 364730
Mitryushin, A.M.
Gamma-spectrometry method of phosphorus deterination in representative samples and boreholes. 349641
Mitsch, J.
Determination of the unit of activity of radioactive gases by means of internal counting. 349938
Mitsel'makher, G.V.
Search for the $\mu^+ \rightarrow e^+ + e^+ + e^-$ decay. 369380
Spectrometer ARES. (JINR-R – 13-9542) 350309
Mitskevich, N.V.
Canonical formulation of the gravitation theory and general covariant splitting of space and time. 368568
Mitson, L.
National assessment of public perceptions and attitudes to nuclear power in Canada. 360439
Mitsu, H.
Public acceptance of nuclear power development in Japan. 352313
Mitsuda, Hisateru
The immediate nucleotide precursor, guanosine triphosphate, in the riboflavin biosynthetic pathway. 349857
Mitsuda, K.
Defects and fracture strength of large rotor forgings for steam turbines. 351771
Mitsuda, Kenji
Bilateral femoral neck fractures following pelvic irradiation. 354816
Mitsuhashi, Teruo
Contribution of higher order terms in the reductive perturbation theory, 2. (IPPJ – 277) 353564
Mitsunobu, S.
KEK booster to main ring beam transfer system. 363142
Mitsuoka, Seiji
Integrals of the squared form factor over the momentum transfer. 358783
Mitsutsuka, N.
Behaviour of fission products in sodium loops. 370821
Fission products deposition in a stainless steel sodium system. (IWGFR – 7) 360996
Mitsutsuka, Norimasa
Cold trapping of fission products in a stainless steel sodium loop. 359749
Measuring instrument of radioactive impurity in liquid metal. 349181
Mittag, K.
Superconducting accelerator structures for medium energy protons. 363303
Mittal, M.L.
Plasma waves in a stochastic magnetic field. 377488
Mittal, Raj
Accurate determination of penetration coefficient lambda and mixing ratio delta² for the 36.23 keV transition in ^{187}Re. 349149
Mittelman, A.
Indium chloride bone-marrow scanning in advanced prostatic carcinoma. 357635
Mittelstaedt, W.
Bound or absorbed methabenzthiazuron residues in soil. 357666
Mittempergher, M.
Developments in siting for nuclear facilities in Italy. 370593
Mittenbuhler, A.
Evaluation of high-temperature alloys for nuclear process heat applications. 360881
Mitter, P.K.
Gauge invariant frequency splitting of the continuum Yang-Mills field. 353122
Mitterbacher, P.
Advanced concepts in prestressed-concrete containment construction due to hot liners from the special point of view of economical construction. 370973
Mittig, W.
Nuclear pair creation in subCoulomb heavy ion collisions as a probe for strong Coulomb fields. 356632
Mittleman, M.H.
Deflection of laser-excited atoms by an electric field. 351531
Electron scattering from atoms in the presence of a laser field. III. 363909
Mittleman, S.D.
Some effects of heat treatment and electron irradiation on the cathodoluminescence spectra of $CuInS_2$. 351899
Mittra, I.S.
Charged particle multiplicity in 400 GeV/c p-nucleus interactions in nuclear emulsion. 372498
Mittwoch, E.
Reactor materials investigations and development. (KFK – 1277/2) 371052
Mityaev, N.N.
Resistive measurement of local void fraction. (FEI – 625) 350378
Mityaev, V.S.
Voltammetry of products form chlorination of dioxides of uranium, plutonium, americium and cerium with tetrachloromethane in the NaCl-KCl melt. (INIS-mf – 4189) 375622
Mityaev, Yu.I.
Nuclear superheating of steam. Results and current prospects. 365904
Mityakova, Eh.E.
Electron density on an altitude of 1000 km in calm and disturbed conditions measured by the "Kosmos-381" satellite. 376047
Mityushin, E.M.
Instrumentation for spin-echo nuclear magnetic logging. 375962
Miu, L.
Estimation of the Debye temperature by electric resistivity measurements for intermetallic components. 356024
Miura, Akinori
Energy transfer from a superconducting magnet to an inductive load. 358995
Miura, I.
Cascade cyclotron magnet. 363264
Miura, Makoto
Inspection of the fuel for the Japan Experimental Fast Breeder Reactor JOYO. (PNCT – 831-76-01) 379788
Miura, Masatoshi
Thermal oligomerization of metal salts of methacrylic acid in solid state. 359663
Miura, Noboru
Performance test of the pretreatment unit for Kr-85 recovery system from off-gas in fuel reprocessing plant. (PNCT – 831-77-01) 380024
Miura, T.
Mock-up experiment and analysis for the primary shield of the N.S. MUTSU. 368262
Observations of sulfur on molybdenum surfaces by AES. 370005
Miura, Takumi
Seismic design of electrical equipment and instrumentation for nuclear power stations. 373870
Mix, L.P.
Electron beam driven implosions. (SAND – 77-1506C) 371733
REB propagation and combination in plasma channels. (SAND – 77-1548C) 368974
Miyada, L.G.
Order-disorder transformation in a Fe-Ni (50-50) alloy. 351782
Miyagawa, I.
Negative ENDOR study of the radiation damage in triglycine sulphate. 365081
Miyagawa, Naoto
Methods of iodine-129 analysis for environmental monitoring. (PNCT – 831-76-01) 379359
Miyagi, Takuho
Electromagnetic pump for FBR. 350262
Miyahara, A.
Sputtering yields of graphite, copper, using torsion microbalance technique with keV region H^+, He^+ and Ar^+. 368728
Tokamak experiments on JIPP T-II device. (INIS-mf – 3963) 371853
Miyahara, Akira
Application of torsion vacuum microbalance to sputtering yield measurement. 371711
Observation of REB acceleration accompanied with beam focusing. 353640
Miyahara, Kenji
Determination of O/M ratio for mixed oxide fuel, (3). (PNCT – 831-76-01) 379798
Miyahara, Mitsuyuki
Electromagnetic pump for FBR. 350262
Miyai, Yoshitaka
Adsorptivity of uranium by aluminium-activated carbon composite adsorbent. 349325
Properties and uranium adsorptivity of the aluminium-activated carbon composite adsorbent and aluminium hydroxide. 378469
Miyajima, Kazutoshi
Development of a continuous cold trap of fluidized bed. (JAERI-M – 7064) 367205
Miyake, Kazumasa
Quantum hydrodynamics and two-fluid dynamics. 353739
Miyake, T.
Separation of uranium isotopes by accelerated isotope exchange reactions. (US patent document 4,049,769/A/) 373912
Miyake, Tetsuya
New separation method of isotopes. 360559
Novel continuous development method. 367849
Oxidizing agent and reducing agent. 360560
Pre-treatment method of filling layer. 367851
Separation method with efficiency improved. 360558
Stabilized process of separating isotopes. 367850
Miyakoshi, J.
Radiation streaming of N.S. MUTSU and its repair plan. 368261
Miyakoshi, Junji
Hyperthermia and anoxic sensitizer in tumor radiotherapy. 378980
Miyama, Nobuto
Instability of the Trivelpiece mode in a magnetized beam-plasma system. 371897
Miyamatsu, T.
Method for separation and enrichment of isotopes. (US patent document 4,059,670/A/) 379366
Miyamatsu, Tokuhisa
Method for separation and enrichment of uranium isotope. 373908
Miyamoto, Fumiko
Intestinal absorption of beta-alanine, anserine and carnosine in rats. 354934
Miyamoto, Fumio
Inspection of the fuel for the Japan Experimental Fast Breeder Reactor JOYO. (PNCT – 831-76-01) 379788

Miyamoto, Junshi
Stereoselectivity in metabolism of the optical isomers of cyanofenphos (O-p-cyanophenyl O-ethyl phenylphosphonothioate) in rats and liver microsomes. 349866
Miyamoto, K.
Magnetohydrodynamic instabilities in a current-carrying stellarator. 348940
Magnetohydrodynamic instabilities in a stellarator. (IPPJ – 287) 368972, 371941
Recent stellarator research. 371954
Tokamak experiments on JIPP T-II device. (INIS-mf – 3963) 371853
Miyamoto, Kenro
Helically symmetric equilibrium of current-carrying finite beta plasma. (IPPJ – 270) 353605, 353607
Possibility of medium energy neutral beam injection into stellarator reactor. 353593
Rotational transform angle of the stellarator field with twisted coils. (IPPJ – 271) 353606, 358994
Miyamoto, S.
REB interaction experiments with plasmas. (IAEA – 200) 353599, 377494
Sco X-1. 361719
Temporal and spectral variation of Cyg X-1. 356299
Miyamoto, Shigenori
Wide range energy spectrum of ScoX-1. 377632
Miyamoto, T.
Retarded theta pinch. (INIS-mf – 3963) 371955
Miyamoto, Tetsu
Possibility of Astron-like theta pinch. (INIS-mf – 3963) 371957
Pulsed fusion reactor with evaporating wall. (INIS-mf – 3963) 371956
Miyamoto, Tomio
The frequency pattern of the dumpy mutations induced by x-rays in different stages of spermatogenesis of Drosophila. 367454
Miyamoto, Yoshiaki
DREAM-FLOW: a computer program for estimating the uncertainty of channel coolant flow rates of HTGR's core with the Monte Carlo method. (JAERI-M – 7059) 355697
Reference core design Mark-III of the experimental multi-purpose VHTR. (JAERI-M – 6895) 358242
Study on core flow distribution of the reference core design Mark-III of experimental multi-purpose VHTR. (JAERI-M – 6894) 358263
Miyanaga, I.
Development of radioactive waste management at the Japan Atomic Energy Research Institute. 368377
Miyano, Masateru
Deuterated prostaglandin analogs. (German (F.R.) patent document 2608584/A/) 367107
Miyao, Y.
Measurement of delayed neutrons in the photofission of ^{238}U e ^{232}Th. 354240
Miyaoka, Takayuki
Endoscopical studies on radiation proctitis using dye spraying method. 349770
Miyarara, K.
Hydrogenation of ethylene on a MoS_2 catalyst. 372987
Miyasaka, S.
Mock-up experiment and analysis for the primary shield of the N.S. MUTSU. 368262
Radiation streaming of N.S. MUTSU and its repair plan. 368261
Miyasaka, Shun-ichi
Biased selection of particle flight directions as a variance reduction technique in Monte Carlo calculations. 372552
RADHEAT-V3, a code system for generating coupled neutron and gamma-ray group constants and analyzing radiation transport. (JAERI-M – 7155) 380152
Two-dimensional shielding benchmarks for iron at YAYOI, (1). (UTNL-R – 0032) 366910
Two-dimensional shielding benchmarks for sodium and iron at YAYOI. (UTNL-R – 0042) 366909
Miyase, H.
T/sub >/giant resonance in ^{142}Nd via the reaction ^{142}Nd(e,e'p). 364822
Miyata, H.
'Biological dosimetry' and physical parameters relating to the exposed Japanese. 370387
Miyata, Hiroshi
Vacuum vessel for nuclear fusion device. 366601
Miyata, M.
Functional monomers and polymers. XXXVIII. Postirradiation polymerization of 2,3-dimethylbutadiene in deoxycholic acid canal complexes. 378534
Miyata, T.
Low-stress fractures due to locally, damaged welding material. (AED-Conf – 76-747-009) 354496
Miyata, Teijiro
Hydrogen isotope effect on the radical addition of the hydrogensulfite ion to allyl alcohol in aqueous solutions. 378535
Radiation-induced addition of sodium hydrogensulfite to olefins. (JAERI – 1251) 378543
Miyatani, Giroku
Adsorption of micro amounts of cadmium complex ion on active charcoal. 372982
Miyawaki, Yoshio
Nuclear design and its development for FUGEN. (PNC-N – 341-76-09) 350241
Miyazaki, Keiji
One-dimensional analyses on generation and propagation of pressure waves in compressible liquid resulting from fuel coolant interaction. 379789
Miyazaki, Makoto
Computerized voiding cystography, using sup(99m)Tc-(SN)-DTPA and gamma-scintillation camera. 349858
Miyazaki, Nobuyoshi
Effect of salt on a thermosensitive mutant of Bacillus subtilis deficient in uracil and cell division. 349859
Miyazaki, Shigeru
Results of RPA observation with TAIYO. 377633
Miyazaki, T.
Effect of crystalline condition on the radiolysis of solid succinic acid. (IEA – 448) 351648
Energy transfer in the radiolysis of solid hydrocarbons at 77 K: mono-olefins. 359795
Hydrogen atom abstraction reaction by H atoms in γ -radiolysis and U.V.-photolysis of alkane mixtures at 4 K. 365065
Miyazaki, Taiichi
Rectal injuries following radiation therapy. 360286
Miyazaki, Tetsuo
The channeling of hot H atoms in the radiolysis and photolysis of crystalline alkane. 354442
Miyazaki, Yoshio
Seismic design of electrical equipment and instrumentation for nuclear power stations. 373870
Miyazaky, T.
Selective hydrogen atom abstraction by hydrogen atoms in photolysis of cyclohexane-normal pentane mixtures at 77 K. (IEA – 473) 351998
Miyazawa, Tatsuo
Device for detecting radioactivity in a liquid metal coolant. 379790
Reactor. 368219
Miyazono, S.
Present status of surveillance tests for nuclear reactor vessels in Japan. (IAEA – 202) 376470
Miyazono, Shohachiro
Review of current status of LWR safety research in Japan. 367803
Miyo, H.
Management of plutonium-contaminated wastes at the plutonium fuel facilities in PNC. 358463
Miyo, Hiroaki
Incineration of alpha bearing wastes, (1). (PNCT – 831-76-01) 380021
Mizera, P.F.
Signatures of electric fields from high and low altitude particle distributions. 360203
Mizhiritskij, V.I.
New high-current relativistic electron beam accelerators at the I.V. Kurchatov Institute of Atomic Energy. (IAEA – 200) 364164
Mizobuchi, A.
Spin polarization of ^{12}B in the heavy-ion reaction $^{100}Mo(^{14}N, ^{12}B)^{102}Ru$. 351420
Mizobuchi, Yutaka
A note on pairing vibration in the closed shell nuclei. 359425
Mizohata, Akira
Elemental composition and size distribution of continental aerosol particles. 359564
Multielement trace analysis of high purity aluminium by neutron activation. 359566
System of instrumental neutron activation analysis of the Radiation Center of Osaka Prefecture. 359565
Mizoo, Nobutatsu
Adequacy of the analysis of mock-up control rod experiment with FCA. (JAERI-M – 7139) 379535
Reliability of a new modified neutron source multiplication method. (JAERI-M – 7135) 379536
Mizov, J.
Hygiene problems in building a nuclear power and heat plant near Bratislava. (INIS-mf – 4055) 367743
Mizrahi, S.S.
On the shell corrections to the nuclear binding energies. (IFT – 220/76) 351299
Mizui, J.
Energy transport through high-Z metal foil in a laser-produced plasma. 358982
Laser fusion research in Osaka. (IAEA – 200) 353656
Mizuma, Nagayo
Some features of mutator genes, mutT, mutS and mutL, in Escherichia coli K-12. 373486
Mizumachi, K.
Nuclear anxieties and their impact on nuclear power programmes. 358551
Mizumachi, Y.
rf acceleration in KEK booster. 363278
Mizumoto, M.
Fine structure of the magnetic dipole giant resonance in ^{208}Pb. 359517
Mizumoto, Y.
High power glass laser system "Gekko" for fusion research. (IAEA – 200) 353655
Mizumoto, Yoshihiko
The decay scheme of ^{91}Sr. 359490
Mizumura, Yasuhiro
Control rod drive. 350191
Control rod drives. 360857
Mizuno, H.
Vacuum system for the KEK proton synchrotron. 363257
Mizuno, K.
Measurements of finite-bandwidth effects on a parametric instability. 358983

Mizuno, Kingo
Adsorption of micro amounts of cadmium complex ion on active charcoal. 372982
Mizuno, M.
An experimental UHV apparatus to investigate interactions of low energy light ions with solid surfaces. 368978
Outgassing rates before, during and after bake-out for various vacuum and first wall candidate materials of a large tokamak device. 369010
Mizuno, Oichi
Analysis of plutonium MUF. (PNCT – 831-76-01) 380139
Mizuno, Ryukichi
Fabrication of a fuel assembly for an irradiation test in SGHWR. (PNCT – 831-77-01) 379725
Mizuno, Sadao
Studies for aseismatic design of atomic power equipment. 360832
Mizuta, H.
Evaluation of local accidents in fast breeder reactors. 371031
Mizuta, Michio
Behavior of irradiated oxide fuel. 350159
Mizutani, H.
Why is a minor planet minor. 364374
Mizutani, Hiroshi
System for positioning a control rod drive for a boiling water reactor. 368121
Mizutani, T.
Accurate tests of analytic extrapolations. 375123
The influence of oxidation on thermally stimulated currents from trapped carriers in high density polyethylene. 351911
Mizutani, U.
Specific heat of Au-Cd α and zeta alloys in the range between 1.5 and 4.2 °K. 367230
Mjolsness, R.C.
Unstable normal mode for Rayleigh – Taylor instability in viscous fluids. 371644
Mkrtchian, G.G.
Arrangement for study of π^0-photoproduction on ^{4}He nuclei. 379852
Mkrtchyan, A.R.
The effect of a resonance r.f. field on the hyperfine structure of nuclear levels in a paramagnetic crystal. 377319
Mkrtchyan, G.G.
Detection of electron-photon showers by means of drift chambers. (EFI – 141(75)) 368268
Detector of recoil nuclei stopping in spark chamber gas. 350280
Electron drift through the stack of plates in a gas volume. 350281
On the possibility of identification of particles with various charges in photonuclear reactions. (EFI – 208(54)-76) 376602
Mladenov, B.
Determination of protein-bound-radioiodine level as an index for determining the form of thyrotoxicosis. 367709
Mladjenovic, M.S.
Criteria for the choice of research programs in nuclear centers of developing countries. 352576
Mlady, Z.
Development of WWER type nuclear reactors for heat supply in Czechoslovak conditions. (INIS-mf – 4055) 368143
Mleziva, J.
Nuclear magnetic resonance in the study of unsaturated polyesters isomerization. 349190
Mlinko, S.
Technique for measuring radioactivity of substances labelled with ^{14}C isotope. (Soviet patent document 492099/A/) 355556
Mlodkowska, E.
sup(99m)technetium-unithiol complex, a new pharmaceutical for kidney scintigraphy. Pt. 2. 354945
Mlychkov, Kh.
Scintigraphy with 99mTC-pyrophosphate and 87mSR-acetate of the osteoarticular apparatus of patients with deforming gonoarthrosis. 367705
Mnushkin, O.S.
Effect of hydrogen on the heat affected zone of low-and medium-alloyed steels. 349496
Mo, C.H.
Baryonium states in multiquark spectroscopy. 372463
Mo, L.S.
β spectra of ^{12}B and ^{12}N reanalyzed. 351319
Mo, T.
Development of radioanalytical procedures for mixed oxides of Pu, Am and U in geological specimens. (LF – 56) 364896
Improved analytical procedures for ^{210}Po in biological specimens. (LF – 56) 364897
Inhalation toxicology of industrial uranium and plutonium mixed oxides. I. Generation of aerosols from dry powders and preliminary rodent studies. (LF – 56) 365419
Radiation dose pattern following inhalation of monodisperse and polydisperse aerosols of $^{241}AmO_2$ in beagle dogs. I. (LF – 56) 365445
Radiation dose patterns in beagle dogs following inhalation of monodisperse and polydisperse aerosols of $^{238}PuO_2$. (LF – 56) 365446
Removal of inhaled ^{241}Am oxide of various particle sizes from beagle dogs by lung lavage and chelation treatment. (LF – 56) 362747
Toxicity of inhaled $^{238}PuO_2$ in beagle dogs. A. Monodisperse 1.5 μm $^{238}PuO_2$. B. Monodisperse 3.0 μm $^{238}PuO_2$ particles. III. (LF – 56) 362740
Toxicity of inhaled $^{239}PuO_2$ in immature, young adult and aged Syrian hamsters. IV. (LF – 56) 362732
Toxicity of inhaled alpha-emitting radionuclides: an experimental approach. (LF – 56) 365430
Toxicity of inhaled polydisperse or monodisperse aerosols of $^{241}AmO_2$ in Syrian hamsters. III. (LF – 56) 362743
Moa, T.
A search for the I peak at 2.60 GeV/c^2 in 12 GeV/c anti pp interactions in the CERN 2m HBC. 377781
Moak, C.D.
Electron capture to K vacancies in chlorine ions (approximately 1.5MeV/amu); relation to emergent charge states. 358735
Moalem, A.
Consistency check of (d,p), (t,d) and (^{3}He,α) absolute normalizations from spin-dependent sum-rule analysis. 356633
Moberg, L.
Coarse-mesh finite difference methods applied to a large PWR core. 360774
Education and training for reactor core analysis at AEOI. 352438
Moccia, A.
Considerations on nuclear transmutation for the elimination of actinides. 358470
Considerations on the gamma activity of the Pu product arising from LMFBR's fuel reprocessing. (IAEA-AG – 63-7) 362340
Feasibility study for adapting ITREC plant to reprocessing LMFBR fuels. (IAEA-AG – 63-10) 362341
Mochalin, N.K.
Formation temperature and growth kinetics of flakes in the 35KhN3MFA steel. 349533
Mochalov, I.V.
Spectroscopic properties of monocrystals of rare earth-aluminium garnets and rare earth ortho-aluminates activated by Ho^{3+}, Er^{3+} and Tu^{3+} ions. (INIS-mf – 3955) 378291
Mocheshnikov, N.I.
Channels for vacuum ultraviolet radiation extraction from the N-100 storage ring. 370747
Mochizuki, K.
Actual status of sodium cavitation studies in Japan. (IWGFR – 9) 352788
LMFBR coolant system components development in Japan. 379793
Sodium compatibility and corrosion tests for component materials. (CONF-760503 – P2) 352716
Mochizuki, Kazuko
An autopsy case of thorotrast induced hepatoma. 360317
Mochizuki, T.
Experimental investigation of chemical reactions of laser-excited uranium atoms. 372983
Laser fusion research in Osaka. (IAEA – 200) 353656
Mockler, R.C.
Autocorrelation spectroscopy studies of single and multiple scattered light from a critical fluid mixture. 350547
Moczall, K.
Strength layout of pipelines. (AED-Conf – 76-747-011) 355303
Modig, H.G.
Effect of radioprotective aminothiols on the induction and repair of single-strand breaks in the DNA of irradiated mammalian cells. 376067
Modine, F.A.
Determination of the Fe^{2+} and Fe^{3+} concentration in MgO. 351446
Modinos, A.
Field emission spectroscopy of transition metals. 378691
Modis, T.
Charged particle multiplicity distributions in pp collisions at ISR energies. 356525
Charged particle multiplicity distributions in pp-collisions at ISR energies. 353996
Modisette, J.L.
Close companion to α Ursae Majoris. 361710
Modrzejewski, W.
Possibilities of heart damage during roentgenotherapy. 367524
Modyaev, V.P.
Peculiarities of radiation-induced changes in chondrocytes of the articular cartilage. 370337
Modzelevskij, A.A.
Influence of glow discharge treatment of steel in argon on the adhesion of lead-zinc and lead-cadmium coatings. 349424
Modzmanashvili, G.G.
Some regularities of ^{90}Sr contamination of plants in Georgiya. 376136
Moe, M.K.
Status of the U.C. Irvine double beta decay experiment. 354241
Moebius, K.H.
Non statistical reaction contributions in (α,n) excitation functions. 354201
Moebius, P.
New aspects for the algebraic treatment of microphysics. 353123
Moeck, E.O.
Dynamic simulation of a reboiler. (AECL – 5680) 360945
Thermodynamic properties, gradients and functions for saturated steam and water. (AECL – 5910) 362219
Moehl, D.
Effects of depolarizing resonances on a circulating beam of polarized protons during acceleration or storage in a synchrotron. 363187
Moehlecke, S.
Effect of composition on T/sub c/ in some high T/sub c/ A-15 structure superconductors. 362478
The effects of composition and order on the superconducting properties of the A-15 phase of Nb-Pt. 349497
Recovery of T/sub c/ by annealing of irradiated A-15 compounds. (BNL – 22925) 360073
Moehlmann, D.T.F.
Electric fields in the solar atmosphere. 356294

Moehlmann, G.R.
Emission cross sections of Balmer-α, β, γ radiation for electrons (0-2000 eV) on H_2 and D_2. 355903
Moehring, H.J.
Hadronic cascade processes. 349064
Moehring, K.
Application of a uniform semiclassical theory to the multiple Coulomb excitation of heavy ions. 356599
Focal points and the phase of the semi-classical propagator. (WIS-Ph – 77/23) 366281
Moellenkamp, R.
Elastic, excitation, ionization and total cross sections for electron helium scattering. 353278
Moeller, C.
Analysis of the problems, which have the users employing software packages in the production control. (BMFT-FB-DV – 77-03) 355700
On the crisis in the theory of gravitation and a possible solution. 376927
Moeller, C.P.
Studies of doublet plasmas in Doublet IIA. 358942
Moeller, D.W.
Current challenges in air cleaning at nuclear facilities. 363398
Environmental surveillance for nuclear facilities. 379283
Moeller, H.
The transport mechanism DC arcs in advanced spectroanalysis. (Juel – 1449) 375520
Moeller, J.
Measuring system for fast neutron activation analysis at the BER-II reactor. (HMI-B – 188) 367024
Moeller, M.L.
Chole-scintigraphy with sup(99m)Tc-diethylacetanilido-iminodiacetate. (INIS-mf – 4010) 370488
Moeller, P.
Hydrodynamical calculations of heavy-ion collisions. (LA-UR – 77-1965) 361951
Resolution of the two phases of limestones with respect to their trace element contents. 375256
Revelation of the genesis of minerals in paragenesis with fluorites, calcites and phosphates via rare earth fractionation. 376010
Trace elements describe the genesis of mineral deposits. 367378
Moeller, R.
Experimental determination of local temperature field variations due to spacer grids in the cladding tubes of a rod cluster flowed through by sodium. 371040
Moeller, T.
The rare earths. 369673, 375511
Moeller, U.
The 'energy ratio' – a key to efficient energy use. 371219
Moeller, W.
FLEX – a code for calculating neutron flux microdistributions in lattices consisting of hexagonal fuel assemblies. 355242
Moenich, J.
Neutral beam system for an ignition tokamak. (CONF-771029 – 177) 377401
Moenig, H.
Investigations on radical formation and inactivation of suspended trypsin after γ-irradiation. 349704
Moerch, E.
Labelling of particulate matter for tracer studies in incinerators, sedimentation tanks and mixers. 365688
Moerhing, K.
The Bessel uniform approximation and the stationary phase method in inelastic scattering of heavy ions. (LYCEN – 7702(pt.2)) 369424
Moerig, N.
The start-up programme. 376585
Moerland, J.
Metabolism of ^{14}C-antipyrine in suspensions of isolated rat liver cells. 354828
Moerner, N.A.
Movements and instability in the Swedish bedrock. (KBS-TR – 18) 363676
Moes, A.J.
The mildew-resistant barley mutant 5455. 373722
Moesinger, H.
Loads on a PWR core shell after break in the reactor coolant pipe. 370913
Moesner, J.
The neutron-proton final-state interaction in proton-induced deuteron break-up at 8.5 MeV. 372760
Moffa, P.J.
Interaction of K^+ mesons with nuclei. (ORO – 5126-20) 361787, 364682
Quasi-free scattering of kaons. (ORO – 5126-26) 369400
Simple graphical display program for physics. (ORO – 5126-27) 374515
Moffat, J.B.
Studies of the surface and catalytic properties of boron phosphate with isotopic molecules. II. The interaction of equimolar mixtures of H_2 and D_2. 369677
Moffeit, K.C.
Evidence for the F meson. 353947
Measurements of tau decay modes and a precise determination of the mass. 372505
On the origin of inclusive electron events in e^+e^- annihilation between 3.6 and 5.2 GeV. 353772
On the semileptonic decay of charmed hadrons. 356496
Moffett, D.
The disposal of solid wastes and liquid effluents from the milling of uranium ores. 361125
Moffett, D.R.
Measurement of the branching ratio GAMMA (K/sub L/ → $\pi^+\pi^-$)/GAMMA (K/sub L/ → all). 359336
Measurement of the decay rate for the rare process K/sub L/^{0} → $\mu^+\mu^-$. 351231
Splitting of the ZGS polarized proton beam to two beams utilizing a common front stage. 363194
Moffett, R.J.
A theoretical study of night-time field-aligned O^+ and H^+ fluxes in a mid-latitude magnetic field tube at equinox under sunspot maximum conditions. 354698
Moffie, D.J.
Test validation of nuclear and fossil fuel control operators. (EPRI-SR – 28) 352968
Mogard, H.
Experimental investigations of the power-ramp failure propensity of light-water reactor fuel. 365865
Mogensen, O.E.
Further studies of the spur processes of positronium formation in mixtures of organic liquids. 357154
Positronium bloch function, and trapping of positronium in vacancies, in ice. (RISO – 366) 371649
Mogford, J.A.
Sandia technology. (SAND – 77-0701(Vol.3)(No.1)) 362120, 363118, 363629, 363682
Moggi, V.
K^0sub(L)p interactions in the c.m. energy range 1.54-1.71 GeV. 372508
A study of the Dalitz plot in the decay K^0sub(L)→$\pi^+\pi^-\pi^0$. 353988
Mogil'chenko, G.A.
Control unit for a three-dimensional quadrupole mass spectrometer with mass spectra unfolding by frequency variation. 358447
Mogil'ner, A.I.
On some methods for solution of control and diagnostics problems of nuclear power plant accident states. (FEI – 588) 350179
On the problem of noise spectra classification in nuclear power plant operation diagnostics. (FEI – 658) 350101
Mogil'ner, I.Yu.
Ultrasonic testing of welded joints of boiler pipes. 362351
Mogilenskij, V.I.
Wettability of yttrium oxide with metallic melts. 351848
Mogilnicka, E.M.
Effect of some metals (Rb, Cs, Ag, Tl, Sb, U) on metallothionein level in the liver and kidneys of the rat. 367634
Mogoryan, N.V.
Dissolution of alloy Kh20N80 in sulfuric acid under the action of alternating current. 369823
Mogro-Campero, A.
Barrier technique for separate measurement of radon isotopes. 367140
Moh, C.H.
Mutation breeding in Cassava. Part of a coordinated programme on improvement of vegetatively propagated crops and tree crops through induced mutations. (IAEA-R – 1647-F) 357661
Mohabir, S.
Transition temperature of a two-band superconductor with nonmagnetic impurities. 369256
Mohammed, I.
Immune complexes and abnormal liver function in haemophilia. 373616
Mohan, A.L.
Operational experience and developmental activities in waste management at Trombay. 358500
Mohan, M.
Electron impact excitation of the hydrogen atom in the presence of an intense laser beam. 355904
Free-free transition due to laser beam in the electron-atom scattering process. 355905
Mohan, Mahendra
Combined effects of free and forced convection on magnetohydrodynamic flow in a rotating channel. 366442
Mohan, S.
The Moessbauer effect on ^{119}Sn and ^{197}Au nuclei in gold, palladium and platinum matrices. 353424
Mohana Rao, J.K.
Preliminary crystallographic data of manganous uranyl acetate hexahydrate. 348840
Mohankrishnan, A.
Radioactive tracer study for Sethusamudram Ship Canal Project. 367407
Mohanta, H.
Thorium(IV) complexes with bidentate Schiff base ligands. 351532
Mohanty, S.R.
Effect of γ-irradiation on the thermal decomposition of barium bromate. 369776
Thermal decomposition of gamma-irradiated barium bromate. 349342
Mohapatra, J.K.
New sum rules for ππ scattering using Roskie's amplitudes. 349071
Roy's equations and the study of inelastic effects on the pion form factor. 359294
Mohapatra, P.
Magnetohydrodynamic unsteady free convection flow past a vertical polous plate. 366441
Unsteady motion of a non-Newtonian fluid between two parallel walls with time varying suction. 356023
Mohapatra, Priti
Magnetohydrodynamic flow of a rarefied gas near a time-varying accelerated plate. 366440

Mohapatra, R.N.
U(1) x SU(4)/sub L/ x SU(4)/sub R/-based weak-electromagnetic synthesis with manifest left-right symmetry. 366823
Mohile, A.D.
Application of nuclear techniques in snow hydrology. 367404
A tracer method for flood routing and flood forecasting. 370281
Mohilever, J.
Application of Cunningham's model to the calculation of the radiation beams of a cobalt therapy machine. (INIS-mf – 4052) 373903
Mohindra, V.K.
Flux distribution measurements in the Bruce A unit 1 reactor. (AECL – 5833) 360779
Reactor physics measurements at Bruce Nuclear Generating Station-A. 358275
Mohiuddin, S.
Effects of gamma radiation and Hempa on the midgut of the desert locust Schistocerca gregaria. 373539
Mohlmann, G.R.
Dissociative excitation of H_2 and D_2 by electrons. 358786
Mohm, F.
Nuclear reactor with rotating closure. (German (F.R.) patent document 1564114/C/) 350260
Mohr, T.
Dosimetry of negative π-mesons. 357881
Mohri, Akihiro
Landing of REB ring on equilibrium orbit. (IPPJ – 261) 353595
New lens system using toroidal magnetic field for intense ion beam. 353594, 353596
Moine Vaziri, H.
Volcanology and volcano sedimentology of Sahand region. 373413
Moinester, M.A.
Inelastic scattering of π^+ Mesons from nuclei at 50 MeV. 369493
Moir, R.W.
Design of an electrostatic end-plugged plasma-confinement device. (UCRL – 79880) 368975
Direct energy conversion and neutral beam injection for catalyzed D and D-^{3}He tokamak reactors. (UCRL – 79642(Rev.1)) 350807, 371754
Engineering of beam direct conversion for a 120-kV, 1-MW ion beam. (UCRL – 79718) 371738
Experimental and computational results on direct energy conversion for mirror fusion reactors. 349039
Neutral beam based on positive ions with direct energy conversion. (UCRL – 80418) 377489
Perspective on the fusion-fission hybrid reactor. (UCID – 17622) 371746
Preliminary assessment of a symbiotic fusion – fission power system using the TH/U refresh fuel cycle. (UCID – 17607) 374471
Moise, J.C.
Thermocompressor powered artificial heart assist system. 379396
Moiseev, A.
Inclusive production of charged pions in K⁻p interactions at 32 GeV/c. 353960
Moiseev, A.A.
Mathematical models of strontium 90 behaviour in "water-fresh water fish spawn" system for some particular cases of radionuclide incorporation into the organism. 349802
The relation of the long-term strength with the yield strength and tensile properties of EhP184 steel at working temperatures. 367262
Moiseev, A.M.
General features of anti pp interactions at 32 GeV/c. 353973
A study of πsup(+), πsup(-) and proton production in pp interactions at 69 GeV/c. 361867
Study on the dependence of associative multiplicity of charged pions upon π^- meson transverse momentum in pp interactions at 69 GeV/c. 351218
Moiseev, B.M.
EPR- investigation into γ-irradiated glass-like sodium metaphosphate. 360111
Moiseev, C.D.
Calculation of non-stationary operating conditions of extraction cascades. 349267
Moiseev, I.G.
Rapid fluctuations of radio flux and polarisation in quasar 3C273. 351004
Moiseev, I.I.
Kinetics and mechanism of olefine epoxidation with hydroperoxides in the presence of molybdenum compounds. 378270, 378271
On features of substitution of multiply bonded ligands in tungsten complexes. 378229
Oxidation of 1,3-dicarbonyl compounds by hydrogen peroxide in solutions of molybdenum (6) and tungsten (6) complexes. 378345
Moiseev, S.A.
Experimental study of the neutron logging data in a thin-layer section. 349659
Moiseev, S.D.
Calculation of non-stationary operating conditions of extraction cascade. 357041
Separation of strontium nitrate from nitric-acid extract during production of compound fertilizers. 351490
Moiseev, V.F.
Thermally activated plastic deformation in dispersion-hardened molybdenum alloys. 378598
Moiseev, V.G.
On possible influence of cosmic rays on ozone content change in the stratosphere. 357548
Moiseev, V.I.
Direct measurements of multiple scattering of slow neutrons. (INIS-mf – 3895) 354013
Moiseeva, I.S.
Effect of temperature and deformation on the plasticity and specific pressure in the course of lanthanum rolling. (INIS-mf – 3839) 367211
Nitrides in the lanthanum, yttrium, neodymium structure. (INIS-mf – 3839) 367241
Yttrium interaction with 1Kh18N9T steel at elevated temperatures. (INIS-mf – 3839) 365144
Moiseiwitsch, B.L.
K-shell ionization of atoms by relativistic protons. 377082
Recent progress in atomic collisions theory. 350659
Moisel, R.
Determination of reactivity effects in power operation of a reactor based on perturbation measurements. 355395
On-line reactivity measurements in power reactors. 350109
Mojsa, L.P.
Representation of conditions for precipitation of metals as their basic salts and hydroxides by means of pH-isolines. 359697
Mojsa, M.I.
The effect of laser treatment on the wear resistance of steel in corrosive media. 349370
Mojzhes, L.L.
Passive filter of the IFVE accelerator ring electromagnet. 370750
Mok, Y.C.
Nonlinear dynamics of runaway electrons and their interaction with tokamak liners. 364221
Mokdugal, J.L.
A method for superconductor fabrication. (Soviet patent document 499847/A/) 375778
Mokerov, V.G.
Change of optical properties of vanadium dioxide at semiconductor-metal phase transition. 350758
Mokhamed, A.Kh.
Elastic and inelastic scattering of 3.4 MeV neutrons on Na, Mg, Al, Si, P, V, Mn, Fe, Co, Pb and Bi isotopes. 378036
Mokhosoev, M.V.
Synthesis and some properties of basic crystal hafnium ditungstate. 349275
Mokhosoyev, M.V.
Kinetics of molybdic oxide dissolution in alkalines. 354379
Mokhov, B.N.
Anomaly of neutron pre-critical scattering and depolarization effect of ferromagnetic matrix in antiferro-ferromagnetic transition. 374751
Neutron diffraction investigation of the atomic magnetic structure of iron-nickel invars. 368790
Mokhov, N.V.
Calculation of background radiation conditions and radiation heating for superconducting windings in the ITEP hyperon experiment. (ITEF – 114) 376380
Sensitivity of a boron counter in a moderator to high energy hadrons. (INIS-mf – 3846) 350286
Mokhova, N.A.
Short-range repulsion effect on collisional depolarization cross-section of atoms. (INIS-mf – 3915) 348667
Mokhtar, N.A.
Magneto-optical resonance in ferromagnetic gadolinium. 356033
Optical constants of gadolinium at various temperatures from polarimetric measurements. 356034
Mokler, P.H.
An absolute measurement of the probability for 1s sigma and 2p sigma excitation of the lead K shell. 377073
Characteristic and quasimolecular X-rays from collision systems with $Z_1+Z_2=133$, 134 under single and multiple collision conditions. 353292
Characteristic X-ray emission in solid and gas targets induced by heavy ion-atom collisions. (INIS-mf – 3996) 364146
X-ray emission in heavy ion-atom collisions: critical impact parameter for target K ionization. 358707, 376970
X-ray emission in heavy ion-atom collisions: K-ionization cross sections. 353188, 376969
X-ray production in heavy-ion atom collisions. (GSI-Pa – 4-77) 348711
Mokrov, Yu.V.
Some parameters of a personal film dosemeter based on the type K emulsion. 379885
Study on some albedo characteristics of personnel dosimeter based on the K-type emulsion on irradiation by thermal and intermediate neutrons. (JINR-R – 16-9749) 363567
Mokrzyszczak, M.
Ball bearings investigation by isotopic method. 367039
Mokul'skaya, T.D.
Use of synchrotron radiation from the VE PP-3 storage for x-ray structural analysis. (IAE – 2385) 350076
Mokul'skij, M.A.
Use of synchrotron radiation from the VE PP-3 storage for x-ray structural analysis. (IAE – 2385) 350076
Mokuya, Kenji
Strainer device. 368220
Mol, M.
Steady state liquid metal boiling pressure drop characteristics. (CONF-761001 – P4) 362964
Transient sodium boiling characteristics at pump run down. (CONF-761001 – P4) 362963
Mol, M.M.
Simulation of the thermal fuel/coolant reaction in laboratory tests

for water-cooled reactors. 370880
Molchanova, I.V.
Behaviour of radioactive and stable isotopes of calcium in the soil-solution-plant system at different soil humidity. 376147
Molchanova, N.G.
Deposition of high temperature metals from molten salts. (INIS-mf – 4189) 375410
Moldaschl, H.
Influence of model assumptions on the results of accident transient calculations. 370594
Moldavskij, M.I.
Peculiarities of the postnatal development of the adrenal gland of rabbits irradiated intrauterinally. 360268
Moldenhauer, W.
On the conductivity transition in V_3O_5. 371572
Moldovan, A.G.
Tunneling at the metal electrolyte solution interface without W.K.B. approximation in ion discharge at the limiting current. 356025
Mole, C.J.
Dynamoelectric machine with a superconductive field winding that can operate in either a synchronous or an asynchronous mode. (US patent document 4,037,123/A/) 352388
Technology development for a 3000 HP homopolar generator with liquid metal current collectors. (CONF-760503 – P2) 352392
Mole, R.H.
Anxieties and fears about plutonium and other radionuclides. 365583
Anxieties and fears about plutonium; and Reply. 360306
Molen, H.J. van der
Electron-microscopic autoradiography of tritiated testosterone in rat testis. 357636
Moles, M.
Red-shifting of light passing through clusters of galaxies a new photon property. 359123
Molin, J.
A nuclear district heating plant. (Swedish patent document 7506608-4/B/) 358225
Molinari, V.G.
Anisotropy of scattering and fission in neutron transport theory. 374113
Moline, P.
Superconductivity of the linear trichalcogenide $NbSe_3$ under pressure. 351868
Molinie, P.
NMR study on a 2H-$NbSe_2$ single crystal. 377163
Moliton, J.P.
Contribution to the research on cellulose diacetate as a solid state track detector. 360072
Molkanov, L.I.
Combination of the methods of x-ray chemical shift and Moessbauer effect for investigation of the electron valence structure of nontransition elements. 368847
Molkhova, E.
Cytoembryologic study of gamma-ray induced sterile Pisum sativum L. mutants. 367477
Moll, E.
Design and working principles of the Lohengrin mass separator for fission products at the high flux reactor in Grenoble. 358320
Functional scintigraphy of salivary glands with ^{123}I and sup(99m)TcO_4. (INIS-mf – 4010) 367596
Ion plating in industrial thin film production. 368869
Problems with the determination of TSH-levels and with the TRH-test in routine diagnostic procedures. (INIS-mf – 4010) 370500
Moll, M.
On the reactions of $Na_2[M_2(CO)_{10}]$ (M = Cr, Mo, W) mit GeX_4 und SnX_4 (X = Cl, Br, I). 359584
On the reactions of $Na_2[M_2(CO)_{10}]$ (M = Cr, Mo, W) with InX_3 (X = Cl, Br, I), and the crystal and molecular structure of $Cr(CO)_5InBr$ x THF. 359583
Moller, H.B.
Field-dependent magnetic phase transitions in mixed-valent TmSe. 367318
Moller, K.
On a numereeical method for solving the Faddv integral equation without deformation of contour. (JINR-E – 4-9911) 376893
Moller, W.
Energy-straggling of H and He ions in thin solids. (INIS-mf – 3996) 364625
Mollet, H.F.
Comparison of Cs-137 transport in Peach-Bottom fuel element F11-07 and in-pile experiment IDYLLE-03. 370980
Mollon, L.
Fuel storage rack. (US patent document 4,039,842/A/) 365830
Molnar, L.
Co-operation of the CMEA member countries in the development of different reactor types, including certain aspects of their nuclear fuel cycle. 366143
Molnar, Zs.
Radioanalysis of water circuit at nuclear power plants. 365853
Molodkin, A.K.
Lutetium nitrate trihydrate. 359660
Solubility and properties of liquid phases of the ammonium tetraborate-ammonium chromate-water system at 25 and 50 deg C. 362212
Molodowitch, D.
The overlap slope and multilink interactions in multiperipherallike impact parameter amplitudes. 364530
Molodykh, S.I.
Possible mechanism of generation of solar wind high-speed streams. 369136
Molotkov, V.V.
Representations of the superconformal algebra. 348604
Moltz, D.M.
^{61}Ge: a new beta-delayed proton precursor. (LBL – 5075) 356914
Molvig, K.
High-density discharges in the Alcator tokamak. 368947
Molvik, A.W.
Directions for possible upgrades of the Mirror Fusion Test Facility (MFTF). (UCRL – 80475) 377380
Molz, G.
Pressure vessel for nuclear power plants with concrete shell. (German (F.R.) patent document 2429773/A/) 355292
Molzahn, D.
Search for superheavy elements in the meteorite Mundrabilla. 359723
Momeni, M.H.
Fractionated x-radiation damage to developing ovaries in the Bonnet Monkey (Macaca radiata). 365378
Mommsen, H.
Investigation of Bremsstrahlung-induced reactions on nuclei of masses A = 27-238 in the range of the photon energies from 450 MeV to 2.2 GeV. 364759
X-ray analysis of thick targets with α-particles. 378092
Momota, Hiromu
Destruction of magnetic surfaces in a divertor region attributed to a discrete structure of magnetic coils. 353649
Stochastic acceleration by an electrostatic wave near ion cyclotron harmonics. (IPPJ – 259) 353550
Monacelli, P.
Description and performance of MEA, the magnetic detector at ADONE. 379480
Multihadron production e^+e^- annihilation at 1.6 c.m. energy. 364575
Monaci, P.
CRETA 74: an improvement of PAL 11A assembler for an implementation of IML-syntax for use with CAMAC. 380153
Monaghan, J.J.
Smoothed particle hydrodynamics, theory and application to non-spherical stars. 374909
Monahan, E.
Stability of lithium niobate on irradiation at elevated temperature. 367342
Monahan, J.E.
Thermonuclear reaction rate parameters for d + ^6Li reactions. 351346
Monahan, K.
Photoluminescence decay in solid xenon. 351867
Monakhova, O.P.
Influence of austenite grain size on mechanical properties of chromium-nickel structure steels. 349532
Monaro, S.
Measurement of the static quadrupole moments of the first 2^+ states in ^{76}Se, ^{78}Se, ^{80}Se and ^{82}Se. 354229
Monastyrskaya, A.R.
Complex study on a base-load MHD power station of open cycle. 349042
Efficiency of various systems for lead-in and lead-out of an ionizing additive for a power station with an open-cycle MHD generator. 356355
Monastyrskij, M.I.
Topology of gauge fields with many vacuums. 361268
Monceau, P.
Anomalous transport properties of a linear-chain metal: $NbSe_3$. 367265
Superconductivity of the linear trichalcogenide $NbSe_3$ under pressure. 351868
Monchick, L.
State selected He – HCl collision cross sections. 368679
Monchinskij, V.A.
On increasing of the accelerated nuclear beam intensity in proton linear accelerators. (JINR – 9-9592) 357939
On the enhancing nuclear beam intensity in proton linear accelerators. (JINR – 9-9592) 357940
Monchy, A.R. de
Radiochemistry at the Koninklijke/Shell-Laboratorium, Amsterdam, The Netherlands. 376872
Moncrief, V.
Gauge symmetries of Yang – Mills fields. 371417
Hamiltonian formalism for relativistic perfect fluids. 372223
Mondt, J.F.
Nuclear thermionic converter. (N – 77 – 18891) 352471
Moneti, G.C.
The cross section for the production of massive electron pairs and the UPSILON(9.5 GeV) in proton-proton collisions at the CERN ISR. 369367
Study of photons produced simultaneously with the J/psi particles at the CERN Intersecting Storage Rings. 377794
Moneton, D.E.
Neutron scattering study of magnetic ordering in the reentrant superconductor $ErRh_4B_4$. 373237
Monichev, A.Ya.
Certain results of the mathematical simulation of the dynamics of the hemopoietic tissue postirradiation recovery. 349747
Peculiarities of restoration kinetics of a haemopoietic cell population in a two-component model. 378953
Monier, L.-F.
The prospects for manufacturing industry. 363478

Monina, M.A.
Electrochemical machining of the VKh6 alloy. 362355
Moniz, E.J.
Extended schematic model for pion-nucleus scattering. 356606
Inverse scattering problem with isobars. 359288
Meson exchange currents in nuclei. 351181
Monjes, J.A.
Experimental laser fusion devices and related vacuum problems. (UCRL – 79176) 358991
Exploding pusher experiments utilizing a 4π illumination system. 372041
Monks, R.
Labelled nucleotides in biochemistry. 351615
Monnand, E.
The decay of ^{136}Te (20.9s). 354262
Experimental beta-decay energies of short-lived light fission products. 375207
Monnin, M.
Charged particles detection: the graft-and-dye method. 360083
Monoszon, N.A.
Poloidal field shaping in the "T-10" facility. (INIS-mf – 3954) 361503
Hybrid thermonuclear reactor for fissile material production. (INIS-mf – 3954) 361552
Poloidal field shaping in the "Tokamak-20" facility. (INIS-mf – 3954) 361502
Power supply for the T-20 demonstration thermonuclear tokamak-reactor. (INIS-mf – 3954) 361572
Pulse power supplies based on induction storages. (INIS-mf – 3954) 361545
Monozon, B.S.
Hydrogen-like system in crossed electric and magnetic fields. 348656
Monroe, Neil
Improvements to vapor generators. 355289
Monsay, E.H.
Second-class currents in weak pion production. 359295
Monsler, M.J.
Conceptual design of a laser fusion power plant. (UCRL – 79652) 377478
Fluorescence-pumped photolytic gas laser system for a commercial laser fusion power plant. (UCRL – 79655) 377490
Montague, B.W.
e-p facility in the CERN SPS. 363160
Montague, E.D.
Calcifications and the therapeutically irradiated breast. 352050
Montano, J.W.
The stress corrosion resistance and the cryogenic temperature mechanical properties of hot-rolled Nitronic 32 bar material. (N – 77-21214) 367181
Monteill, M.
Transfer of knowledge in safety matters. 352266
Monteiro, A.M.M.
π-D neutral reactions. 351227
Geometrical and kinematical reconstruction of a single track in a bubble chamber. 351207
Monteiro, S.N.
Martensite transformations influence in austenite stainless steel fractures. (COPPE-TP – 9/76) 365149
Monteiro, W.
Effect of fast neutron irradiation on the mechanical and structural properties of niobium. 351900
Montelatici, V.
Noise and detection in "optical" modulation spectroscopy. (CNEN-LNF – 75-33(R)) 363620
Montes, C.
Variability of intensity of interstellar maser lines due to induced Compton scattering. 351054
Montevideo, D.A.
Multicomponent impurity detection with a sodium plugging indicator. (CONF-760503 – P2) 352772
Montford, B.
Techniques to reduce radiation fields. 360946
Montgomery, D.B.
Compact high-field ignition test reactor (HFITR) using bitter magnets. 377375
Supercritical helium cooled, cabled, superconducting hollow conductors for large high field magnets. 360626
Montgomery, H.E.
One-electron wave functions. Accurate expectation values. 353314
Montgomery, J.C.
Effects of water quality alterations on fish behavior. (BNWL – 2100(Pt.2)) 362936
Montgomery, M.H.
B and W/USA operational experience with fuel elements. 370946
Implications of fuel performance on plant maneuvering. 358227
Montgomery, T.C.
Neutron-proton differential cross section measurements at 25.8 and 50.0 MeV. 359509
Month, M.
Beam size blow-up and current loss in the Fermilab main ring during storage. (BNL – 23044) 363244
Bunch lengthening in the Fermilab main ring during storage. (BNL – 23045) 363245
Effective coupling impedance and the microwave instability. (BNL – 50611) 357980
New scheme for the design and operation of proton – proton storage accelerators. (BNL – 22926) 374054
Overview of machine study group. (BNL – 50611) 357981
Summary of experimental insertions workshop. (BNL – 50611) 357991
Monticello, D.A.
Simulation of a major tokamak disruption. (PPPL – 1364) 356166
Montizaan, J.
Fast neutron spectrum measurements with a proton recoil spectrometer in the fast-thermal coupled critical facility STEK. (ECN – 26) 352445
The separation and recycling of actinides: a review of the state of the art. (EUR – 5801) 361108
Montmerle, T.
Light-element production by cosmological cosmic rays. 369165
Possible existence of cosmological cosmic rays I. the framework for light-element and gamma-ray production. 351055
Possible existence of cosmological cosmic rays. II. The observational constraints set by the γ-ray background spectrum and the lithium and deuterium abundances. 359134
Montmerle, Thierry
Elemental diffusion in stars. 359131
Montonen, C.
Magnetic monopoles as gauge particles. 372464
Montret, J.C.
A separation of the transverse and longitudinal cross section in a coincidence π^+ electroproduction experiment. A measurement of the pion radius. (LYCEN – 7702(pt.1)) 359454
Montvay, I.
Confined quarks and the decays of "old" and "new" vector and tensor mesons. (KFKI – 77-45) 355804
Montz, R.
Scintigraphic abscess localization with sup(99m)Tc-labelled leukocytes in comparison with ^{67}Ga-citrate. 349806
Monyakina, L.A.
Effect of pressure on partial molar volumes of components in $CdCl_2$-H_2O system. 359661
Moodbidri, S.B.
Use of radioisotopes ^{125}I in the study of serum LH levels in cycling buffaloes and its rate of release in buffaloes stimulated with Gn-RH administration. 352104
Moody, J.R.
Developing construction labor through modular training. 358150
Mooij, J.E.
Phonon effects on superconductivity stimulated by microwaves. (INIS-mf – 4267) 377688
Mook, D.E.
Optical observations of WRA 977 (3U 1223-62). (CONF-7510169 –) 364287
Mook, H.A.
Magnetic excitations in amorphous $Fe_{75}P_{15}C_{10}$. 359963
Mook, W.G.
Chemical pretreatment and radial flow of ^{14}C in tree rings. 369576
Mookerjee, Abhijit
Spin glasses. 371650
Mookerjee, P.
Soil moisture movement and groundwater recharge by tritium tracer tagging technique. 367350
Moomey, W.R.
Pitch angle measurements from satellites using particle telescopes with multiple view directions. 358367
Moon, D.
Quantative autoradiography of inhaled $^{239}PuO_2$ in the lung. (BNWL – 2100(Pt.1)) 360336
Moon, F.C.
Lateral buckling and vibrations of superconducting magnets for magnetic fusion reactors. Progress report, October 1976 – May 1977. (COO – 2780-3) 350908
Moon, S.H.
Atmospheric gamma ray angle and energy distributions from 2 to 25 MeV. 360208
Mooney, J.T.
Unique design features of the South Texas Project. 370928
Mooney, L.J.
System design for the new TMX machine. (UCRL – 79749) 374811
Mooney, P.M.
The status of defect studies in silicon. 370145
Moons, F.
Recalibration of high temperature thermocouples exposed to neutron flux. (EUR – 5648) 361095
Moor, K.S.
^{239}Pu and ^{241}Am contamination of small vertebrates in NAEG study areas of NTS and TTR. (NVO – 171) 379137
Mooradian, A.J.
CANDU fuel cycles – present and future. (AECL – 5516) 366164, 366165
Understanding the nuclear issues. 367779
Moorbath, S.
Strontium isotope data for recent andesites in Ecuador and North Chile. 378852
U-Pb ages on single zircons from the Early Precambrian rocks of West Greenland and the Minnesota River Valley. 357486
Moorby, J.
Translocation of ^{11}C from leaves of Helianthus: preliminary results. 360388
Moore
Unresolved resonance parameters for ^{235}U. (BNL-NCS – 22500) 356800
Moore, C.
Tests of factorization from single- and double-pion production in 100-GeV/c p-antip and pp collisions. 351230
Moore, C.A.
Allowable cycles for LOFT primary and secondary coolant systems. (LTR – 11-28) 379660

Moore, C.B.
Temperature dependence of the total reaction rates for Cl+HI and Cl+HBr. 367103
Moore, C.F.
Energy dependence of π^+ induced two- and four-nucleon removal. 369510
Moore, D.A.
The characterisation of graphite powders tested for use in HTR fuel compact matrices. (TRG-Report – 2986(S)) 354537
Moore, E.L.
Feasibility of applying cathodic protection to double-wall waste storage tanks. (ARH-CD – 975) 366103
Preliminary canister size criteria for commercial solidified high-level waste. (ARH-ST – 151) 352877
Moore, E.H.
Electron-density studies. I. 371664
Moore, G.
Highly specific antiserum for arginine vasopressin. 376157
Moore, G.E.
Spectroscopy of ^{16}C. 356762
Study of ^{78}As with the $^{80}Se(d,\alpha)$ reaction. 356839
Upper limit for the presence of superheavy elements in monazite from Madagascar. 351392
Moore, H.
The isotopic composition of ammonia, nitrogen dioxide and nitrate in the atmosphere. 365332
Moore, J.B.
Validated analysis capability for the Nuclear Electric Utility. 360880
Moore, J.C.
Angular and radial correlation effects in momentum space for H^-, He and Li^+. 350565
Moore, J.D.
Atomics International environmental monitoring and facility effluent annual report, 1976. (AI – 77-14) 362982
Moore, J.H.
Differential cross sections for electron impact ionization of helium and argon. 353187
Momentum distributions of bonding electrons in molecules by electron knockout experiments. 353220
Moore, J.L.
Lethality in mammalian cells due to hyperthermia under oxic and hypoxic conditions. 376056
Moore, J.S.
Effects of ^{60}Co γ-irradiation on chondromucoprotein. 351991
Implication of protein aromatic amino acids in concanavalin A-carbohydrate interactions. 376057
Moore, K.V.
RETRAN: a program for one-dimensional transient thermal – hydraulic analysis of complex fluid flow systems. Volume I. Equations and numerics. Final report. (EPRI-NP – 408) 365584
Moore, M.G.
General relativity without tensors in a central field. 368569
Moore, R.E.
Correlation of radioactive waste treatment costs and the environmental impact of waste effluents in the nuclear fuel cycle: conversion of recycle uranium to UF_6. (ORNL/NUREG/TM – 37) 352288, 374417
Radiological impact of airborne effluents of coal-fired and nuclear power plants. (ORNL – 5315) 362611
Moore, R.T.
Nonequilibrium ionization of solar flare coronal plasma and the emergent X-ray spectrum. 372265
Moore, R.V.
Nondestructive multielement instrumental neutron activation analysis. (PB – 267283) 367043
Moore, S.E.
Contributions of the ORNL piping program to nuclear piping design codes and standards. 363399
Stress analysis of cylindrical pressure vessels with closely spaced nozzles by the finite-element method. Volume 1. Stress analysis of vessels with two closely spaced nozzles under internal pressure. (ORNL/NUREG – 18/V1) 370896
Moore, S.P.
The wavelength dependence of ultraviolet inactivation of host capacity in a mammalian cell-virus system. 357555
Moore, V.C.
Physical aspects of electron-beam arc therapy. 363076
Moores, D.L.
Scattering of electrons by N_2 molecules. 358734
Moorhead, E.D.
Tissue-sequestered group III-A metals: dilute, high temperature NH_4SCN for simultaneous measurement of In and Ga by phase-selective stripping voltammetry. 372903
Moorhouse, R.G.
Anti-KN interactions in the resonance region. III. 353869
Radiative transitions of hadron resonances in the quark model. 353873
Moorman, J.O.
Magnetic ordering in Ce – La and Nd – La alloys. (IS-M – 116) 373254
Moormann, R.
Studies on graphite oxidation in case of air ingress into the HTR spherical-core primary circuit. 370967
Moorthy, V.K.
Improvement of properties of sinterable uranium dioxide powders. 362304
Moos, H.W.
EUV impurity study of the Alcator tokamak. (COO – 2711-3) 359032, 374862
Ultraviolet spectrometer experiment for the Voyager mission. 374884
Morabito, J.J.
Introduction to materials consideration for LMFBR components. 379791
Morachevskij, A.G.
Thermodynamic properties of liquid alloys of the cadmium-sodium-tin system. 375855
Moraes, A.
Cancer epidemiology in respiratory system among uranium miners. (INIS-mf – 4112) 365407
Radiation protection in thorium industry. (INIS-mf – 4126) 365641
Morales Calvo, G.
Aluminium dissolution for spray pulverization with nitric acid. (JEN – 371) 367016
Moran, E.M.
Prognostic classification of Hodgkin disease in pathologic stage III, based on anatomic considerations. 352047
Moran, P.R.
Thermoluminescent response of LiF (TLD-100) to 5-30 keV electrons and the effect of annealing in various atmospheres. 350312
Morand, B.
Proton scattering at intermediate energies: excitation of collective states and dispersive effects. (LYCEN – 7702(pt.1)) 369457
Splitting of the giant quadrupole resonance in light deformed nuclei. 366919
Morand, C.
'Like-backbending' effect in the ^{66}Zn nucleus. (ISN – 77-21) 369471
Core-plus-particle coupling description of the ^{63}Zn high-spin levels. (ISN – 77-41) 359466, 364752
High spin levels in ^{50}V observed in the $^{48}Ti(\alpha,pn\gamma)$ reaction. (ISN – 77-39) 359483
High spin states in ^{62}Cu. (ISN – 77-24) 359536
High spin states in $_{23}{}^{50}V_{27}$. (ISN – 77-22) 369480
High spin states of ^{50}V observed via the $^{48}Ti(\alpha,pn\gamma)$ reaction. 372758
High spin states of ^{62}Cu. 372822
Positive parity high spin states in ^{63}Cu. (ISN – 77-23) 369512
Yrast states in ^{62}Cu. 356731
Morand, P.
Complementation pattern of lexB and recA mutations in Escherichia coli K12; mapping of tif-1, lexB and recA mutations. 376080
The genetic characterization of lexB32, lexB33 and lexB35 mutations of Escherichia coli: location and complementation pattern for UV resistance. 376077
Morando, M.
A Ksup(π) = 4^- rotational band in ^{48}V. 356838
Moranville, C.
Cooperative venture in the research and engineering field between France and foreign countries. 352577
Morariu, M.
Contribution to the study of magnetic properties of rare-earth iron intermetallic compounds. (INIS-mf – 4154) 377248
Morariu, V.V.
E.P.R. of Cu(2) into layers of water adsorbed on silica surface. 355975
Morato, S.P.
Thermoluminescent traps continuos model. (IEA-DT – 024) 364076
Moravcsik, M.J.
Annual report 1976. (RLO/2230/T4 – 179) 369315
Are hydrodynamic models of high-energy collisions credible. 372465
Polarization structure of nuclear and particle reactions. (RLO/2230/T4 – 173) 369439
Moravec, J.
Destructive and non-destructive methods for controlling nuclear materials for safeguards purposes in Czechoslovakia. 371286
Moravek, J.
Gamma spektrometry of nuclear power plant coolant. (INIS-mf – 4143) 374336
Results of research into nuclear power plant safety. (INIS-mf – 4054) 367792
Moraw, G.
Availability of nuclear power plants in 1977. 371249
Energy analysis of nuclear power plants and their fuel cycle. 366136
Geological ultimate storage site for radioactive waste in Austria. 371204
Load factors of the nuclear power stations in the 1st half of 1977. 355363
Viewpoint of utilities regarding fuel management of nuclear power plants. 366228
Morchiladze, Z.N.
Synthesis of ^{13}C-labelled monomeric forms of ethoxyethyl-α-cyanacrylate and some methane halogen derivatives. 351533
Morcinek, P.
Materials for selected components of fast reactor power systems. 349498
Testing pipes of sodium-heated steam generators. (INIS-mf – 4211) 379631
Morcom, W.
Reduction of blue tungsten oxide. 362509
Mordechai, S.
Neutron pickup on ^{93}Nb. 354242
Nuclear reactions induced by the bombardment of ^{18}O with ^{18}O. 356798, 366987
Particle-hole states in ^{42}K studied by the $^{44}Ca(d,\alpha)^{42}K$ reaction. 356854
Spectroscopy of ^{16}C. 356762

Study of ^{78}As with the $^{80}Se(d,\alpha)$ reaction. 356839
Mordovin, A.E.
Effect of chlorine and beryllium on the NaCl-$BeCl_2$ system properties. (INIS-mf – 4193) 375521
More, R.M.
Comparison of range and straggle calculations. 375953
Moreau, C.
Fabrication and irradiation performance of French HTGR fuel. 368178
Problems of dismantling, treating and analysing highly irradiated fuel elements. 360843
Moreau, F.
A method for calculating the mass parameter of a collective mode in the framework of the adiabatic approximation: application to isoscalar quadrupole vibrations in light nuclei. (IPNO-T – 77-12) 369440
New method to measure oxygen isotopic concentration ratios $^{18}O/^{16}O$ by gamma-activation analysis, especially in biological media. 375259
Moreau, J.M.
Structures of the rare-earth-platinum compounds R_7Pt_3, R_2Pt, R_5Pt_3 and RPt. 369986
Y_3Ni_2: a new tetragonal phase with Ni-centred trigonal prisms. 357298
Moreh, R.
Elastic and Raman scattering of 8.5 – 11.4 MeV photons from ^{175}Lu and ^{181}Ta. 354141
Studies of nuclear levels around 7.4 MeV using a high resolution γ-monochromator. 362071
Utilization of teflon-covered Ge(Li) diodes for fast neutron detection. 374370
Morehouse, C.C.
D meson production and decay in e^+e^- annihilation at 4.03 and 4.41 GeV c.m. energy. 353989
Morek, T.
Levels in ^{130}Ba fed from ^{130}La decay. 354179
Morel, B.
K→πe anti e decay, the pole contribution. 353874
Morel, Jean
A 6.13MeV gamma reference source, measurement of the emission rate. (CEA-R – 4848) 355090
Morel, O.
Determination of uranium in aqueous solution by x-ray fluorescence. 369522
Morelli, M.
Developments in siting for nuclear facilities in Italy. 370593
Morelli, S.
Absolute estimation of radon daughter concentrations in air by α-spectrometry. 374290
Moreno, A.
Collapse of thin wall tubes with small initial ovality. (JEN – 385) 368040
Dimco. A new system for mechanical analysis of nuclear fuel pins. (JEN – 396) 368041
The light-water-reactor version of the URANUS integral fuel-rod code. 355695, 368042
Theory of a new elastic-plastic-viscous model and its application to the nuclear fuel mechanical analysis. (JEN – 388) 374175
Moreno, C.
Spaces of positive and negative frequency solutions of field equations in curved space – times. I. The Klein – Gordon equation in stationary space – times. 358674
Moreno, G.
Plasma kinetics in the solar wind. 353672
Two-spacecraft study of the preshock perturbations of the solar wind protons. 360191
Moreno, J.L.
CEA-radioimmunoassay in different neoplastic conditions. (INIS-mf – 4010) 370499
Moreno, J.M.
Simultaneous measure of a spectral line profile and the apparatus function of a Fabry-Perot spectrometer when continuous background is present. (JEN – 380) 377083
Moreno, M.
Chiral anomalies and quark masses. 359244
Pion radiative decay, one-loop models, and light quarks. 359296
Moret-Bailly, J.
Two methods of optimizing hot water pipeline networks. 355656
Moretti, P.
The role of nonadiabatic operators in the dynamic Jahn Tehher effect in Al_2O_3/Ti^{3+}. 363982
Moretto, L.G.
Charge and angular distributions as well as sequential decay and γ-ray emission in heavy ion collisions viewed in the light of the diffusion model. (LBL – 6587) 364705
Diffusion model predictions for kinetic energy, mass, angular distributions, and γ-ray multiplicities in heavy ion induced reactions. (LBL – 6572) 372649
Evidence for the characterization of heavy-ion reactions by the ratio E/B. 354236
Transitional features observed in the charge and angular distributions of deeply inelastic fragments produced in the reactions $^{181}Ta + 620$ MeV ^{86}Kr. 372722
Morev, A.B.
The application of direct-charge detectors for power monitoring of PWR reactors. 379583
Morewitz, H.A.
Some potential reductions in the release of radioactivity under LMFBR accident conditions. (CONF-761001 – P4) 362984
Morfin, J.
Search for strangeness changing neutral currents induced by neutrinos in GARGAMELLE. 361875
Total cross sections for charged-current neutrino and antineutrino interactions in BEBC in the energy range 20-200 GeV. 353945
Morfin, J.G.
An analysis of the Gargamelle freon data concerning pion production by the weak neutral current. 361890
Morgado, R.
Bevalac Minibeam Facility. 363337, 374083
Morgan, C.R.
Method of coating using active radiation curable polyene-polythiol compositions. (US patent document 4,017,650/A/) 351649
Solid radiation curable polyene compositions containing liquid polythiols and solid styrene-allyl copolymer based polyenes. (US patent document 4,017,371/A/) 351650
Morgan, C.S.
Ceramic processing of boron nitride insulators. (CONF-771137 – 2) 374176
Preliminary examination of the helium permeability of pyrocarbon coatings. 365934
Morgan, D.V.
The effects of radiation-induced deep levels on the admittance of p^+n diodes under forward bias. 366066
Morgan, G.L.
Cross sections for gamma-ray production by fast neutrons for 22 elements between Z = 3 and Z = 82. 356745
Cross sections for the Nb(n,xn) and Nb(n,xγ) reactions between 1 and 20 MeV. (ORNL/TM – 5829) 351394
Morgan, G.R.
(^{12}C,^{8}Be) reaction on even calcium isotopes. 351395
Structure in the $^{12}C(^{12}C,d)^{22}Na$ reaction near E/sub c.m./ = 14.3 MeV. 351387
Morgan, H.D.
Excitation of O_2 and N_2 by electron impact in the extreme vacuum ultraviolet. 371519
Morgan, J.D.
Proceedings of the third annual UMR-MEC conference on energy: energy crisis, an evaluation of our resource potential. 373427, 373943, 374166, 374167, 374263, 374281, 374479
Morgan, J.D. III
The validity of Kinoshita's expansion for S-state eigenfunctions of the helium atom. 368680
Morgan, J.G.
A reappraisal of the gap in the HR diagram of M67. 374937
Morgan, J.P.
Intrinsic polarization and rotational depolarization of fluorescence of DNA bases in aqueous solution at room temperature. 367457
Morgan, J.W.
A 'chondritic' eucrite parent body: inference from trace elements. 364898
Chemical fractionation in the solar system. 369565
Further studies of trace elements in C3 chondrites. 364920
Morgan, K.Z.
Adapting the polycarbonate dosimeter and electrochemical etching to the microdosimetry of ^{239}Pu in bone. (CONF-770720 – 7) 379121
Development and application of the electrochemical track etching technique. Progress report. (TID – 28051) 379333
Keeping dose commitments ALAP. 360289
Multiple simultaneous event model for radiation carcinogenesis. 360288
Neutron dosimetry using electrochemical etching. (CONF-770720 – 9) 379949
Morgan, L.A.
Electron impact excitation of hydrogenic systems in a distorted-wave model. 376967
Electron impact excitation of one- and two-electron positive ions. 348709
Electron impact excitation of resonances below the n = 3 levels of atomic hydrogen. 361379
On the relation of optical polarization to orientation and alignment parameters. 374630
Morgan, M.
General anaesthesia for high-dose total body irradiation. 367542
Morgan, M.G.
Improved comparison of the LHR frequency observed by a VLF receiver and calculated from ion density measurements on the same spacecraft. 367434
Morgan, M.T.
Cesium release and transport in Biso-coated fuel particles. 365935
Morgan, P.E.D.
Crystal structure of $YSiO_2N$ and a reappraisal of the "vaterite" type, YBO_3. 360022
Morgan, P.M.
Measuring strain and temperature remotely with gamma-rays. 352838
Morgan, R.
Energy resources. 371238
Morgan, R.C.
Coulomb excitation of ^{135}Ba. 356852
Morgan, T.H.
Close companion to α Ursae Majoris. 361710
Morgan, T.J.
The energy and directional response of Harshaw TLD-100 thermoluminescent dosimeters in the diagnostic X-ray energy range. 361048
Energy dependence of correction factors for some low-energy direct-reading pocket dosimeters. 374346

Morgan, W.W.
Fuel cycle wastes: the Canadian program. 363640
Technical and economic considerations in fuel reprocessing. 373121
Morgenstern Horing, N.J.
DHVA oscillations of nonlocal surface plasmons. 368848
Morgenstern, F.
Design requirements for the SNR-300 containment system. (CONF-761001 – P2) 365589
Morgenstern, F.H.
Decay heat removal plan of the SNR-300: a licensed concept. (CONF-761001 – P2) 365585
Morgenstern, J.
$^{12}C(\pi^-,p)^{11}Be$ reaction induced by pions at rest. (LYCEN – 7702(pt.1)) 369473
Measurement of gamma-rays, neutrons and charged particles after π^--capture in nuclei. 378077
Morgenstern, R.
Inelastic collisions of metastable He^* on He at impact energies between 1000 and 1400eV. 358787
Inelastic collisions of metastable helium on helium at impact energies between 1000 and 5000 eV. 361380
Morgner, E.
Expert opinions on the plant. 376564
Morgner, H.
Angular distribution of electrons emitted in Penning ionisation and similar processes. 374631
Calculation of associative and Penning ionization of H and D by He(2 ^{1}S) and He(2 ^{3}S). 368650
Unified treatment of Penning ionization and excitation transfer. 368678
Morgret, R.
Magnetic, optical, and magneto-optical behavior of $LiTbF_4$ and KTb_3F_{10} crystals. (UCRL – 79725) 373346
Morgun, L.V.
Corundum crucibles for aluminium evaporation in vacuum. 351832
Morgunova, N.M.
Pertechnetate and perrhenate of bivalent lead. 359766
Mori, Bunpei
Utilization in rats of ^{14}C-L-lysine-labeled casein browned by amino-carbonyl reaction. 349860
Mori, Hirofumi
Study of distribution of ^{203}Hg-chlormerodrin, ^{203}Hg-nitrate and sup(99m)Tc-DMSA in kidney by macroautoradiography. 379182
Whole-body retention studies of ^{169}Yb-citrate. 379088
Mori, I.
Observation of spatial wave echoes at the lower hybrid mode. 353578
Mori, J.
Public acceptance of nuclear power development in Japan. 352313
Mori, K.
An electron beam gun with a multi-crucible for evaporation in UHV and its characteristics. 358788
Measurement of polarized target asymmetry in $\gamma p \rightarrow \pi^+ n$ below 1.02 GeV. 369371
Radiation-induced extraskeletal fibrosarcoma: simulating locally recurrent carcinoma of breast. 379056
Mori, S.
Fusion reactor development in Japan. 377491
Mori, Satoshi
Fuel support. 368117
Mori, Shigeo
The tendency of forgings for light water reactor. 367266
Mori, Y.
Study on a methane-steam reformer by high-temperature helium. 379692
Mori, Yasuki
Possibility of filamentation instability in plasma. 358984
Reflection of high power pulsed microwave incident on a plasma. 353597
Mori, Yasuo
Effect of radiation heat transfer on the performance of high temperature heat exchanger, (2). 379712
A study of supersonic bubble flow, (2). 379438
Mori, Yoshiharu
A pulse-operated polarized H^- ion source of lamb-shift type. 355199
Mori, Yosuke
Identification of a nuclear reactor system by means of gradient methods. 355251
Mori, Yuzo
ENDOR of the Fsub(A)(Li) center in KBr at liquid He temperatures. 353501
Moriarty, K.J.M.
Absorption corrections in the inclusive production of the Δ (1236) in the triple-Regge region. 351182
Naturality and inclusive Λ production. 364531
Pion-nucleon charge-exchange polarization by Gribov Reggeon calculus and the derivative rule. 359223
The $pp \rightarrow n\Delta^{++}$ cross section between 6 and 1500 GeV/c. 361830
A study of inclusive sector and tensor meson production in the beam fragmentation region. 369272
Moriarty, M.
Protective effect of high concentrations of vitamin C on the radiation response of Chinese hamster ovary cells. 354787
Morigami, Takashi
The anodic oxidation of metallic samarium. 359668
Moriggi, S.
"Energy crisis" in J/psi hadronic decay. (INFN-LNF – 77-10(R)) 369316
Moriguchi, Takahiko
Reconstruction of the full thickness chest wall defect. 352051
Morikawa, T.
Construction of the positive-definite-matrix conjugate vector and constrained variation. 355805
Morimitsu, Wataru
Computer-aided approximate for fluorescent x-ray analysis utilizing radioisotope Am-241. 367044
Study of zinc inclusion in electrodeposition of silver by using radioisotope ^{65}Zn. 367095
Morimiya, Osamu
Fixation method of radioactive gaseous wastes and its device. 350400
Morimoto, Ayami
Long-term effect of medium-chain triglyceride on hepatic enzymes catalyzing lipogenesis and cholesterogenesis in rats. 349880
Morimoto, Haruki
Vapor temperature control device for fast breeder reactor plant. 368065
Morimoto, Kanehisa
Incorporation of tritiated-thymidine into cultured leukocytes. 354861
Search for the lowest irradiation dose from literatures on radiation-induced bone tumor. 349774
Morimoto, Teruhisa
Automatic Lig-N_2 supplier for vacuum trap. (INS-TH – 115) 379991
Morimoto, Toshio
Radioactivity evaluation code system for high temperature gas cooled reactors. 361220
Morin, J.
160 kV, 200 mA dc accelerator for high 14 MeV neutron yield. 355189
Morin, M.
Pulmonary tumors induced in the rat by the internal α irradiation; target cells and sensitive cells. 354774
Morin, P.
Behaviour of crystal field parameters in ErM and HoM equiatomic compounds, in relationship with band structure. 378726
A canted magnetic structure in an S-ion compound: GdMg. 378692
Crystal field in some light rare-earth compounds with the cubic CsCl structure. 374752
Magnetic ion-lattice interaction in RZn compounds. 362433
Magnetoelastic properties of RZn equiatomic compounds. 365170
Spin waves in HoZn. 378642
Morinaga, A.
Hyperfine structure in the electronic spectrum of $^{127}I_2$ by saturated absorption spectroscopy at 633 nm. 368681
Morinaga, H.
Munich heavy ion post accelerator. 363308
Morinaga, Osamu
A new device to reduce x-ray exposure of the examiner during the procedure of retrograde urethrography. 373885
Morioka, Akira
Correlation between radiowave emission in decameter wave main source and solar wind. 359143
Plasma measurement and plasma wave excitation experiment on K-9M-49 rocket. 377640
Morioka, K.
Functional monomers and polymers. XXXVIII. Postirradiation polymerization of 2,3-dimethylbutadiene in deoxycholic acid canal complexes. 378534
Morioka, Masaaki
A new device to reduce x-ray exposure of the examiner during the procedure of retrograde urethrography. 373885
Morishige, Toshiko
Long term survey on food pollution and contamination by radioactive fallout in Fukuoka, Japan (1961 – 1976). 379179
Morishima, A.
Safety of light-water reactor fuel. 365586
Morishima, H.
An ESR study of annealing characteristics for heavily irradiated silicon. 371653
Studies on the characteristics of nuclear spark counting. 355557
Morishima, Hiroshige
Comparison of monitoring methods for environmental γ-radiation dose rate. 358381
Radiation hazard control system. 367830
Studies on the movement and distribution of uranium in the environments. 349801
Morishita, Hideaki
Introduction of experimental rig of dynamic stability of once-through boiling flow. 350267
Morison, W.G.
Heavy water nuclear station design. 360947
Morison, W.L.
Effects of indomethacin on long-wave ultraviolet-induced delayed erythema. 360290
Morita, Kazunori
A functional test of the pancreas with ^{131}I-5-iodomethyl-5-methyl-2, 4-oxazolidinedione (^{131}I-DMO). 354896
Morita, Kenji
Measurement of life-time of inner-shell vacancy in recoiled Ge ions in solid Ge by heavy ion impact. 353471
Morita, M.
Beta-ray angular distribution in aligned ^{12}B and ^{12}N and G-parity irregular induced tensor current. 372650
Morita, S.
Directional anisotropy of secondary electron bremsstrahlung

induced by proton bombardment of thin solid target. 377041
The ionization of relativistic K-electrons by light ion impact in the MeV energy range. 377131
Morita, Shinroku
Clinical experiences with fast neutrons by NIRS medical cyclotron. 379073
Morita, T.
Improvements in or relating to a method of operating a nuclear reactor which maintains a substantially constant axial power distribution profile which changes with load. 374216
Proton-induced rotationless processes in excited 9,9'-bianthryl. 355919
Morita, Tasuku
Elemental trace analysis of hepatomas and normal tissues by proton induced x-ray emission spectroscopy. 349854
Moritz, H.
Experiment recalculation using the thermohydraulic analysis code THELKA. 370583
Moritz, J.
Comparison of inelastic electron and positron scattering cross sections on ^{12}C and ^{27}Al. (DESY – 77/40) 364781
Shadowing effect in inelastic electron scattering on ^{12}C and ^{27}Al nuclei at small four momentum transfer. (DESY – 77/55) 364782
Validity of the one-photon exchange approximation in inelastic scattering of electrons and positrons on protons. 366889
Moriuchi, Shigeru
A dosimetric instrument based on the spectrum weighting function method for environmental radiation measurements. (JAERI-M – 7066) 350319
Environmental exposure measurements in and around the site of nuclear facilities. 373897
Moriya, Takeshi
Signatures of unusual Higgs boson in vectorlike gauge theories. 353833
Two kinds of muon number nonconservation. 359269
Moriyama, Hirotake
γ-radiolysis of aqueous solutions of tellurium. 354445
Moriyama, Noboru
Safety evaluation of asphalt products for final disposal. 350404
Safety evaluation of asphalt products, (1). 355649
Moriyama, Takeo
Reactor. 360887
Studies for aseismatic design of atomic power equipment. 360832
Moriyasu, M.
Anion coordination to uranyl ion and the luminescence lifetime of the uranyl complex. 369755
Quenching mechanisms of uranyl luminescence by metal ions. 369756
Quenching of uranyl luminescence by water molecule. 369678
Morjan, I.
Postcritical-density stationary plasma on highly absorbant (metallic) targets in vacuum under TEA-CO_2 laser radiation. 366496
Morjan, I.G.
Charge collection measurements on TEA CO_2 laser produced plasma on metallic targets. 377331
Morkin, L.A.
Total cross section measurement for the $T(t,2n)^4He$ reaction. 378056
Morkovin, N.V.
Contact contribution in lanthanide shifts of ^1H and ^{31}P in nuclear magnetic resonance spectra of phosphonates. 369597
High-resolution nmr radiospectrometer. (Soviet patent document 490002/A/) 350364
Morkovkin, N.V.
Device for suppressing spin-spin interactions in nmr radiospectrometers. (Soviet patent document 473090/A/) 376677
Morkramer, K.L.
Device to determine the level of the liquid melting material in electric induction furnaces. 371157
Morlat, G.
Nuclear energy and public opinion: arousal of a myth. 355675
The public and nuclear energy. 370521
Morlevat, J.-P.
X-ray diffraction and scanning electron microscopy study of pyrolytic silicon carbide particles for a high temperature reactor. 373309
Morlock, G.
Studies for a comparison of the maximum possible consequences of accidents in a reprocessing plant and a nuclear power station. 351684
Morogovskij, G.B.
Evaluation of nuclear constants for ^{235}U in the neutron energy range from 10^{-4} to 15 MeV. (INIS-mf – 3895) 356804
Evaluation of nuclear data on ^{241}Pu for the compilation of a complete file of constants. (INDC(CCP) – 113/U) 356805
Resonance parameters of ^{235}U in the energy range below 140 eV. (INIS-mf – 3895) 354222
Morogovskij, G.V.
Some questions concerning the parametrization of the cross-sections of fissionable nuclei in the resolved resonance energy region with ^{235}U, ^{239}Pu and ^{241}Pu as examples. (INDC(CCP) – 113/U) 356806
Moroishi, Taishi
Development of steel tubes for steam generator of fast breeder reactor. 349557
The effect of carbides on the decarburization behavior of 2.25 Cr-1 Mo steel in high temperature sodium. 367272
Morokhov, I.D.
International safeguards to ensure the non-proliferation of nuclear weapons. 371302
Morokuzu, Muneo
Cascade of centrifugal separator. 360555
Morooka, Yasuo
Control equipment for condenser cascade plant. 367847
Morosanova, S.A.
Photochemical reduction of 12-molybdoarsenic acid in aqueous-organic media. 375317
Morosin, B.
Preparation and structural studies of the hydrolysis products of titanium, niobium and zirconium alkoxides. (SAND – 76-0556) 359674
Temperature and volume dependence of some magnetic properties of Pr-pnictides. 348861
Morosoff, N.
Localized radiation grafting of flame retardants to poly(ethylene terephthalate). I. Bromine-containing monomers. 365067
Morosov, Y.G.
Variations of the energy spectra of the impurity atoms in InSb under 4.2 K gamma irradiation. 370190
Morovic, T.
The influence of retardation effects in very heavy ion collisions. 353289
The influence of retardation effects in very heay ion collisions. 377055
Interpretation of quasi-molecular L X-rays in heavy-ion collisions. 355906
Morowski, J.V.
Managing nuclear plant standardization. 360882
Moroz, B.B.
Factors controlling the recirculation of the stem cells. Communication 2. Influence of adrenocorticotropin on the migration of haemopoietic stem cells from the shielded part of the bone marrow in irradiated mice. 349734
Isolation and activity of splenic protein fraction stimulating the postirradiation recovery of bone marrow. 376096
Moroz, F.V.
sup(177)Os and sup(179)Os decay. 377971
Moroz, I.A.
Recrystallization texture and anisotropy of properties of cold rolled α-titanium. 373167
Moroz, I.I.
Electrochemical machining of the VKh6 alloy. 362355
Moroz, I.Kh.
On crystallochemistry of uranil silicates. 362586
Synthesis and crystallochemical analysis of phosphoric analogue of troegerite. 349656
Moroz, L.S.
Dislocation structure effect on low-temperature creep during dynamic relief of austenitic steel, copper and aluminium. 378693
Moroz, V.I.
Early stages of evolution of the terrestrial atmosphere and hydrosphere. 376051
Experimental investigation of FSD-precision in the processes of measuring of MIS (JINR) fiducials. (JINR-R – 10-10798) 379875
Topological cross sections of np-interactions in the monochromatic neutron pulse range from 1 to 5 GeV/c. (JINR – 1-8565) 356475
Morozhenko, A.V.
Parameters of vertical structure of upper layers of the Jupiter's atmosphere. 364385
Morozov, A.A.
Numerical study of the dependence of stationary distribution of photoneutrons on the rock parameters. 367365
Morozov, A.G.
Build-up of spiral-type disturbances in disks of flat Galaxies by the Kelvin-Helmholtz instability. 369166
Morozov, A.I.
Crystals-liquid and crystals-vapor equilibrium in the rare earth chloride-aluminium chloride systems. 375522
High-frequent field effect and its manifestations in acoustoelectric phenomena. 374724
Orientation dependence of acoustoelectric effect in the piezodielectric-semiconductor laminated structure. 350705
Physicochemical and spectral investigations into neodymium complexing in the $NdCl_3$ – $AlCl_3$ system. 349268
Spectral-luminescent investigations of MeCl-$AlCl_3$-$NdCl_3$ systems (M = K, Cs). (INIS-mf – 3955) 362377
Morozov, A.M.
Chromium-molybdenum-vanadium steel embrittlement during tempering. 370006
Spontaneous and stimulated radiation of monocrystals of yttrium and rare earth oxyortho-silicates activated by golmium. (INIS-mf – 3955) 377249
Morozov, A.N.
On the argon ions irradiation effect on nickel oxidation in low-pressure oxygen. (KFTI – 75-35) 357436
Morozov, B.S.
Texture of welded joints of commercial titanum alloys. 378579
Morozov, D.A.
Photon elastic scattering in a high-strength field and photoproduction of the pair and a photon. 355806
Morozov, E.G.
Cherenkov shower γ-spectrometer. 376655
Morozov, E.M.
Determination of fracture toughness in samples with a surface crack. 378667
New phase transitions in lead zirconate-titanate. 355996
Morozov, G.G.
Interaction between liquid magnesium and yttrium fluoride dissolved in melt of sodium and calcium chlorides. (INIS-mf – 4187) 375413

Thermochemical characteristics of interaction between yttrium and magnesium fluorides and sodium and calcium chlorides in melts. (INIS-mf – 4187) 375556
Thulium and ytterbium mechanical properties. (INIS-mf – 3839) 357333
Morozov, I.A.
Investigation of certain mechanical properties of sprayed material. 367267
Morozov, I.I.
Mass-spectrometric investigation of very fast reactions of fluorine atoms with radicals. 377126
Morozov, I.S.
Crystals-liquid and crystals-vapor equilibrium in the rare earth chloride-aluminium chloride systems. 375522
Interaction of complex chlorides formating during raw material chlorination and salt refining of rare metal chlorides. 357029
Morozov, I.V.
Metallography preparation of niobium tape for grain orientation determination from electron microscopy imaaes. (INIS-mf – 3839) 365172
Morozov, N.A.
Measurement of ^{236}U and ^{239}U compound nuclei lifetime dependence on excitation energy. (INIS-mf – 3896) 356917
Morozov, N.N.
High temperature spectroscopy of monocrystals of refractory oxides. (INIS-mf – 3955) 378304
Spectra of rare earth metaborates monocrystals. (INIS-mf – 3955) 378305
Morozov, N.P.
Diffusion-coagulation model of accumulation of radiation-induced defects under ion bombardment of silicon. 348828
The effect of stationary force fields on the concentration and distribution of radiation damage in atomic collision cascades. (INIS-mf – 3996) 364088
Morozov, V.A.
The effect of composition of mixture on rate of radiation initiation of chain reactions. 369805
Morozov, V.G.
On mechanism of uranyl acetate decomposition. 359728
Morozov, V.I.
Installation for studies on ultracold neutron holding in a large closed vessel. (INIS-mf – 3895) 354011
Installation for ultracold neutron production on the SM-2 reactor. (INIS-mf – 3895) 354010
On application possibility of ultracold neutron wall and magnetic traps for free neutron lifetime measurement. 371114
Transport of ultracold neutrons along cylindrical neutron guides. (INIS-mf – 3895) 354012
Morozov, V.M.
On the total cross-section reconstruction of neutron-nucleus interactions as neutron energy function by experimental data. (IAE – 2454) 349095
Study on cross-section properties of neutron forward elastic scattering and optical theorem. (INIS-mf – 3897) 356634
Morozov, Yu.G.
On conductivity mechanism of nitrogen-fixing titanium-molybdenum hydroxide system. 378244
Morozova, G.I.
Analysis of intermetallic inclusions in defective castings of the Mg-Zn-Zr alloy system. 351783
Morozova, G.M.
Wide gap spark chamber with mylar walls. 379907
Morozova, I.K.
Behaviour of corrosion products of reactor materials. 375393, 375725, 375726, 375727
Morozova, I.N.
Study of structure of lithium tellurite glasses by infrared spectroscopy. 378346
Morozova, L.G.
Spontaneous and stimulated radiation of monocrystals of yttrium and rare earth oxyortho-silicates activated by golmium. (INIS-mf – 3955) 377249
Morozova, N.M.
Effect of ionic form of anion exchanger on sorption kinetics of cerium (3) ions. 351476
Morozova, O.S.
Investigation into oxide bismuth-molybdenum-containing catalysts by X-ray phase analysis and diffuse reflection spectroscopy. 378324
Morozova, P.V.
Search for correlations between production of high energy helium nuclei and generation of shower particles. 369359
Morozumi, S.
Effects of distribution of helium bubbles on the tensile properties and swelling of neutron-iradiated and annealed beryllium. 370196
Morozumi, Takashi
Oxidation or reduction of ferrous sulfate and other solid inorganic substances induced by γ-irradiation. 373069
Morrell, B.
An oil removal system for an oil-injected screw compressor on helium. 360639
Morrell, J.
2002. Britain plus 25. 376814
Morris, C.C.
A comparison of the RBE of fast neutrons at Edinburgh and Hammersmith. 360284
Morris, C.J.
Evaluation of liquid metal leak detection methods for the Clinch River Breeder Reactor Plant. (PNL – 2447) 379792
Morris, C.L.
Channeling of positive and negative pions in a silicon crystal. (CONF-770931 – 5) 375092
Energy dependence of π^+ induced two- and four-nucleon removal. 369510
Position-sensitive gas proportional chambers. (LA-UR – 77-2438) 374347
Morris, D.W.
Los Alamos Scientific Laboratory building cost index. (LA – 6995-MS) 367932
Morris, E.T.
Neutron irradiation of dilute aluminium alloys. 373365
Morris, G.C.
Exciton fission and annihilation in crystalling tetracene. 356508
Morris, J.B.
Preliminary experience with the new Harwell inactive vitrification pilot plant. 358495
Morris, J.E.
Differentiation of peripheral lymphocyte population in Pu-exposed beagle dogs. (BNWL – 2100(Pt.1)) 360328
Morris, J.F.
Diminiode thermionic conversion with 111-iridium electrodes. (N – 76-33991) 361754
Morris, J.M.
Exciton fission and annihilation in crystalling tetracene. 356508
Morris, J.R.
Propagation of highly aberrated laser beams in nonquadratic plasma waveguides. 350835
Morris, J.W. Jr.
Theoretical study of two-phase decomposition and coarsening. (LBL – 6613) 373260
Three-dimensional analysis of cellular microstructures by computer simulation. (LBL – 6614) 369635
Use of microstructure control to toughen ferritic steels for cryogenic use. I. Fe – Ni steels. (LBL – 5767) 351815
Morris, L.D.
Auroral electrojet magnetic activity indices AE (11) for 1974. (PB – 263927) 351962
Morris, M.E.
Recent developments in Sandia Laboratories' sewage sludge irradiation program. (INIS-mf – 4220) 379412
Recent developments in the Sandia Laboratories' sewage sludge irradiation program. (SAND – 77-1411) 379413
Morris, P.A.
Concepts of nuclear quality assurance. 376443
Nuclear safety experience: key attitudes and events. 360462
Morris, R.C.
$La_2Be_2O_5$: Nd laser crystals. 357370
Morris, R.H.
Radiation chemistry of acetylene at high intensity: the initial product distributions. 362289
Morris, W.F.
Automation of the National Water Quality Laboratories, U.S. Geological Survey. I. Description of laboratory functions and definition of the automation project. (UCRL – 52295(Pt.1)) 379284
Morrish, A.H.
On the hyperfine field of γ-Fe_2O_3 small particles. 366422
Morrison, A.F.
BWR blowdown/emergency core cooling program: 64-rod bundle core spray interaction (BD/ECC1A) test plan. (GEAP-NUREG – 21638) 373846
Morrison, D.R.O.
The effect of resonance production on angular correlations. 353935
Inclusive yields and transverse spectra of non-strange mesons. 353853
Spin and lifetime of the Ω^- hyperon. 372517
Spin-parity analysis of the diffractively produced low-mass Nπ systems in the reaction $\pi^-p \rightarrow \pi^-(N\pi)^+$ at 16 GeV/c. 369382
A study of direct and indirect pion production in π^+p interactions at 16 GeV/c. 377804
Study of the reactions $\pi^+p \rightarrow \pi^0\Delta^{++}(1236)$, eta Δ^{++} (1236) and eta'Δ^{++} (1236) at 16 GeV/c. 372526
Study of the reactions $K^-p \rightarrow K^+K^-\Lambda$ and $Kp \rightarrow$panti pΛ, at 10 and 16 GeV/c. 353978
Total cross sections for charged-current neutrino and antineutrino interactions in BEBC in the energy range 20-200 GeV. 353945
Morrison, F.A. Jr.
Stability of flow from a nuclear cavity. Final report. (UCRL – 13799) 379458
Morrison, G.H.
Neutron activation determination of noble metals using a selective group separation scheme. 372906
Morrison, G.W.
Applications of Kalman Filtering to nuclear material control. (ORNL/NUREG/CSD – 1) 374500
Optimal state estimation theory applied to safeguards accounting. (CONF-770656 – 20) 361211
Morrison, H.L.
Galilean presymmetry and the quantization of circulation,. 351125
Morrison, I.
A simple model of ^{90}Zr. 366948
Morrison, J.A.
Management of radioactive wastes from nuclear fuels and power plants in Canada. (AECL – 5706) 361100, 368362
Neutron scattering and proton spin conversion in solid CH_4. 359357
Morrison, J.D.
Electrostatic electron energy analysers and the application of the cylindrical mirror system to the study of ionization efficiencies

by electron impact. 371164
Morrison, M.A.
Electron-molecule scattering theory: An R-matrix study of low-energy elastic e-N_2 collisions in the static-exchange approximation. 358791
Recent applications of the R-matrix method to problems in low-energy electron-diatomic-molecule scattering. 358821
Theoretical calculation of cross sections for rotational excitation in e-CO_2 scattering. 358790
Theory of low-energy electron-molecule collisions: a comparison of electron-CO_2 and electron-N_2 elastic and rotational-excitation cross sections. 358789
Morrison, P.
Astronomy and the laws of physics. 369167
Morrison, R.W.
CO_2 laser irradiation of solid targets in strong magnetic fields. 368955
Effect of high gas density and energy control on spark width in narrow-gap chambers. 379930
Morrison, T.
Lifetimes in ^{61}Ni measured by the recoil distance technique. 351425
Morrison, T.P.
Gamma ray spectroscopy in ^{64}Zn – levels below 3.1 MeV in excitation. 369509
Morrison, T.Pn
Nuclear spectroscopy in ^{63}Zn: states below 1.5 MeV. 369496
Morrissey, D.J.
Large collision residues and nuclear fission in the interaction of 25.2-GeV ^{12}C with uranium. 351386
Possible mechanisms for ^{256}Fm and ^{256}Md production in the compound system ^{264}104. (LBL – 5075) 356891
Search for superheavy elements in the bombardment of ^{248}Cm with ^{48}Ca. 351372
Morrow, W.M.
Training personnel to design earthquake-resistant nuclear power plants. 352234
Mors, P.M.
Quasi-free (π,πN) scattering. 372620
Morsch, H.P.
The (α,α'f) reaction on ^{232}Th. (INIS-mf – 4267) 378044
Morse, D.
Ultrafast pulsed magnets for beam manipulation in an electron storage ring. 363206
Morse, E.C.
Reversed field decay times. (COO – 2218-80) 361597
Morse, J.G.
Nuclear methods in mineral exploration and production. 373404, 373414, 374031, 374306, 374361, 379962
Morse, L.E.
Radiological environmental assessment of the recycle of LMFBR advanced fuels. (CONF-771008 – 5) 373872
Morse, M.L.
Cellular glutathione is a key to the oxygen effect in radiation damage. 376081
Morse, R.L.
Growth and saturation of instability of spherical implosions driven by laser or charged particle beams. 361591
Material end plugging of straight theta pinches. 350895
Symmetry of laser-driven implosions. 371885
Morstin, K.
Hydrogen in coal. The feasibility of determination by neutron methods. 376645
Morsy, M.W.
A new version of the R-matrix theory for heavy ion transfer reactions. 356635
Morsy, S.M.
Arrangement used to determine the total activity of gamma rays emitted by a body. (German (F.R.) patent document 2517752/A/) 355558
Future fuel cycle requirements and radioactive waste management plans for Egypt's nuclear power programme. 371254
An instrument for the determination, independent of position, of radioactively labelled aerosols in the lungs for clearance testing. (AED-Conf – 76-134-005) 355029
Mortelmans, J.
The chromosomal radiosensitivity of lymphocytes from the chimpanzee (Pan troglodytes). 352039
Morten, L.
U, Th, and K determinations on the superferrian Voltri eclogites (Pennidic Belt, Italy). 376004
Mortensen, L.
Calculation of fission product decay heat. (RISO-M – 1975) 368003
Mortensen, M.H.
Evidence for the excitation of giant resonances in heavy-ion inelastic scattering. 372709
Pair excitations in the even W-isotopes. 354243
Mortensen, W.K.
Microcomputer-based pellet trajectory guidance system for the Baseball II-T experiment. (UCRL – 79685) 371958
Mortimer, M.
Reorientation of D_20 in concentrated aqueous solutions of lithium chloride studied by nuclear magnetic relaxation. 375420
Mortimer, M.J.
Electrical resistivity of protactinium metal. 351755
Low-temperature specific heat anomalies in polycrystalline α-Uranium. 351756
Mortinska, G.
Four-prong π^-p interactions with π^0 production. Pt. 2. Cross section determination by statistical method; study on characteristics of proton and neutron production. (JINR-R – 1-8793) 364460
Morton, A.H.
Spectroscopic observation of LT-3 tokamak plasma at disruptive instability. (PGPP – 77-2) 371959
Use of optical filters for Tokamak plasma spectroscopy. 368976
Morton, D.C.
Some OI oscillator strengths and the interstellar abundance of oxygen. 359190
Morton, J.B.
Raman scattering cross section and density measurements of UF_6. 351599
Morton, N.
Solubilities of caesium hexachlororhenate(IV), hexabromorhenate(IV), and tetraoxorhenate(VII) in alcohol-water mixtures, and their relation to cosolvent characteristic volume. 351474
Morton, P.
Study of SPEAR as dedicated source of synchrotron radiation. 363183
Morton, P.L.
Chromaticity correction in large storage rings. 363207
Morton, W.
A study of the Dalitz plot in the decay K^{0}sub(L)$\rightarrow\pi^+\pi^-\pi^0$. 353988
Morton, W.T.
K^{0}sub(L)p interactions in the c.m. energy range 1.54-1.71 GeV. 372508
Moryson, H.
Handling of spent fuel elements at the Kalkar nuclear power station. 371041
Morzheedova, R.N.
Fine crystal structure and coercive force of RCo_5 alloys. (INIS-mf – 3839) 367239
Mosanov, O.
Study of photoconductivity of InSb-NiSb in a magnetic field. 374753
Mosby, R.
Clinical evaluation of the Cleon imager. 374369
Mosca, L.
Λ and anti Λ production in K$^+$p interactions at 32 GeV/c. 372512
Moscati, G.
Measurement of delayed neutrons in the photofission of ^{238}U e ^{232}Th. 354240
Multipolarities of nuclear transitions involved in the one neutron disintegration of ^{238}U. 359507
Moscicki, J.
Dielectric relaxation in the isotropic, nematic and solid phases of p-azoxyanisole in the radio and microwave frequency range. 371702
Moscol, J.A.
Radiation-induced liver damage. 379027
Mosel, U.
Shell correlations for highly asymmetric systems. 351282
Moseley, J.T.
Collisional deexcitation and photodetechment of excited NO_2^-. 377039
Laser – ion coaxial beams spectrometer. 358760
Photodissociation of O_3^- and its hydrates. 376993
Photofragment spectroscopy and potential curves of Ar_2^+ . 350660
Photofragment spectroscopy and potential curves of Ar_2^+. 377084
Photon interactions involving NO_2^-, NO_3^-, and their hydrates. 376994
Threshold photofragment spectroscopy of O_2^+(a^{4}PIsub(u)). 377125
Moser, F.L.
Hyperon and multi-kaon production in K$^+$p interactions at 4.3 GeV/c incident momentum. 356515
Moser, H.
Annual report 1975. (GSF-R – 132) 349668
Investigation of groundwater flow with the aid of indium-EDTA-complex using neutron activation for the determination of the tracer. 372836
Moser, H.O.
An electrostatic high-gradient accelerator for hydrogen cluster ions. 355200
Negative ions produced from clusters for plasma heating. (INIS-mf – 3963) 371742
Moser, P.
Internal friction peaks due to dislocation relaxations in plastically deformed and/or irradiated high-purity α-iron. 1. 348792
Moses
Unresolved resonance parameters for ^{235}U. (BNL-NCS – 22500) 356800
Moses, G.A.
Laser fusion hydrodynamics calculations. 364229
PHD-IV, a laser-plasma simulation code. 377492
Mosey, D.
Neutrons may provide the map – nature's buried treasure. 356966
Moshe, M.
Cut Reggeon field theory in the triple-Regge region. 358675
Mosher, D.
Neutron and energetic ion production in exploded polyethylene fibers. 350972
Mosher, J.M.
A statistical study of spicule inclinations. 353702
Moshfegh Hamadani, S.
Design, construction and performance of a 6 watt CO2 laser. (AEOI – 64) 371960
Moshkevich, E.I.
Experience manufacturing and properties of the high-strength corrosion-resistant magnetic 03Kh12K12D2 steel. 375831

Metal quality improvement and increasing the efficiency of electroslag smelting. 365130
Moshkovskij, N.S.
Radiation action with LET on cellulose esters. 375707
Study of LET radiation effect on radiolysis and chemical stability of polycarbonate. 369799
Mosinski, G.
Measurement of the (n, 2n) and (n, 3n) cross section from the threshold up to 15 MeV by a large liquid scintillator. (INIS-mf – 3896) 356763
Moskalenko, E.I.
Emission variability of the Sco X-1 source on the observations of the Salyut-4 station. 364387
Equipment for measuring X-ray emission of extraterrestrial sources. 374294
Observations of Cygnus X-1 on the Salyut-4 space station. 374963
Observations of the Cir X-1 X-ray source on the salyut-4 space station. 361709
Observations of the Hercules X-1 x-ray source on the Salyut-2 station. 369089
Scorpius X-1 – observations from the "Salyut-4" station in January, 1975. 364386
Moskalenko, V.A.
Statistical methods of research in many particle systems. 348801, 349104
Moskalev, A.I.
Device for simulation of integral dose distribution in multifield radiotherapy. (Soviet patent document 441733/A/) 379482
Moskalev, A.N.
Possibilities for studying weak interactions in atomic physics. 371520
Moskalev, P.N.
Synthesis of americium diphtalocyanine and some its properties. 369757
Moskalev, Yu.I.
Action of various ^{131}I doses on the natural and radiation-induced occurence of mammary gland neoplasms in rats. 376102
Certain data on the microdistribution and pathological anatomy of curium-244. 360339
Delayed effects of external β-irradiation of rats at low doses. 370359
On the mechanism of aggregation of Am^{241} particles. 379115
The role of age in the remote after-effects for rats externally irradiated with β particles. 379031
Moskaleva, L.P.
Nuclear interactions of cosmic rays with the Mars atmosphere and rocks according to data of the Mars-5 space vehicle. 356327
Moskalevich, V.L.
Resisting anodes for systems of cathode protection of metals in sea water. 367179
Moskalik, K.G.
The cell proliferation kinetics of the tumor NK/Ly after single and fractionated irradiation by fast electrons. 349703
Mosko, S.W.
Design status of a separated-sector cyclotron booster accelerator for the Holifield Heavy Ion Research Facility. (CONF-770313 – 82) 365752
ORIC RF system: preparation for HHIRF. (CONF-770313 – 83) 365754
Moskowitz, E.
Energy transfer and photooxidation kinetics in reaction centers on the picosecond time scale. 367458
Moskvin, A.S.
Supertransferred hyperfine interaction in magnetic insulators. II. 356026
Moskvin, L.I.
Separation of Am, Cm and rare-earths on the colloidal fraction of an anion-exchange resin deposited on an inert carrier. 354400
Moskvin, L.N.
Continuous analysis of iodine, cesium, barium, strontium, yttrium and rare earths isotopes from water coolant of nuclear reactor. 356967
Separation of Am, Cm and rare-earths by continuous two-dimensional ion-exchange chromatography. 354405
Separation of uranium and fission products by means of liquid extraction membrane. 378479
Moskvina, Z.V.
On mechanism of homomolecular isotopic exchange reaction of O_2 on the surface of lanthanum oxide irradiated in vacuum. 373045
Mosley, W.C. Jr.
Chemical plating method of preparing radiation source material. 357871
Moss, C.
Velocity dispersions in clusters of galaxies. 369058
Moss, D.
Models of magnetic stars. 359135
Moss, D.J.
Impact of offshore nuclear generating stations on recreational behavior at adjacent coastal sites. (NUREG – 0394) 379213
Moss, F.
Vortex-line density fluctuations in turbulent superfluid helium. 359206
Moss, G.A.
Elastic proton scattering from ^4He in the forward direction at 200, 350 and 500 MeV. 362107
Energy loss and straggling of low energy alphas in helium. 353209
Moss, J.M.
Isoscalar breathing-mode state in ^{144}Sm and ^{208}Pb. 372833
Spin flip excitation of the 1^+ T = 0 state in ^{12}C. 362082
Moss, M.
Fire protection device for LMFBR spent fuel shipping casks. (SAND – 77-0723) 360694
Moss, R.L.
Comparison of the application of plate and beam theories to the elastic dilation and interaction of PFR sub-assembly wrappers. (ND-R – 9(S)) 374259
Moss, S.C.
Diffuse neutron scattering from an ω-phase ZrNb alloy. 359346
Moss, S.H.
The sensitising effect of a sunscreening agent, p-aminobenzoic acid, on near UV induced damage in a repair deficient strain of Escherichia coli. 360240
Mossberg, B.
Differential cross sections for p-^4He elastic scattering at GeV energies. 354220
Mosser, A.
Contrast change of the LEED Kikuchi pattern due to plasmon excitation. 371678
LEED Kikuchi pattern, phonon and plasmon contributions. 368849
Mostafa, I.Y.
Carbaryl residues in maize products. 379171
Phosvel residues in cotton-seed products. 379163
Mostafa, O.A.M.
Ion beam analysis from the saddle field ion source. 370677
Mostepanenko, V.M.
Energy and pressure for the creating matter near an isotropic cosmological singularity. 374934
Energy and pressure of fermion pairs created near the Fridman singularity. 374935
Particle production and scattering by a non-stationary electromagnetic field in canonical formalism. 348589
Spontaneous breaking of the gauge symmetry in the homogeneous isotropic Universe of open type. 374562
Mostin, N.
Quality control of plutonium oxide fuel elements by neutron radiography. 376440
Mostinskij, I.L.
Efficiency of various systems for lead-in and lead-out of an ionizing additive for a power station with an open-cycle MHD generator. 356355
Mostoller, M.
Lattice vibrations in Rb/sub 1-c/K/sub c/ alloys: Shortcomings of a single-site coherent potential approximation. 359964
Phonon – internal-mode hybridization in KCl:CN^-. 365230
Mostovoj, V.M.
Nonlinear changes in energy gap and phonon frequencies of indium under pressure. 353422
Mostovoj, Yu.A.
New measurements of spin-electron angular correlation in polarized neutron decay. (INIS-mf – 3895) 354180
Polarized neutron intensive beam on a vertical reactor channel. 371063
Mostovskaya, L.I.
Black chromium coatings on different structural materials. 351706
Mostrom, M.A.
Poloidal rotation damping on pure toroidal magnetic field lines. (PPPL-EPRI – 6) 361598
Raman sidescatter instability in a nonuniform plasma. (LBL – 6703) 377493
Mosulushvili, L.M.
Activation analysis of ribonucleic acides isolated from normal and tumoured tissues. (INIS-mf – 3994) 378087
Mosunov, Yu.A.
Diagnostic of authigene calcite in production wells by radioactivity logging. 354636
Moszczynska-Kowalska, A.
Investigations on capillary perfusion in superior rectus muscle in rabbit with the use of radioactive ^{133}Xe. 367706
Moszkowski, S.A.
Abnormal neutron star matter at ultrahigh densities. 354090
Connection between the Migdal and surface delta interactions. 364706
Mot, O.
The determination of power distribution in the IRT-M modified core of the VVR-S reactor by using an experimental bundle. 358044
Mota, H.C.
Raman scattering of light by fluctuations above the critical temperature of a pure and dirty superconductor. 351109
Motavekh, Kh.A.
Orientation dependence of secondary ion emission in the direction of close packing. (INIS-mf – 3996) 363971
Moteff, J.
Correlation of substructure with mechanical properties of plastically deformed reactor structural materials. Progress report, January 1, 1976 – June 30, 1977. (COO – 2107-12) 351784
Substructures developed during creep and cyclic tests of type 304 stainless steel (heat 9T2796). (ORNL – 5293) 362465
Motes, B.J.
Procedures: Source Term Measurement Program. (NUREG – 0384) 379237
Motl, G.P.
Requalification training: an independent view. 358151
Motley, R.W.
Landau damping of low and high power slow electrostatic waves. (PPPL – 1372) 361605
Landau damping of low- and high-power slow electrostatic waves. 366611
Plasma-wave coupling and propagation using phased waveguide

arrays. 348885
Motobayashi, Toru
^{4}He(d, pα)n reaction at Esub(d) = 8.9 MeV. 354254
Motoc, C.
The influence of surface charge and dipole distributions on heterogeneous nucleation. 377250
On some morphological changes in ionic crystals. 356027
Motohashi, Koichi
Inspection of the fuel for the Japan Experimental Fast Breeder Reactor JOYO. (PNCT - 831-76-01) 379788
Motojima, K.
Improvement on removal of radio-cobalt from waste water by ferric hydroxide coagulation-flocculation process using diethyldithiocarbamate. 366082
Motomizu, Shoji
Extraction-photometric determination of cobalt in high-temperature alloys with 2-nitroso-5-dimethylaminophenol. 354294
Motoyama, Shigeji
Design of pretreatment unit for Kr-85 recovery system. (PNCT - 831-76-01) 380013
Fundamental Research on pretreatment process for Kr-85 recovery system. (PNCT - 831-76-01) 380015
Performance test of the pretreatment unit for Kr-85 recovery system. (PNCT - 831-76-01) 380014, 380024
Motozato, Y.
Network of γ-irradiated poly(vinyl alcohol) beads. 359779
Motrychuk, G.Ya.
Phase equilibria in the V-Ni-Al system and some properties of the alloys. 370008
Mott, G.T.
Experience with an automatic isodose plotter. 365646
Mott, J.E.
Accident trees: a framework for accident evaluation. (CONF-761001 - P2) 362874
In-situ response time testing of platinum resistance thermometers. (EPRI-NP - 459) 358223
Mott, N.
Werner Heisenberg, 5 December 1901 - 1 February 1976. 371327
Mottana, A.
U, Th, and K determinations on the superferrian Voltri eclogites (Pennidic Belt, Italy). 376004
Motte, F.
Comparative study of the oxidation with water vapor of pure titanium and of Ti - 6Al - 4V. 362305
Mottet, P.
Checking the homogeneity of fuel for high-temperature reactors. 376543
Isotropic nuclear graphites; the effect of neutron irradiation. (CEA-CONF - 4031) 370184
Mottl, J.
Isotopic method of leaks detection in oil pipelines. (INIS-mf - 4015) 373983
Mottley, C.
Chemically induced dynamic electron polarization: examples of S-T/sub +1/ polarization. (CONF-7705101 - 1) 373099
Motts, G.
Kornwell-Norton moments and electromagnetic current commutator expansion on light cone. (JINR-D - 1,2-9342) 355848
Mouchova, H.
Application of ^{15}N in horsebean field experiments. 379148
Moudgal, N.R.
Effects of a highly purified antiserum to FSH on testicular function in immature rats. 367643
Mougey, J.
Researches with the 600MeV Linac. Chapter 4. (CEA-N - 1959) 354138
Mougin, B.
An acceleration evaluation of the performance of the Soviet-French wide-gap spark chamber for gamma-ray astronomy. 368266
A 1m^2 gamma ray spark chamber telescope for the energy range 10-100 MeV. 379929
Mougniot, J.
Advanced mixed oxide fuel element for fast reactors. 379753
Mougniot, J.C.
A closed fuel cycle. Rapsodie. 368221
Corrosion and radioactivity in the primary circuit of a sodium cooled reactor. The computer code "Corona". (IWGFR - 7) 363503
Utilization of plutonium. 368415
Mould, J.R.
Band strengths of M stars in the Orion population. 359136
Iron hydride in stellar atmospheres. 374938
Moulder, J.E.
Radioprotection by pentobarbitone sodium of a murine tumour in vivo. 365397
Moulding, M.
Effects of line blending on the black hole candidacy of cygnus X-1. 353703
Moulopoulos, S.
Serum folic acid and Vitamin B-12 level in elderly. (INIS-mf - 4010) 370486
Moulton, J.B.
Transitional features observed in the charge and angular distributions of deeply inelastic fragments produced in the reactions ^{181}Ta + 620 MeV ^{86}Kr. 372722
Moura Goncalves, A. de
Average polarization of ^{12}B in ^{12}C(μ,γ)^{12}B(g.s.) reaction: helicity of the π-decay muon and nature of the weak coupling. 356519
Mourier, Georges
Ion source using a hollow cathode discharge system and especially, particle accelerator comprising said source. 355201
Mouritsen, O.G.
Fluctuaton-induced first-order phase transitions studied by the Monte Carlo technique. 360047
Mouritsen, P.E.
Public involvement in Denmark. (INIS-mf - 4199) 373860
Moustakakis, B.
Parametric investigation of fracture of EBR-II ducts. (CONF-770807 - 39) 365997
Mousty, F.
Nuclear transmutation of actinides other than fuel as a radioactive waste management scheme. 368363
Moutsopoulos, H.M.
Demonstration of activation of B lymphocytes in New Zealand black mice at birth by an immunoradiometric assay for murine IgM. 373674
Mouzourakis, P.
Study of photons produced simultaneously with the J/psi particles at the CERN Intersecting Storage Rings. 377794
Mouzourakis, S.P.
The cross section for the production of massive electron pairs and the UPSILON(9.5 GeV) in proton-proton collisions at the CERN ISR. 369367
Movchan, B.A.
Main stages of secondary boundary formation during liquid phase crystallization. 378694
A new approach to the determination of activation energy of high temperature steady creep. 373238
Movchan, V.I.
Structural change in a low-carbon steel during decarbonization in the intercritical temperature range. 378600
Movsesyants, Yu.B.
Interaction of two charged media in the theory of a self-consistent field. 366277
Particle-like solutions in the theory of a relativistic self-consistent field. 366276
Movshev, V.G.
Mass-spectrometer with selective stepped photoionization of molecules by laser radiation. 376673
Mowry, G.S.
Influence of hydrogen on the low temperature heat capacity of lutetium-rich lutetium-hydrogen alloys. 375901
Moy, G.
Improved evaluation of nozzle corner cracking. Final report. (EPRI-NP - 339) 360886
Moy, H.C.
Experimental evaluation of water surface heat exchange. 370929
Moyer, R.H.
Evaluation of a hydrogen chloride detector for enviornmental monitoring. 367757
Moyers, E.M.
Synthesis, characterization, and application of chelating ion-exchange resins. 351447
Moyers, S.
Cooperative outage management: a utility/vendor team approach that improved plant availability. 358228
Mozalevskij, I.A.
Development of a superconducting current element for the "T-10M" facility. (INIS-mf - 3954) 361544
Mozeto, A.A.
A system for tritium analysis in natural water. (INIS-mf - 4124) 365311
Mozgovoj, A.G.
Experimental study on thermal expansion of a number of structural materials. 375874
Mozhajskij, A.M.
Antitissue antibodies in the serum fractions of intact and irradiated animals. 362678
Mozharov, G.I.
Measurement of tantalum temperature in solid and liquid states at rapid heating by electric current. 359950
Mozharov, V.E.
Fracture resistance of zirconium alloys. 378714
Influence of hydrogenation on characteristics of resistance to fracture of welded joints of zirconium alloys. 375883
Mozhzhukhin, Eh.N.
Neutron scattering at the energy range 1.5-3.0 MeV by Ni^{64} nucleus. 369490
Scattering of neutrons on even Cr, Fe, Zn isotopes in the energy range from 1.5 to 3.0 MeV. (INIS-mf - 3897) 356809
Mozin, I.V.
Control and data aquisition systems on tokamak-type thermonuclear facilities. (INIS-mf - 3954) 364261
System for control of plasma filament equilibrium in the T-10M thermonuclear facility. (INIS-mf - 3954) 361641
Telemechanic systems for T-10M thermonuclear facility injector. (INIS-mf - 3954) 361539
Mozley, S.C.
Radioactivity in sediments of the Great Lakes: post-depositional redistribution by deposit-feeding organisms. 357497
Mozol'kov, A.E.
Diffraction of slow electrons by the periodic structure in the lattice gas model 3. (JINR-R - 17-9532) 368850, 377251, 377252
Mozumder, A.
On dependence of yield of molecular products on cube of water root of acceptor concentration during radiolysis. 362272
Radiation chemistry in condensed phases. 357169
Response to "Comment on 'Probability of escaping neutralization when the mobility is field dependent' ". 369800

Mozzhukhin, A.V.
Separation of Am, Cm and rare-earths by continuous two-dimensional ion-exchange chromatography. 354405
Separation of Am, Cm and rare-earths on the colloidal fraction of an anion-exchange resin deposited on an inert carrier. 354400
Mozzhukhin, E.I.
Interaction of interstitial impurities with metals in diluted solid solution range. 349499
Relative stability of disperse heat resistant compounds in solid metals. 357371
Mpanias, P.
Generalized BCS calculations for the 2s-1d shell with realistic interactions. 359426
Mraz, F.R.
Gastrointestinal absorption and distribution of ^{144}Ce in the suckling pig. 365448
Mraz, L.
^{131}I distribution in mice after irradiation. 349748
Mrkous, P.
Evaluation of surveillance specimens and in-service inspection of tubes of A-1 reactor heavy water calandria. (IAEA – 202) 376471
Mrnka, M.
The extraction of hydrochloric acid and uranyl chloride from HCl and LiCl solutions by tri-n-decylphosphine oxide. 349335
Extraction of sulfuric acid with tri-n-laurylamine in benzene. 349377
Extraction of uranyl sulfate with tri-n-laurylamine. 349332
The investigation of the extraction of mineral acids by benzenic solutions of tri-n-octyl amine by means of infrared spectra of deuterated systems. 349232
On the mechanism of zirconium sulfate extraction with amines. 349258
Solvent extraction of sulfuric acid and uranyl sulfate with tri-n-butyl phosphine oxide. (INIS-mf – 3849) 378499
Mroczkowski, S.
Jahn-Teller antiferroelectric ordering in praseodymium hydroxide. 355981
Mroz, A.
Copper adsorption on the (112) face of tungsten. 370007
Mroz, J.
The appraisal of the efficacy of washing the surfaces in the slaughter premises by means of bacteria labelled with ^{32}P. 373980
Mroz, S.
Copper adsorption on the (112) face of tungsten. 370007
Mrva, V.
Irradiation probe and laboratory for irradiated material evaluation. 354624
Mrygon, B.
Temperature shift of the maximum of neutron critical scattering in the second Born approximation. 371651
Msezane, A.
Born-approximation calculations of the energy and angular distribution of electrons ejected by proton-impact ionization of helium. (ANL – 76-88(Pt.1)) 361376
Mshella, E.D.
Electroexcitation of the giant dipole resonance of ^{12}C in the continuum collective-correlation model. 354091
Msika, D.
Corrosion and radioactivity in the primary circuit of a sodium cooled reactor. The computer code "Corona". (IWGFR – 7) 363503
Decontamination of materials after exposure in LMBFR primary circuit. (CONF-760503 – P2) 352765
Mtingwa, S.K.
Asymptotic chiral invariance and its consequences. 350530
Asymptotic chiral invariance. II. The Consequences. 359297
Mu-tao, L.
A new theoretical model for scattering of electrons by molecules. 1. 363914
Mubarakmand, S.
Application of glass solid state nuclear track detectors in the measurement of charged particle fission cross-section of uranium. 369494
Muccillo, R.
Effect of gamma radiation on the thermoelectret state of BeO. (INIS-mf – 4127) 363962
Thermoelectret properties of BeO. (INIS-mf – 4127) 364077
Mucha, J.
Equipment for liquid phase radiation reaction in the presence of solid. 378536
Muchin, G.G.
The influence of fast quenching on phase transformations of alloys. 367221
Muchotrzeb, B.
Pressureless disk cannot be the source for the kerr metric. 353029
Mucka, V.
Decomposition of hydrogen peroxide on a catalyst NiO-CuO prepared from carbonates and effect of irradiation on the catalyst. 369801
Mud'yugin, B.G.
Design of a vacuum chamber for the T-10M facility. (INIS-mf – 3954) 361554
Muddle, B.C.
Crystallography of the precipitation of β vanadium hydride. 362484
Mudgett, R.A.
An elementary U(2) theory of radiation fields with spin J. 353121
Mudher, S.
Implication of protein aromatic amino acids in concanavalin A-carbohydrate interactions. 376057
Mudra, K.
Application of activation analysis in assessing corrosion properties of steel. (INIS-mf – 4143) 372889
Mudrak, S.
Study of the reaction $K^-p \rightarrow \Sigma^+\pi^-$ near the backward direction at beam momenta of 3.0, 4.2, and 5.1 GeV/c. 372532
Mudryi, A.V.
Radiative recombination centres in silicon irradiated by fast neutrons and ions. 370230
Mudryj, S.I.
Structure of the eutectic In-Sn-Sb alloy in a liquid state. 378309
Muehlbauer, A.
Method of producing silicon monocrystals doped by neutron activation. (German (F.R.) patent document 2516514/B/) 354622
Muehling, G.
Advances in carbide fuel element development for application to fast reactors. 367327
Muehllehner, G.
Positron emission computed tomography using large area detectors. (CONF-770685 – 2) 363548
Muehlradt, P.F.
Carbohydrate incorporation in plasma membranes of mouse thymocytes stimulated by concanavalin A. 360393
Muehry, H.
Scattering of protons from argon and hydrogen at 1 MeV. 366965
Muelders, H.
About the transformation behaviour of cold-worked stainless steel sheets. 354538
Muelenberg, R.K.L.
Diagnostic efficiency of radioallergosorbent tests in children with respiratory diseases and simultaneous multiple pollen allergy. (INIS-mf – 4010) 370487
Mueller-Brand, J.
Isotope cisternography and computertomography for the diagnosis of hydrocephalus aresorptions. (INIS-mf – 4010) 357697
Mueller-Buschbaum, H.
About oxocuprates. 18. 349222
On oxocuprates. Pt. 23. 364945
On oxocuprates. Pt. 24. 359603
Mueller-Dietsche, W.
The project 'HDR safety programme'. 365587
Mueller-Duysing, W.
Analysis of animal experiments of radiation dependent tumor regression in relation to different parameters. (LA-tr – 77-73A) 379019
Mueller-Eckhardt, C.
Studies on the platelet radioactive anti-immunoglobulin test. 365494
Mueller-Frank, U.
Development proposals for large pebble-bed cores – equilization of the pebble flow and modified shutdown system. 379690
Pebble bed reactor with one-zone core. (German (F.R.) patent document 2545013/A/) 365936
Mueller-Hartmann, E.
Interface free energy and transition temperature of the square-lattice Ising antiferromagnet at finite magnetic field. 350759
Mueller-Jahreis, U.
Energy loss straggling of protons and helium ions in carbon. 371563
Mueller-Lyda, I.
Can swelling in fast-breeder fuel rods with oxidic and carbidic fuel. 370197
FR2-loop experimental series 5. Irradiation, post-irradiation examination and analysis of the FCM1. (KFK – 2523) 375954
Mueller-Schauenburg, W.
Quantitative whole-body bone scintigraphy for the diagnosis of systemic skeletal diseases. (INIS-mf – 4010) 357673
Mueller-Veggian, M.
High-spin states and isomers in light transitional nuclei around N = 80. (ZfK – 336) 369495
High-spin states in heavy transitional nuclei around Hg. (ZfK – 336) 369492
Particle-hole symmetry observed in the angular distributions of γ-rays in ^{189} ^{191} ^{193}Au. 354196
Mueller-Vogt, G.
Preparation and investigation of stoichiometric TiN and ZrN monocrystals. 366443
Mueller-Warmuth, W.
Proton magnetic resonance and molecular motion in solid methyl-piperidines and piperazines. 353484
Mueller, A.
Consequences of ultimate sequences of HTGRs. 352189
Development of a depletion program for the calculation of the 3D-burn-up dependent power distributions in light water reactors. (BMFT-FB-K – 77-06) 370906
Development of high field superconductors. Final report, September 1974. (N – 77-14893) 362356
Fission product release from coated particles embedded in spherical fuel elements for high-temperature reactors. 365916
FLEX – a code for calculating neutron flux microdistributions in lattices consisting of hexagonal fuel assemblies. 355242
Formation of H-addition radicals in some pyrimidine and purine derivatives. 357182
Isotopic substitution. 372984
Population of excited ionic states in charge transfer collisions. 358792
Radical formation in single crystals of hypoxanthine.HCl.H_2O, inosine, and the disodium salt of 5'-inosine-monophosphate. 378985
Recurrent inspections of welded joints in pipeline systems. 370825

Results of critical evaluation of the AIPA study. 370970
Scaling of cross sections for multiple electron transfer to highly charged ions colliding with atoms and molecules. 353315
A systematic study of multiple electron capture by highly charged ions in single ion-atom encounters. 358817
Mueller, B.
Bone scintigraphy after injuries of the ankle. (INIS-mf – 4010) 357698
Inner shell ionization in the Pb-Pb quasimolecule. 377120
Interpretation of external fields as temperature. 355808
Ionization, X-rays and positron production in Pb-Pb and U-U collisions. 353192, 376973
K-X-ray spectrum of the Pb+Pb quasimolecules. 377905
The physics of strong fields in quantum electrodynamics and general relativity. 355807
Mueller, C.
Kinetics of ^{111}indium chloride and comparison with ferrokinetics. 352116
Probabilistic/deterministic procedure for analyzing LMFBR core disruptive accidents. (CONF-761001 – P3) 365621
Mueller, E.
Variational calculation of ground-state energy of iron atoms and condensed matter in strong magnetic fields. 351011
Mueller, E.A.
Highlights of astronomy. Volume 4. Part 1. 369020, 369021, 369047, 369051, 369052, 369054, 369058, 369062, 369088, 369092, 369093, 369099, 369103, 369104, 369110, 369123, 369132, 369143, 369146, 369155, 369158, 369159, 369161, 369167, 369173, 369174, 369179, 369224, 369227, 369232, 369235
Highlights of astronomy. Volume 4. Part 2. 369023, 369031, 369033, 369035, 369043, 369045, 369048, 369050, 369053, 369065, 369066, 369072, 369073, 369074, 369075, 369076, 369077, 369078, 369082, 369083, 369090, 369091, 369095, 369096, 369100, 369101, 369102, 369106, 369116, 369117, 369119, 369120, 369127, 369129, 369133, 369137, 369142, 369144, 369149, 369150, 369153, 369156, 369162, 369163, 369168, 369169, 369171, 369175, 369177, 369180, 369181, 369187, 369195, 369196, 369200, 369201, 369206, 369209, 369218, 369219, 369222, 369226, 369229, 369230, 369231, 369233
Mueller, F.
Device for ultrasonic material testing of bolts having an axial through hole, preferably stud bolts of nuclear reactor pressure vessels. (German Dem. Rep. patent document 118329/A/) 365779
Mueller, F.M.
de Haas – van Alphen effect and Fermi surface of Nb_3Sb. 359893
Mueller, G.
The causes of stress relief cracking in heat-affected zones of low-alloy, fine-grained structural steels. 373155
The diffusion of ion-implanted zinc in GaAssub(1-x)Psub(x). 350760
Experiences with vapor explosions caused by entrapment of water with melts. 352227
US in-service testing of reactor pressure vessels; state of the art, illustrated by the example of the components of the Kruemmel nuclear power plant. 370888
Mueller, H.
Catalytic determination of metals after solvent extraction. 372990
Different results produced by five radioimmunoassays for determination of digitalis in serum. 376190
Irradiation tests of THTR fuel elements in the DRAGON reactor (irradiation experiment DR-K3). (Juel – 1408) 355417
Measurement of $\pi^-p \rightarrow \pi^0 n$ at large momentum transfer. 372503
Measurement of gamma-rays, neutrons and charged particles after π^--capture in nuclei. 378077
Observation of a meson X → 2γ, with mass 2.85 GeV/c², produced in the charge-exchange reaction $\pi^-p \rightarrow Xn$ at 40 Gev/c. 377780
Study of the reaction $K^-p \rightarrow$anti K^0n at momenta of 25 and 40 GeV/c. 356482
Mueller, H.H.
A detailed analysis of the reaction $^{92}Zr(p, \alpha)^{89}Y$. 377891
Mueller, H.W.
Beta decay and nuclear structure: Rb^{86}. 375153
Search for second-class currents by observation of βγ-angular correlations. (KFK – 2511) 366996
Mueller, J.
Search for quarks produced with large transverse momentum in 400-GeV proton-nucleus collisions. 359331
Thyroidal regulation during prolonged lithium medication. (INIS-mf – 4010) 370472
Mueller, J.J.
Feasibility demonstration of consolidating porous beryllium/carbon structures. Final report. (UCRL – 13785) 373315
Test of scaling in muon-pair production by hadrons. 366878
Mueller, J.W.
On the smoothing of empirical spectra. (BIPM – 74-1) 355088
Principles of correlation counting. (BIPM – 75-5) 355089
Mueller, K.
Determination of low dose concentration profiles in solids by means of (n, p) and (n, α) reactions. 364899
Evidence for a narrow width boson of mass 2.95 GeV. 372519
Inclusive anti K^{*0} (890) production in π^-p interactions at 16 GeV/c. 356507
Leak rate tests on the containment of the HDR plant. 368096
Levels of ^{104}Pd from the sup(104m,g)Ag decay. 375192
Observation of the reactions $\pi^-p \rightarrow$anti pd at 10 and 16 GeV/c. 372520
Peripheral anti pn production and decay angular distributions in the reaction $\pi^-p \rightarrow$ (anti pn)p at 12 GeV/c incident momentum. (BONN-HE – 77-14) 366886
Production of phi and f' in 10 GeV/c K^-p interactions. 353959
The slow proton trigger for the CERN OMEGA spectrometer. 368293
The structure of the $L_{2,3}VV$-Auger line of silicon and silicon compounds. 356073
Mueller, K.G.
High-current plasma accelerator for the investigation of plasma wall interaction. 350899
Ion energy distribution at the wall of a non-thermal plasma. 374833
Mueller, K.H.
Momentum dependence of the ion-ion-potential. (IKDA – 77/5) 375118
Mueller, M.
Nuclear magnetic shielding and quadrupole coupling of ^{133}Cs in cesium salt powders. 355990
Subcooled and two phase critical flow states and comparison with data. 373996
Mueller, O.
Chemical studies of the Mundrabilla iron meteorite by neutron activation. 372904
Criteria and guides for use of gamma irradiation devices for preventing ochre formation in wells. 373928
Neutron activation analysis on ancient Greek silver coins and related materials. 372923
Mueller, P.
Evaporation equipment with electron beam heating for the evaporation of metals and other conducting materials. (German (F.R.) patent document 2551667/A/) 369868
Experiment recalculation using the thermohydraulic analysis code THELKA. 370583
Mueller, P.G.
On things nuclear: the Canadian debate. 360463
Mueller, R.
Coal gasification. 355429
Elastic scattering and neutron transfer reactions with ^{9}Be. 378011
Elastic scattering of ^{9}Be on heavy target nuclei. 372702
Mueller, R.A.
Considerations on a PAHR test facility. (CONF-761001 – P1) 362870
Dynamic load of PWR pressure suppression systems. (KFK – 2435) 358229
Mueller, R.E.
Role of the state and local authorities in national and local planning. 376802
Mueller, R.M.
Nuclear magnetic resonance in flowing superfluid ^{3}He – A. 372340
Mueller, S.
Joint test rig for testing and calibrating of different methods of two-phase mass flow measurement. (KFK – 2435) 358442
Method and equipment to identify a two-phase flow. 370712
Operation method of the X-ray equipment for the investigation of the ballooning of LWR-fuel rod simulators. (KFK-EXT – 7/76-2) 355624
Permanently magnetic flowmeter probe for liquid metals. 371175
Mueller, U.
Investigations of fuel rod behaviour in the low-pressure phase of a LOCA. (AED-Conf – 76-699-004) 365588
Mueller, V.
Nuclear acoustic resonance in liquid gallium. 371694
Mueller, V.F.
Ultralocal static field theory with imaginary bare mass. 355752
Mueller, W.
The electrical resistivity of ^{241}Am metal. 354557
Investigation of radiation damages to central nervous system. 373572
Preparation and structure studies of 'Van Arkel' protactinium. 378567
Radiation exposure and radiation risk due to inhalation or ingestion of actinides. (GRS – 1) 370639
Shut-off equipment for low-pressure pipelines connected to the high-pressure pipelines of a nuclear reactor plant. (German (F.R.) patent document 2062104/C/) 355368
Mueller, W.A.
Experimental induction of bone tumors by short-lived bone-seeking radionuclides. 365424
Mueller, W.H.G.
Superconductivity in polymeric sulfur nitride (SN)sub(x) at high pressure. 365171
Muellner, H.
Model calculations for evaluation of bulk- and grain boundary diffusion coefficients. (SGAE – 2547) 373979
Muellner, P.
An analytical laboratory to facilitate international safeguards. 361206
Muench, E.
Benefits and risks of nuclear power. (Juel-Conf – 17(3.rev.ed.)) 360420
Is the nuclear controversy transferred by transferring nuclear technology. 355000
Nuclear fuel and/or fertile material element suitable for non-destructive determination of burn-up. (German (F.R.) patent document 1809525/B/) 355334
Muench, G.
Io: morphology of its sodium emission region. 361720
Muenchow, L.
Density distribution in rapidly rotating nuclei. 362010, 364707
Evidence for the non-Lorentzian shape of x-ray spectra. 368648
Muenchow, P.
Measuring impurities in lead by X-ray spectrometry. 367045

Muennich, F.
Experimental beta-decay energies of short-lived light fission products. 375207
Muenze, R.
Technetium – chemical properties and uses. 373023
Muenzel, H.
Utilization of cyclotron produced fast neutrons in the activation analysis for oxygen. 372905
Muenzenberg, G.
Range and range straggling of heavy ions in solids. 364774
Muenzner, R.
Radiation resistance of strains of moraxella-acinobacteria isolated from sea fish. 376082
Muerer, W.
Thermopower of amorphous SnCu alloys. 353454
Muether, H.
The influence of a self-consistent model space on the folded diagram expansion of nuclear effective interactions. 372663
Renormalized shell model matrix elements derived from nucleon-nucleon phase shifts. 375127
Muetter, K.H.
Approximate crossing sum rules for partial-wave amplitudes. 372430
Mugenski, E.
Effects of γ-ray irradiation on the properties of Pb^{2+} doped potassium chloride crystals. 365234
Muggenburg, B.A.
Biomedical risks of multiple lung lavages in beagle dogs. (LF – 56) 362746
Deadspace breathing as a screening test for early lung damage. (LF – 56) 362741
Effects of current inhalation exposure methods on cardiopulmonary function of immature dogs. (LF – 56) 365444
Gamma camera imaging studies of regional radiation-induced injury. (LF – 56) 362759
Radiation dose pattern following inhalation of monodisperse and polydisperse aerosols of $^{241}AmO_2$ in beagle dogs. I. (LF – 56) 365445
Radiation dose patterns in beagle dogs following inhalation of monodisperse and polydisperse aerosols of $^{238}PuO_2$. (LF – 56) 365446
Rapid method for determining the relative solubility of plutonium aerosols. (LF – 56) 365281, 365447
Removal of inhaled ^{241}Am oxide of various particle sizes from beagle dogs by lung lavage and chelation treatment. (LF – 56) 362747
Removal of inhaled radioactive particles by lung lavage. 354862
Toxicity of inhaled $^{90}SrCl_2$ in beagle dogs. X. (LF – 56) 365410
Toxicity of inhaled $^{91}YCl_3$ in beagle dogs. X. (LF – 56) 365449
Mugiono
Selection for bacterial leaf-blight (Xanthomonas oryzae) and sheath-blight (Rhizoctonia oryzae) resistant mutants in a collection of early rice mutants. 373717
Mugliaroli, H.
Regional service for intercomparison of calibrations. (IAEA-R – 1791-F) 376646
Muhar, F.
Bolus dynamics in functional disorders of the right heart. (INIS-mf – 4010) 362840
Muhlestein, L.D.
Preliminary results of CSTF aerosol behavior test, AB-1. (HEDL-SA – 1381) 379250
Muinov, T.M.
The investigation of the process of thermal decomposition of gamma-irradiated polyimide by mass-spectroscopy. 375692
Muir, J.F.
Molten LWR core material interactions with water and with concrete. (SAND – 77-1216C) 352215
Response of concrete exposed to a high heat flux on one surface. (SAND – 77-1467) 379635
Studies on molten fuel-concrete interactions. (CONF-761001 – P4) 363539
Muirhead, E.G.
The photoneutron cross section of natural osmium. 372817
Muirhead, H.
Mechanisms in anti pp annihilation. 369390
A search for the I peak at 2.60 GeV/c^2 in 12 GeV/c anti pp interactions in the CERN 2m HBC. 377781
A study of inclusive Ξ^- production from K^-p interactions at 4.2 GeV/c. 353964
Study of the planarity in K^-p reactions at 8.25 GeV/c. 369379
Study of the reaction anti pp → anti pωp at 9.1 GeV/c. 372537
Mukai, Hideyuki
Extraction of uranium(VI) and light lanthanides(III) dissolved in fused (Na-K)SCN eutectic into tetralin with tri-n-octylphosphine oxide. 359576
Mukai, S.
Multiple scattering in the atmosphere with a rough surface. I. 366731
Mukaida, Hidetoshi
Electromagnetic pump for FBR. 350262
Mukamel, D.
Ising models with n > or = 2-component order parameters. 358885
Mukerji, S.
How Canada's and India's nuclear roles have been sadly misrepresented. 358592
Passage of heavy charged particles through matter. 361935
Mukha, I.M.
Cobalt content and welding conditions effect on diffusion interaction of the VK hard alloys tungsten. 349500
Diffusion interaction of TK hard alloys with tungsten. 349501
Mukha, N.I.
Cobalt content and welding conditions effect on diffusion interaction of the VK hard alloys tungsten. 349500
Mukhajlichenko, A.I.
Some problems of rare earths extraction by sulfoxides. 357230
Mukhamedgaliev, A.Kh.
Determination of molybdenum and tungsten concentrations in bedrocks by x-ray radiometric method. 349619
Mukhamedov, A.A.
Multiple scattering of heavy ions on a two-atom molecule. (INIS-mf – 3915) 348712
Mukhamedzhanov, A.M.
On model-independent spectroscopic information from direct reactions of nucleon transfer: spectroscopic factor or vertex constant. 369468
Mukhammedov, S.
Activation analysis of defect zones in steel. 356968
Activation cross-sections of nuclear reactions leading to oxygen-14 radioisotope. 349146
Mukher, A.A.
Determination of lower limits of terrestial rservoir characteristics. 354678
Mukherjee, A.
Anisotropic N.M.R. spectra and the crystalline state of solid H_2. 356056
Mukherjee, A.K.
Growth of second phase particles in a copper – beryllium alloy. Final technical report. (UCRL – 13758) 373168
Mukherjee, A.S.
Fractional and whole body mutation in Drosophila melanogaster : effect of mitomycin-c and X-ray. 349823
Inhibition of initiation of DNA replication in Drosophila by α-aminitin and its possible significance. 373645
Mukherjee, D.
Scaling of electron-dipole inelastic collision cross sections. 358831
Mukherjee, I.
High-spin shell-model states in ^{209}Pb. 372651
Mukherjee, M.K.
An extended characterisation theorem for quantum logics. 350545
Mukherjee, M.L.
Effect of quenching on the thermal glow curves from X-ray irradiated KCl and KCl:Pb single crystals. 370198
Mukherjee, P.
High-spin shell-model states in ^{209}Pb. 372651
Radiation techniques for monitoring the deep drainage in irrigated wheat fields. 370271
Recent trends in nuclear reaction work. 372794
Mukherjee, R.
Shielding for the variable energy cyclotron at Calcutta. 361938
Mukherjee, S.D.
Channeling and axial to planar channeling transition of protons in magnesium oxide. 377253
Mukherjee, S.K.
Decay of the 46.6 s sup(75)Gesup(m). 362039
Mukherjee, S.N.
Effect of stripping channel on (d, d) and (d, p) reactions on ^{52}Cr target. 354029
Mukhin, A.A.
Level intersection and instability of the magnetic structure in rare earth ferrite garnets. 377323
Mukhin, A.I.
Drift chamber with multiwire signal element and long drift distance. 358349
Muon flux measuring system for neutrino experiments at the IHEP accelerator. 357946
Observation of muon pairs in neutrino interactions at Serpukhov 70 GeV accelerator. 361870
Mukhin, I.P.
Molybdenum monocrystal strengthening by tungsten films condensed on the surface. 370078
Mukhin, L.M.
Early stages of evolution of the terrestrial atmosphere and hydrosphere. 376051
Mukhin, S.S.
Thickness gage for measuring coating thickness. 349953
Mukhin, V.A.
J/psi particle production in π⁻-N interactions at 27 and 40 GeV/c. 369364
Mukhin, V.D.
Study on stability of breakdown voltage in gas-discharger for pulse voltage generators. 352426
Mukhin, V.N.
Kinetics of accumulation of ClO_3 radicals in irradiated chlorates of sodium and potassium. 375715
Mukhin, V.P.
Controlled nanosecond delay circuit with small null and dead times. 376696
Mukhin, Yu.N.
Performance of ferroprobe transducers under irradiation. 373969
Mukhopadhyay, D.
Application of the v-w formalism to the continuum shell model. 372654
Study of the $^{84}Sr(\alpha, p)$ reaction. 372793
Mukhopadhyay, G.N.
Studies on isoxazolones. Part IV : Formation constants of Cu(II) and UO_2(II) complexes of 3-phenyl-5-isoxazolone. 367083
Mukhtarov, A.I.
Polarization effects in the radiative ve(anti ve) scattering. 369317

Spin correlations in case of pion-pair photoproduction on a nucleron near nucleon resonances and pho – meson dominance. 349072
Mukomel, Eh.A.
Selection of conditions for the inspection of cavities in products by ionizing radiation beam scanning. 349955
Mukopadhyay, N.C.
Study of pion and muon induced fission. 377893
Mukoyama, T.
On the energy loss of fast electrons in thin absorbers. 377848
Mukoyama, Takeshi
Monte Carlo calculations of transmission of electrons through thin foils. 349099
Muksinova, K.N.
Changes in the number and proliferative activity of haematopoietic stem cells in the course of a long-term external γ-irradiation. 352040
Frequency of chromosomal aberrations in rat myelocaryocytes during long-term repeated irradiation. 376114
Mulac, W.A.
Transients in the flash photolysis of aqueous solutions of tris(2,2'-bipyridine)ruthenium(II) ion. 357166
Mulachie, A.
Description and performance of MEA, the magnetic detector at ADONE. 379480
Mulak, J.
Containment for nuclear power and heat plants. (INIS-mf – 4055) 367753
WWER type reactors used as multipurpose nuclear power sources. (INIS-mf – 4055) 368137
Mulazzani, Q.C.
Radiation induced one-electron reduction of cobalt(II) and rhodium(I) complexes containing diphosphines in methanol. 359796
Mulcahy, T.M.
Computer modeling of flow induced in-reactor vibrations. 358323
CRBRP flow induced vibration program. (CONF-770933 – 1) 363520
Mulder, D.
Physical separation of the cycling and noncycling compartments of murine hemopoietic stem cells. 370376
Mulera, T.A.
High-P/sub transverse/^{2} p-p elastic scattering in pure initial spin states. 359343
Spin-spin interactions in high-transverse momentum elastic p-p scattering. 359344
Mulhall, B.E.
A superconducting maglev test facility for high speed transport. 360643
Mulkens, H.
Study of neutrino proton elastic scattering in the 'Gargamelle' freon experiment. 377821
Mullan, D.J.
Heterogeneity of the solar atmosphere. 369168
Solar and stellar flares. 356295
Mullani, N.
γ-ray multiplicities from nuclear reactions: theory, instrumentation and analysis. 355598
Mullarkey, T.B.
Survey and evaluation of handling and disposing of solid low-level nuclear fuel cycle wastes. (PB – 269491) 371196
Mullazhanov, Eh.Zh.
Calculations of electron-nuclear cascade characteristics at E_0 approximately 10^{13} eV. 361665
Mullen, O.W.
Operation Anvil. Onsite radiological safety report, July, 1975 – September, 1976. (NVO – 410-41) 373466
Muller-Schulte, D.
All the best-dressed people. 370199
Muller, F.
Further evidence for production of electrons with small transverse momenta in pp collisions. 377784
Muller, F.W.
Study of the Nuclear Regulatory Commission quality assurance program. (NUREG – 0321) 361184
Muller, J.
On the formation and stability of the A15 phase in the niobium-gallium system. 354527
Muller, J.C.
Defects introduced in silicon by irradiation with muons of GeV energy. 370200
Terrestrial silicon P-N junction solar cells obtained by ionic-implantation. (CRN-CNPA – 77-7) 355559
Muller, R.A.
Detection of anisotropy in the cosmic blackbody radiation. 366759
Quarks with unit charge: a search for anomalous hydrogen. 372349
Muller, R.N.
Behavior and transport of industrially derived plutonium in the Great Miami River, Ohio. 365312
Distribution of local and stratospheric plutonium in Ohio soils. 365283
Muller, W.
The enthalpy of solution of body-centred tetragonal protactinium metal. 373016
Mullikin, T.W.
N-group neutron transport theory: a criticality problem in slab geometry. 356541
Mulokozi, A.M.
The high temperature modifications of the compounds $PrAg_2$ and $NdAg_2$. 378695
Mulser, P.
Optics of laser plasmas in spherical geometry. (IPP – IV/92) 350909
Mulvey, J.H.
Total cross sections for charged-current neutrino and antineutrino interactions in BEBC in the energy range 20-200 GeV. 353945
Mumford, W.
Heat transfer from thermal effluent. 357753
Muminov, R.M.
Thermokinetic investigation of the x-ray activation luminescence of NaCl-Ag and KCl-Tl crystal phosphorus. (INIS-mf – 3993) 377320
Muminov, T.M.
Device to stabilize the transfer coefficient of a scintillation detector. (Soviet patent document 486291/A/) 355560
Double magnetic-lens beta spectrometer for lifetime measurements of nucleus excited states. (JINR-R – 13-9516) 355491
Muminov, V.A.
Activation analysis of defect zones in steel. 356968
Activation cross-sections of nuclear reactions leading to oxygen-14 radioisotope. 349146
Experience in operating low-energy accelerators for activation analysis of metallurgic products. 357892
Munakata, N.
Mutation Induction with UV- and X-radiations in spores and vegetative cells of Bacillus subtilis. 373491
Munch, J.
Hydrogen pickup by zirconium alloys during abrasive cutting. 362312
Mund-Hoym, S.
Thyroid hormones and TRH-test during pregnancy. (INIS-mf – 4010) 370458
Mund, S.L.
Kinetic scheme of initial stage of radiation-induced polymerization of vinyl acetate and acrylonitrile adsorbed on aerosil. 349344
On the formation of polymer non-grafted onto the surface during radiation-induced polymerization of monomers adsorbed on mineral substrates. 375677
Some regularities of separate and simultaneous radiation polymerization of vinyl acetate and acrylonitrile in adsorption layer on aerosil surface. 367170
Mundhenke, R.
Measurement of the $(K^+ \rightarrow \pi^0\mu^+\gamma)/(K^+ \rightarrow \pi^0 e^+\gamma)$ branching ratio. 356509
Mundinger, F.
Liquor dynamics investigations in cases of communicating hydrocephalus by means of autoradiography and computerized tomography. (AED-Conf – 77-395-005) 376195
Mundy, J.N.
Nondestructive technique for the measurement of fast diffusion. 367207
Munezane, Shigeki
The heat transfer characteristics of steam generators for FBR. 350266
Munford, J.W.
Hydrogen embrittlement of thermomechanically treated 18Ni Maraging steel. (SAND – 77-1087C) 373110
Mungan, I.
Experimental investigations of buckling and stability determination of cooling tower shells. 365810
Load studies on cylindrical reinforced-concrete shells. 355379
Munger, M.L.
Neutron pickup from ^{194}Pt, ^{196}Pt and ^{198}Pt. 356888
Munikhes, V.M.
Post-radiation solidification of oligocarbonateacrylates. 357133
Munin, E.N.
Preparation and physicochemical characteristics of nickel(2)- and copper(2) complexes with N-salicylideneaminopyridinium iodide. 378418
Munir, Z.A.
Investigation of the contact angles between various molten metals and substrates of niobium and zirconium. Final report. (UCRL – 13677-2) 373239
Systematic trends in the chemically activated sintering of tungsten. 378569
Muniz, R.B.
Evaluation of magnetic dipolar terms in molecules. (PUC-TN – 10/77) 350531
Munkner, T.
Distribution and excretion of sup(99m)Tc-dimercaptosuccinate. (INIS-mf – 4010) 370406
Munno, F.J.
Study of the reactivity effect of bubble collapse in molten liquid metal cooled reactors. (NUREG – 0286) 373847
TECAR, a new program for LOCA analysis. 354982
Munro, R.H.
A study of the background corona near solar minimum. 372257
Muntyan, V.I.
Industrial installation with an electron accelerator for sterilization in medicine. (INIS-mf – 4194) 376387
Muntzing, L.M.
International instruments for the transfer of nuclear technology. 355364
Munzenrider, J.E.
Use of body scanner in radiotherapy treatment planning. 357599
Munzer, H.
Non-equilibrium method for the radioimmunoassay of clozapine in the presence of metabolites. 376192
Mur, S.B.
Laser separation of isotopes. 364970

Mur, V.D.
Bound states near the lower-continuum boundary. 348605
Murabayashi, S.
Spin trapping of radicals formed in γ-irradiated 2-MTHF glass. 357170
Murach, E.
Maintenance activities leading to commercial operation of a nuclear generating station. 358152
Muradov, T.I.
Shielding of sample side surface during high temperature study of metal thermal conductivity. 373253
Muradyan, A.Zh.
Quantum effects in some problems of resonance scattering and absorption of light. 348713
Muradyan, G.V.
Collimation of neutron beam in experiments on measuring of partial cross sections with isotope microamounts. (IAE - 2470) 350320
Production of mecanical vibrations of speciment by mass O.1-1 kg at a speed of 100-200 m/s. (IAE - 2626) 350321
Muradyan, R.M.
Cosmic numbers and rotation of the metagalaxy. (JINR-E - 2-9804) 377634
New accelerators and the problems of hadron physics. (JINR-R - 9-9341) 350077
Murai, Toshihiko
Radiation-induced skin cancer of the hand. 354817
Murakami, Akio
Induction of dominant lethal mutations by alkylating agnets in germ-cells of the silkworm, Bombyx mori. 373536
Murakami, Hiroyuki
Observation of aurora x-ray. 378935
Observation project of cosmic gamma-ray burst. 377667
Murakami, Koichi
Some considerations on the performances of direct current electromagnetic pump affected by values of magnetic flux density. 355147
Murakami, M.
Electron heating by neutral beam injection in ORMAK. (CONF-770906 - 5) 361599, 371961
Electron heating by neutral-beam injection in the Oak Ridge tokamak. 358985
Proposal for a major modification to the ISX tokamak to study equilibrium and stability of externally heated high β plasmas in noncircular geometry. (ORNL/TM - 5985) 364254
Relation of neutral beam injection to impurity behavior and extension of plasma parameters on ORMAK. (CONF-770906 - 4) 364222, 371934
Ternary phase diagram calculations. II. Examples of clustering and ordering systems. 357288
Murakami, Shozo
Radiation doses measured by TLD (thermo luminescent dosimeter) in x-ray examination. 355063
Murakami, T.
Electron precipitation associated with a magnetic disturbance in the low L region. 359094
Murakami, Toshio
A new method of x-ray spectroscopy. 377635
Murakami, Y.
Surface erosions by energetic helium and hydrogen bombardment of molybdenum and pyrolytic graphite. 368993
Murakami, Yoichiro
The test result for the control rod drive mechanism in sodium for prototype LMFBR 'Monju'. 379766
Murakami, Yoshio
Surface roughness effects on blister formation in polycrystalline molybdenum. (JAERI-M - 7182) 366461
Murakami, Yukio
Application of integral counting method to liquid scintillation counter. 361035
The determination of the low level radon content in mineral spring with a liquid scintillation counter. 354688
Production of ^{61}Cu by αand ^{3}He bombardment on cobalt target. 359734
Murakami, Yukito
Preparation and characterization of oxo(2,3,17,18-tetramethyl-7,8,12,13-tetraethylcorrolato)molybdenum(V). 367108
Muraki, Y.
Hadron-hadron interactions with large transverse momenta. 369318
Muralev, V.A.
Range distribution and space distribution of radiation-induced defects in materials irradiated with monoenergetic ions. (INIS-mf - 3996) 366444
Muramatsu, Susumu
Cell inactivation effects of fast neutrons produced by NIRS cyclotron. 349706
Polonium radioactivity in tobacco and its cancer risk in smokers. 349789
Problems in dose-effect relationship and threshold in a range of low dose. (KURRI-TR - 147) 379074
Muranaka, Akira
Basic and clinical studies on bone deposition of sup(99m)Tc-labeled methylene diphosphonate. 354935
Instrumental efficacy for imaging ^{123}I. 354951
Murani, A.
Crystal electric fields in rare-earth Al_2 compounds. 378635
Crystal field in some light rare-earth compounds with the cubic CsCl structure. 374752
Murani, A.P.
Crystal fields in PrX_3(X = In,Tl,Pb,Sn) intermetallic compounds with Cu_3Au structure. 378632
Neutron inelastic scattering study of the compound $CeAl_3$. 378696
Murano, R.
Field procedure for quantitative assessment of gamma cameras. 379911
Muranov, Yu.V.
Calculation of hydrodynamic characteristics of two-phase annular dispersed flow. (FEI - 549) 349972
Calculation of the velocity profile in a two-phase flow in a dispersed-annular regime. 373993
Murao, Yoshio
Data report on series 3 reflood experiment. (JAERI-M - 6983) 350222
Report on series 3 reflood experiment. (JAERI-M - 6981) 350229
A study on quench phenomena during reflood phase, 1. (JAERI-M - 6984) 350230
Muraoka, S.
Strain difference in T-cell regulation of antibody response to polyvinylpyrrolidone. 362675
Muraoka, Y.
The quantitative relationship between VLF phase deviations and 1-8 Å solar X-ray fluxes during solar flares. 357543
Muraoka, Yoshikazu
Observation of disturbance in the lower ionosphere due to standard very low frequency transmission. 360204
Muras, K.
The application of two-detector neutron probe in the measurement of soil moisture. 376005
Murasato, Yukio
Simultaneous temperature measurement of ionospheric plasma and neutral atmosphere with K-10-11 rocket. 349683
Murase, K.
Argon implantation gettering for a "through-oxide" arsenic-implanted layer. 360112
Murase, Koichi
Creep properties of Hastelloy X and their application to structural design. 349481
Murase, Michio
Measurement of impurity concentration in sodium by automatic plugging indicator. 361091
Murase, T.
Uranium enrichment by centrifugation in Japan. 367855
Murashko, R.E.
Corundum crucibles for aluminium evaporation in vacuum. 351832
Murashko, V.A.
Effect of methyl mercaptophos in different combinations with elevated atmospheric temperature and ultraviolet radiation. 349736
Murashov, D.A.
Interaction in the potassium tetrametaphosphimate-praseodymium chloride-water system. 375547
Murasik, A.
Crystal field in metallic actinide compounds. 367245
Neutron crystal-field spectroscopy in $PrSn_3$. 378622
Murata, H.
Energy problems and development of a multipurpose VHTR in Japan. 352578
The quantitative relationship between VLF phase deviations and 1-8 Å solar X-ray fluxes during solar flares. 357543
Murata, Hiroo
Observation of disturbance in the lower ionosphere due to standard very low frequency transmission. 360204
Murata, Toshifumi
Description of aerosol release associated with sodium burning. 372968
Murata, Y.
Radiation damage processes. 373070
Murata, Yoshio
Photosynthetic $^{14}CO_2$ fixation in the leaves of rice and some other species. 373765
Muratov, A.
Effect of radioactive irradiation and subsequent storage on supermolecular structure and some properties of cotton cellulose. 359797
Muratov, V.P.
Poloidal field shaping in the "T-10" facility. (INIS-mf - 3954) 361503
Muratova, L.A.
Roentgenographic and x-ray-spectral study of lanthanum digermanide. 357284
Murav'ev, I.I.
Excitation of the hydrogen Balmer lines in He-H_2 mixture. (INIS-mf - 3915) 348691
Murav'ev, V.V.
Natural gamma-radiation spectrometry in a complex nuclear-geophysical exploration of alumite ores. 351941
Murav'eva, A.K.
On the effect of solid on hydrogen yield during radiolysis of water vapors by Co^{60} γ-quanta. 362251
Murav'eva, V.V.
Hyperfine interaction for Tb^{160} in gadolinium. 377188
Murawski, L.
Performance of channel multiplier made of oxide glass. 379884
Murayama, H.
A large area multi-crystal positron camera. (INIS-mf - 4010) 358384
Murdin, P.
Absorption dips at low x-ray energies in Cygnus X-1. (CONF-7510169 -) 364388
The lambda Orionis association. 359137
A new optical supernova remnant in Crux. 359117

Murdin, P.G.
The optical and radio counterpart of Circinus X-1 (3U 1516-56). 356343
Spectroscopic observations of the X-ray nova A0620-00. 349036
Murdoch, B.T.
A liquid helium-4 target for intermediate energy nuclear physics. 374062
Murdock, B.A.
Axial gas flow in irradiated PWR fuel rods. (TREE-NUREG - 1158) 365883
Experiment data report: Gap Conductance Test Series, Test GC 1-3 postirradiation examination. (TREE-NUREG - 1088) 370885
Murdock, T.B.
Design of the US-CRBRP sodium/water reaction pressure relief system. (CONF-760735 - 2) 379775
Mureramanzi, S.
Experimental study of the double charge exchange reaction πsup(+)+$_2$^{4}He→πsup(-)+4p between 1.5 and 2.0GeV/c. 362063
Muret, G.
Cavitation problems in fast reactor fuel subassemblies. (IWGFR - 9) 350250
Murfin, W.B.
Molten LWR core material interactions with water and with concrete. (SAND - 77-1216C) 352215
Preliminary model for core/concrete interactions. (SAND - 77-0370) 357800
Underground siting of nuclear power plants: potential benefits and penalties. (SAND - 76-0412) 352185
Murin, B.P.
Electron accelerator for application in industry. (INIS-mf - 4194) 376381
Linear accelerators for meson factories. (JINR-R - 9-9341) 350078
On a possibility of using quadrupoles with permanent magnet in proton linear high-energy accelerators. 360729
Murin, I.V.
Reorientation of M^{2+}-vacancy complexes in potassium-and rubidium chlorides. 361464
Murinov, Yu.I.
Chemistry of extraction by sulfoxides. 349271
Murley, T.E.
Summary of LWR safety research in the United States of America. 370886
Murmann, H.
Influence of a resonant helical octopole field on the Pulsator tokamak plasma. (INIS-mf - 3963) 371910
Murnane, T.
California's N-power fate turns on Sundesert outcome. 379612
Murofushi, Noboru
Preparation of radioactive gibberellins A_{20}, A_5 and A_8. 359750
Murogov, V.M.
Fast reactor. (Soviet patent document 490187/A/) 355459
Muromtsev, V.I.
Investigation of free-radical processes in low temperature radiolysis of copolymers of ethylene with styrene. 357164
Muromura, T.
Formation of uranium mononitride by the reaction of uranium dioxide with carbon in ammonia and a mixture of hydrogen and nitrogen. I. 372985
Muronets, E.M.
Modifying action of DNA synthesis precursors on Aspergillus nidulans conidium irradiated by ultraviolet and X-rays. 351999
Murota, Tetsuo
Induction of dominant lethal mutations by alkylating agnets in germ-cells of the silkworm, Bombyx mori. 373536
Murphy, A.W.
Nuclear power controversy. 358552
Murphy, C.E. Jr.
Assessment of potential radiation dose from an acute tritium release into a forest ecosystem. (DP - 1455) 367391
Conversion of gaseous molecular tritium to tritiated water in pine needles. (DP - 1455) 367590
Deposition velocities for ^{3}HHO, $^{14}CO_2$, $^{131}I_2$, and $CH_3{}^{131}I$ on surfaces of vegetation. (DP - 1455) 367589
Environmental tritium transport from atmospheric release of molecular tritium. 360408
Murphy, D.J. Jr.
Performance calculations of fast reactor actinide recycle as a waste management alternative. 352878
Murphy, E.V.
The corrosion behaviour of Zr_3Al-based alloys. (AECL - 5812) 359831
Murphy, G.
Indicator for the economic application of nuclear technology. 352897
Planning effective nuclear technology transfer and the project method. 352579
Murphy, G.P.
Indium chloride bone-marrow scanning in advanced prostatic carcinoma. 357635
Murphy, J.A.
The Rasmussen report. A retrospective and prospective view. 370587
A theoretical study of night-time field-aligned O^+ and H^+ fluxes in a mid-latitude magnetic field tube at equinox under sunspot maximum conditions. 354698
Murphy, J.H.
Loss behavior in twisted filamentary superconductors. 360001
Selection of a cryostabilized Nb_3Sn conductor cooling system for the large coil program. (CONF-771029 - 91) 371790
Murphy, J.J. II
The reaction ^{7}Li(e,^{3}H)^{4}He,e' between 6 and 15 MeV. 356821
Murphy, J.R.
The correlation of peak ground acceleration amplitude with seismic intensity and other physical parameters. (PB - 263972) 362989
Murphy, L.P.
Airborne elemental iodine loading capacities of metal zeolites and a method for recycling silver zeolite. (ICP - 1119) 366084
Development of Ag^{0}Z for bulk ^{129}I removal from nuclear fuel reprocessing plants and PbX for ^{129}I storage. (ICP - 1135) 380020
Murphy, M.J.
Mass and beta decay of ^{59}Mn . 351401
Murphy, P.G.
Response of a forest ecotone to ionizing radiation. Progress report, October 15, 1976 - October 14, 1977. (COO - 2283-8) 357571
Murphy, P.H.
Large-field-of-view (LFOV) scintillation cameras. 373675
Murphy, P.M.
Relative capital cost of the LMFBR. 371034
Thermostimulated currents from poly (chlorotrifluorethylene) electrets. (INIS-mf - 4127) 364078
Murphy, T.D.
An overview of the activated corrosion product reduction program for US power reactors. 379636
Murphy, W.F.
Final report on TREAT Test R3, a single-pin loss-of-flow experiment. (ANL - 77-54) 379251
Murray, C.A.
Progress report on a search for parallax stars in the region of the south galactic cap. 369169
Proper motion of the Crab pulsar. 349038
Murray, C.N.
German coastal survey, a comparison of the distribution and behavior of caesium and some transuranic isotopes. 354693
Uptake of plutonium from seawater and sediment by a marine polychaete worm. 379109
Murray, I.P.C.
The application of radionuclides in medicine. 357632
Murray, J.A.
Myocardial imaging with ^{201}Tl at rest and during exercise. Comparison with coronary arteriography and resting and stress electrocardiography. 352124
Murray, J.D.
Interferometer measurements of HI absorption in the direction of 16 extragalactic radio sources. 374952
Murray, J.G.
Review of fusion reactor ohmic heating switching development requirements. (EPRI-ER - 376-SR) 361600
Murray, K.J.
An assessment of radionuclide imaging equipment with a liver phantom. (INIS-mf - 4010) 358382
Murray, L.E.
Advance prediction of neutron activation analysis spectra and detection limits. 378114
Murray, M.W.
Influence of oxygen on backscattering of excited H when H^+_1, H^+_2, and H^+_3 ions at 4 - 30 keV energy are incident on molybdenum. 358810
Murray, R.B.
Energy resources. 371238
Ion bombardment of alkali halides. 375957
Murray, R.C.
Seismic analysis of the Nuclear Fuel Service Reprocessing Plant at West Valley, New York: documentation. (UCID - 17453) 359856
Murray, R.L.
Neutron spectrum in a heavy gas. 363388
Murray, S.
A non-enzymic procedure for the quantitative analysis of (3-methoxy-4-sulphoxyphenyl) ethylene glycol (MHPG sulphate) in human urine using stable isotope dilution and gas chromatography-mass spectrometry. 351448
Murrin, L.C.
On the relationship between [^{3}H]choline uptake activation and [^{3}H]acetylcholine release. 367591
Mursid Djokolelono
The development of emergency core cooling systems in the PWR, BWR, and HWR Candu type of nuclear power plants. (PPGM - R93-76) 365811
Mursid, D.
Experiment on radiation shielding. Part I: Preparation. (PPGM - L99-76) 365816
Murtagh, M.
Dilepton production by neutrinos in neon. 353929
Murtagh, M.J.
Charm and strange particle production in neutrino interactions. 353950
Dilepton production by neutrinos in neon. 351210
Quasi-elastic neutrino scattering and the axial vector form factor. 353951
Murtas, G.P.
Electron-positron bremsstrahlung at ADONE. A new limit for the existence of a heavy electron. 361767
Murtazaev, Kh
Polarization measurement in quasielastic scattering of 635 MeV protons by nuclei of different elements. (JINR-R - 1-9759) 356916
Murtazaeva, L.A.
Action of low radiation doses on the ultrastructure of chick embryo hypophysis. 360269

Murtazin, V.K.
Study of large-size molybdenum monocrystal structure prepared by electron beam droplet melting. 349436
Murthy, G.S.K.
Experience in the manufacture of nuclear equipment in India. 370813
Murthy, K.B.S.
Preparation and dosimetric properties of BeO discs using thermally stimulated exoelectron emission. 355561
Murthy, K.S.N.
An approach for obtaining high availability at Madras Atomic Power Station. 379722
Murthy, L.G.K.
Innovations in PHWR design, integration of nuclear power stations into power systems, and the role of small nuclear power plants in a developing country. 371001
Nuclear industry – challenges in chemical engineering. (INIS-mf – 4166) 375789
Murthy, M.R.K.
Thermoluminescence of irradiated poly(methyl methacrylate). 373086
Thermoluminescence of irradiated polystyrene. 373085
Murthy, M.S.
Analysis of water by mass spectrometer. 368345
Murthy, M.S.S.
An approach to quantitate and control the mutagenic hazards of environmental chemical and radioactive pollutants. (INIS-mf – 4160) 376125
Murthy, N.B.K.
Metabolism of labelled ziram in groundnut plants and its microbiological degradation. 379158
Note on insecticide residue problems of edible seeds and oils in India. 379166
Murthy, T.S.
Separation of caesium-137 from fission products using phosphotungstic acid. (BARC – 895) 375650
Studies on inorganic exchangers – ammonium phosphomolybdate (AMP) and ammonium phosphotungstate (APW). (BARC – 893) 375649
Studies on inorganic ion-exchangers. Part I : application of polyantimonic acid for the polishing of uranium product of reprocessing stream. (BARC – 915) 375523
Studies on P^{32} labelled nitrophosphates : Part I. (BARC – 896) 375651
Murti, Y.V.G.S.
Study of C centres in NaCl by positron angular correlation. 366445
Murty, A.V.S.
Solar cycle modulation of the constituents of geomagnetic field at Alibag. 354715
Murty, D.S.R.
Inelastic scattering of 279-keV gamma rays by bound electrons in heavy atoms. 361381
Murty, K.N.
Internal Bremsstrahlung from Pr-143. 356843
Murty, K.P.N.
Gamma ray streaming through annular cylindrical duct. 361936
Neutron transport studies in fast reactor shields. 363532
Murty, P.
The visible emission spectrum of diatomic barium iodide. 374635
Murty, P.S.
On AlF lines in sunspots. 366732
Murty, V.R.K.
Photoelectric interaction around the K edge. 361382
Muryn, B.
Production of π^0 mesons in K^+p interactions at 8.2 GeV/c. 353936
Murzin, A.V.
Gamma quanta produced in inelastic interactions between neutrons and ^{59}Co nuclei. 378047
Pulse generator with a linearly varying amplitude for the determination of the nonlinearity of the Ge(Li) spectrometer characteristic. 358435
Murzin, L.M.
Investigation of electrical resistance and stored energy at low-temperature irradiation of titanium diboride. 360125
Murzin, V.S.
Comparison of interaction characteristics at 40 and 40000 GeV. 361689
Composition and properties of cosmic radiation on mountain altitudes. 361668
Energy spectra of leading particles in hadron-nucleus interactions. 361664
Musaev, D.V.
Samarium and yttrium complexes with hydrazine. 359581
Musaev, T.Sh.
On pulsed magnetization reversal mechanisms in thin magnetic films in weak fields. 369974
Musakhanov, M.M.
Frenel-type corrections in relativistic scattering of particles with spins 0 and 1/2. 350514
Musatenko, L.A.
Study of x-ray fluorescent Lsub(α)-spectrum of yttrium. 368634
Musatov, N.D.
Thermal, chemical and radiation stability of vitrified radioactive waste. 358524
Musazay, S.
Neutron spectrum in a heavy gas. 363388
Muscatello, A.C.
Lanthanide (III) and actinide (III) chelate kinetics via solvent extraction. (ORO – 1797-77) 372953
Musette, M.
Analysis of backward πnucleon scattering using a multiple-scattering model. 361831
Musgrove, A.R.D.
Neutron resonance parameters of ^{96}Zr below 100 keV. (AAEC/E – 415) 356840
Musgrove, A.R.de L.
Resonance and background interference in ^{54}Fe neutron capture. 377854
Musgrove, A.R.deL.
Resonant neutron capture in ^{139}La. 372795
Musgrove, A.R.L.
High resolution neutron transmission and capture for ^{91}Zr. 356842
Neutron resonance parameters of ^{90}Zr below 300 keV. 356841
Musha, S.
Partition of strontium between gypsum and solution. 372966
Musher, S.L.
About low hybrid heating in tokamaks. (INIS-mf – 3963) 371962
On a lower-hybrid plasma heating in a tokamak. 368977
Mushinskaya, K.M.
Study structure of absorption edge of InSe crystals. 368809
Mushinskij, V.P.
Study structure of absorption edge of InSe crystals. 368809
Mushkacheva, G.S.
Action of protracted fractionated irradiation on the content and biosynthesis of nucleic acid in the rat thymus. 370352
Mushkaev, A.A.
Investigation into ruthenium (4) extraction by oxygen-containing solvents. 354356
Mushotzky, R.F.
Absence of detectable X rays from supercluster candidate 4UO134-11. 356304
Intensity and spectral variations of Cyg X-1 observed from balloons. (CONF-7510169 –) 364375
Observations of hard x-rays from extragalactic objects. 372224
Mushran, S.P.
Potentiometric study of some new chelates of lanthanum and yttrium. 351516
Musialowicz, T.
Radioactive materials and nuclear fuel transport requirements in Poland compared with international regulations. 367949
Transport experience with Type A and Type B packages in Poland. 350013
Musick, C.R.
Automatic motion inhibit system for a nuclear power generating system. (US patent document 4,046,625/A/) 368066
Musienko, L.E.
Resistive state of thin tin films in a magnetic field. (KFTI – 75-33) 356367
Musikas, C.
Crystal structure of barium neptunyl(V) triacetate dihydrate. 362229
Musikhin, V.I.
Viscosity and electric conductivity of V_2O_5-KVO_3 melts. 351534
Musil, J.
Direct currents generated by microwave heating in toroidal plasma. 377455
Direct toroidal current generated by microwaves. (INIS-mf – 3963) 371915
Musket, R.G.
Compact vapor deposition system. 351785
Musmann, G.
Fast magnetic fluctuations in the solar wind: Helios 1. 359140
Mussa, A.Kh.
Induced synchrotron radiation. 348609
Synchrotron radiation in a medium with account of polyarization and spin effects. 374588
Mussalo, H.
Plutonium and americium in the foodchain lichen-reindeer-man. (CONF-770409 – 11) 362761
Musset, P.
Study of neutrino proton elastic scattering in the 'Gargamelle' freon experiment. 377821
Musshoff, K.
Long-term side effects in irradiated patients with Hodgkin's disease. 367536
Mussio, P.
DICOMICS-TWIN: self-adaptive algorithm for minimal cut sets determination from fault trees. 352231
Musso, B.
Plutonium utilization in fast-breeder and light-water reactors in Italy. 368216
Mustafa, M.M.
Repulsive nonlocal potential models for the deuteron. 351259
Mustafaev, Kh.A.
Distribution asymmetry and helicity of electrons of the μ-decay in the framework of one-particle exchange models and the restrictions for the masses of the intermediate particles and muon neutrino. 353814
Mustafakulov, D.
Variations of the energy spectra of the impurity atoms in InSb under 4.2 K gamma irradiation. 370190
Mustaffa, A.
Magnetic properties of ferromagnetic VFe alloys near the critical concentration for ferromagnetism. 367263
Mustaffa, O.
Lifetimes in ^{61}Ni measured by the recoil distance technique. 351425
Mustaffa, O.M.
Gamma ray spectroscopy in ^{64}Zn – levels below 3.1 MeV in excitation. 369509

Nuclear spectroscopy in ^{63}Zn: states below 1.5 MeV. 369496
Mustafin, R.I.
Problems of optimum solution selection on the development of automation control of experiments on laser thermonuclear fusion. (INIS-mf – 3954) 364270
Mustardy, L.A.
X-ray microanalytical study of Mn and Fe compartmentation in maize chloroplasts. 349170
Mustel', Eh.R.
Helium in type I supernova envelopes. 349016
Musul'manbekov, Zh.Zh.
Gas filling of a streamer chamber by the blowing technique. 371121
Musumeci, A.
Uranyl and lanthanide complexes with ureas. 375659
Musyaev, I.Kh.
On the thermodynamics of the metal-carbon system. 367242
Musyck, E.
Search for a perfect generator of random numbers. (BLG – 516) 368346
Muta, T.
Classification of patterns of Bjorken-scaling violation and a new type of scaling. (INS-PT – 29) 349073
Muta, Taizo
Phenomenological analysis of the Bjorken-scaling violation in electroproductions. 359328
Mutchler, G.S.
A binary encoded position-sensitive scintillation hodoscope. 371104
Mechanisms in d+^{6}Li three-body reactions at low bombarding energies. 356836
Muthukrishnan, G.
Charged particles transport in one-dimensional finite systems. 361937
Shielding for the variable energy cyclotron at Calcutta. 361938
Muto, H.
Effect of irradiation temperatures on hydrogen atom reactions in neopentane and its mixtures irradiated at 4.2 and 77°K as studied by electron spin resonance. 357153
Muto, Hiroshi
Extraction-spectrophotometric determination of zirconium with chlorophosphonazo III. 367060
Muto, K.
Beam profile measurements for KEK 12 GeV proton synchrotron. 363265
KEK beam position monitor system. 363344
Simple Q-measurement of KEK proton synchrotron. 363304
Muto, Kenichi
Dynamic polarization of deuterons in individual sites of deuterated LMN crystal. 353472
Muto, Kiyoshi
Comparative study on various attenuation theories usually used for aseismatic design of reactor facilities. 379285
Muto, Shigeo
Environmental monitoring of tritium. (PNCT – 831-77-01) 379348
Muto, T.
Management of plutonium-contaminated wastes at the plutonium fuel facilities in PNC. 358463
Safety aspects of reprocessing and plutonium fuel facilities in PNC. 370522
Status of the development of mixed-oxide fuels in the power reactor and nuclear fuel development corporation (PNC). 368043
Muto, Toshio
Synthesis of ^{14}C-labelled alkylbenzene sulfonate. 354406
Muto, Y.
Thermodynamic properties of the layered superconductor 2H-$NbSe_2$. 351769
Muto, Yasutoshi
Long-term effect of medium-chain triglyceride on hepatic enzymes catalyzing lipogenesis and cholesterogenesis in rats. 349880
Mutoh, S.
Two-component structure of the geometrical pomeron. 354006
Mutoh, T.
Alfven-wave heating experiment in the heliotron-D. 364235
Shear Alfen wave heating experiment in the Heliotron D. (INIS-mf – 3963) 372070
Mutovin, G.R.
Chemical and radiation-induced mutagenesis of the rat liver chromosomes. 354786
Muttalib, K.A.
Meson-baryon scattering lengths in a chiral Lagrangian model. 351164
Muus, L.T.
Chemically induced magnetic polarization; theory, technique and applications. 351634
Muyller, K.
Study on the emission intensity of -mesons in interactions of fast π+ – mesons with nuclei. (JINR-R – 1 – 9083) 356516
Muzalev, P.N.
New on the ^{182}Ta decay. 378020
Muzart, J.
Non-collinear second harmonic generation. An interpretation of experimental results. (UEC-S – 134/04/75) 364079
Photon induced resonant Raman scattering in CdS. (UEC-S – 147/17/75) 364592
Muzorewa, E.I.
Lipids of microbial origin in soil organic matter. 357665
Muzychenko, A.D.
Modeling of an inertial system with gas-kinetic confinement of magnetized plasma. (INIS-mf – 3963) 371715
Myachina, L.I.
Binuclear complexes of EDTA. 351535
Myaeh, Eh.A
Injection for the IHEP booster using I-100 linac. (IFVE-PKU – 76-37) 376370
Myaeh, Eh.A.
High energy and superhigh energy accelerators. (JINR-R – 9-9341) 350079
Optimization of an intensive beam passing through the critical energy in a proton synchrotron. 357955
Myagchenkova, L.G.
On specific features in the capture cross section of an electron by excited helium-like ions. (INIS-mf – 3915) 371476
Myagkov, Yu.P.
The KAP type device with transfer converter to control the mechanical properties of steel tubes using a higher harmonic method. 363375
Myagkova, M.G.
Energy yield of roentgenoluminescence of polycrystal phosphors. 368797
Myakushko, L.K.
The application of TEhN-30 electrocharged pumps in vacuum system of linear electron accelerator. (KFTI – 75-10) 355188
Myalkovskij, V.M.
Study on characteristics of scintillation detectors with elongated configuration. 363545
Myamoto, S.
Metabolism of ^{181}W – labeled sodium tungstate in goats. (FOA-C – 40070) 376131
Myasishcheva, G.G.
Investigation of the muonium stage of μ^+ meson depolarization in germanium. 368824
Myasnikov, I.A.
Semiconductor detectors of active particles in physicochemical study. 349269
Myasnikova, K.P.
Phase equilibria in the V-Ni-Al system and some properties of the alloys. 370008
Myasnikova, T.N.
Behaviour of perlite steels in nonagressive media at room temperature. 354464
Myasoedov, B.F.
Determination of formal potential of Amsup((4))/Amsup((3)) pair in phosphoric-acid solutions. 359747
Extraction of actinium by tryoctylphosphine oxide from hydrochloric acid solutions. 357099
Extraction of actinium by tryoctylphosphine oxide from nitrate solutions. 357098
Investigation of cerium oxidation with ozone in sulfuric-acid solutions. 359592
Kinetics and mechanism of interaction of americium(3) with mixture of silver and ammonium persulfate in phosphoric acid solutions. 369754
Preparation of tetravalent praseodymium in potassium phosphotungstate aqueous solutions. 357107
Synergistic effect in extraction of trivalent americium by 1-phenyl-3-methyl-4-benzoyl-pyrazolone-5 and tbp mixtures. 362230
Myasoedov, N.F.
Labelling of dicyclohexylcarbodiimide by tritium. 354399
Measurement of the ^{3}H spectrum aiming to improve the upper limit for the antineutrino rest mass. 353998
Measurements of β spectra of tritium undertaken for more precise definition of the upper limit for the antineutrino rest mass. 378071
Myasoedova, A.S.
Azo derivatives of pyrocatechol as analytical reagents for tungsten and molybdenum. (INIS-mf – 4191) 375318
Myatt, G.
Experiments on weak interactions at high energies. 364593
Study of neutrino proton elastic scattering in the 'Gargamelle' freon experiment. 377821
Total cross sections for charged-current neutrino and antineutrino interactions in BEBC in the energy range 20-200 GeV. 353945
Mydosh, J.A.
Suppression of the superconductivity in PdH by magnetic impurities. (INIS-mf – 4267) 377684
Myers, A.
Anomalous behaviour of RFSE signals in tungsten. 350709
Myers, B.F.
Behavior of fission product gases in HTGR fuel material. (GA-A – 13723) 379693
Fission gas release from fuel particles and fuel rods. 365937
Myers, D.A.
Master schedule for CY-1978. Hanford Environmental Surveillance Routine Program. (PNL – 2432) 379220
Myers, D.E.
Advanced geostatistics in ore reserve estimation and mine planning (practitioner's guide). (GJBX – 65(77)) 373407
Myers, D.K.
Effects of oxygen during γ-irradiation of Micrococcus radiodurans. 349720
Myers, D.S.
AERIN: a computational version of the ICRP lung model. (UCID – 17000) 362752
Myers, J.E.
Applying improved instrumentation and computer control systems. 365832
Myers, M.L.
Assessment of a small pressurized water reactor for industrial energy. (ORNL/TM – 5881) 374191

Myers, R.
Differences in the effects of anaesthesia on hypoxia in normal tissues. 365386
Factors to be considered in deciding on fraction size for neutron therapy. 379020
R.b.e. for the two components of weight loss in the mouse testis for fast neutrons relative to X-rays. 349742
Myers, S.
Acceleration and stacking of deuterons in the CERN PS and ISR. 363144
Operation of the CERN-ISR for high luminosity. 363222
Overlap knock-out effects on the CERN Intersecting Storage Rings (ISR). 363241
Phase displacement acceleration of high intensity stacks in the CERN ISR. 363189
50 MHz transverse feedback system in the CERN ISR. 363182
Myers, S.M.
Low-temperature solubility of copper in beryllium, in beryllium – aluminum, and in beryllium – silicon using ion beam. 357309
Study of the LiH-Te reaction using ion backscattering. 367319
Myers, W.D.
Nuclear science annual report, 1975. (LBL – 5075) 356891, 356914
Myerscough, V.P.
Electron impact excitation of hydrogenic systems in a distorted-wave model. 376967
Electron impact excitation of one- and two-electron positive ions. 348709
Myerson, D.
Anatomic patterns of ^{67}Ga distribution in localized and diffuse peritoneal inflammation: case report. 373676
Myerson, P.J.
Anatomic patterns of ^{67}Ga distribution in localized and diffuse peritoneal inflammation: case report. 373676
Myerson, R.
Phase transitions in Abelian lattice gauge theories. 356388
Mygind, J.
Measured temperature dependence of the cos phi conductance in Josephson tunnel junctions. 367926
Nonresonant detection of Josephson radiation from thin-film microbridges. 374015
X-band singly degenerate parametric amplification in a Josephson tunnel junction. 370720
Myhrer, F.
Theory of pion-nucleus scattering lengths. 359414
Myiranskij, V.A.
Vacuum polarization and degeneracy of states in massless abelian gauge theory. 355809
Myklebost, K.
Strange particle production by antineutrinos. 356505
Myllylae, R.
Improved time resolution in a positron lifetime spectrometer with the liquid scintillator NE238. 379922
A modern positron lifetime spectrometer. 379921
Mynatt, F.R.
Shielding methods development in the United States. (CONF-770401 – 28) 360818, 366908
Summary of the ORNL shield design supporting analysis for the FFTF. (CONF-770401 – 29) 361007
Mync, L.
Analysis of core disruptive accidents in carbide-fueled LMFBRs. 379286
Transient undercooling analysis of the dispersal mechanism test. (CONF-761001 – P4) 362983
Myra, J.R.
Stimulated scattering in a plasma filling an optical cavity. 364228
Myrzinov, V.I.
Container for x-ray spectral analysis. (Soviet patent document 457914/A/) 378135
Mysak, F.
Examples of the application of film equidensitometric method. 355115
Myser, W.C.
Comparison of survival and unscheduled DNA synthesis between an insect and a mammalian cell line following X-ray treatments. 378966
Myshenkova, T.N.
Carbonylation of aliphatic and cyclic alcohols by carbon oxide in the presence of BF_3 complexes with acetic propionic or monochloracetic acid. 375537
Myshkin, V.E.
Ethylene interaction with carboxylic acids. 362282
Rearrangement of alkyl radicals in the process of radiation telomerization of ethylene with ethyl bromide. 362273
Telomerization of ethylene by capronitrile under γ-irradiation. 375706
Myshlyaev, M.M.
Peculiarities in formation of dislocation loops in silicon following ion implantation of boron and phosphorus and subsequent annealing. 367336
Myuller, Kh.
$\pi^-p \rightarrow X^0n$, $X^0 \rightarrow 2\gamma$ reaction at 15 and 40 GeV/c momenta. 369345
Myzenkova, L.F.
Investigation of niobium monocrystals by nuclear-physics methods. 375825
Myzina, V.A.
Effect of ionizing radiation on crystals of LaF_3 type. 354604
N'ako, B.
^{28}Si levels excited in the ^{27}(pα)^{24}Mg reaction at proton energy from 1540 to 2220 keV. 378085
N'Guyen Sieu Viet
Extracted-beam-detection system around synchrotron saturne. (CEA-R – 4857) 355166
N'Guyen, K.C.
rf system of SATURNE II. 363225
Nabavi, R.
Comment on the Glashow-Weinberg theorem. 359274
Nabavi, R.P.
The semileptonic decays of charmed particles. 359298
Naber, J.A.
Effects of radiation on the low-temperature carrier recombination lifetimes in HgCdTe. 370179
Radiation qualification of nuclear reactor components. 368024
Nabi, R.
Fast neutron doses in HTR reactors. 370976
Nabielek, H.
Silver release from coated particle fuel. 365938
Nabieva, N.B.
Hall effect in $CoCr_2Te_4$. 370065
Nabil' Akhmed Ibragim
pH-metric and spectrographic investigation of neodymium hydrazinediacetates in aqueous solutions. 351536
Nabiullin, V.Kh.
Installation for vacuum gauge calibration in the wide pressure range. (KFTI – 75-10) 358429
Nablo, S.V.
Method and equipment to harden coatings on sensitive carriers using electron irradiation. (German (F.R.) patent document 2542575/A/) 367893
Nabojchenko, K.V.
Model of radiation creep of ceramic materials fuel. 378806
Naboka, M.N.
Composition of molecular beams formed during the evaporation of antimony sulphoiodide. 349256
Naboka, V.A.
Plasma accumulation in electromagnetic traps. (KFTI – 75-19) 377504
Naborshchikova, I.I.
Influence of lithologic inhomogeneity of reference horizons on the intensity of natural and neutron gamma radiation. 349618
Investigation of inhomogeneity of carbonate productive stata from a complex of geologo-geophysical and production characteristics (on the example of Osinskoe field). 349620
Substantiation of a form of the neutron gamma logging data dependence on rock porosity. 354667
Nabrzyski, M.
Study on the loss of mercury during wet mineralization and heating of mineralizates with ^{203}Hg. 356969
Nabutovskaya, Eh.M.
Radiation-vulcanized rubber mixture. (Soviet patent document 461934/A/) 378529
Nacheva, V.
Peculiarities of the late clinical manifestation of local radiation injury. 367528
Nachlas, J.A.
Determination of optimal composition of nondeliverable fabrication plant fuel material. 353004
Optimal set of selected enrichments that minimizes blending consequences. 352923
Nachtmann, O.
How can we verify the weak selection rules of the new particles. 359299
Interactions of neutrinos. (IN2P3 – 77-01) 369319
A new tool for the study of fundamental interactions. 353875
Nackoney, R.W.
Gravitational influence of a beam of light of variable flux. 358676
Nad', Yu.
Multiplicity of secondary charged particles in π^-p and π^-n interactions at 40 GeV/c. 369343
Nadamoto, Tomonori
The immediate nucleotide precursor, guanosine triphosphate, in the riboflavin biosynthetic pathway. 349857
Naddaka, V.I.
Theoretical study of inversion rotary barriers and mechanism of automerization of molecules of imines and ilides of tetracoordinated elements of group 6 A. 369675
Nadenkova, L.S.
Improvements in or relating to power plant coolant. (UK patent document 1489171/A/) 365815
Nadezhdin, V.S.
Angular dependence of cross sections for the (π^+,2p) reaction on Li nuclei at 85+-4MeV. 369497
Nadirashvili, Z.Sh.
Investigation of properties of a rotating He^3-He^4 solution by the vibrating disc technique. 356373
Nadirov, N.K.
Physicochemical investigation into modified skeletal copper catalysts of glucose hydrogenolysis. 378347
Nadjakov, E.
The feeding times and lifetimes of high-spin levels in ytterbium doubly even isotopes. (JINR-E – 7-9626) 369467
Microscopic approach to coupled modes in nuclei. 366949
Nadkarni, G.B.
Uptake of ^{32}P into tissue constituents of rats bearing Yoshida ascites tumour. 367640
Nadkarni, M.N.
Separation and purification of uranium by ion exchange on stannic phosphate. (BARC – 913) 375648
Studies on inorganic ion-exchangers. Part I : application of polyantimonic acid for the polishing of uranium product of

reprocessing stream. (BARC – 915) 375523
Study of plutonium IV elution from macromolecular anion exchange resin by 0.5 M nitric acid. (BARC – 912) 375652
Nadkarni, R.A.
Neutron activation determination of noble metals using a selective group separation scheme. 372906
Nadkarny, G.V.
Absorption of RAPS power in the Northern Region Grid. 379613
Nadler, W.
Automatic operation of a superconducting magnetic susceptibility instrument for biological samples. 367923
Nadtsyna, L.V.
Investigation into kinetics of mechanical properties change of steel-St3 after high-temperature aging. 375813
Nadykto, B.T.
Radiation action on physicochemical properties of bismuth-molybdenum catalyst in oxidative ammonolysis. 373093
Nadyozhin, D.K.
The gravitational collapse of iron-oxygen stars with masses of 2 solar masses and 10 solar masses. II. 369170
Nadytko, B.T.
On radiation diffusion of vacancies in aluminium oxide. 373335
Nadzhafkuliev, N.A.
Determination of conditions of gadolinium precipitation by arsenate ions. 359570
Nadzhafov, A.I.
Investigation into phase diagram of system. 378196
Solid solutions of GaS-Yb system. (INIS-mf – 4040) 378348
Nadzhafov, I.M.
Bremsstrahlung of longitudinally-polarized electrons in crystals. 368852
Production of lepton-antilepton pairs in crystals by circular-polarized gamma quanta. 368851
Nadzhip, A.Eh.
Study of the phase equilibrium boundary in Bisub(0.52)Sbsub(1.48)Tesub(3)-Te. 378614
Naeem, M.
Analysis of uranium concentrates by atomic-absorption spectrometry. (JEN – 391) 367046
Naefe, P.
Production of fuel kernels for U-233 recycling. 370998
Naegelin, R.
Thermohydraulic design of heat exchangers for direct-cycle integrated gas turbine plants. 379694
Naehring, F.K.
Ion induced carbon contamination and recoil implantation. 371652
Naele, S.R.
^{239}Pu and ^{241}Am contamination of small vertebrates in NAEG study areas of NTS and TTR. (NVO – 171) 379137
Naff, S.A.
ECC performance during loss-of-coolant experiments in a small pressurized water reactor. 357763
Emergency core coolant delivery in the LOFT non-nuclear experiment series. 376524
Nag, B.R.
Electron transport in semiconductor superlattices. 368853
Nag, K.
Solvent extraction behavior of rare earth ions with 1-phenyl-3-methyl-4-benzoyl-5-pyrazolone. 375546
Solvent extraction behaviour of lanthanides with 1-phenyl-3-methyl-4-benzoyl-5 pyrazolones. 367117
Naga, A.H.
Radionuclide scanning in the diagnosis of splenic injury: a case report. 362785
Nagaev, Eh.L.
Ferromagnetic and antiferromagnetic semiconductors. 353473
Nagaeva, M.L.
Three-photon ionization of helium metastable atoms. 348641
Nagahama, Fumio
Activation cross sections for (n, 2n) reaction on neodymium, samarium, gadolinium and ytterbium at 14.6 MeV. 359503
Nagai, Fukuo
Characteristics of proportional counter carried on the scientific satellite 'Taiyo'. 379923
Nagai, Fumiko
Absorption of water extract of chromium ore dross from skin and gastrointestinal tract. 352167
Nagai, Hideo
On the optical properties of irradiated cobalt glass and other glasses. 349596
Nagai, Hiroyoshi
Fundamental studies on electron beam welding of heat-resistant superalloys for nuclear plants, (2). 359863
Nagai, K.
Magnetic collective excitations in the B phase of superfluid He-3. 351126
Nagai, Kazuo
Characterization of a cold-sensitive chromosome segregation mutant of Escherichia coli. 349849
Effect of salt on a thermosensitive mutant of Bacillus subtilis deficient in uracil and cell division. 349859
Nagai, Koji
Thermal decomposition of gadolinium(III) carbonate. 359626
Thermal decomposition of gadolinium(III) oxalate. 359625
Nagai, Nobuo
SF_6-gas-quenched surge arresters for a 500kV GIS. 350231
Nagai, Shuichiro
Examination of compatibility between fuel and cladding. (PNCT – 831-76-01) 380126
Nagai, Tatsuo
On the change of fall-out measured by monitoring post at the time of nuclear explosion. 373467
Nagaki, Hiroshi
The rapid heating test of zircaloy-2 tubes. (PNCT – 831-77-01) 379563
Nagakubo, Kuniharu
Thermal oligomerization of metal salts of methacrylic acid in solid state. 359663
Nagakura, T.
Developments and studies for marine disposal of radioactive wastes. 358527
Nagakura, Tadashi
Experimental study on intermediate level radioactive waste processing. 350396
Nagami, M.
Behaviour of superthermal electrons in the scrape-off layer of DIVA. 372099
Formation of a light-impurity-free plasma in DIVA. 374846
Reduction of power loss due to heavy impurities in Diva. (INIS-mf – 3963) 372098
Nagami, Masayuki
Intensity calibration of a vacuum monochromator in a wavelength region of 1000-2000A and spectroscopic measurement in DIVA. (JAERI-M – 7217) 366635
Nagamine, K.
Nuclear orientation of Bi isotopes in a ferromagnetic BiMn compound. 356005
Nagamiya, S.
Proton and pion spectra at large angles in relativistic heavy-ion collisions. (LBL – 670) 378037
Nagamura, T.
Measurement of hydrogen exchange at the tryptophan residues of a protein by stopped-flow and ultraviolet spectroscopy. 378351
Nagane, Kiyoshi
CO observations of the Perseus OB2 dark cloud and the W 44 molecular cloud. 349007
Nagano, H.
Lanthanum diluted cerium magnesium nitrate thermometer for milli-kelvin region. 360622
Practical design of a heat exchanger for dilution refrigeration. 376322
Nagano, Isamu
Analysis of the electron density in the lower and upper ionosphere from measurements of VLF propagation modes by means of K-9M-53 rocket. 354716
Nagao, Hiroyuki
Method of recovering radioactive rare gases. 350388
Nagao, Masato
Vacuum vessel for nuclear fusion device. 366601, 366602
Nagar, B.R.
Applications of computer techniques in humus research. 357487
Studies on soil humic compounds, fungal melanins and model polymers by pyrolysis mass-spectrometry. 356945
Nagarajan, M.A.
A microscopic theory of collisions between complex nuclei based on the generator coordinate method. 356630
Nagarajan, P.S.
The neutron spectrum of a ^{228}Ra-Be 'α,n) source. 376257
Random sampling technique for choosing scattering angles from arbitrary angular distributions in dosimetric and shielding computations. 361912
Nagarajan, T.
Study of C centres in NaCl by positron angular correlation. 366445
Nagaratnam, A.
Some criteria for evaluation of performance of whole body counting systems. 371122
Nagarkar, V.D.
RAPS fuel handling control system performance and improvements. 379718
Nagasawa, J.
Trace element distribution in mineral separates of the Allende inclusions and their genetic implications. 354668
Nagasawa, Kikuo
Analyses of Np and NO_2^- in the Purex process. (PNCT – 831-73-01) 349376
Nagase, F.
Electron precipitation associated with a magnetic disturbance in the low L region. 359094
Nagase, Fumiaki
Observation of galactic soft X-ray by K-9M-50. 377614
Spectroscopic observation of cosmic soft x-ray. 353682
Nagase, M.
Renal hemodynamics in uranyl acetate-induced acute renal failure of rabbits. 360352
Nagashima, Kunio
Apparatus of holding molten fuel in a reactor. 368222
Nagashima, Michiyoshi
Line broadening measurement in high density plasma, 1. 353608
Nagashima, Tomitaro
Theory of upper critical field of superconducting alloys. 359208
Nagata, A.
Superconducting properties and microstructure in dilute copper alloys containing small amounts of V_3Ga particles. 373240
Nagata, K.
The effect of transition radiation on the ionisation loss of relativistic electrons passing through a gas proportional counter. 374323

Nagata, Katsuaki
Telescope for observation of cosmic ray isotopes. 379876
Nagata, M.
Development of special envelope for cryogenic applications. 360637
Field theory. 376928
Nagata, Sinobu
Multiple scattering equation for two particle-one hole system and generalized vertex in core polarization of nuclei, 2. 354033, 354034
Nagata, T.
Recent efforts of PNC on creep-fatigue, creep-buckling and thermal ratchetting of the LMFBR primary coolant system components. (IWGFR – 11) 355471
Nagatomo, Tsuneto
Properties of a windowless gas-flow G-M counter for TSEE. 350322
Nagatsuka, Sumiko
The distribution of trace elements in the Ogasawara Islands. 367057
Nagaya, Yutaka
Dispersion and accumulation of radionuclide in sediment of Urazoko Bay, 2. 349647
Nagayama, Y.
Current density profile of noncircular tokamak. (INIS-mf – 3963) 372062
Nagel, D.
The atmospheric diffusion parameters in the environment of the Karlsruhe Nuclear Research Center. (KFK – 2499) 365322
Nagel, D.J.
Laser-matter interaction studies at NRL. 372038
X-ray emission measurements from CO_2-laser-created plasmas. 350921
Nagel, E.
Effects from effluents of an incinerator for waste of low level activity in the environment. 360464
Measure of γ-doses and gaseous dispersion factors in the environment of a nuclear facility in a typical middle-European site. 370595
Nagel, H.
An analytical study of momentum and heat transfer on turbulent forced convection in rectangular channels with allowance for secondary effects. 365696
Nagel, J.
EPR of Gd_3^+ in Lu and Sc single crystals. 378697
Nagel, M.
Nuclear heating in a control element of a gas-cooled fast breeder reactor. 363524
Nagel, M.Z.
Reactor strategy studies. 352696
Nagel, P.
Quadrupole effects in the elastic scattering of ^{10}B, ^{11}B and ^{12}C by ^{27}Al. 354248
Nagel, R.J.
Large rectangular bellows valve. (UCRL – 79751) 372058
Vacuum system for the Tandem Mirror Experiment. (UCRL – 79750) 368914
Nagel, T.J.
Nuclear energy centers: an assessment of their impact on reliability of electric bulk power supply. 370865
Nageler, J.
Nuclear power plant with CO_2 cooling system. (German (F.R.) patent document 1614620/C/) 355431
Nagels, P.
Electronic properties of amorphous semiconductors. 375863
Nagi, A.D.S.
Transition temperature of a two-band superconductor with nonmagnetic impurities. 369256
Nagibina, L.E.
Sr-Y phase diagram. 375864
Nagiev, M.F.
Study of phase transformations and infrared spectra of U-Sb catalysts. 357108
Nagiev, T.M.
Study of phase transformations and infrared spectra of U-Sb catalysts. 357108
Nagiev, V.M.
Dependence of concentration of Ti^{3+} complexes and g-tensor components on content of oxide of the second group elements in phosphate-titanate glassy semiconductors. 378349
Dependence of W(5) complexe concentration and g-tensor components on content of the second group element oxides in phosphate-tungstate glassy semiconductors. 378350
Electron spin resonance and electron absorption spectra of W(5) complex in glassy phosphate-tungstate semiconductors. 364977
Factors affecting the quantity ratio and parameters of spin-hamiltonian of vanadium 5(4) complexes in phosphate-vanadate semiconductor glasses depending on alkali metal oxide contents in them. 360048
Nagin, A.S.
Low-temperature transformation in nichromes. 375893
On electric conductivity of precipitation hardening heat resistant alloy on the nickel-chromium base. 369948
Nagl, A.
Isospin splitting of giant resonances in ^{13}C and ^{17}O. 359368
Nagorcka, B.N.
Further evidence for resonance anomalies in the $^{12}C + ^{16}O$ system. (ANU-P – 673) 356724, 356725
Nagorny, K.
Moessbauer-spectroscopic studies on Au-197 in Au-Fe-mixed crystals. 359686
Nagornyj, C.Ya.
X-ray spectrum investigation of the copper outer energetic band structure in the zirconium-copper alloy system. 354539
Nagornyj, V.Ya.
Some problems of methodology for ore testing in containers. 354645
Nagornykh, S.N.
Migration energy of intrinsic point defects in defferent charge states in germanium and silicon. 361438
Nagpal, A.K.
Heisenberg equations of motion for the spin-3/2 field in the presence of an interaction. 350532
Nagpal, J.S.
Performance of silver metaphosphate glass as dosimeter at elevated temperatures. 376259
Nagpal, K.C.
Estimation of cerium and lanthanum content in core material of high intensity carbon arc electrodes by x-ray fluorescence method. 375319
Nagpaul, K.K.
Analyses of fission track etching and annealing phenomena in muscovite. 367387
Determination of uranium trace in some semiconducting materials by nuclear track detectors. 375238
Estimation of uranium and boron contents in plants and soils by nuclear particle etch technique. 354654
Fission track annealing and age determination of chlorite. 376015
Fission track etching and annealing of tourmaline. 352819
Nagusa, Yukihiro
Clinical studies on gastric cancer and breast cancer among A-bomb survivors. 354826
Nagy, A.Z.
Determination of boron range distribution in ion-implanted silicon by the $^{10}B(n, \alpha)\ ^7Li$ reaction. 364900
Nagy, L.G.
Some problems concenrning the use of automated radiochemical separation systems in destructive neutron activation analysis. 356970
Nagy, O.
Experiments in connection with control of boron acid concentration by ion exchange in Hungary. 365866
Optimization of the condensate cleaner in the secondary circuit of nuclear power plants operating with pressurised water reactor. 368118
Nagy, S.
Fission product yields in monoenergetic neutron fission of ^{238}U. (BNL-NCS – 22500) 356774
Nagy, T.
He backscattering and infrared absorption studies of natural diamond containing high concentrations of implanted silicon. 370123
Naharin, A.
Efficiency of decontamination of $^{169}YbCl_3$ by DTPA administered by various routes and methods in mice. 354863
Nahmias, C.
Lung density: clinical method for quantitation of pulmonary congestion and edema. 357687
Nahnhauer, R.
The effect of resonance production on angular correlations. 353935
A study of direct and indirect pion production in π^+p interactions at 16 GeV/c. 377804
Nahorski, S.R.
A comparative study of [^{3}H]-haloperidol and [^{3}H]-spiroperidol binding to receptors on rat cerebral membranes. 376186
Nahr, H.
Interaction of spin selected atomic hydrogen with surfaces. 368735
Nahum, A.E.
Further comments on the discrepancy between Csub(lambda) and Csub(E). 349921
Water/air mass stopping power ratios for megavoltage photon and electron beams. 376226
Naiden, E.P.
Weak ferromagnetism and magnetic structure of $TlMnCl_3$. 371596
Naidenov, M.
Nondestructive neutron activation analysis of Bulgarian soils. 364901
Naidu, J.R.
1976 environmental monitoring report. (BNL – 22627) 360205
Naigeon, J.
Consultant: an outstanding means for transferring nuclear technology. 352580
Scope and assignments of a consultant in the selection and construction of a nuclear power plant. Application to a project in Turkey. 371328
Naik, A.D.
Progress report of the Radiation Technology and Industrial Applications Section, Isotope Group for the period ending August 1977. (BARC – 958) 373938
Naik, A.S.
Radioactive tracer studies at the port of Cochin for location of dumping grounds. 367395
Naik, I.K.
Electrical properties, nonstoichiometry and defect structures of pure and niobium pentoxide-doped cerium dioxide. 367296
Naik, M.C.
Release of iodine from sintered thoria pellets at low temperatures. 373370
Nair, A.G.C.
Setting up of a facility for the recovery and storage of californium-252 from a capsule. (BARC – 905) 373012

Nair, Jagdeesan
Toxicology of vanadium and its spectrophotometric determination in bio-samples. 367047
Nair, K.
Nuclear siting using decision analysis. 349896
Nair, K.P.R.
On the hyperfine structure in the rotational spectrum of CuI. 355907
Nair, S.C.K.
Neutron-proton interaction and nuclear deformations. 362011
Naito, Atsushi
Studies on the feeding habits of some leafhoppers attacking the forage crops, 3. 354908
Naito, Katsuyuki
A new core-like potential between complex nuclei. 372679
Naito, Kesahiro
Container for a liquid metal cooled reactor. 368223
Reactor containment vessel. 368209
Tank of sodium cooled fast reactor. 350261
Naito, Masanori
Fuel assembly. 350198, 350208
Means for restricting out-flow of reactor cooling medium. 350180
Naito, Masao
Computerized voiding cystography, using sup(99m)Tc-(SN)-DTPA and gamma-scintillation camera. 349858
Naitoh, M.
Analysis of radiant heat transfer in a BWR fuel assembly. 358197
Cooling mechanism during transient reflooding of a reactor fuel bundle after loss of coolant. 355371
Najdenskij, V.L.
Effect of parameters of argon-arc welding with non-consumable electrode on corrosive properties and structure of welds of pipes in steel-12Kh18N10T. 375772
Najean, Y.
A critical evaluation of the methods of evaluating the sequestration of chromium-labelled platelets. 354895
Najundeswaran, S.K.
Engineering and construction, including management. 352581
Najvar, D.J.
Procedure for preparing a resin hardenable by radiation. (German (F.R.) patent document 2619669/A/) 354443
Najzher, M.
Alpha and fission autoradiography of uranium rods. 378797
Nakada, A.
On the radial distribution of the 1fsub(7/2) proton orbit. 362113
Nakada, M.P.
On coronal Fe abundances and temperatures from XUV emission lines. 353704
Nakagawa, M.
Colloid bands in silver chloride induced by reactor irradiation at low temperature. 370130
Nakagawa, Masafumi
A study of supersonic bubble flow, (2). 379438
Nakagawa, Masami
On a test of neutral current of a baryon-lepton symmetry model. 353876
Nakagawa, Satoshi
Nuclear fusion apparatus. 358986
Nakagawa, Tsuneo
Evaluation of neutron nuclear data for ^{243}Am. (JAERI-M – 7174) 366984
Evaluation of neutron nuclear data for ^{244}Cm. (JAERI-M – 7175) 366983
Nakagawa, Tsuyoshi
Technical considerations for functional imaging of regional cerebral blood flow with ^{133}Xe. 349853, 379193
Nakagawa, Y.
Dynamic modeling of coronal and interplanetary responses to solar events. 372310
Nakagawa, Yoshio
Biological fate of butylated hydroxytoluene (BHT) in rats, (2). 352168
Biological fate of butylated hydroxytoluene (BHT) in rats, (3). 352159
Nakagome, Y.
Capture cross section measurements of Pr and Kr. (BNL-NCS – 22500) 356757
Neutron total and capture cross section measurements on fission produce Pd. (BNL-NCS – 22500) 356884
Nakahara, Motokazu
Temperature effect on the concentration of radionuclides by marine organisms. 349790
Nakahigashi, Shigeo
Swelling of type 304 stainless steel bombarded with 200 keV C^+ ions. 349602
Nakai, H.
Mutation breeding of rice for bacterial leaf-blight resistance. 373723
Nakai, K.
Measurement of snow water equivalent by cosmic ray neutron technique. (AED-Conf – 77-225-001) 354692
Structure of the transitional nucleus ^{149}Eu. 372796
Nakai, S.
High power CO_2 laser system for plasma research (Lekko I). (IAEA – 200) 353600
High-power electro-ionization CO_2 laser system for thermonuclear research. 363114
Laser fusion research in Osaka. (IAEA – 200) 353656
REB interaction experiments with plasmas. (IAEA – 200) 353599, 377494
Thermonuclear fusion plasma by lasers coupling and implosion. 359041
Nakai, T.
Mass specrometer-controlled ion beam plating. 368861
Nakai, Y.
Actual status of sodium cavitation studies in Japan. (IWGFR – 9) 352788
LMFBR coolant system components development in Japan. 379793
Reactor system components of Japan's fast breeder reactors. 379794
Nakai, Yasushi
Fast breeder of loop type liquid metal cooling system. 379795
Liquid metal cooled fast breeder reactor. 368224
Liquid metal cooled fast breeder. 368225
Nakai, Yoichi
Metabolism of 6-chloro-5-cyclohexyl-1-indancarboxylic acid (TAI-284), a new non-steroidal anti-inflammatory agent, after repeated administration in rats and mice. 349881
Nakajima, Fumito
Fundamental Research on pretreatment process for Kr-85 recovery system. (PNCT – 831-76-01) 380015
Nakajima, H.
The environment enhanced crack growth effects in structural steels for water cooled nuclear reactors. 354567
Nakajima, Hayato
Operation report on the low temperature fissiochemical loop (LTFL), 7. (JAERI-M – 7246) 379840
Nakajima, Hiroyuki
Study on measurement of trace radioactivity, (2). 359574
Nakajima, Hisao
Production of C, N, O, and Ne ions by pulsed ion source and acceleration of these ions in the cyclotron. 379507
Nakajima, K.
Present status and future program of nuclear fuel reprocessing in Japan. 359861
Reactive medium instability of the space charge wave of ion beam in a plasma. 366560
Safety aspects of reprocessing and plutonium fuel facilities in PNC. 370522
Nakajima, Kazuo
Apparatus for measuring and controlling quantity of drain waste from a primary container in an atomic power plant. 368119
Nakajima, Kenji
The immediate nucleotide precursor, guanosine triphosphate, in the riboflavin biosynthetic pathway. 349857
Nakajima, T.
Experimental confirmation of the isotopic volume effect in superconducting molybdenum by means of energy-dispersive x-ray diffraction at low temperatures. 351786
Japan's spent-fuel reprocessing program and regional planning. 359857
Theoretical consideration on thermoluminescence response. 374348
Nakajima, Takuichiro
Control of radioactive waste disposal system for BWR plants. 368369
Nakajima, Toshiyuki
Influence of absorbed dose on spectrum of thermoluminescence of CaF_2: Dy. 355562
Nakajima, Y.
Effect of heat treatment after deposition on internal stress in molybdenum films on SiO_2/Si substrates. 359968
New method for precise background determination in neutron-transmission measurements with a linac. 371075
Nakajima, Yuzuru
Effect of strong Posterisan ointment on rectal injuries after radiotherapy of uterine cervical cancer. 360295
Nakamaru, Nobuyuki
Parton distributions in arbitrary hadron. 369320
Nakamoto, A.
The effect of transition radiation on the ionisation loss of relativistic electrons passing through a gas proportional counter. 374323
Nakamoto, Atsushi
Telescope for observation of cosmic ray isotopes. 379876
Nakamura, A.
The present status of applications of the Josephson effect. 359201
Nakamura, Azusa
Method of controlling the secondary coolant in FBR. 379584
Nakamura, Fumihiko
Particle composition and multiplicity of meson production by urbaryon model. 353877
Nakamura, H.
Current status of reactor safety research in the Japan Atomic Energy Research Institute. 352268
Measurement and MIA analysis of the neutron differential cross section and polarization in the α-D break-up at 33 MeV c.m. 354230
Measurement of hydrogen exchange at the tryptophan residues of a protein by stopped-flow and ultraviolet spectroscopy. 378351
Secondary electron emission from solid targets under bombardment with 20 keV H^+. 368854
Nakamura, Haruto
Method of partitioning high-level fuel reprocessing waste. (JAERI-M – 7206) 378473
Present status and problems on technology development of high level waste management being in progress at Radioisotope Center, JAERI. (JAERI-M – 7138) 374415
Nakamura, Hideo
Reactor protection system. 379588
Recirculating flow-rate control system in an atomic power plant.

350186
Nakamura, Hiroo
Sputtering yield and surface observation of molybdenum honeycomb walls. (JAERI-M – 7216) 378810
Nakamura, Hiroshi
Safety and interlock system of Kyoto University Critical Assembly. (KURRI-TR – 150) 368254
Nakamura, Hisashi
X-rays fluorescence analysis of ATR fuel cladding tube. (PNCT – 831-76-01) 378132
Nakamura, I.
Change in radiosensitivity of sea-urchin eggs during early cleavage stages. 349749
Nakamura, K.
Collapsing load for elbows under in-plane bending moment. 350103
The cross section for the production of massive electron pairs and the UPSILON(9.5 GeV) in proton-proton collisions at the CERN ISR. 369367
Hydrothermal growth of Y_2O_3-stabilized cubic ZrO_2 crystals. 362499
Stomach cancer in atomic-bomb survivors. 354818
Study of magnetic shaping in a shell-less hybrid tokamak with octopole. (INIS-mf – 3963) 371974
Study of photons produced simultaneously with the J/psi particles at the CERN Intersecting Storage Rings. 377794
Nakamura, Kiyoshi
Dispersion and accumulation of radionuclide in sediment of Urazoko Bay, 2. 349647
Nakamura, Makoto
Moessbauer absorption spectra of ^{119}Sn in single crystals of $(CH_3)_2SnF_2$ and $(CH_3)_2SnCl_2$. 348830
Nakamura, Masatoshi
XUV spectrum observation of earth corona. 377636
Nakamura, N.
History of the Pasamonte achondrite: relative susceptibility of the Sm-Nd, Rb-Sr, and U-Pb systems to metamorphic events. 377659
Nakamura, Osamu
Developmental changes of ribosomes in content and amino acid incorporating activities in the female pupae of Bombyx mori. 349873
Nakamura, Ritsuko
Immunological studies on multilocular echinococcosis. 349850
Nakamura, S.
Anomalous luminescence from oxidized polyethylene in a high-temperature region. 351901
Macroautoradiographic study of the distribution and excretion of ^{14}C-pentobarbitone in rats pretreated with phenobarbitone. 360386
Nakamura, S.Y.
Neutrino stability – inverse square test. 353985
Nakamura, Shigeki
Gamma-ray transitions in ^{106}Pd following the decay of 24-min sup(106g)Ag. 354255
Nakamura, Shuhei
Thermoluminescence of gamma-irradiated polyethylene in high temperature region. 349594
Nakamura, T.
Absorption of massive scalar field by a charged black hole. 355810
Integral experiment of photonuclear cross sections of C, Mn, Fe, In and Au in the giant resonance region. 369487
Spatial distribution of energy transfer from thick target bremsstrahlung measured with miniature dosimeter. 365575
Ternary phase diagram calculations. II. Examples of clustering and ordering systems. 357288
Nakamura, Takashi
Report of radiation safety control, 5. (INS-TS – 16) 367831
Nakamura, Tatsuaki
Nuclear fuel assembly. 360841
Nakamura, Toyohisa
Polarization behavior of vanadium tetraoxides electrodes in neutral solutions. 354357
Nakamura, Tsuyoshi
CO observations of the Perseus OB2 dark cloud and the W 44 molecular cloud. 349007
Nakamura, Y.
Grain ejection from the surface of polycystalline molybdenum irradiated by intense H^+ and H_2^+ ion beams. 357426
Interaction of a high intensity short pulse-width relativistic electron beam with plasma. 368981
Preparation of high-specific-activity radioactive iodothyronines and their analogues. 373024
Nakane, R.
Research on and economic evaluation of uranium enrichment by gaseous diffusion in Japan. 367841
Nakanishi, H.
rf acceleration in KEK booster. 363278
Nakanishi, M.
Measurement of hydrogen exchange at the tryptophan residues of a protein by stopped-flow and ultraviolet spectroscopy. 378351
Nakanishi, Mayumi
Long-term effect of medium-chain triglyceride on hepatic enzymes catalyzing lipogenesis and cholesterogenesis in rats. 349880
Nakanishi, T.
Measurement of polarized target asymmetry in $\gamma p \rightarrow \pi^+ n$ below 1.02 GeV. 369371
Nakanishi, Tsuneo
A study on the effect of helium environment and the grain size on the creep behaviour of Hastelloy X alloy. 349502
Nakano, G.H.
Analysis of high resolution satellite data for cosmic gamma ray bursts. Final report. (N – 76-34111) 361703
Nakano, H.
Reactor system components of Japan's fast breeder reactors. 379794
Nakano, Hisao
Device for starting a steam generator by heating sodium in a reactor. 368226
Nakano, I.
Measurements of polarization in K⁻p elastic scattering at low energies. 361883
Nakano, Kiwao
Role and metabolism of free leucine in skeletal muscle in protein sparing action of dietary carbohydrate and fat. 349861
Nakano, Masafumi
Adequacy of the analysis of mock-up control rod experiment with FCA. (JAERI-M – 7139) 379535
Present art of reactivity determination. 360770
Proposal of a method for estimating multiple-rod worth by single-rod experiments. 360775
Nakao, Noboru
Sodium circulating system for a reactor. 350264
Nakao, Toshiko
Absorption of water extract of chromium ore dross from skin and gastrointestinal tract. 352167
Nakao, Yoshio
The frequency pattern of the dumpy mutations induced by x-rays in different stages of spermatogenesis of Drosophila. 367454
Nakaoka, Akira
Radiochemical management of reactor coolant. 350206
Nakasa, Hiroyasu
Application of acoustic emission techniques to integrity assessment of nuclear reactor components. 355229
Estimation of spacial geo-stress components in rock samples by using the Kaiser effect of acoustic emission. 349895
Nakase, Y.
Formation of layer-like voids in irradiated polytrioxane. 365242
Nakase, Yoshiaki
Fine structure of poly(tetraoxane) examined by calorimetry and thermal analysis. (JAERI-M – 7055) 367171
Melting behavior and irradiation effect in poly(trioxane). (JAERI-M – 7086) 367172
Nakashima, Hideki
Nuclear characteristics of D-D fusion reactor blankets, (1). 353601
Nakashio, A.
Auger-electron spectra ejected in the Ar $L_{2,3}MM$ and the Xe $N_{4,5}OO$ processes by electron impact. 377085
Auger-electron spectra ejected in the Ar Lsub(2,3)MM and the Xe Nsub(4,5)OO processes by electron impact. 358793
Nakata, H.
An ESR study of annealing characteristics for heavily irradiated silicon. 371653
Nakata, Tetsuo
Accuracy analysis in HTR nuclear design. 374231
Nakatsugawa, Shigekazu
Hyperthermia and anoxic sensitizer in tumor radiotherapy. 378980
Nakatsuji, Hirotaka
Utilization in rats of ^{14}C-L-lysine-labeled casein browned by amino-carbonyl reaction. 349860
Nakatsuka, Iwao
Synthesis of a ^{14}C-labelled fungicide, N-(3,5-dichlorophenyl)-1,2-dimethylcyclopropane-1,2-dicarboximide-(carbonyl-^{14}C) (Sumilex). 359765
Nakaya, S.
On-board refrigeration system. 360630
Nakayama, Akiko
Exfoliative cytology in study of radiosensitivity of uterine cervical cancer, (2). 379081
Nakayama, Chikashi
A functional test of the pancreas with ^{131}I-5-iodomethyl-5-methyl-2,4-oxazolidinedione (^{131}I-DMO). 354896
Nakayama, H.
Structure of the transitional nucleus ^{149}Eu. 372796
Nakayama, K.
Measuring of differential cross section of the $^7Li(p,n)^7Be$ (4.53 MeV)$^+$. 364757
Nakayama, Masayuki
Effect of x-irradiation of recipients on in vivo neutralization of syngeneic tumors by spleen cells nonspecifically immunized with allogeneic tumors. 360232
Nakayama, Noboru
Synthesis of cubic boron nitride. 354332
Nakayama, Shiro
Development of burnup measurements for fast reactor fuel, (4). (PNCT – 831-76-01) 379825
Nakayama, T.
The Kapitza thermal resistance and tunnelling states of helium atoms. 348829
Nakayama, Y.
New techniques for the treatment of laundry and other low-level liquid wastes. 358496
Positron production in superheavy ion-atom collision systems. 376966
A search for positron emission from atomic collision processes. (ZfK – 336) 364737
Nakayama, Yasuyuki
Highly sensitive liquid waste monitor. 368310
Nakayasu, Fumio
Method of bonding a spacer pad. 368227

Nakazawa, E.
Vacuum ultraviolet luminescence-excitation spectra of $RPO_4:Eu^{3+}$ (R = Y, La, Gd and Lu). 353316
Nakazawa, Kazuomi
Two cases of the liver disease following administration of thorotrast. 379110
Nakazawa, Keiji
Autoradiography with ^{201}Tl and our clinical experience. 367700
Nakazawa, Kiyoaki
Oxidation or reduction of ferrous sulfate and other solid inorganic substances induced by γ-irradiation. 373069
Nakazawa, Kiyoshi
Adiabatic collapse of rotating gas clouds. 372287
Nakazawa, Masaharu
Applications of a lead pile coupled with fast reactor core of Yayoi as an intermediate energy neutron standard field. (UTNL-R – 0039) 368004
A helium-3 proportional counter technique for estimating fast and intermediate neutrons. (UTNL-R – 0038) 368302
New uni-resonance approximation technique for reaction rate of higher resonances in activation detectors. 355563
Nakazawa, Osamu
Purification of rat intestinal receptor for intrinsic factor-vitamin B_{12} complex. 367720
Nakazawa, Takanori
The effects of some factors on the creep behavior of type 304 stainless steel. 359965
Nakhabtsev, V.S.
Radioisotope X-ray fluorescence analyzer for elemental rock and ore analysis in natural deposits. (Czechoslovak patent document 157766/B/) 371174
Nakhodkin, N.G.
Experimental and calculated characteristics of electron inelastic scattering. 364623
Nakhodnova, A.P.
Some properties of vanadyl tungstate. 351579
Nakhutin, I.E.
Problems in using Purex-process for fast reactor fuel reprocessing. (IAEA-AG – 63-18) 362345
Nakkagawa, H.
New type of scaling law and the Bloom-Gilman duality. 377757
Nakkagawa, Hisao
Can we expand the operator products near the light-cone in terms of regular bilocal operators. 366857
Patterns of scaling violation and the proton-neutron mass difference. 353848
SU(4) symmetric duality approach to deep inelastic processes and its relation to quark parton model. 353849
Nakkasyan, A.
Further evidence for production of electrons with small transverse momenta in pp collisions. 377784
Nakken, K.F.
Technetium complexes with 2-thio-acetic acid, 2-thio-propionic acid, 2-thio-isobutyric acid and 2-dithio-succinic acid. (INIS-mf – 4010) 369764
Nalbandyan, A.B.
Combustion of transition metals in hydrogen. 357009
Nalcioglu, O.
Vibrational theory of pion condensation. 353878
Naldi, F.
DICOMICS-TWIN: self-adaptive algorithm for minimal cut sets determination from fault trees. 352231
Nalesso, G.F.
Characteristics of spontaneously generated RFP in Eta-Beta. (INIS-mf – 3963) 353532
Nam, R.A.
Characteristics of cosmic hadron interactions. 361721
Energy of electron-photon and hadron components near extensive air shower axis on the altitude of 3330 m above sea-level. 362600
Namatame, Ken
Subcooled decompression analysis of LOFT L1-3A test data with digital computer code DEPCO-MULTI. (JAERI-M – 7173) 379287
Namba, H.
Electron reactivity in liquid hydrocarbon mixtures. 362286
Namba, Masanao
Electromagnetic pump for FBR. 350262
Namba, S.
Concentration profiles of Cr, Ni and Cu implanted into mild steel. 368805
Namba, Susumu
Ion generation by laser and its application to metal vapor laser. 377134
Ion source by laser plasma. 377135
Ion sources utilizing TEA-CO_2 laser irradiation. 358844
Namba, Takaharu
Magnetic instability of Nb48%Ti single core short sample in the changing magnetic field. 358993
Nambi, K.S.V.
ESR – TL correlation studies in $CaSO_4$(RE) phosphors. 366028
Namboodiri, M.N.
Detailed studies of the reaction mechanisms of 120-MeV ^{20}Ne with ^{27}Al. (ORO – 3924-29) 366997
Mechanisms for Li and Be production in the $^{14}N + ^{12}C$ reaction. (ORO – 3924-29) 364824
Strongly damped collisions of 197 MeV ^{12}C projectiles. (ORO – 3924-29) 364767
Nambu, H.
Formation of glasses with high ionic conductivity in the system $AgI – Ag_2O – MoO_3$. 357369
Nambu, Y.
String-like configurations in the Weinberg-Salam theory. 369321
Namenson, A.I.
Nuclear structure of the odd-N Sm isotopes, ^{145}Sm, ^{149}Sm, ^{151}Sm, ^{153}Sm, and ^{155}Sm. (ANL – 77-60) 378063
Namet, M.
Small-system expansion with large nuclear generating units. Technical feasibility and economic soundness. 371239
Namiki, Mitsuo
Radiation-induced degradation of D-glucose in anaerobic condition. 359788
Namiot, W.A.
Super-compression of fissionable material by lasers. 371994
Namkung, W.
Program plan for electron cyclotron heating experiments on the ISX tokamak. (ORNL/TM – 6011) 371835
Namyslowski, J.M.
Scaling and impact parameter structure in pp scattering. 369266
Nanasyan, A.S.
Calibration of track chamber film handling projector "LUSIK-2". (EFI – 121(75)) 350451
Nandi, B.C.
The flash tube discharge mechanism from a study of the digitization pulse output. 368277
A study of the restricted energy loss by ionisation of relativistic muons in helium and argon in the momentum range 3-200 GeV/c. 351212
Nandi, M.M.
Microbiological leaching of ores and concentrates. 373403
Nandi, S.
Dileptons, trileptons and the V-A structure of weak charged currents. (BONN-HE – 77-9) 366828
Multimuon production in deep inelastic μ-nucleus scattering. (BONN-HE – 76-24) 364533
Neutrino data, exotic quarks and higher groups. (BONN-HE – 77-8) 364480
Quark-antiquark annihilation and small psub(T) inclusive spectra. (BONN-HE – 77-16) 364534
Scaling laws for the Okubo-Zweig-Iizuka violating decays and productions and the interpretation of UPSILON and UPSILON'. (BONN-HE – 77-27) 364532
A sensitive radioimmunoassay for a component of mouse casein. 362812
Nandy, K.
Spectral classification of early type stars from the low dispersion ultraviolet spectra. 369171
Nani, R.Kh.
GaTe vibrational spectra. 355948
Specific features of a long-term relaxation of nonequilibrium conduction in $CdIn_2Se_3$ monocrystals. 368736
Study on electron traps in $CdInGaS_4$ monocrystals. 371546
Nanjo, H.
On the f' spectrum of high-energy gamma-ray families. 374869
Nanjundeswaran, K.
Experience from the construction and operation of the Tarapur and Rajasthan nuclear power stations. 371003
In-service inspection of Tarapur units No. 1 and No. 2 reactor pressure vessels and primary coolant pressure boundary. 365863
Nann, H.
The $^{40}Ca(\alpha,d)^{42}Sc$ reaction. 372797
Four-particle one-hole states in ^{43}Ca strongly populated by the $^{41}K(\alpha,d)$ reaction. 372798
Spectroscopy of ^{16}C. 356762
Nanni, D.
Recognition of objects and position recovery from microdensitometer measurements of large field plates. 372133
Nanobashivili, E.M.
Protection of aliphatic alcohols by thiols. (INIS-mf – 3782) 349359
Radiation-chemical synthesis of some organic sulfur compounds. (INIS-mf – 3782) 351651
Radiation-chemical transformation of organic sulfides. (INIS-mf – 3782) 357171
Radiation-chemical transformation of thiourea. (INIS-mf – 3782) 349358
Radiation-chemical transformations of compounds with sulfhydryle group. (INIS-mf – 3782) 349357
Nanobashvili, E.M.
Low-temperature radiolysis of aliphatic thils. Chapter 5. (INIS-mf – 3678) 354444
Radiation-catalytic processes in some microheterogeneous systems. 373071
Nanopoulos, D.V.
Are new weak gauge bosons a viable explanation of neutrino trimuon production. 356391
The phenomenology of the next left-handed quarks. 372405
Naoi, Toshio
Novel continuous development method. 367849
Naoumidis, A.
Burn-up particles with oxidic fuel kernels of highly enriched uranium dioxide for spherical fuel elements. 370958
Characterization and fission product behaviour in carbide-containing oxidic fuel particles. 370960
Effect of fast neutron flux on the irradiation behavior of graphitic materials and pyrolytic carbon. 373380
Fast neutron flux variations influencing the behaviour of graphitic materials and pyrolytic carbon on irradiation. 370213
The high-temperature behaviour of unirradiated and irradiated fuel particles in HTR fuel elements. 370981
Oxidation treatment of pyrolytically deposited β-SiC in an atmosphere of CO-CO_2 gas mixtures. 373292

Phase investigations of the U-Nb-C and U-Ce-C systems. (Juel – 1432) 357372
Silicon carbide corrosion in high-temperature gas-cooled reactor fuel particles. 365917
Siliconcarbide as a protective coat on grafitic materials for the HTR. (Juel – 1422) 354582
Napadensky, H.S.
Accidental vapor phase explosions on transportation routes near nuclear plants. (ANL-K – 77-3776-1) 379240
Napier, J.G.
Faulted loops in neutron-irradiated zirconium. 362538
Napijalo, M.Lj.
The influence of the real experimental conditions on the accuracy of the Faraday method for the magnetic susceptibility measurements. 376929
Nappi, A.
Study of photons produced simultaneously with the J/psi particles at the CERN Intersecting Storage Rings. 377794
Nappl, A.
The cross section for the production of massive electron pairs and the UPSILON(9.5 GeV) in proton-proton collisions at the CERN ISR. 369367
Napravnik, J.
Bituminization of concentrated radioactive wastes. 371197
Narabayashi, Isamu
Tumor scintigraphy in primary lung cancer using ^{67}Ga-citrate. 349862
Naraghi, M.
Advanced research technology transfer. 350910
Narahara, K.A.
Myocardial imaging with ^{201}Tl at rest and during exercise. Comparison with coronary arteriography and resting and stress electrocardiography. 352124
Myocardial imaging with thallium-201: an experimental model for analysis of the true myocardial and background image components. 357647
Narahara, Y.
Zeeman exchange cross relaxation time T_1sup(ZX) in BCC ^{3}He. 366800
Narain, Hari
Exploration techniques for ground water – proceedings of a workshop organised by COSTED. 375964
Narain, U.
Autoionization rate coefficients for some coronal ions. 366730
Mathematical formulae for partial transition matrix elements in electron-hydrogen scattering by the Faddeev approach. 348702
Radiative attachment of electrons with some atoms. 353312
Narang, P.P.
Location of hydrogen in α-zirconium. 367264
Narasimhacharyulu, E.
Inelastic scattering of 279-keV gamma rays by bound electrons in heavy atoms. 361381
Narasimham, S.L.
Proper interfacing of nuclear power stations with the regional power systems in India. 379597
Narasimhan, D.V.S.
Human serum albumin microspheres for lung imaging. 373029
Narasimhan, K.L.
Electron irradiation in amorphous silicon. 362531
Narasimhan, P.T.
Electron momentum distributions from valence-bond wave functions. 363889
Narasinga Rao, S.N.
Operational problems of PHWR type nuclear station in the present day Indian grids. 379450
Special problems encountered in the design of 230 kV switchyards of coastal nuclear stations. 379449
Narasingarao, S.N.
Indoor switchyards for power stations. 379448
Narath, A.
Nuclear spin relaxation in Au^{51}V: spin dynamics of a Kondo alloy. (SAND – 77-1803C) 373241
Narato, Kiyoshi
Monitoring of small particles in gas-cooled electrical machine by ion counting method. 350142
Narayan, J.
D-T fusion neutron and Ni ion damage in Type 316 stainless steel. 360113
Defect clusters and annealing in self-ion-irradiated nickel. 367338
Ion radiation damage in copper. 373371
Narayan, P.K.
Hydrological investigations carried out with nucleonic soil moisture and density gauges developed at Trombay. 368281
Narayana, D.G.S.
Internal Bremsstrahlung from Pr-143. 356843
Narayana, G.L.
Spectrophotometric determination of boron with chlorotetracycline. 367048
Narayana, K.L.
On the violation of an inherent symmetry principle of spin-2 particles. 368570
Narayana, P.A.
A semicontinuum model with a structured first solvation shell for excess electrons in liquid and glassy alkanes. 359789
Narayanaswami, V.
Weak radiative decays of hyperons and calculations in the lattice gauge theory. 351183
Narayandas, G.R.
Status of thorium technology. 365267
Nardi, E.
Energy deposition by fast ions in pellet fusion targets. (WIS-PH – 77/28) 364232
Energy deposition by relativistic electrons in high temperature targets. (WIS-PH – 77/47) 364230
Self magnetic field effects on energy deposition by intense relativistic electron beams. (WIS-PH – 77/31) 364231
Nardillo, A.M.
Study of the extraction behaviour of the niobium(V)-3-methylcatechol-quaternary ammonium system. 359662
Nardini, M.
Assessment of regional cerebral blood flow by continuous carotid infusion of krypton-81m. 373656
Narebska, A.
Effect of gamma radiation on ion exchange resins. Pt. 6. The kinetics and mechanism radiation damage of functional groups in the anion exchange resin Imac S5-40. 357162
Nargolwalla, S.S.
Nuclear "Metalog" grade logging in mineral deposits. 376006
Radioactivation methods, ch. 5. 373414
Nargundkar, V.R.
Material reactivity worth measurements in a fast reactor. 376472
Nariai, H.
Thermo-hydraulic behaviour of fluid in pressure vessel during blowdown. 376525
Nariai, Hidekazu
On a quantized scalar field in some Bianchi-type I universe. (RRK – 77-2) 369172, 372225
On a quantized scalar field in some Bianchi-type I universe, 2. (RRK – 77-5) 366733
Nariai, Kyoji
The circulation of matters in a contact binary system. 349017
Narimanidze, A.P.
Coordination compounds of nitrates and sulfates of some metals with isonicotinic acid hydrazide. 375524
Narimatsu, Yoshito
Performance deterioration of silicon semi-conductor detector by proton irradiation. 355632
Narinskaya, L.A.
Study of cesium adsorption on molybdenum and tungsten. 350826
Narinyan, V.T.
On the possibility of simultaneous extraction of particles along several beam lines at the Yerevan synchrotron. (EFI – 176(22)-(76)) 350050
Narita, Michiro
Noninvasive detection of regional myocardial perfusion abnormality with ^{201}Tl and ^{81}Rb. 349863
Narita, Noboru
Damage on DNA induced by radiation and its repair, 4. 367459
Narita, Osamu
Coastal observation of Tokai-mura. (PNCT – 831-76-01) 378893
Effect of the sea-breeze on the atmospheric stability at the seaboard. (PNCT – 831-76-01) 378928
Environmental monitoring of tritium. (PNCT – 831-77-01) 379348
Meteorological measurements at PNC Tokai Works. (PNCT – 831-77-01) 380069
Narita, Shinji
Adiabatic collapse of rotating gas clouds. 372287
Narjes, L.
Physical quantities, their role and treatment in gasflow measurement techniques. (PTB-Me – 18) 361080
Narkyavichus, V.
Radiation of electron-hole plasma in GaSe monocrystals. 377158
Narlikar, A.V.
Superconducting niobium stannide. 366806
Narlikar, J.V.
Two astrophysical applications of conformal gravity. 366734
Narodetsky, I.M.
On pseudoresonances: nonresonant Argand loops. 353035
Naroska, B.
Further evidence for production of electrons with small transverse momenta in pp collisions. 377784
Narozhnyj, N.B.
Photon elastic scattering in a high-strength field and photoproduction of the pair and a photon. 355806
Narten, A.H.
X-ray diffraction pattern and models of liquid benzene. 350661
Nartova, T.T.
Tungsten content effect on the mechanical properties of the Ti-3Al-3Zr alloy. 375849
Naruchi, Kiyoshi
Thermal oligomerization of metal salts of methacrylic acid in solid state. 359663
Naruki, K.
Status of the development of mixed-oxide fuels in the power reactor and nuclear fuel development corporation (PNC). 368043
Naruki, Kaoru
End plug welding of fuel elements for prototype advanced thermal reactor FUGEN. (PNCT – 831-77-01) 379723
Fabrication of a fuel assembly for an irradiation test in SGHWR. (PNCT – 831-77-01) 379725
Mechanical strength of end plug welds of FUGEN fuel rods (zircaloy). (PNCT – 831-77-01) 379724
A study on coloring and corrosion behavior of end plugs of FUGEN fuel elements. (PNCT – 831-77-01) 379715
Naruo, Kazuteru
Mock-up of pressure tube monitoring apparatus for the prototype heavy water moderated boiling light water cooled reactor 'Fugen'. 368188

Narurkar, L.M.
Transfer RNA methylases in rat placenta. 367629
Narurkar, M.V.
Transfer RNA methylases in rat placenta. 367629
Narusawa, T.
An experimental UHV apparatus to investigate interactions of low energy light ions with solid surfaces. 368978
Simultaneous SIMS-AES measurements for partially oxidized aluminum surfaces. 368855
Narvaez, M.
Patterns of bone-marrow scintigraphy. 354968
Naryshkina, S.I.
Peculiarities of spectroscopy of rare earth ions in yttrium, lanthanum, gadolinium, lutetium oxysulfides. (INIS-mf – 3955) 378265
Spectra of luminescence of europium ultraphosphates. (INIS-mf – 3955) 378328
Naschi, G.
Developments in siting for nuclear facilities in Italy. 370593
Nascimento, I.C.
Electromagnetic form factors for the 14.39 and 17.50 MeV levels of ^{9}Be. 351396
Influence of the coulomb distortion on the virtual photons spectrum. 354244
Nascimento, J.C.
Fiber bundle geometry and space-time structure. (PUC-TN – 13/77) 350533
Nascimento, M.A.C.
Photodetachment cross section of the negative hydrogen ion. 363910
Nascimento, O.R.
EPR of CU^{+2}:Mb single crystal. (PUC-TN – 24/76) 351787
Nascimento, V.F.
Fitting a ^{60}Co external source to a liquid scintillation system for the estimation of the ^{32}P Cerenkov effect detection efficiency. 358436
Naser, J.
Low sodium void coefficient LMFBR cores. (CONF-761001 – P2) 363013
Naser, J.A.
Thorium-based fuels in fast breeder reactors. 368233
Naser, J.A. II
Efficient solution method for optimal control problems in nuclear systems. 363419
Nash, C.P.
Isotope effects and spectroscopy. 351449
Nash, D.B.
Annual report, University of Rochester Biomedical and Environmental Research Project: brief description of research papers accepted for publication during 1976. (UR – 3490-1189) 360206
Nash, G.
An appraisal of subcooled boiling and slip ratio from measurements made in Lingen BWR. (AEEW-R – 1128) 370887
A classical field model for charged particles. 361832
Nashed, W.
Public acceptance of nuclear power. Some ethical issues. 370520
Nashel'skij, A.Ya.
Investigation of interaction of molten gallium-phosphorus stoichiometric alloy with container materials. 362211
Nashlenas, Eh.P.
On the electron-atom scattering amplitude relation derived from normalization of wave function. (INIS-mf – 3915) 348715
On the normalization of total wave function of the system of an atom and a colliding electron. 368682
Nashman, T.A.
Fire protection requirements of the insurance industry and their impact on nuclear power plant design and construction. 357755
Nasibov, I.O.
Investigation into some physical properties of alloys in the region of solid solution in the system Ce_2Se_3-$SnSe_2$. 378698
Nasim, A.I.
Comparative study of insecticide residues in rice plants. 379160
Nasirov, Ya.N.
Magnetic susceptibility of (SiTe)sub(1-x) – (A^3Te)sub(x). 370015
Thermoelectrical properties of In_2Te_3 and [In_2Te_3]sub(1-x) – [SnTe]sub(x) solid solutions. 370041
Naskidashvili, I.A.
The influence of lithium impurities on the character of recovery of electrical resistance of irradiated aluminium. 360055
Investigation of electrical resistance and stored energy at low-temperature irradiation of titanium diboride. 360125
The neutron irradiation effect on intermetallic uranium-aluminium compounds at low temperatures. (KFTI – 75-35) 354617
Resonance attenuation of sound and acoustic quantum generation in niobium containing hydrogen. 351727
Studies of the effect of molybdenum-, silicon- and iron additions on the uranium-alpha radiation-induced growth at low-temperature irradiation. (KFTI – 74-47) 354632
Nasonova, L.P.
Programs for arithmetical actions with number of different types. (ITEF – 30) 350442
Nasrallah, N.F.
Non-leptonic K decay rate in terms of spectral function integrals. (IC – 76-86) 361300
Nassalski, J.
Coherent production of low-mass $p\pi^+\pi^-$ states in the interaction of 18.6 GeV/c protons with ^{4}He nuclei. 372518
Nasser, G.
Natural draft dry-type cooling tower for steam power plants. (German (F.R.) patent document 2454055/B/) 355304
Nassibian, G.
Reliability and maintenance analysis of the CERN PS booster. 363305
Nassikas, J.
Improving regulatory effectiveness in federal/state siting actions: state regulatory activity involved in need for power. (NUREG – 0197) 361185
Nassisi, V.
Diagnostic probe for intense electron beams. 366359
Nastoyashchij, A.F.
Acoustic instability and anomalous absorption of laser radiation close to critical plasma density. 374847
Nasu, H.
Nuclear power in Japan: an example of transfer of nuclear technology. 352636
Nasu, S.
Concentration profile of carbon atoms in Li_2O. 362200
Tritium release from neutron-irradiated Li_2O pellets. 357427
Nasu, Saburo
Diffusion welding of molybdenum to hastelloy alloy X. 359869
Nasybullin, Sh.A.
The ligand role in vanadyl chelate complexes in the catalytic reduction of hydroperoxides with phosphites. 357049
Nasybullina, L.T.
Investigation of cathodic polarization of cadmium in citrate solution. 357019
Nasyl'skij, P.D.
Observational consequences of evaporation of small-mass primary black holes. 369223
Nat, N.
Continuous measurement of blast-furnace coke moisture . 349956
Natali, S.
Strange particle production by antineutrinos. 356505
Natanzon, D.D.
Differential ratemeter. (Soviet patent document 404032/A/) 355564
Natarajan, A.
Experience in the manufacture of nuclear equipment in India. 370813
Natarajan, G.S.
Formation constants of chelates of 7-nitro-8-hydroxyquinoline-5-sulphonic acid with yttrium and some lanthanides. 351498
Natarajan, K.
β-diketonato (triphenylphosphine) complexes of ruthenium(II). 372986
Natarajan, T.K.
Advances in computer applications in radioactive tracer studies of the circulation. 355701
Nateprov, A.N.
X-ray spectral study of electronic structure of Cd_3P_2. 357052
Natesan, K.
Compatibility of ferritic steels in a sodium environment. (CONF-760503 – P2) 352732
Nath, G.
The effect of suction on boundary layer for rotating flows with or without magnetic field. 350761
Nath, R.
The effects of ultra-high dose rates on survival and sublethal repair in Chinese-hamster cells. 376071
Nath, S.
New method for the measurement of differential elastic scattering cross sections of fast neutrons. 364611
Nathan, A.M.
Yrast decay schemes from heavy ion + ^{48}Ca fusion-evaporation reactions. I. ^{54} ^{56}Mn, ^{56}Cr, and ^{52} ^{53}V. 351397
Yrast decay schemes from heavy-ion + ^{48}Ca fusion-evaporation reactions II. ^{59} ^{60}Fe and ^{59} ^{60}Co. 364832
Nathan, O.
Isovector pairing vibrations. 372583
Nather, R.E.
A search for rapid optical periodicities from Cyg X-1. 366744
Search for rapid oscillations in old novae. 372247
Naticchioni, A.
Design and safety criteria of the alpha-gamma hot laboratory of CNEN, Italy. 360656
Natkanets, I.
Determination of the density of phonon states in a naphthalene crystal based on incoherent neutron inelastic scattering. 366394
Natkaniec, I.
Inelastic incoherent neutron scattering spectra at different temperatures and computer experiment for external phonon modes of naphthalene crystals. 371568
Natori, Hisahide
Control rod for a reactor. 368067
Reactor. 368068
Natori, N.
Thermal insulation for the superconducting cable. 365705
Natowitz, J.B.
Angular momentum effects in nuclear reactions. Progress report, August 1, 1976 – July 31, 1977. (ORO – 3924-29) 364753, 364767, 364824, 366005, 366997
Heavy ion reactions at 15 to 20 MeV/nucleon. (CONF-770602 –) 372545
Mechanisms for Li and Be production in the ^{14}N + ^{12}C reaction. (ORO – 3924-29) 364824
Observation of the new nuclides ^{27}Ne, ^{31}Mg, ^{32}Mg, ^{34}Al, and ^{39}P. (ORO – 3924-29) 364753
Strongly damped collisions of 197 MeV ^{12}C projectiles. (ORO – 3924-29) 364767

Natroshvili, G.R.
Low-temperature radiolysis of aliphatic thils. Chapter 5. (INIS-mf - 3678) 354444
Natsume, H.
Present status and development of Japan's safeguards system. 371287
Nauenberg, M.
Asymptotic freedom and the baryon-quark phase transition. 358643
Nauenberg, U.
Search for tachyonomonopoles in cosmic rays. (COO - 2114-24) 351211
Nauer, G.
Determination of trace elements in ancient glasspieces and correlation with corrosion and devitrification. 372907
Naulin, C.
Synthesis and characterization of the difluorotris (fluorosulfate of uranium (V): $UF_2(SO_3F)_3$. 365033
Naumann, R.A.
Annealing behavior of In implanted in Si studied by perturbed angular correlation. 351895
Some recent results on μ^-transfer in systems with bound hydrogen. (LA-UR - 77-1266) 361371
Naumann, S.
Reliability of electronic elements and circuits. 376724
Naumov, A.N.
Optimization of quantitative gamma activation analysis using method of experiment planning. 375246
Naumov, A.P.
The characteristics of photo-activation of light elements. (INDC(CCP) - 104/LN) 372848
Naumov, I.V.
Mechanical chopper-monochromator with replaceable rotors. 376331
Naumov, M.V.
Technique for study on the texture of internal surfaces of cylindrical bodies. (Soviet patent document 463897/A/) 368838
Naumov, N.D.
On application of the tetrad method in the classical radiation theory. 358667
Naumov, V.A.
Basic performance problems and prospects for 1200-1500MW gas-cooled fast reactors with dissociating coolant. 365981
Calculation of neutron cross-sections in the unresolved resonance region by the Monte Carlo method. (INIS-mf - 3895) 359427
Radiation damage to the tissueequivalent medium caused by elastic collisions upon irradiation with 0.2 to 100 keV protons and 1 to 1000 keV neutrons. 365356
Research program of the Nuclear Power Institute of the BSSR AS on scattering and thermalization of thermal neutrons. (INIS-mf - 3895) 355290
Naumov, V.I.
Heterogeneous effects on experimental integral parameters of subcritical assemblies. 360784
Naumov, V.S.
Equilibrium constant of oxidation of plutonium trichloride solutions by gaseous chlorine in alkali metal chloride melts. (INIS-mf - 4193) 375658
Naumov, Yu.V.
Angular distributions of gamma rays emitted in the analog decay of ^{61}Cu. 359502
Angular distributions of gamma rays from decay of ^{63}Cu analogs. 375186
Gamma decay of ^{59}Cu resonances. 375187
Naumova, T.N.
On a possibility of sublimation refining of niobium and tantalum chlorides. 369679
Naumova, Yu.M.
Some aspects of butadiene polymerization on catalytic systems containing rare earths. (INIS-mf - 4195) 375555
Naus, A.J.
Calculation of radioimmunoassay standard curves. 365470
Navach, F.
Further evidence for production of electrons with small transverse momenta in pp collisions. 377784
The slow proton trigger for the CERN OMEGA spectrometer. 368293
Navach, R.
Peripheral anti pn production and decay angular distributions in the reaction $\pi^- p \rightarrow$ (anti pn)p at 12 GeV/c incident momentum. (BONN-HE - 77-14) 366886
Navada, S.V.
Extraction of soil moisture for subsurface tritium profile studies. 367379
Navalikhin, L.V.
Application of neutron low energy sources for activation analysis for molybdenum and tungsten in sewage. 356955
Experience in operating low-energy accelerators for activation analysis of metallurgic products. 357892
Navalkar, M.P.
Analysis of small cylindrical fast systems by Monte-Carlo method. 376419
Pulsed neutron logging - a modern approach to petroleum exploration. (INIS-mf - 4162) 376277
Stochastic method of calculations for fast systems. 363381
Navare, S.
On the violation of an inherent symmetry principle of spin-2 particles. 368570
Navarria, F.L.
A detector for high-energy neutrino interactions. 379899
Is there a high-y anomaly in antineutrino interactions. 351222
Like-sign dimuon events produced in narrow-band neutrino and antineutrino beams. 356512
Measurement of the neutral to charged current cross section ratio in neutrino and antineutrino interactions. 361888
Observation of a neutrino event with four energetic muons. 372525
Observation of trimuon events produced in neutrino and antineutrino interactions. 356511
Study of inclusive neutral current interactions of neutrinos and antineutrinos. 369377
Navarro, R.
Catalog of seismic records obtained in support of the ERDA/Nevada Operations Office, October 1963 - June 1976. (USGS - 474-183) 363119
Naveed-Ullah, K.
Energy distributions of diatomic molecular positive ions in a drift tube. 368683
Navelet, H.
The $pp \rightarrow n\Delta^{++}$ cross section between 6 and 1500 GeV/c. 361830
Navickas, J.
Galvano-magneto-recombination effects in ion-bombarded surface layers of solids. 370181, 377270
Navinsek, B.
Blistering of stainless steels by He^+ ion bombardment. (IAEA - 199) 349595
Navolokina, R.A.
Effect of molybdenum (6) oxide on reaction of acetonitrile with acetic acid. 378451
Navon, E.
Particle-hole states in ^{42}K studied by the ^{44}Ca(d,α)^{42}K reaction. 356854
Navon, I.
Experimental study of the reaction ^{7}Li(π^+, π^0)^{7}Be in the (3, 3) resonance region. 366961
Navotny, V.Sh.
A study of inelastic pion-nucleus interactions at 200 GeV/c in an emulsion. 356481
Navratil, G.A.
Observation of classical diffusion in the presence of large amplitude density fluctuations. 366603
Navratil, J.D.
Evaluation of anion exchange resins for pre-analysis separation of actinides. (RFP - 2682) 362134
Evaluation of anion exchange resins for processing plutonium - neptunium residues. (RFP - 2657) 373124
Evaluation of extraction chromatography for americium recovery. (RFP - 2625) 380009
Waste management analysis for the nuclear fuel cycle: parts I and II. Progress report for period ending March 31, 1977. (RFP - 2667) 366085
Navrotski, Z.
Systems for power supply, control and synchronization of plasma-focus type experiments. (INIS-mf - 3954) 361498
Nawalany, M.
Methods for routine control of tritium concentration in air moisture in the laboratory. 354706
Stochastic model of tracer flow. 373442
Nayak, U.P.
Analytical comparison of the irradiation behavior of fast reactor carbide and oxide fuel pins. 379796
Nayan, R.
Protonated, hydroxo, and mixed protonated-hydroxo species in metal-ligand equilibria: complexes of thorium(IV) with xylenol orange in aqueous solution. 367109
Nayar, P.K.K.
The $\beta \rightarrow \alpha$ transformation and its effect on the mechanical properties of dilute Zr-Nb-Ti alloys. 367277
Nayfeh, M.H.
Collisional line broadening using laser excitation and ionization. 358794
Two-photon ionization of colliding atoms. 358795
Naymov, E.P.
Fabrication of cold-rolled bands of the alloy-ehi 702 in rolls. 373158
Nayudu, M.V.
Lipid metabolism in chlorotic spot virus infected groundnut leaves (Arachis hypogea L var. TMV 2). 367644
Nayyar, C.P.
sup(99m)Tc-Sn-glucose complex : a renal scanning agent. 367146
Nazarchuk, T.N.
Determination of free boron in rare earth hexaborides. 351444
Nazare, M.H.
Pseudo-Jahn-Teller effects in H3 vibronic spectrum in diamond. 370147
Nazare, S.
Properties of carbides and hard metals. Pt. 1. (KFK-EXT - 6/77-1) 365202
Properties of carbides and hard metals. Pt. 2. (KFK-EXT - 6/77-1) 365203
Surface, grain boundary and interfacial energies in UO_2 and UO_2-Ni. 373301
Technology and properties of corium melts. (KFK - 2435) 357801
Nazarenko, A.Yu.
Chemiluminescence reactions between lucigenine and reductants. 372851
Nazarenko, N.A.
Intensity of Yb^{3+} ion absorption band in solutions of some complexes. 369590
Nazarenko, P.P.
Action of low radiation doses on the ultrastructure of chick embryo hypophysis. 360269

Nazarenko, T.A.
Spectral isotopic analysis of hydrogen in zirconium and its alloys. (NIIAR-P – 246) 349155
Nazarenko, V.A.
Search for a neutron electric dipole moment using ultracold neutrons. (INIS-mf – 3895) 355525
Spectrophotometric determination of constants of tellurium (4) hydroxocomplexes formation. 351537
Spectrophotometric determination of formation constants of tungsten(6) monomer hydroxocomplexes. 351538
Nazareth, R.A.M.S.
Effect of inertia parameters on static fission path. (CBPF – A0029/76) 350534
Nazarov, Eh.K.
Use of nuclear reactors to produce high-temperature heat for energy-intensive industrial processes. 366129
Nazarov, I.M
Global contamination by ^{137}Cs, ^{90}Sr and doses of external irradiation on the territory of the USSR. 376146
Nazarov, I.M.
Fundamentals of gamma spectroscopy of natural media. 349636
Global pollution of the Soviet Union and the external exposure doses for ^{137}Cs and ^{80}Sr. 360529
Nazarov, P.P.
Calculation of elution output curves of transplutonium elements conformably to displacement complexing chromatography. 378471
Distribution of praseodymium and neodymium ions in the system of cationite – diethylenetriaminepentaacetic acid solution in the interval of 6-140 deg C. 359689
Effect of Rind of holding ion on efficiency of rare earths separation by means of displacement complexing chromatography. 378379
Studing sorption mechanism of indium and iron (3) ions on phosphoric-acid cationite KF-7. 378263
Studying composition of complexes formed by non-ferrous metal with nitrilotriacetic acid during rare earths separation by displacement chromatography. 378380
Nazarov, S.S.
Search berylometer "Beryll-4". 365268
Nazarov, V.
Determination of boron range distribution in ion-implanted silicon by the $^{10}B(n, \alpha)\ ^{7}Li$ reaction. 364900
Nazarov, V.A.
Computer analysis of microstructures for estimating the effect of β-radiation on the skin. 362693
Nazarova, I.N.
On reaction of alkali metal hexafluorogermanates with acetic acid solutions. 362209
Nazarova, M.N.
On spatial distribution of solar cosmic rays in the Earth magnetosphere. 357542
Nazarova, M.P.
Analysis of intermetallic inclusions in defective castings of the Mg-Zn-Zr alloy system. 351783
Chemical interaction in composite materials with magnesium and ML-8 alloy base reinforced with boron fibers. 365187
Nazarova, N.L.
Metallography preparation of niobium tape for grain orientation determination from electron microscopy imaaes. (INIS-mf – 3839) 365172
To the problem of powder objects preparation for electron microscopy study. (INIS-mf – 3839) 367072
Nazemi, F.
Studies of radioactive sediments in East of Ramsar. 373415
Nazet, C.
Anomalous resistivity and subsequent fast particles in the plasma focus. (INIS-mf – 3963) 371752
Nazhalov, A.I.
Theoretical study of electron energy spectrum in metals and metallic alloys. 371591
Nazimov, O.P.
Aluminium effect on the physical properties of titanium. 375865
Nazirov, N.N.
Resistance of cotton radiomutants and their initial forms to low positive temperatures. 362676
Nazmitdinov, R.G.
Two-phase model of rotating nuclei. (ZfK – 336) 364693
Nduka, A.
Charged static fluid spheres in Einstein-Cartan theory. 350535
Ne'eman, E.
Delayed neutron emission probabilities of Rb and Cs isotopes. (IA – 1338) 364602
Ne'eman, Y.
Hadron dilation, shear and spin as components of the intrinsic hypermomentum current and metric-affine theory of gravitation. 361276
Neal, G.F.
Gamma-ray spectroscopy of ^{64}Zn and ^{65}Zn and the role of the gsub(9/2) orbital. 378038
Neal, H.A.
New developments in high energy physics. (COO – 2009-130) 377758
Preliminary polarization results at Fermilab energies. (COO – 2009-128) 364571
Technical progress report of the Indiana University High Energy Physics Group, December 1, 1976 – November 30, 1977. (COO – 2009-132) 364565
Neal, T.
Determination of the Grueneisen γ for beryllium at 1.2 to 1.9 times standard density. (LA-UR – 77-1292) 351788
Neale, B.K.
A unified approach to elastic-plastic fracture mechanics. (IAEA – 189) 359966
Neale, W.W.
High multiplicity π⁻d interactions at 21 GeV/c. 356503
Tests of factorization from single- and double-pion production in 100-GeV/c p-antip and pp collisions. 351230
Nealey, S.M.
Nuclear power and the public: analysis of collected survey research. (PNL – 2430) 379611
Neamtu, V.
Continuous measurement of blast-furnace coke moisture . 349956
Nease, D.
Normalized small-y cross sections for neutrinos and antineutrinos at high energy. 359333
Rate of dimuon production from neutrinos and antineutrinos at high energy. 366880
Nebel, D.
Investigation of the electrochemical determination of uranium and neptunium. 372911
Nebelung, A.
Emission of X ray continua by bombardment of thick Si targets with protons and ^{14}N ions. (INIS-mf – 3996) 363954
Nebojchenko, K.V.
Acoustic device for measuring displacements in a reactor channel. (Soviet patent document 438048/A/) 358032
Nebola, I.I.
On the nature of low-temperature 'phase' transition in SbSI ferroelectric-semiconductor. 358860
Structure of energy bands and two-phonon absorption in $CdGa_2S_4$ and $CdGa_2Se_4$ crystals. 371666
Neboyan, V.T.
Power zone control of a nuclear power reactor. 350172
Nebreda, I.M.
Reaction to diseases of six gamma-irradiated genotypes of wheat (Triticum spp.). 373726
Necas, E.
Effect of hydroxyurea and vinblastine on the proliferation of the pluripotential stem cells. 367506
Necas, J.
Combination of the mutation process with the sensitization and repair processes leading to increased frequencies of mutations in algal populations. 349730
Method for production of dicarbonic acid anhydrides. (Czechoslovak patent document 157157/B/) 369798
Nechaev, A.N.
Application of molybdenum-rhenium MR47-VP alloy braces and suspenders for precise dynamometric and mass-measuring devices. 365183
Nechaev, Yu.R.
Automatic method of acid refining of thin-dispersed zircon. 375930
Nechev, Kh.K.
Late morphological and functional changes in thyroid gland following radioiodine damage and associated with external radiation. 367608
Nechiporenko, E.P.
Thermal stresses in the metal-silicide coating system. 369869
Nechushkin, A.A.
Low pressure measurement technique. 376697
Neckel, A.
Calculations of 2γ-angular correlations and Compton profiles for TiC. 377269
Nedoseev, S.L.
Effect of thermonuclear microexplosion initiated by a relativistic electron beam on the first wall of an explosive chamber. (INIS-mf – 3954) 361647
Nedospasov, A.V.
Heat and particle transport to a wall of a tokamak reactor. (INIS-mf – 3963) 353651
Nedungadi, T.M.B.
Curve stripping of the third phase of the renogram in essential hypertension. 373622
Nedvedyuk, K.
Strength functions of primary soft gamma transitions near the neutron binding energy. (INIS-mf – 3897) 354275
Nedyalkova-Daskalova, N.
Effect of controlled atomosphere of argon on change of intensity of atomic and ionic lines in spectral analysis of dry residues of solutions. 359561
Neeb, K.H.
Investigation of the crud deposits on pressurized water reactor fuel elements. (BMFT-FB-K – 77-12) 376526
Needes, C.R.S.
The anodic dissolution of uranium dioxide. 365030
Needleman, A.
Combined macroscopic and microscopic approach to the fracture of metals. Technical progress report, July 1976 – June 1977. (COO – 3084-53) 362412
Neef, R.D.
Fast neutron doses in HTR reactors. 370976
Neef, W.S.
Remote servicing features of two new mirror fusion reactors. (UCRL – 79420(Rev.1)) 377495
Neef, W.S. Jr.
Remote servicing features of two new mirror fusion reactors. (UCRL – 79420) 377496
Neely, J.H.
Improving regulatory effectiveness in Federal/State siting actions. Nuclear power plant licensing: A New England perspective.

Final report. (PB – 269388) 366174
Neergaard, K.
Very high spin Strutinsky calculations with a Woods-Saxon potential. 354092
Neergard, K.
Yrast traps and nuclear shell structure. (ZfK – 336) 364680
Neet, D.
Operation of the CERN-ISR for high luminosity. 363222
Nef, C.
Amplitudes and exchange mechanisms for K* resonances produced by the reactions $K^+p \rightarrow K^{*-}p$ at 10 GeV/c. 356488
Nefed'ev, O.K.
CAMAC crate controller for the connection of the TRA-i computer by means of a programming channel. 361081
Nefedov, A.P.
Determination of electron temperature and density by an electrostatic probe in a plasma stream at atmospheric pressure. 348874
Nefedov, B.K.
Catalytic synthesis of aromatic diisocyanates by means of carbonylation of nitrocompounds with carbon monoxide. 375525
Formation of complexes with electron transfer in interaction of amines, alcohols and olefins with metal carbonyls. 378352
Nefedov, O.M.
Reaction of tungsten carbene complexes with conjugated dienes. 372973
Transformation of cyclopropane derivatives under tungsten halide influence. 378439
Nefedov, V.D.
On the possibility of producing tritium labelled phenyl-substituted onium derivatives of halogens by means of ion-molecular reactions. 354407
Preparation of tritiated phenyl-substituted onium derivatives of antimony, tellurium and iodine by means of ion-molecular reactions. 365029
Nefedov, V.N.
Installation for ultracold neutron production on the SM-2 reactor. (INIS-mf – 3895) 354010
Measurement of prompt neutron spectra of ^{233}, ^{235}U, ^{239}Pu fission with thermal neutrons by relative and absolute methods. (INIS-mf – 3896) 356684
Study on effect of fission delayed gamma quanta in measuring fission neutron spectra by means of time-of-flight method. (INIS-mf – 3896) 358383
Nefedov, Yu.Ya.
Measurement of captured gamma quanta yield from an organic scintillator when irradiated with fast neutrons. 376606
Nefedova, T.N.
Density and velocity of ultrasonic propagation in aqueous solutions contaning zinc and cadmium acidocomplexes. 351465
Neff, J.O.
Perspectives on fusion power commercialization. 377497
Neffe, G.
Development of ^{85}Kr separation from the off-gas of the large reprocessing plant: Findings of the prototype test plants ADAMO and KRETA. (AED-Conf – 77-403-004) 375737
Optimization of the low-temperature rectification technique for Kr 85 separation from the waste gas of reprocessing plants. 369827
Separation of krypton and xenon from the offgas of nuclear facilities. (KFK – 2435) 357914
Neganov, B.S.
A combined ^{3}He-^{4}He dilution refrigerator. 376323
Negas, T.
Influence of K_2O on the cerium oxide – ZrO_2 system. 357189
Negele, J.W.
Angular momentum projection corrections to transition densities in rare-earth nuclei. 354129
Nuclear matter revisited. 375130
Nuclear matter theory. (COO – 3069-534) 359428
Solution of Hartree-Fock equations in coordinate space for axially symmetric nuclei. 354069
Time-dependent Hartree approximation for a one-dimensional system of bosons with attractive delta-function interactions. 363862
Time-dependent mean field theory of nuclear dynamics. 351300
Negi, P.S.
Radium organisation and radiation protection. 373881
Negita, H.
Moessbauer effect of ^{129}I in mercury(I)iodide. 356051
Negita, Hisao
Moessbauer absorption spectra of ^{119}Sn in single crystals of $(CH_3)_2SnF_2$ and $(CH_3)_2SnCl_2$. 348830
The nuclear quadrupole resonance of dibromoiodate ions. 367110
Principal axes of the EFG tensors and torsional oscillations in boron triiodide. 354360
Negre, M.
Multiple scattering effects in secondary electronic emission of single crystals under ionic bombardment. (INIS-mf – 3996) 364034
Negri, B.S.
X-ray emission intensities of radionuclides in fallout from nuclear explosions. 356976
Negri, P.
Study of quasi-elastic reactions of ν and antineutrino in Gargamelle. 369268
Nehama, E.
Color metallography of U_3Si. 354597
Neharin, A.
Introduction to radiobiology. 376873
Nei, Hiromichi
Small leak detection by measuring surface oscillation during sodium-water reaction in steam generator. 355625
Wastage phenomena due to small leak sodium-water reaction. 374260
Neider, R.
Role of nuclear standards in nuclear technology transfer. 352969
Neider, Rudolf
The German radiation protection standards. 355013
Neidig, D.F. Jr.
Nonthermal electrons in solar flares. 372226
Neidig, D.F.Jr
Microwave burst spectra and solar flare magnetic fields. 356297
Neidigh, R.V.
Relation of neutral beam injection to impurity behavior and extension of plasma parameters in ORMAK. (INIS-mf – 3963) 371934
Tungsten radiation from tokamak produced plasmas. 356119
Neifakh, Yu.A.
Action of some biologically active preparations on the cell population of stem haemopoietic fraction and on the survival of irradiated mice. 367512
Neil, V.K.
Proton accumulator ring injection studies. (LA-UR – 77-1291) 374056
Neill, J.M.
Gas turbine HTGR. 379675
Radionuclide left ventriculography with the slant hole collimator. 352118
Neilson, E.R.
Synthesis and testing of partially lipophilic polyaminocarboxylic acids. (COO – 119-252) 373591
Neilson, G.H.
Electron heating by neutral beam injection in Ormak. (INIS-mf – 3963) 371961
Neutral beam injection experiments at ORNL: fueling aspects. (CONF-771129 – 4) 371963
Neilson, R.M. Jr.
Immobilization of tritiated aqueous waste in polymer-inpregnated concrete. 352863
Neiman, M.
Decay of the compound nucleus ^{74}Kr formed in the reaction ^{16}O + ^{58}Ni. 354265
Island of high spin isomers near N = 82. (ZfK – 336) 364811
Island of high-spin isomers near N = 82. 367001
A study of γ-decay modes from high angular momentum nuclear states by high order multiplicity measurements. 377955
Neiman, P.E.
Treatment of blastic transformation of chronic granulocytic leukemia by chemotherapy, total body irradiation and infusion of cryopreserved autologous marrow. 373563
Neirinckx, R.D.
A ^{178}W-^{178}Ta generator system. (INIS-mf – 4010) 357109
Excitation function for the ^{60}Ni (α,2n) ^{62}Zn reaction and production of ^{62}Zn bleomycin. 357863
Simultaneous production of ^{67}Cu, ^{64}Cu and ^{67}Ga and labelling of bleomycin with ^{67}Cu or ^{64}Cu. 357862
Neitzel, D.A.
Impingement studies at the 100-N reactor water intake. (BNWL – 2401) 362993
Neitzel, H.J.
Fuel rod behaviour in the refill and flooding phase of a LOCA. (AED-Conf – 77-403-003) 376210
Investigations of the fuel rod behavior in the low pressure phase of a LOCA and of the interaction between ballooning Zircaloy claddings and emergency core cooling. (KFK – 2435) 358203
Out-of-pile cluster experiment on fuel rod behaviour in the flooding phase of a hypothetical LOCA. 370944
Nejedla, B.
Calibration light sources for scintillation techniques. 371123
Nejlo, G.N.
Change of basis state of some rare earth ions in crystallohydrates at high pressures. (INIS-mf – 3955) 378427
Nejman, A.Ya.
Nature of conductivity of strontium orthomolybdates depending on composition of compounds and thermodynamic parameters of medium. 378415
Nejman, E.Ya.
Determination of bismuth and lead in ferroniobium by the method of inversion voltammetry. 372910
On the "memory" effect and its relation to the mechanism of formation of mercury-graphite electrode in inversion voltammetry. 372908
Some aspects of analysis of high purity copper. 372909
Nejmark, B.E.
Boron effect on the thermodynamic properties of Eh1703 steel. 349444
Nekhaev, I.P.
Investigation into growth kinetics and quality of 40Kh steel diffusion layer in the process of liquid nitriding with ultrasonic oscillation pile use up. (INIS-mf – 4046) 369856
Nekhamkin, L.G.
On the effect of heating and storage of zirconium sulfuric-acid solutions on tributyl phosphate extraction of zirconium rhodanide. 378396
Nekipelova, G.D.
Calculation methods for output characteristics of charged particle beams in a linear accelerator. (INIS-mf – 3909) 374088
Neklyudov, I.M.
On the influence of high energy (250MeV) electron irradiation on

the structure and properties of aluminium. (KFTI – 74-47) 366413
Nekrasov, A.A.
Semiconductor spectometer of current signal fronts. 358331
Nekrasov, K.D.
New progress in the theory and practice of heat-resisting concretes. 349567
Nekrasov, K.G.
Search for the $\mu^+ \rightarrow e^+ + e^+ + e^-$ decay. 369380
Spectrometer ARES. (JINR-R – 13-9542) 350309
Nekrasov, V.N.
Bromine reaction with molten alkali metal chlorides. (INIS-mf – 4193) 375470
Nature of halogen solutions in molten alkali metal halides. (INIS-mf – 4193) 375471
Nekrasova, I.M.
Investigation of rare earth titanoniobates electrophysical properties. 359701
Nekrasova, I.V.
The nature of variations in the radioresistance of sea urchin eggs in the early embryogenesis. 354741
On the probable nature of enhanced radioresistance of the gemmating yeast cells. 362644
Nelepchenko, O.M.
Optimal geophysical complex and methods for investigation of peleogene and upper cretaceous deposits in search and exploratory wells in the northern areas of Tumen region. 367380
Nelipa, N.F.
Asymptotically free theories. 353124
Nelken, M.
Small-system expansion with large nuclear generating units. Technical feasibility and economic soundness. 371239
Nellen, B.
The slow proton trigger for the CERN OMEGA spectrometer. 368293
Total cross sections for charged-current neutrino and antineutrino interactions in BEBC in the energy range 20-200 GeV. 353945
Nelms, H.A.
Safety analysis report for packaging: the ORNL loop transport cask. (ORNL/ENG/TM – 11) 374035
Nelson, B.E.
Design of a three-meter, 7.5-TESLA superconducting segment test facility. (CONF-771029 – 109) 372082
Structural analysis of the large coil segment test. (CONF-771029 – 62) 371774
Nelson, C.A.
Color models of hadrons. 353811
Nelson, C.E.
Neutron spectra from deuteron and proton bombardment of thick lithium targets: potential for neutron therapy. 376246
Nelson, C.T.
Some potential reductions in the release of radioactivity under LMFBR accident conditions. (CONF-761001 – P4) 362984
Nelson, D.B.
Application of ideal MHD stability code Erato to high beta tokamak equilibria. (INIS-mf – 3963) 371819
Ballooning modes in tokamaks with finite shear. (INIS-mf – 3963) 371876
Macroscopic stability and β limits in the ELMO Bumpy Torus. (ORNL/TM – 5967) 377498
Theory of ballooning modes in tokamaks with finite shear. 366527
Nelson, D.C.
Development of National Waste Terminal Storage Program waste packaging criteria. 361124
Nelson, D.F.
Late effects of x-irradiation on the ability of mouse bone marrow to support hematopoiesis. 367507
Nelson, D.J.
Chemically induced dynamic electron polarization: examples of S-T/sub +1/ polarization. (CONF-7705101 – 1) 373099
Unstable intermediates. 367173
Nelson, D.R.
Universal jump in the superfluid density of two-dimensional superfluids. 372341
Nelson, I.C.
Plutonium in human lung in the Hanford environs. (BNWL-SA – 5855) 352065, 354864
Nelson, J.M.
^{3}He D-state effects in (d,^{3}He) reactions. 356865
Tensor analysing powers of (d,p) reactions on ^{28}Si, ^{67}Zn, ^{90}Zr and ^{208}Pb at 12.3 MeV. 377964
Nelson, L.S.
Molten LWR core material interactions with water and with concrete. (SAND – 77-1216C) 352215
Steam explosion triggering experiments with oxidized Corium-E simulants. (SAND – 77-1106C) 367780
Nelson, M.
Assessment of productivity at four generating plants. 363700
Nelson, M.A.
Technique for measuring optical fiber transmission using the time dispersion of Cerenkov radiation. 352429
Nelson, N.J.
Response of EMT-6 tumors to single fractions of x rays and cyclotron neutrons. 365357
Nelson, P.
Convergence results and asymptotic error estimates for Galerkin-type spectral synthesis. 374128
Nelson, R.A.
Reflood simulation study of the FLECHT-SET system using RELAP4/MOD6. 352207
Nelson, R.G.
Chemical decontamination and melt densification of chop-leach fuel hulls. 358479
Nelson, R.L.
Development work on superconducting coils for a large mirror fusion test facility (MFTF). (UCRL – 78891) 358929, 377378
Nelson, R.S.
Improvements in or relating to the storage of material. (UK patent document 1485266/A/) 361126
Ion plating – atomic processes occurring within the surface layers. 377254
The irradiation creep of nickel and AISI 321 stainless steel during 4 MeV proton bombardment. 360094
Irradiation-induced diffusion and re-solution phenomena in metals. 351894
The storage of inert gases in a metallic matrix by combined ion implantation and sputtering. 380074
Nelson, T.A.
Seismic analysis of the Nuclear Fuel Service Reprocessing Plant at West Valley, New York: documentation. (UCID – 17453) 359856
Nelson, V.A.
Radiological survey of plants, animals, and soil at Christmas Island and seven atolls in the Marshall Islands. Progress report for 1974 – 1975. (NVO – 269-32) 373443
Nelson, W.E.
Measurements of the temperatures and magnetic field dependence of electrical resistivity and thermal conductivity in OFHC copper. 373242
Nelyubov, A.A.
Mice mortality dependence on the parameters of the fractionated irradiation. 362677
Radiation injury to mice induced by fractionated irradiation. 376103
Nemade, B.I.
A polarographic study of methionine complexes of cadmium and indium. 367115
Polarographic study of methionine complexes of cadmium in mixed solvents. 367116
Nemanich, R.J.
Low-frequency inelastic light scattering from chalcogenide glasses and alloys. 365204
Optical probes of the lattice dynamics of graphite. (COO – 2126-38) 378790
Raman scattering from intercalated donor compounds of graphite. 360049
Nemanov, M.S.
Investigation and simulation of the corrosion-fatigue crack propagation kinetics. 375734
Nemashkalo, B.A.
Proton radiative capture in ^{58}Ni, ^{60}Ni, ^{61}Ni nuclei. (KFTI – 75-15) 362078
Nembach, E.
A new high-resolution, high-intensity apparatus for the study of Fermi surfaces of alloys by positron annihilation. 371598
Nemchenko, V.F.
Electrochemical decomposition of zirconium carbides in solutions of sulfuric acid. 378292
Nemchenko, V.P.
Molten iron-chromium-nickel alloy oxidation rates during deep decarbonization with argon-oxygen mixture. 375779
Nemec, H.W.
Investigations on radical formation and inactivation of suspended trypsin after γ-irradiation. 349704
Nemec, J.
The development of miniature sensors for in-core measurement. (ZJE – 198) 379902
Nemenov, L.L.
Calculation of the positronium beam intensity from electron accelerators. (JINR-R – 2-9565) 363863
Intensity oscillations in relativistic positronium beams and their application to test the special relativity theory. 348716
Nemes, M.C.
Scattering by a schematic potential landscape. 359429
Nemet, J.
The Austrian programme for the development of advanced HTR concepts and components. 379672
Increasing the operational safety of HTR plants. 370982
Nemets, O.F.
(d,^{6}Li) reaction on ^{12}C nuclei by 13.2 and 12.7 MeV deuterons MeV. 359485
Deuteron disintegration on heavy nuclei and allowance for neutron interaction in a final state . . 377886
Deuteron disintegration on lead isotopes. 377887
g-factors of the 2679 keV, 21/2sup(+) sup(107)Cd and 2737 keV, 27/2sup(+) sup(135)La three quasi-particle states. 378031
Study of the sub(27)Al(α, t)sup(28)Si reaction on 27,2 MeV α-particles. 377922
Nemets, V.M.
Method of spectral'isotopic determination of gases in solid substances. (Soviet patent document 423020/A/) 356939
Nemilov, Yu.A.
Scattering of the 4.7 MeV neutrons on Al and Fe. (INIS-mf – 3897) 356819
Nemirovskij, M.R.
On X-ray radiography for investigation to thin surface layers of iron base alloys. 373243
Studying hardening and structural transformations of steel 110G13 during friction. 373163
Nemirovskij, P.Eh.
After-heat and fragment capture cross-sections in thermal reactors.

379537
Nemkina, Eh.D.
Texture formation in metals with bcc lattice during drawing in dead rollers. 378633
Nemnonov, S.A.
Structure of energy bands of 3d-, 4d- and 5d transition metals according to the data on different spectra and modern calculations. 349503
X-ray emission K-spectra of vanadium in binary alloys with metals from beginning of the second and the third long transition periods. 373224
Nemodruk, A.A.
Some aspects of analysis of high purity copper. 372909
Nemoshkalenko, V.V.
Investigation into electronic structure of some transition metal silicides by the method of X-ray photoelectron spectroscopy. 378353
Structure of valent electron energy spectrum of niobium-silicon system compounds. 370009
X-ray spectra solid solutions of niobium-titanium- and molybdenum-titanium systems. 349504
X-ray spectrum investigation of the copper outer energetic band structure in the zirconium-copper alloy system. 354539
Nemoto, Masaaki
A bibliographic survey of bearings for nuclear reactors. (JAERI-M – 7015) 350140
A survey on gas-bearing circulators of high-temperature gas cooled reactors. (JAERI-M – 7214) 379695
Nemoto, Shin-ichi
Separation of alpha-nuclides from HLLW, (1). (PNCT – 831-76-01) 378480
Nemoto, Yoichi
Design and fabrication of MARK-II type reactor primary containment vessel for the Japan Atomic Power Company, Tokai No.2 Power Station. 350215
Reactor containment vessel. 360892
Nemov, V.V.
Magnetic field of helical current-carrying conductors on a torus with an arbitrary pitch of winding. (KFTI – 76-5) 358968
Rotational transformation for traps with 2- and 3-cut helical windings. (KFTI – 75-23) 361601
Nemtsev, V.A.
Experimental investigation of heat transfer in a once-through regenerator-evaporator with a chemically reacting coolant. 355126
Nenadovic, T.
Sputtering and the cones formation of Cu based alloys. 368742
Nenner, I.
Dissociation of energy selected ions by threshold photoelectron-photoion coincidence. 355881, 377028
Nenot, J.C.
Effects of particle size characteristics on the theoretical evolution of urinary and fecal excretion of inhaled plutonium. 354858
Nenov, N.
Investigation of the negative pion capture in deformed nuclei. (ZfK – 336) 364731
Nentwich, D.
Experience with education and training on the job. 352568
Seal for objects containing nuclear fuels. (German (F.R.) patent document 2355608/B/) 353011
Successful transfer of nuclear technology through scientific and technological co-operation. 371325
Nentwig, G.
Semi-conductor probe for eye carcinomas diagnosis. (INIS-mf – 4017) 374295
The semiconductor detector probe 72030, with the RFT radiation measuring unit 20026, for the diagnosis of intraocular tumors. 355500
Neogi, C.
A microwave study of heat treatment effects in ceramic CdS pellets. 375577
Neogy, A.
Analysis of the thermal variation of the magnetic properties of neodymium ethyl sulfate. 366446
Neogy, D.
Analysis of the thermal variation of the magnetic properties of neodymium ethyl sulfate. 366446
Neoh, S.K.
Vibrational relaxation in seeded supersonic alkali halide beams. 358782
Neplokhova, Z.V.
Geophysical exploration study of gas wells in Medvezh'e field. 349612
Nepomnyashchaya, N.A.
Extraction-spectrophotometric investigation into the lanthanum-chlorophosphonazo 3-diphenylguanidine system and its use for determination of lanthanum. 372901
Neretnieks, I.
Retardation of escaping nuclides from a final depository. (KBS-TR – 30) 376007
Nering, J.
Migma IV high energy fusion apparatus. 363220
Nerkar, D.P.
Radiation induced alterations in the endotoxin of S. typhimurium. 352018
Radiation processing for the control of Salmonella in frog legs. 349829
Nerlo-Pomorska, B.
High spin behavior of nuclei with proton number 40-60. 356648
Microscopic dynamic calculations of collective states in xenon and barium isotopes. 372658
Nerney, S.
Reexamination of two-fluid solar wind models. 359138
Nerney, S.F.
Solar polar coronal hole – a mathematical simulation. 364410
Nerodenko, L.M.
A new approach to the determination of activation energy of high temperature steady creep. 373238
Nerodenko, M.M.
Arc welding of vanadium alloys in helium with oxygen additions. 375780
Neronov, V.A.
Boride production methods. 367299
Boride structure and physico-chemical properties. 367298
Borides of the group 1 metals of the periodic system. 367300
Borides of the group 2 metals of the periodic system. 367301
Boron compounds with the odd subgroup elements. 367303
Transition metal borides. 367302
Nersesyan, M.D.
Combustion of transition metals in hydrogen. 357009
Neruda, J.
Method of phosphate glass production. (Czechoslovak patent document 156843/B/) 371079
Nerus, M.A.
Heat and electric conductivity of monolytic lanthanum hexaboride at high temperatures. 370099
Nervi, J.-C.
Nuclear reactor assembly. 355462
Nesbet, R.K.
Electron scattering resonances and threshold effects near $3^3\,{}^1S$ states of He. 377086
Experimental observations of the negative atomic nitrogen ion. 350630
Low-velocity stopping of heavy ions. 366916
Resonances, cusp effects and a virtual state in e^--He scattering near the n = 3 thresholds. 368684
Nesgovorov, V.V.
Determination of internal defects in VA type tungsten wire using torsion pendulum. 351789
Neshat, K.
Flux-depression factors for scattering and absorbing media. 374140
Neshpor, V.S.
Electrophysical properties of zirconium carbide. 370100
Heat and electric conductivity of monolytic lanthanum hexaboride at high temperatures. 370099
Thermal expansion of transition metal carbides of the fourth-sixth groups. 373295
Neshpor, Yu.I.
Observation results of the Cyg X-3 X-radiation source in superhigh energy range ($>10^{12}$ eV). 356230
Neskakis, A.
High-spin states and isomers in light transitional nuclei around N = 80. (ZfK – 336) 369495
High-spin states in heavy transitional nuclei around Hg. (ZfK – 336) 369492
Particle-hole symmetry observed in the angular distributions of γ-rays in $^{189\ 191\ 193}$Au. 354196
Nesmeyanov, A.N.
Iodine-127, bromine-79, chlorine-35 NQR spectra of diphenyl- and (p-chlorophenyl)phenylhalonium tetrafluoroborates. 359664
Reduction of α-oxo- and α-oxyderivatives of ferrocenophane by sodium borohydride in the presence of the Lewis acid (aluminium chloride or boron trifluoride). 349270
Reduction of double bond by molybdenum carbonyl. 359665
Sigma-methylcyclopentadienyl tricarbonyl manganese complexes of transition metals. 375526
Nesmeyanov, An.N.
Extraction of elements in the form of oxygen anions from alkaline solutions. 369737
Formate and carbonyl-formate complexes of ruthenium. 369596
Investigation into ruthenium (4) extraction by oxygen-containing solvents. 354356
On probabilities of bimolecular chemical reactions at high energies. 369782
Nesmeyanova, K.A.
Investigation into protective ability of oxide films on pearlite steel. 349505
Ness, N.F.
Magnetic field experiment for Voyagers 1 and 2. 374877
The magnetic field of Mercury. 369173
Nester, J.M.
Effect of gravitational interaction on classical fields: A Hamilton – Dirac analysis. 366275
Nester, K.
The atmospheric diffusion parameters in the environment of the Karlsruhe Nuclear Research Center. (KFK – 2499) 365322
Environmental impact of cooling towers of large nuclear power plants. (KFK – 2435) 357802
Theoretical and experimental investigations of the atmospheric diffusion of radioactive gases and aerosols and of the probabilistic radiation doses around nuclear plants due to accidental activity releases. (KFK – 2435) 357760
Nesterenko, A.A.
Cold-rolled sheets production of stainless martensito-ageing steel smelted by vacuum arc and electroslag techniques. 349412
Nesterenko, A.F.
Co-adsorption of tertbutyl amine and tertbutanol and its effect on rate of cadmium deposition on amalgam dropping electrode. 378354

Nesterenko, B.B.
Basic performance problems and prospects for 1200-1500MW gas-cooled fast reactors with dissociating coolant. 365981
Nesterenko, V.B.
Calculation of heat and mass transfer in chemically reacting turbulent flow in a tube. (INIS-mf – 3953) 379434
Experimental investigation of heat transfer in a once-through regenerator-evaporator with a chemically reacting coolant. 355126
Improvements in or relating to power plant coolant. (UK patent document 1489171/A/) 365815
Investigation of the buildup kinetics of molecular nitrogen, N_2 and nitrogen monoxide N_2O in the $2NO_2$ reversible $2NO+O_2$ system depending on pressure. 365221
Numerical study of heat and mass transfer in N_2O_4 turbulent flow in a circular tube and a fuel element cluster. (INIS-mf – 3953) 379436
Physical and technical aspects of nuclear and chemical safety of nuclear power stations with N_2O_4 gas-cooled fast reactors. 371042
Nesterenko, V.S.
Fast coincidence circuit. 358416
Logic device for the three-dimensional analysis of the (n, 2n) nuclear reaction. (FEI – 542) 358432
Measurement of prompt neutron spectrum in spontaneous fission of ^{252}Cf. (INIS-mf – 3896) 356810
Nanosecond ion pulse production at the FEI EGP-10M charge-exchange electrostatic accelerator. (FEI – 680) 376365
Neutron spectra of ^{252}Cf spontaneous fission in the energy range from 0,5 to 7 MeV. (FEI – 575) 349143
Nesterenko, V.V.
Bremsstrahlung approximation for inclusive processes. 348606
Relativistic string dynamics and its connection with hadron physics. (JINR-D – 2-9788) 374548
Relativistic string with massive ends. 368521
Nesterov, A.I.
Canonical formulation of the gravitation theory and general covariant splitting of space and time. 368568
Nesterov, N.S.
Rapid fluctuations of radio flux and polarisation in quasar 3C273. 351004
Nesterov, V.E.
An acceleration evaluation of the performance of the Soviet-French wide-gap spark chamber for gamma-ray astronomy. 368266
Nesterov, V.K.
Study of the state of water in Y type zeolites. 354340
Nesterova, L.A.
Basic yttrium and lanthanum fluorides. 375566
Study of aluminium and scandium hydroxofluorides by the method of nuclear magnetic resonance. 362186
Nesterova, N.M.
Characteristics of cosmic hadron interactions. 361721
Energy of electron-photon and hadron components near extensive air shower axis on the altitude of 3330 m above sea-level. 362600
Energy spectrum of primary cosmic radiation in the energy range from 10^{13} to 10^{16} eV. 361706
Nesterova, N.P.
Americium extraction by vinylene diphosphine dioxides. 378489
Nesterova, N.V.
Pilot-industrial production of radiation-modified thermal-shrinkaged "Termoplen" film. (INIS-mf – 4194) 376283
Nesticka, E.
The results of measurements and evaluation on experimental G-type and S-type elements. 350246
Nestler, J.
Method to reduce the gas content of liquid steel by means of gamma radiation. (German (F.R.) patent document 2065033/C/) 367339
Nestor, C.W. Jr.
Comparison of experimental and theoretical binding and transition energies in the actinide region. (CONF-770579 – 2) 362077
Nestorov, G.T.
Signal variations of LF radio-waves over the sunspot cycle. 354717
Nesumi, N.
Repair of potentially lethal radiation damage in a spontaneous animal tumour in vivo. 379046
Neta, P.
Reactions of phosphate radicals with organic compounds. 351643
Spectrophotometric study of the radicals produced by the reduction of syn- and anti-azobenzene. 378537
Netchev, Christo
The significance of liver in metabolism of plutonium 239. 354865
Netecha, M.E.
Hybrid thermonuclear reactor for fissile material production. (INIS-mf – 3954) 361552
Netherton, L.T.
Carbon-14 kinetic isotope effect study of the Wolff rearrangement of p-substituted diazoacetophenones-1-^{14}C in tert-butanol at 30^0 with silver benzoate in triethylamine as catalyst. 378355
Neto, A.D.
The electromagnetic emission from Sco X-1. 353680
Netrawali, M.S.
Changes in amino acid composition of proteins in gamma-irradiated Tetrahymena pyriformis cells. 367467
Effect of whole-body X-irradiation on rat liver protein synthesis at translational level. 367485
Netsch, E.
Feed water pre-heater with two steam spaces. 352481
Feedwater preheater with two steam chambers. (German (F.R.) patent document 2458471/C/) 350148
Feedwater preheater with two steam spaces. (German (F.R.) patent document 2458437/C/) 350136, 350149
Netzel, D.A.
Nuclear spin relaxation spectroscopy. 363911
Netzer, H.
On the profiles of the broad lines in the spectra of QSOs and Seyfert galaxies. 359139
Neubauer, F.M.
Fast magnetic fluctuations in the solar wind: Helios 1. 359140
Magnetic field experiment for Voyagers 1 and 2. 374877
Neubauer, M.
A comparison of methods for the measurement and calculation of total renal clearance. (INIS-mf – 4010) 370453
Neubauer, W.
Investigations for simplifying burn-up calculations. (IKE – 6-108) 376416
Neuber, J.
Properties of excited states in ^{102}Pd. 372785
Neubert, W.
High-spin selectivity of (HI,xn) reactions. (ZfK – 336) 366998
The neutron-proton final-state interaction in proton-induced deuteron break-up at 8.5 MeV. 372760
Neuburg, H.J.
Girdler-sulfide process physical properties. (AECL – 5702) 359666
Neudachin, V.G.
Exclusion of occupied states in the Faddeev equations for three composite particles. 348598
Neudatchin, V.G.
On the study of the double Fourier transforms of the electron wave functions for atoms, molecules, and solids using the (γ,2e) and (e,3e) processes at high energies. 353317, 366360
Neuer, G.
Thermal conductivity of plasma-sprayed molybdenum. (IKE – 5-204) 349448
Neuert, H.
Yield and production of ^{18}F by ^{3}He irradiation of water. 357860
Neufeld, C.R.
Spectroscopic measurements on a high-density Z-pinch plasma. 366596
Neufeld, J.
Microdosimetry, biological modeling, and theoretical biophysics. (ORNL – 5171) 366918
Neufeld, P.
Liquid – vapor isotope fractionation factors in argon – krypton binary mixtures. 369659
Liquid-vapor isotope fractionation factors in argon – krypton binary mixtures. (COO – 3498-31) 362192
Neuffer, D.B.
Calculation of parity violating effects in the 6^2P/sub 1/2/-7^2P/sub 1/2/ forbidden M1 transition in thallium. (LBL – 6237) 351184
Neuffer, D.V.
Calculation of parity-nonconserving effects in the 6 ^{2}P/sub 1/2/-7 ^{2}P/sub 1/2/ forbidden M1 transition in thallium. 358796
Neugart, R.
Nuclear spins of ^{76}Rb and ^{119}Cs by β radiation detected optical pumping. 375174
Neugebauer, G.
Entropy and gravitation. 368571
Infrared studies of star formation. 361750
One-millimeter observations of the Crab nebula. 361751
Neuhauser, J.
The influence of anisotropic ion pressure on non-symmetric toroidal high-beta equilibria. (INIS-mf – 3963) 371964
Neuhauser, K.S.
Recent developments in Sandia Laboratories' sewage sludge irradiation program. (INIS-mf – 4220) 379412
Recent developments in the Sandia Laboratories' sewage sludge irradiation program. (SAND – 77-1411) 379413
Neujmin, A.D.
Investigation of electric conductivity of solid electrolytes of ZrO_2 + Sc_2O_3 and ZrO_2 + Y_2O_3 containing additions of iron oxide or chromium oxide. (INIS-mf – 4189) 375474
Physicochemical properties of solid electrolytes based on rare earth oxides. (INIS-mf – 4189) 375527
Neumaier, F.
Annual report 1975. (GSF-R – 132) 349668
Neuman, C.H.
Neutron absorption and oxygen log for measuring hydrocarbon fluid content of formation. 357488
Neuman, M.R.
Fast flux test facility major component testing experience and plant construction experience. 379841
Neumann, E.
Performance of different ultrasonic testing techniques of austenitic welds with natural flaws. 376394
Ultrasonic testing of austenitic components of sodium cooled fast reactors. (IWGFR – 10) 363401
Neumann, G.
Device to measure the shear deformations in layers of adhesive substances. (German (F.R.) patent document 2435068/B/) 376391
Functional scintigraphy of left ventricle contractions. (INIS-mf – 4010) 367690
Neumann, G.M.
Aerosol filter casing with stretching device for the installation of filter cells for air cleaning of toxic or radioactive dusts or gases. (German (F.R.) patent document 2215193/C/) 355153
Equipment for exchanging mechanical filter units in cleaning of filter walls used in cleaning air or gas, accessible in a channel,

particularly for nuclear plant. (German (F.R.) patent document 2419150/C/) 367934
Neumann, H.
Investigation of diffraction dissociation in single pion production reactions in nucleon-nucleon collisions at 12 GeV/c. (BONN-HE - 75-1) 366881
Neumann, J.
Experimental study of the combined utilization of nuclear power heating plants for big towns and industrial complexes. 371240
Neumann, L.
Analysis of normalized-characteristic curves and determination of the granulometric state of dissolved uranium dioxides. 367149
The correlation between composition, structure and properties of high-level waste solidification products. 368378
Neumann, M.
Mass flow measurement with an infrared absorption measuring unit in the MARVIKEN-II blowdown experiments. 370876
Neumann, U.
Lifetimes of the yrast states of even Ce isotopes. 372766
Neumayr, A.
Investigation of disorders of the upper abdomen with gallium 67. (INIS-mf - 4010) 370480
Spleno-porto-scintigraphy. (INIS-mf - 4010) 367631
Neumeister, K.
A basis for applying hypoxic hypoxia for optimizing radiotherapy. Information based on animal tests. 379032
Methods of establishing limits on discharge to the environment of radioactive material emerging from the fuel cycle. 367820
Some questions of carcinogenesis and leukemogenesis after diagnostic or therapeutic application of ionizing radiation. 349764
The system of training and further education in radiation protection in the GDR. 355680
Neumueller, H.
Enhancement of the superconducting critical temperature Tsub(c) of niobium by radiation damage. 354618
Study of damage rate decrease of lead irradiated with 25 MeV oxygen ions at 7.2 K. 370175
Neupauer, H.
SIMOVERT intermediary circuit inverters for the enrichment of uranium with gas ultra centrifuges. 371256
Neupert, W.M.
On coronal Fe abundances and temperatures from XUV emission lines. 353704
Neusser, P.
Studies for a comparison of the maximum possible consequences of accidents in a reprocessing plant and a nuclear power station. 351684
Neuwirt, J.
Effect of hydroxyurea and vinblastine on the proliferation of the pluripotential stem cells. 367506
Nevejans, D.
Mass spectrometric measurement of the positive ion composition in the stratosphere. 376039
Nevel, C.J. Van
Determination of rumen microbial growth in vitro form ^{32}P-labelled phosphate incorporation. 352152
Neveu, A.
Semiclassical quantization methods in field theory. 361833
Neville, A.C.
Nonaqueous reductive lanthanide chemistry. I. Reaction of lanthanide atoms with 1,3-butadienes. 378259
Nevin, J.
The precipitation of point defects near grown-in dislocations during neutron irradiation. 370168
Nevinnaya, A.P.
Antitissue antibodies in the serum fractions of intact and irradiated animals. 362678
Nevinnyj, Yu.A.
Electric prism. (Soviet patent document 441610/A/) 355608
Nevissi, A.
Radon daughters and fission products as atmospheric tracers. (CONF-741003 -) 370290
Nevostruev, V.A.
Mechanism of accelerating effects of aluminium oxide and thallium (3) oxide on potassium nitrate and potassium perchlorate radiolysis. 369802
Nevsky, P.L.
Direct muon production in proton-nucleus collisions at 70, 50 and 35 GeV. 353942
Nevzorov, A.A.
Ion beam alignment in the MSX-4 mass spectrometer. 371156
Newberger, B.S.
Computer-generated interferograms to characterize microballoons. (LA - 6864-MS) 350911
Relativistic electron beam cyclotron wave growth in helical slow wave structures. (LA-UR - 77-2205) 374061
Newburgh, R.G.
Comment on Marinov's light velocity experiment. 376930
Newby-Fraser, A.R.
Another U card in hand. 367381
Newcombe, H.B.
Public health aspects of radiation. (AECL - 5800) 360291
Newham, P.
Partial-wave analysis of $K^-p \rightarrow \pi^0 A(1520)$ between 1710 and 2170 MeV c.m. energy including new data between 1775 and 1960. 372507
Newkirk, L.R.
Thermal expansivity of Nb_3Ge. 369963
Newkome, G.R.
Radical production form the interaction of closed-shell molecules. 4. 1,4-diradicals and the isotope effects on the spontaneous polymerization of pentafluorostyrene. 364988
Newland, G.C.
Coating substances to be hardened by irradiation. (German (F.R.) patent document 2618456/A/) 354449
Newman, D.F.
Evaluation of temperature coefficients of reactivity for ^{233}U - thorium fueled HTGR lattices. Final report. (EPRI-NP - 222) 352697
Newman, E.
Cross sections for gamma-ray production by fast neutrons for 22 elements between Z = 3 and Z = 82. 356745
H space - the manifold of complex asymptotically shear free light cones. 355811
Newman, L.
Silver-110 microgram sulfate analysis for the short time resolution of ambient levels of sulfur aerosol. 364866
Newman, M.E.
Factors influencing insulin and glucagon secretion in lean and genetically obese mice. 352153
Newman, M.J.
Constraints on the gravitational constant at large distances. 363817
Encounters between stars and dense interstellar clouds. 359170
Newman, R.C.
An optical study of irradiation damage in germanium. 370140
Newman, R.N.
Corrosion of steels in molten sodium hydroxide. (CONF-760503 - P2) 352773
Fundamental studies of the mechanism of sodium combustion. (CONF-760503 - P2) 352267
Newnam, B.E.
Use of non-quarter-wave designs to increase the damage resistance of reflectors at 532 and 1064 nanometers. (LA-UR - 77-2529) 371864
Newsom, C.R.
nD scattering at 180° for neutron energies from 200 to 800 MeV. (LA-UR - 77-1938) 361876, 369358
Newson, H.W.
Neutron spectra from deuteron and proton bombardment of thick lithium targets: potential for neutron therapy. 376246
Newton, C.E.
Performance tests of the ORGDP radiation detection instruments. (Y/DD - 215) 379924
Newton, D.
The caesium-137 content of man related to fallout in rain, 1957-76. 351960
A 480-channel lead glass Cherenkov detector. 355498
Newton, G.
Proposed method for an improved measurement of the (n = 2) Lamb shift in atomic hydrogen. 348637
Newton, G.J.
Charge distribution on plutonium-containing aerosols produced in mixed-oxide reactor fuel fabrication and the laboratory. (LF - 56) 365461
Development of a five-stage, round jet, virtual cascade impactor. (LF - 56) 365617
Fabrication and use of krypton-85 aerosol discharge devices. (LF - 56) 365338
Field characterization of plutonium aerosols in mixed-oxide fuel fabrication. (LF - 56) 365450
In vitro phagocytosis of respirable sized monodisperse particles by rabbit alveolar macrophages. (LF - 56) 362727
Radiation dose patterns from ^{106}Ru aerosols inhaled by Syrian hamsters. II. Retention and tissue distribution. (LF - 56) 365452
Sampling equipment and procedures used in field characterization of industrial plutonium aerosols. (LF - 56) 365337
Solubility of plutonium dioxide aerosols, in vitro. (LF - 56) 365451
Newton, J.O.
The average moment of inertia of collective bands in the Yrast region at very high spin. (ANU-P - 688) 356844
Determination of γ softness in ^{192} ^{194} ^{196}Pt from Coulomb excitation with ^{136}Xe projectiles. 364800
Experimental study of Yb nuclei at high angular momentum. 356883
Further evidence for resonance anomalies in the $^{12}C + ^{16}O$ system. (ANU-P - 673) 356724, 356725
Yrast cascades in sup(174,175)W and ^{161}Yb and a possible dipole component. (ANU-P - 687) 356845
Newton, K.
Neutral hydrogen in the outer regions of M31. 359141
Newton, L.M.
Cyanodiacetylene in W Hydrae. 349014
Newton, M.D.
Ab initio studies of the hydrated H_3O^+ ion. II. The energetics of proton motion in higher hydrates (n=3 - 5). 369803
Newton, W.A.
Production and decay of the F^- centre in KCl studied by pulse radiolysis. 369778
Nexsen, W.E. Jr.
Multi-channel neutral analyzer-system. (UCID - 17584) 377499
Ney, P.
Computer assisted multielement analysis of terrestrial and extraterrestrial materials and studies on long-lived cosmogenic ^{53}Mn by neutron activation. 378095
Ney, R.
Non linear sounding of the ionospheric plasma. 373462
Neylan, A.J.
Prestressed concrete reactor vessels. 379556

Neynaber, R.H.
Chemi-ionization in collisions of metastable helium with metastable neon. 368685
Penning and associative ionization in the Ar*-Na system. 353318
Nezhinskij, E.M.
Velocity dispersion and the ω Cen globular cluster mass. 374939
Nezrick, F.A.
Ratio of neutral-current to charged-current cross sections for inclusive neutrino interactions in hydrogen. 351220
Scaling variable distributions for antineutrino-nucleon scattering in the 15-fT bubble chamber at FERMILAB. 353986
Ng, C.Y.
Photoionization of dimeric polyatomic molecules: Proton affinities of H_2O and HF. 366239
Ng, J.N.
Characteristics of charged-lepton spectra from a neutrino-produced sequential heavy lepton. 359300
Ng, M.C.
Role of oxygen in enhancement in repair of radiation injuries in Tribolium. 362679
Ng, Wing-Chin
Finite field equation for asymptotically free phi⁴ theory. (BONN-HE – 77-26) 366247
Ng, Y.C.
Transfer coefficients for the prediction of the dose to man via the forage-cow-milk pathway from radionuclides released to the biosphere. (UCRL – 51939) 373618
Ng, Y.J.
Pair creation by photon-photon scattering in a strong magnetic field. 359301
Regularization of the stress-energy tensor for vector and scalar particles propagating in a general background metric. 358629
Ngai, K.L.
Dynamic instabilities in high-T/sub c/ superconductors. 359209
Local lattice instabilities in the A-15's. 359213
Structural instabilities and superconductivity in the alkali tungsten bronzes. 368856
Ngan, D.Y.K.
High temperature low pressure molecular beam study on the reaction of polycrystalline molybdenum with chlorine and oxygen. 367182
Ngan, Y.C.
Mode conversion and tunneling in an inhomogeneous plasma. 364233
Ngo, C.
Fusion and deep inelastic collisions studied on the Ar+Au system. Pt. 1. 359510
Neutron-multiplicity in deep inelastic collisions: 365 MeV Cu+Au system. 356855
Statistical fluctuations and the double differential cross section for energy and angle in deep inelastic reactions. 375101
Ngo, T.T.
A sensitive radiometric assay for cysteic acid decarboxylase activity in crude enzyme preparations of rat liver and brain. 352176
Nguen Fuk
Binary-decade reversible counter in the CAMAC standard. 376727
Binary-decimal reversible counter in the CAMAC standard. (JINR – 10-8960) 374379
CAMAC controller for the multipurpose driver with the ES-1010 computer. (JINR – 10-8971) 368347
CAMAC crate controller for the connection of the TRA-i computer by means of a programming channel. 361081
Control module and module for priority set-up for the CAMAC universal branch driver. 376726
Manual control unit for the universal driver in the CAMAC standard. (JINR – 10-8959) 374380
Module for the EC-1010 computer control of the CAMAC universal driver. 376728
Module for the organization of a branch of the universal branch driver in the CAMAC standard. 376725
Nguen Khak Tkhi
CAMAC crate controller for the connection of the TRA-i computer by means of a programming channel. 361081
Nguen Man' Shat
Converter of a binary code into a binary-decimal one. 371183
Nguen Min' Kao
CAMAC crate controller for the connection of the TRA-i computer by means of a programming channel. 361081
Hydrogen streamer chamber with localizing admixtures. (JINR-R – 13-9713) 368303
Localization of charged particle tracks in a self-shunting helium streamer chamber. 379868
Nguen Suan Khan
Bremsstrahlung approximation for inclusive processes. 348606
Nguen Tkhi N'yung
Investigation of mixed cadmium complexes with thiourea and bromine ion in aqueous-methanol solutions. 378356
Nguen V'et Zung
The A-1 type crate controller in the CAMAK standard. 363608
CAMAC controller for the multipurpose driver with the ES-1010 computer. (JINR – 10-8971) 368347
CAMAC crate controller for the connection of the TRA-i computer by means of a programming channel. 361081
IKR-10 interface device for switching on to programming channel of the ES 1010 computer. (JINR – 10-9019) 358437
Module for the EC-1010 computer control of the CAMAC universal driver. 376728
Nguyen Du
Kinetic of grain growth in austenitic structures (Cr=16%wt, Ni=14%wt) for different carbon content after rolling. 354540
Nguyen-Khac, U.
Search for strangeness changing neutral currents induced by neutrinos in GARGAMELLE. 361875
Nguyen Van Giai
Particle-hole calculation of the isobaric analog and isovector monopole resonances. (IPNO-TH – 77-36) 359374
Self-consistent methods in nuclear theory. (IPNO-TH – 77-40) 359430
Nguyen, H.
Impact parameter analysis of the reaction $\pi^- p \rightarrow p\pi^+\pi^-\pi^-$ at 9 and 12 GeV/c with very fast secondary proton. 356510
Nguyen, H.K.
D meson production and decay in e⁺e⁻ annihilation at 4.03 and 4.41 GeV c.m. energy. 353989
K⁰ production in e⁺e⁻ annihilation. 353983
Properties of the proposed tau charged lepton. 356517
A search for neutral heavy leptons. 356514
Spin analysis of charmed mesons produced in e⁺e⁻ annihilation. 351228
A study of πsup(+), πsup(-) and proton production in pp interactions at 69 GeV/c. 361867
Nguyen, N.D.
Radioactivation methods. ch. 5. 373414
Nguyen, T.-K.
Recent results in the lower-hybrid heating of the Wega device. (INIS-mf – 3963) 372085
Nguyen, T.D.
Relative reaction rates in rotational and vibrational excitation of Nsub(2)(Csup(3)PIsub(u)) by $Ar^*(^3P_0)$ and $Ar^*(^3P_2)$ metastable atoms. 353347
Nguyen, T.Q.
Luminescence following laser excitation of trapped electrons in mixed-solute aqueous glasses. 367174
Nguyen, V.K.
Effect of current peaking on non-circular uniaxial tokamak equilibria. 348883
Nguyen, V.N.
Magnetic structures of PrSi and NdSi intermetallic alloys. 349506
Nibhanupudy, J.R.
Radiation from the uranium collimators of the Varian 4-MeV accelerator. 374074
Nicak, A.
Age dependent sup(99m)Tc-Sn-oxytetracycline uptake by the rat myocardium after isoprenaline administration. 373677
NiCastro, J.
Safeguards technology transfer to developing countries. 353005
Nichipor, G.V.
Investigation of the buildup kinetics of molecular nitrogen, N_2 and nitrogen monoxide N_2O in the $2NO_2$ reversible $2NO+O_2$ system depending on pressure. 365221
Nichiporov, F.G.
On participation of unsolvated electron in chemical reactions in alcohol solutions. 369735
Nichitiu, F.
The πHe^3H^3 coupling constant estimation using the Chew-Low equation. 356624
Rational-fraction approximations for continuation of the differential cross-section into the nonphysical region. 353770
Nichkov, I.F.
Densification of porous beryllium during sintering. 375919
Diffusion coefficients of cadmium ions and anode behaviour of cadmium and cadmium-zinc alloys in halogenide melts of alkali metals. (INIS-mf – 4189) 375603
Effect of chlorine and beryllium on the NaCl-$BeCl_2$ system properties. (INIS-mf – 4193) 375521
Interaction of atoms of metals in phases of binary chloride systems. 378311
The interaction of Zn-La, Zn-Al-La molten alloys with salt melted mixtures containing zinc chloride. 375599
On atom interactions in zirconium-alloy phases. 359945
On nature of bond in intermediate phases beryllium-metal alloys. 365159
Polarization of aluminium cathode in cerium-containing melts. (INIS-mf – 4189) 375483
Reaction of liquid zinc base uranium-containing alloys with salt molten mixtures. (INIS-mf – 4193) 375738
Thermodynamic properties of dilute Ce-Sb solutions. 375910
Thermodynamic properties of liquid thorium alloys with lead. 378711
Thermodynamic properties of molten Th-Sn alloys. 373213
Nichol, J.M.
Evaluation of crosslinking and scission yields in the degradation of polystyrene by γ-irradiation in air. 378538
Nicholas, D.J.
Implosion and compression of gas filled microballoons. (RL – 77-122-B) 364211
Nicholls, R.W.
Solar nuclear waste disposal. 352879
Nichols, C.E.
National Uranium Resource Evaluation program. Uranium geochemical survey in the Crystal City and Beeville Quadrangles, Texas. 365284
A new approach for geochemical surveys of large areas for uranium resource potential. 365251
Nichols, F.A.
In-pile intragranular densification of oxide fuels (AWBA Development Program). (WAPD-TM – 1293) 379754
Nichols, J.O.
Six phase rectifier digital computer simulation. (WFPS-TME – 009) 366599

Nichols, J.T.
Airborne elemental iodine loading capacities of metal zeolites and a method for recycling silver zeolite. (ICP – 1119) 366084
Nichols, R.
Carbohydrate metabolism in Agaricus bisporus (Lange) Imbach: metabolism of [^{14}C] labelled sugars by sporophores and mycelium. 362730
Nichols, R.W.
Acoustic emission. 360751
Nicholson, P.
Revenge of tiny Miranda. 356241
Nickel, D.
Regional left ventricular motion in coronary heart disease. (INIS-mf – 4010) 362834
Nickel, F.
Range and range straggling of heavy ions in solids. 364774
Nickel, H.
Coated particle fuels. 365918, 365939
Development of materials for gas-cooled high temperature reactors for generating nuclear process heat. 354541
Fundamentals on the agglomerate model and its relation to the physical properties of pyrocarbon. 379689
Influence of porosity on the irradiation performance of pyrocarbon coatings. 365931
Material development for gas-cooled high temperature reactors for the production of nuclear process heat. (Juel – 1413) 358260
Measuring variables and errors of the quantitative image analysis. (Juel – 1411) 355237
Oxidation treatment of pyrolytically deposited β-SiC in an atmosphere of CO-CO_2 gas mixtures. 373292
Phase investigations of the U-Nb-C and U-Ce-C systems. (Juel – 1432) 357372
Pyrocarbon deposition from the gas-phase. (Juel – 1417) 354599
Quality control procedures for HTGR fuel element components. 376538
Quantitative chemical method for the determination of the disordered carbon component in pyrocarbon coatings of fuel particles. 364927
Siliconcarbide as a protective coat on grafitic materials for the HTR. (Juel – 1422) 354582
Study of the structure of pyrocarbon coatings of fuel particles by transmission electron microscopy. (Juel – 1309) 354600
The transport mechanism DC arcs in advanced spectroanalysis. (Juel – 1449) 375520
Use of laser-micro-emission-spectroscopy for local determination of impurities in graphite reactor materials. (Juel – 1439) 367049
Nickel, M.
Elimination of flow-rate fluctuations in the core of the FRJ-2 research reactor and its usefulness for reactor operation. 363542
Nickell, R.E.
Creep fatigue damage under multiaxial conditions. (SAND – 77-0296c) 363112
Nickels, L.E.
ORMAK upgrade ohmic coil generator protection. (ORNL/TM – 6079) 377369
Nickerson, G.M.
Behavior of carbide fuel in local and whole core accidents. (CONF-761001 – P3) 365987
Safety aspects of carbide irradiations in FTR driver positions. 379288
Nickerson, R.A.
A compact beryllium target for production of fast neutrons. 355196
Rotating target neutron generators. 355173
Nickl, J.
Surface composition of annealed Co-Ni, and Cu-Ni alloys and composition changes caused by sputtering. 368791
Nickl, J.J.
Optical properties of TiN and ZrN. 364109
Nicklas, J.H.
Core and fuel at the NBSR. 358321
Nickles, J.R.
Preliminary clinical imaging studies with ^{18}F-5-fluorouracil. (INIS-mf – 4010) 357627
Nickles, R.J.
Comparison of ^{133}Xe and $^{13}N_2$ ventilation studies. (INIS-mf – 4010) 370409
A duel head Anger camera system for the imaging of positron emitting radionuclides. (INIS-mf – 4010) 358387
Nickola, P.W.
Hanford 67-series: a volume of atmospheric field diffusion measurements. (PNL – 2433) 378936
Nicodemi, F.
Xi-function regularization of the quantum fluctuations around the Yang-Mills pseudoparticle. 371354
Zeta-function regularization of the quantum fluctuations around the Yang-Mills pseudoparticle. (NBI-HE – 77-26) 353056
Nicol, M.J.
The anodic dissolution of uranium dioxide. 365030
Kinetics of dissolution of β-uranium trioxide in acid and carbonate solutions. 357115
Nicolae, M.
Electron beam dosimetry by induced fluorescence in irradiated cellulose triacetate films. 358350
Nicolai, A.
Transport code calculations concerning the plasma parameters in the scrape off layer of a poloidal limiter in a tokamak. (INIS-mf – 3963) 371965
Nicolai, H.
Extensions of supersymmetric spin systems. 363819
Nicolaides, C.A.
The continuum and its effect on cascades in beam foil spectroscopy. 355908
The variational calculation of energies and widths of resonances. 376931
Nicolaidis, A.
Generalized vector-dominance model for lepton production at large transverse momenta. 369274
Nicolas, A.
Design and development of a high-power, 500 kV pulsed line. (SAND – 77-6018) 374020
Nicolas, K.R.
Solar EUV emission line profiles of Si II and Si III and their center to limb variations. 372227
Nicolas, Michel
Tomato volatile components: enzymatic formation of trans-2-hexenal. 354959
Nicolas, P.
Measurement of fission neutron spectra of the U^{235} and U^{238} fission induced by 0.6 and 7 MeV neutrons. (INIS-mf – 3896) 356710
Nicolau, A.T.
Dielectric anisotropy of the gypsum in the microwave domain. 378357
Nicole, D.A.
Nonlinear chiral models and many-dimensional solitons. 359227
Soliton solutions to chiral SU(3) x SU(3) models. 356449
Nicole, P.P.
Absorption cross sections at high energies. Scattered light corrections and results for ethane from 22 to 58 eV. (ANL – 76-88(Pt.1)) 361385
Nicolescu, B.
Baryonium mass spectrum in a planar bootstrap model. 369264
Problems in the phenomenological analysis of cross-section difference sigmasub(pp)-sigmasub(pn) and sigmasub(antiproton proton)-sigmasub(antiproton neutron). 361919
Real parts of hadron amplitudes from 3-universality. 359271
Nicolosi, P.
Satellite spectra from laser-produced plasmas of Be, B, C, N, and O in H-like and Li-like configurations. 350662
Niczyporuk, B.
A measurement of the electromagnetic size of the pion from direct elastic pion scattering data at 50 GeV/c. 353922
Niebel, H.
Dynamic behaviour of the KNK-II core on operation. 371023
Plant behaviour during operational transients. 376573
Niecke, M.
Angular distributions of neutron polarization from the $^{14}C(p,n)^{14}N$ and $^{11}B(\alpha,n)^{14}N$ reactions and R-matrix analysis of ^{15}N in the excitation-energy range between 11.5 and 12.5 MeV. 356846
Nieder, R.
Method for the removal of tritium from gas-cooled nuclear reactors, with the exception of reactors cooled with carbon dioxide. (German (F.R.) patent document 2237506/C/) 368179
Nitrogen reactions in the primary circuit of a HTR reactor. 369758
Operational experience with the AVR high-temperature reactor at a gas outlet temperature of 950°C. 358261
Niederer, J.
How can different prescribed doses give the same recurrence rate. 360540
Niederlag, W.
Use of X-ray primary analysis in the study of mineral and oxidic substances. 354304
Niederstetter, H.
HAW end product binding according to the PAMELA solidification process. 371198
Niedrig, H.
Principles of electron backscattering by solids and thin films. (AED-Conf – 77-283-004) 356552
Niedzielski, J.
The effect of reactant purity on the radiolysis of gaseous ethane and propane. 357149
Niegoth, W.
Dosimetry of ionizing radiation by measuring thermally stimulated currents in irradiated high polymers. 374363
Nieh, H.T.
Semileptonic decays of charmed mesons produced in electron-positron annihilation. 359233
Niehaus, F.
Cost effectiveness of remote nuclear reactor siting. 362985
The future of the world energy system. 376816
Risk estimation, evaluation, and management. 352324
Niehus, H.
Recoil spectroscopy of oxygen on W(100). 370026
Niel, M.
A 1m^2 gamma ray spark chamber telescope for the energy range 10-100 MeV. 379929
Nield, K.
Measurements of the total cross-section difference and the parameter Csub(LL) in pp scattering with longitudinally polarized beam and target. 356485
Suggestion for a dibaryon resonance in the pp system. 356426
Nielsen, A.
Implications of detected flaws – Danish viewpoints. (IAEA – 189) 360819
Nielsen, C.H.
In-situ field-ion microscope study of the recovery behavior of heavy metal ion-irradiated tungsten, tungsten (rhenium) alloys and molybdenum. (COO – 3158-60) 378808

Nielsen, G.J.
Channeling technique in surface studies. 368744
Nielsen, H.
Baryon decays and SU(3) breaking. 366846
Channelling effects for 15 GeV/c negative pions. 377798
Energy loss of 2-15 GeV/c particles in Si and Ge single crystals with a comparison to existing theory. (INIS-mf – 3996) 364005
Nielsen, H.B.
Hadron production from a boiling quark soup. 353769
High psub(transverse)-jet structure and tunneling effects in quark pair production by dual-string splitting. (NBI-HE – 78-3) 377709
Nielsen, H.H.
RELAP4 pre-test predictions for the LOFT transient (blowdown) DNB tests in the Columbia University test loop. (LTR – 20-65) 374282
Nielsen, H.L.
Evidence against anomalous epsilon/β^+ ratios in the β decay of ^{145}Gd. 359491
Radiation damage studies on implanted Te, Sb, and Sn in semiconductors by means of Moessbauer spectroscopy. 370243
Nielsen, J.
Archaeological reconnaissance of a proposed site for the Waste Isolation Plant (WIPP). (SAND – 77-7024) 380007
Nielsen, K.O.
Channeling of protons, pions and deuterons in the GeV region. 353418
Nielsen, M.
Study of the reaction ^{55}Mn (γ, 3n) ^{52}Mn up to 46 MeV. 354245
Nielsen, M.L.
Chole-scintigraphy with sup(99m)Tc-diethylacetanilido-iminodiacetate. (INIS-mf – 4010) 370488
Nielsen, N.K.
Axial anomaly and Atiyah-Singer theorem. 353125
Classical anomalies and local version of the Atiyah-Singer theorem. 355812
Nielsen, P.
Long distance transmission of heat from nuclear power stations. 376803
Nielsen, P.E.
Oblique views in lung perfusion scanning: clinical utility and limitations. 373678
Nielsen, S.E.
Energy levels and transition probabilities in Mo XIV. 366329
Excitation cross sections and polarization of impact radiation in Be^+-Mg^+ – He-Ne high-energy collisions: A comparison of model potential calculations. 350663
Nielsen, S.O.
Prospect of international cooperation on high-level-waste disposal on the ocean floor. 352880
Nielsen, S.P.
Chole-scintigraphy with sup(99m)Tc-diethylacetanilido-iminodiacetate. (INIS-mf – 4010) 370488
Nielsen, T.
Experience with a new ultrasonic inspection system for non-destructive examination of precision tubes. 355223, 376434
Nielson, C.W.
Plasma rotation during implosion in a theta pinch. 366503
Nielson, H.B.
Dual strings. 351185
Nielson, K.K.
Application of direct peak analysis to energy dispersive x-ray fluorescence spectra. (BNWL – 2277) 352359
In situ pollutant study of the New York Bight. (BNWL – 2100(Pt.2)) 362140
Nielson, N.E.
Creating and operating an irradiator for use in a polishing stage of wastewater treatment. (INIS-mf – 4220) 379409
Niemann, H.J.
A risk analysis for natural-draught cooling towers under wind load. 365812
A wind load concept for natural-draught cooling towers. 368025
Niemann, R.
Design of a superconducting toroidal field magnet system for the Argonne Tokamak experimental fusion power reactor. 366616
Niemann, R.C.
Fabrication experiences and operative characteristics of the U.S. SCMC superconducting dipole magnet for MHD research. (CONF-770801 – 23) 372318
Niemax, K.
Absorption measurements of the principle series lines of Cs broadened by Xe. 353302
Niemeier, M.
Angular distributions of neutron polarization from the $^{14}C(p,n)^{14}N$ and $^{11}B(\alpha,n)^{14}N$ reactions and R-matrix analysis of ^{15}N in the excitation-energy range between 11.5 and 12.5 MeV. 356846
Niemi, A.J.
Residence time distributions of variable flow processes. 365689
Nieminen, K.
Trace element analysis of granitic and radioactive rocks by spark source mass spectrometry with electrical detection. 365285
Niemistoe, L.
Plutonium in Baltic sediments. (CONF-770409 – 10) 367411
Nierhaus, M.
Concerning the justiciability of demand forecasts. 361186
Nieschmidt, E.B.
Procedures: Source Term Measurement Program. (NUREG – 0384) 379237
Uranium accountability for ATR fuel fabrication: Part II. A computer simulation. (TREE – 1146) 363724
Niese, S.
Evaluation of photopeaks on a linear bacground. 374381
Neutron activation analysis of semiconductor silicon. 364902
Nondestructive determination of copper in silicon by means of coincidence measurements. 372869
Niese, U.
Investigation of the electrochemical determination of uranium and neptunium. 372911
Niesner, R.
Use of a position-sensitive proportional counter system for measurement of thin-layer chromatograms of ^{14}C-labeled substances. 375329
Niessen, H.F.
Development of helium-heated steam reformers. 379688
Nieto, J.L.
Quasar-galaxy pairs and surface density of quasars. 364389
Nieuwenhuizen, P. van
The axial anomaly for spin 3/2 fields. 361272
An introduction to covariant quantization of gravitation. 355813
Unified field theories with U(N) internal symmetries: gauging the superconformal group. 355758
Nieuwenhuys, G.J.
Inelastic neutron scattering for PdMn 10 at%. (INIS-mf – 4267) 377310
Niewenhuis, J.J.
Applications in biochemical and biological systems. (INIS-mf – 4203) 376138
Niewiadomski, T.
Comparative investigations of characteristics of various TL dosimeters. Pt. 2. Low dose measurements. 379925
Niewodniczanski, J.
Determination of sulphur content in boreholes by neutron capture. 375970
Niezborala, F.
Safety and protection analysis of reprocessing plants. 370577
Nifant'ev, Eh.E.
Effect of dialkylphosphites on fire resistance of irradiated polyethylene. 359768
Nifatov, A.P.
The posterity of rat females poisoned with plutonium-239. 352066
Nifatov, A.RP.
Harmful effect of nitrite salts of a monomer- Am^{241} and polymer-Pu^{239} on the organs and systems of maximum deposition of radiation sources after inhalation of drastically toxic amounts. 360321
Nifenecker, H.
Angular distributions of fission and deep inelastic products of the system Ar+Au at 285 MeV. 354231
Evidence for a short lifetime and a long lifetime regime in the deep inelastic collisions between ^{40}Ca and ^{64}Ni at 182 MeV. 372694
Fusion and deep inelastic collisions studied on the Ar + Au system. Pt. 2. 356765
Nifontov, V.A.
On lithium ferrite interaction with V_2O_5. 349565
Nifontova, M.G.
Accumulation of Sr^{90} and Cs^{137} in lichens under experimental conditions. 354884
Nigam, A.K.
Increase of the electrical resistance of thin aluminium film due to 14 MeV neutron irradiation. 370122
Nigam, A.N.
A new satellite in the L X-ray emission spectrum of lutetium-71. 358797
Nigam, B.P.
Free-field-like behavior of the Dashen-Frishman model and singularity of the Callan-Symanzik function. 372351
Poincare invariance of charge-monopole composites and parity violation. 376883
Nigam, S.K.
Radiation treatment sewage – present status and future prospects. 367891
Nigavekar, A.S.
Determination of isomer shift calibration constant for ^{57}Fe Moessbauer isotope. 366428
Nigg, D.W.
Development and use of a three-dimensional neutron diffusion theory model of the proposed power burst facility reload core. 379842
Nightingale, J.M.
Gamma-radiation imaging system based on the Compton effect. 361032
Nigmanov, T.S.
Direct measurement of the π^- form factor. 372514
A measurement of the electromagnetic size of the pion from direct elastic pion scattering data at 50 GeV/c. 353922
Nigmatulin, B.I.
Study on hydrodynamic crisis of two-phase flow. 376311
Nigro, A.
Description and performance of MEA, the magnetic detector at ADONE. 379480
Multihadron production e^+e^- annihilation at 1.6 c.m. energy. 364575
Nigro, M.
Description and performance of MEA, the magnetic detector at ADONE. 379480
Multihadron production e^+e^- annihilation at 1.6 c.m. energy. 364575
Nihei, H.
Tokamak plasma heating by application of strong poloidally

induced electric field. (INIS-mf – 3963) 371896
Niibe, Hideo
Clinical effect of Cystenosine on leukocytopenia at the time of therapy with radiation and antineoplastic agents. 362706
Distribution of Fe-bleomycin, Co-bleomycin in tumor tissue. 373778
Practical use and characteristics of thermoluminescence dosimeters as a personal monitor. 360536
Niikawa, Katsuhisa
A case of chronic myelogenous leukemia with atypical clinical course seen in a radiological worker. 379077
Niimi, Yukio
An experiment to estimate errors in the measurement of PZT plates. 349018
Niimura, M.
Extremity sealing of a theta pinch by magnetic cusp. 364245
Niimura, N.
Optimum resolution in X-ray energy-dispersive diffractometry. (INIS-mf – 4030) 355967
Niinikoski, T.O.
Dilution refrigeration: new concepts. 360640
Nijampurkar, V.N.
Study of groundwater movement using environmental radioisotopes. 367399
Nijger, F.V.
Sb-Se-I system. 378235
Nijgh, G.J.
The polarized beam facility in Eindhoven. (INIS-mf – 4267) 379513
Scattering of polarized protons by iron and nickel isotopes. 362067
Nijnuis, H.T.
Hysteresis of niobium in time dependent fields up to 3 k0e amplitude. 359941
Nijsing, I.R.
Model for predicting temperature fluctuation characteristics beyond the exit of LMFBR subassemblies with faults. (CONF-761001 – P4) 363506
Nijsing, R.
Multichannel analysis for predicting temperatures and boiling initiation in LMFBR subassemblies during a flow transient. (CONF-761001 – P4) 362986
A new computer code to describe three-dimensional temperature fields in rod cluster fuel elements with spacer grids. 371305
Nikaido, Osamu
Cellular mechanisms of ageing. 378971
Nikhamkin, A.R.
Ways of improving the economic indices of nuclear power stations with light-water cooled and moderated reactors. 366154
Niki, Y.
Operating experience at Shimane Nuclear Power Station. 352637
Nikiforchin, G.N.
Corrosion cracking of high-strength steel under conditions of antiplane deformation. 369824
Nikiforenko, V.N.
Slip-twinning relationship in indium crystals. 369943
Nikiforov, A.S.
Basic problems in reprocessing spent fuel elements of nuclear power plants. 366159
Development of methods of solidification and burial of radioactive wastes from the fuel cycle. 368405
Features of a process for vitrifying radioactive waste without precalcination and radionuclide behaviour in the process. 358489
Nikiforov, G.D.
Gas bubble formation mechanism in the welding bath during active metal welding. 375781
Gaseous bubble growth kinetics in a bath during active metal welding. 359878
Nikiforova, T.V.
Glass-phase crystallization effect on ceramics welding to metals. 369867
Nikiforova, V.M.
Effect of chromium content on the corrosion resistance of steels in water at high temperatures and pressures. 351670
Nikiforovskij, A.V.
Formation of quadrupole lens fringing field. (NIIEFA-B – 0215) 350080
Nikipelov, B.V.
Basic problems in reprocessing spent fuel elements of nuclear power plants. 366159
Development of methods of solidification and burial of radioactive wastes from the fuel cycle. 368405
Features of a process for vitrifying radioactive waste without precalcination and radionuclide behaviour in the process. 358489
Nikishov, O.A.
Heat resisting titanium alloy. 375866
Nikitaev, M.I.
Protection of the synchrophasatron electromagnet excitation coil against the contact between turns. (JINR – 9-9031) 357960
Nikitenko, L.K.
Instrumental neutron-activation analysis of standard samples of rocks and soils. (INIS-mf – 3994) 378134
Nikitenko, V.I.
Domain structure of an yttrium iron garnet single crystal. 368898
Nikitenko, V.N.
Chronopotentiometric determination of stability of pretonated cadmium complexes with ethylenediaminetetraacetate. 375497
Investigation of complexing in the cadmium (2) – ethylene diamine tetraacetate – water system by the method of proton resonance. 375496
Nikitin, A.
On the calculation of the effective resistance of a fine-dispersed superconductor in a two-component matrix. (JINR-R – 8-9453) 366286
Nikitin, A.A.
Use of synchrotron radiation from the VE PP-3 storage for x-ray structural analysis. (IAE – 2385) 350076
Nikitin, A.G.
On the Galilean-invariant equations for particles with arbitrary spin. 353077
Reduction of irreducible unitary representations of generalized Poincare groups by their subgroups. 348607
Nikitin, A.V.
On nature of conductivity in Na_2O-NaF-B_2O_3. 378358
Topological cross sections of np-interactions in the monochromatic neutron pulse range from 1 to 5 GeV/c. (JINR – 1-8565) 356475
Nikitin, E.E.
Semiclassical theory of quasi-resonant transfer of polarization in atomic collisions. (INIS-mf – 3915) 348717
Tunnel thresold effects in the two-channel, problem with quasi-intersection. (INIS-mf – 3915) 348737
Nikitin, L.Ya.
Radiation lacing of rubbers in the presence of polyfunctional unsaturated compounds. 362270
Nikitin, O.T.
Determination of kinetic energies of positive ions in mass spectrum of alkali metal nitrites. 369722
Mass-spectrometric study of evaporation of potassium, rubidium and cesium nitrates. 378207
On formation heat of the BO_2 molecule. 354353
On origin of MBO^+ ions in mass spectra of some metaborates. 378335
Study of vapors of potassium, rubidium and cesium nitrites by the electron shock method. 369723
Nikitin, S.A.
Electric properties and atomic volume dependence of s-f exchange integral in gadolisnium-dysproium alloy. 368857
Magnetic phase transformations and the magnetocaloric effect in single crystals of Tb-Y alloys. 374754
Magnetostriction of intermetallic compounds of rare earths with iron of Laves phase type. 373161
Magnetostriction properties of terbium monocrystals and terbium-gadolinium alloy system. (INIS-mf – 3839) 365173
Magnon component of the electric resistance in terbium-yttrium alloy single crystals. 368737
Some specific features of magnetic and electric properties arising on variation of the Fermi surface topology in terbium-yttrium alloys. 374671
Nikitin, S.Ya.
Bubble chamber. (Soviet patent document 486292/A/) 350307
2 m- chamber filled with neon – hydrogen mixture and with a track-sensitive hydrogen target. 358330
Nikitin, V.A.
A low pressure proportional chamber with a high space resolution. 355531
Nikitin, V.D.
Dispatch software for a control computer system of a cyclic accelerator. (INIS-mf – 3909) 374097
Organization of operative data exchange between two "DNEPR-1" control computers. (INIS-mf – 3909) 374098
Nikitin, V.I.
Investigation of disagreement of heterogeneous broadening of different electron transitions of Nd^{3+} in crystals and glass. (INIS-mf – 3955) 378359
Pulse mean frequency meter. (Soviet patent document 488173/A/) 376647
Nikitin, V.N.
Neutron activation determination of noble metals for the analysis of technological and natural materials. 378112
Nikitin, V.P.
Electrophysical properties of zirconium carbide. 370100
Nikitin, V.Yu.
DF-CO_2 chemical amplifier of light short pulses. 376328
Nikitin, Y.P.
Direct muon production in proton-nucleus collisions at 70, 50 and 35 GeV. 353942
Nikitin, Yu.E.
Chemistry of extraction by sulfoxides. 349271
Nikitin, Yu.P.
Energy spectra of secondary leptons in the $e^+ + e^- \rightarrow L^+ + L^-$ process. 369263
The interaction of high-energy particles with nuclei. 375193
Neutrino (antineutrino)-electron scattering with bremsstrahlung in the renormalization theory of weak and electromagnetic interactions. 356474
Observation of possible production and decay of short-living heavy neutral particles in the SKAT neutrino experiment. 353930
On a possible mechanism of lepton direct production in pN-collisions. (IFVE-PPK – 76-53) 369334
On some possibilities for existence of the lepton weak (V + A) interaction. (IFVE-PPK – 76-36) 349082
Nikitina, A.N.
Stimulating action of continuous γ-irradiation with low dose-rates on the growth and development of Aspergillus niger. 360248
Nikitina, M.N.
Investigation of substrates surface quality of gadolinium-gallium garnet monocrystals. 349413
Nikitina, N.I.
Study on gadolinium solubility in magnesium. 375884
Nikitina, N.V.
Influence of low-temperature annealing on structure and destruction character of niobium. 373215

Nikitina, S.A.
Coordination disproportionation of plutonyl chloride solvates. 351616
Nikitina, T.M.
NMR investigations of NpO_2^{2+} aqueous solutions. 359731
Nikitina, V.I.
File structure and organization in the automation system for operative account of equipment and materials in JINR. (JINR – 10-8725) 368487
Nikitina, Z.K.
Synthesis of cesium-, rubidium- and ammonium perchlorastocobaltates (2). 378330
Nikitinskaya, T.I.
On the sensibilization of Eu^{2+} luminescence in CaF_2 crystals during high-energy excitation. (INIS-mf – 3955) 377255
Nikitiu, A.
Study on rhosub(f)(H,T) in type-2 superconductors. (JINR – 8-8015) 349047
Nikitiu, F.
Phase shift analysis of the elastic scattering of pions on ^4He. (JINR-R – 4-10598) 375202
Nikkanen, A.
On the economy and optimization of nuclear heat power plants and their heat transport system. 376789
Nikkinen, L.
Independent yields of indium and gallium in the proton induced fission of natural uranium. 359469
Niklas, A.
Thermoluminescence of a ruby crystal colored by X-rays. 371654
Nikodem, H.J.
Sensitivity analysis of the effectiveness of PWR reactor protection systems. 370930
Nikoforova, L.M.
The PM-1 proton microscope for particles with an energy up to 150keV. 350366
Nikogosyan, V.Ts.
On the possibility of simultaneous extraction of particles along several beam lines at the Yerevan synchrotron. (EFI – 176(22)-(76)) 350050
Study of coherent synchrotron oscillations of the Yerevan synchrotron beam at the acceleration of particles up to 3 GeV. 350049
Nikol'skaya, N.M.
Energy spectrum of primary cosmic radiation in the energy range from 10^{13} to 10^{16} eV. 361706
Nikol'skij, A.B.
Investigation of reactivity of nitroso complexes of iron and ruthenium by means of the isotopic exchange method. 378360
On relative stability and reaction ability of transition element nitroso complexes. 369680
Photochemical reactions of pentahalogenonitrosoruthenates. 349272
Study on interaction of ruthenium- and osmium hexacyanocomplexes with nitric acid. 357043
Nikol'skij, A.L.
On the metasomatic uranium deposits in the Bohemian massif. 375976
Nikol'skij, B.A.
Calculation of magnetic dipole fields on M^+-meson in ferromagnets. (IAE – 2469) 368837
Nikol'skij, B.P.
Study of mechanism of ion exchange on amorphous hafnium phosphate by infrared spectroscopy. 349212
Nikol'skij, S.I.
Characteristics of cosmic hadron interactions. 361721
Energy and charge composition of nuclear active component of extensive air shower with $N = 10^4$-10^5. 362599
Energy of electron-photon and hadron components near extensive air shower axis on the altitude of 3330 m above sea-level. 362600
Energy spectrum of primary cosmic radiation in the energy range from 10^{13} to 10^{16} eV. 361706
Nikol'skij, V.G.
Effect of conditions of polypropylene crystallization and annealing on post-radiation grafting. 349603
Nikol'skij, V.V.
Radiation protection in exploration and prospecting for minerals. 354674
Nikolaenko, O.K.
Fast neutron activation analysis of silicon in tungsten. 351462
Nikolaev, A.F.
Solidification of the polyester coatings with accelerated electron beam in air. (INIS-mf – 4194) 376281
Nikolaev, A.G.
Equipment for measuring X-ray emission of extraterrestrial sources. 374294
Nikolaev, A.N.
Experimental study on neutron field properties in a linear section of a sodium pipeline. (FEI – 596) 355255
Nikolaev, A.P.
Calculation of linear molecules using cylindrical oscillator functions. 361343
Nikolaev, A.V.
The main results on studing extraction of inorganic substances in the Institute of inorganic chemistry of the Sibirian branch of Academy of the Sciences of USSR. 362201
On synergetic effects in extraction of uranyl salts by the mixtures of di-2-ethylhexylphosphoric acid with tributylphosphate and di-n-octylsulfoxide. 354410
Phase equilibrium in the tungsten-chlorine-oxygen system. 375448
X-ray electron study of character of electron density distribution in oxygen containing extractants. 351617
Nikolaev, I.N.
Effect of pressure on the effective magnetic fields at nuclei of impurity tin atoms in nickel and iron. 368858
Nikolaev, L.F.
Vibration structure of electron spectra of Eu^{3+} ion in inorganic glass. (INIS-mf – 3955) 377321
Nikolaev, L.I.
Mass-spectrometric investigation of tellurium hydride. 351481
X-ray spectra solid solutions of niobium-titanium- and molybdenum-titanium systems. 349504
Nikolaev, M.N.
The KVEKS procedure. (FEI – 643) 350439
Level density dependence on parity for sup(238)U. (FEI – 636) 356637
Nuclear data requirements for reactor technology. (INIS-mf – 4043) 360776
Statistical analysis of parameters of the uranium -238 resonances. (INIS-mf – 3897) 356636
Two-dimensional model of a large power sodium-cooled fast breeder reactor with an oxide fuel for test calculations. (NIIAR-P – 4(270)) 350272
Nikolaev, M.V.
On a possibility of pre-equilibrium decay time estimation of compound system. 369422
On nature of high-energy peaks in the cross-sections of neutron collisions with ^{12}C nuclei collisions of neutrons. 354093
Nikolaev, N.N.
Leading particles and composite structure of hadrons. 353879
Rescatterings in the multiple production on deuterons. 353880
Saturation of the EhP310-steel with nitrogen during plasma-arc melting. 351790
Nikolaev, S.A.
Storage of ultracold neutrons in copper vessels. (JINR-R – 3-9534) 349137, 354007
Nikolaev, S.M.
Modernization of electron accelerator on the base of the RUP-400 x-ray unit. (INIS-mf – 4194) 379485
Nikolaev, V.A.
Application of the track diameter measurement method in nuclear physics. 368309
Chromium-molybdenum-vanadium steel embrittlement during tempering. 370006
Glass track detectors. 361049
Hydrogenation and embrittlement of low-alloy steel under neutron irradiation in contact with water. 370125
Nikolaev, V.B.
Photostimulated transfer of electronic excitation. (INIS-mf – 3955) 362150
Nikolaev, V.I.
Effect of big elastic stresses on parameters of a Moessbauer line. 356029
The program for processing of Moessbauer spectra. (IAE – 2541) 356028
Reconstruction of a magentic field configuration in a pole gap of an accelerator according to measurement results. 370744
Nikolaev, V.K.
Thermodynamics of iron deoxidation by titanium in the presence of nitrogen. 375773
Nikolaev, V.M.
Effect of α-irradiation on the properties of the phosphate cation exchange resin KFP. 354450
Probe system for plasma diagnostics. (Soviet patent document 434298/A/) 377451
Nikolaev, V.P.
Isopiestic study of mixed solutions of electrolytes free of common ions. 349219
Method for the X-ray fluorescence analysis of suspensions. (Soviet patent document 448374/A/) 360581
Nikolaev, V.S.
About the effect of a bound state on ionization cross sections in ion-atom collisions. 371505
Cross sections for the Mα, Mβ and Mγ X-ray production in Pt and Pb as a function of the proton energy. 377098
Ionization of atom l-shells by protons in the energy range from 250 to 500 kev. (INIS-mf – 3915) 348718
On cross sections of electron losses by ions with 2s and 2p electrons in outer shell. (INIS-mf – 3915) 371535
On specific features in the capture cross section of an electron by excited helium-like ions. (INIS-mf – 3915) 371476
Nikolaev, Yu.A.
On the influence of magnetic field on relativistic electron spectra in a plasma turbulent reactor. 377637
Nikolaev, Yu.K.
On welding strains in a large-sized ring of austenite steel. 375790
Nikolaeva, E.R.
Coulometric titration of rhenium(7) by electrogenerated titanium (3). 375239
Nikolaeva, G.V.
Reduction of N_2 on $Ti(OH)_3$-Mo(3)-sodium amalgam system. 359667
Nikolaeva, L.G.
Dynamic scattering of x-rays by radiation defects near Ge absorption K-edge. 354608
Nikolaeva, N.M.
Solubility product of uranyl carbonate at high temperature. 359751
Study of U(4) complexing with chlorides at higher temperatures. 362238
Nikolaeva, N.V.
Some regularities of incorporating labelled uridine in the RNA of

lymphocytes of horned cattle's lymphocytes in case of lympholeukosis. 362791
Nikolaevskaya, N.G.
Action of heterologous DNA on the frequency of chromosomal aberrations in somatic cells of lethally irradiated animals. 376104
Nikolaevskij, G.P.
A circulation neon purification system for spark chambers. 357915
Nikolaevskij, V.G.
A high-power laser system for thermonuclear fusion experiments. (IAEA – 200) 353513
Problems of optimum solution selection on the development of automation control of experiments on laser thermonuclear fusion. (INIS-mf – 3954) 364270
Nikolajchuk, L.I.
Lattice dislocation of lithium atoms implanted into cadmium sulfides. (INIS-mf – 3996) 364021
Lithium and sodium intersitial distribution in CdS two-component semiconductor. (KFTI – 75-35) 353426
Spatial distribution of defects in silicon doped with lithium ions. (KFTI – 74-47) 353487
Studies of lithium-ion distribution in silicon using a secondary ion-ion emission method. (KFTI – 74-47) 354610
Nikolayevsky, V.B.
Radiation chemical oxidation of americium (3) in weakly acid medium. 351618
Nikolenko, L.N.
Rare earth complexes with 1,1'-dimethyl-2,2'-biimidazolyl. 369681
Nikolic, M.
Weak interactions. (IN2P3 – 77-01) 369281, 369282, 369283, 369295, 369296, 369297, 369319, 369326
Nikolopoulos, P.
Surface, grain boundary and interfacial energies in UO_2 and UO_2-Ni. 373301
Nikolotova, Z.I.
Americium extraction by vinylene diphosphine dioxides. 378489
Nikolov, A.
Peculiarities of the late clinical manifestation of local radiation injury. 367528
Nikolov, I.
Increase of nonspecific radioresistance in rats by means of magnet-active water. 367509
Nikolskyi, A.B.
Evaluation of the effective charges of atoms from combination of the x-ray K sub(α1) chemical shifts and the isomer shifts of the nuclear gamma-ray spectra. 354354
Nikonov, V.N.
Extraction of rare earths from salt solutions of complex composition with carboxylic acids. 359876
Extraction of rare earths with mixtures of TBP and quaternary ammonium base salt from nitrate solutions. 369753
Leaching of sodium carbonate cakes by nitric acid. (INIS-mf – 4187) 375590
Study of rare earth minerals sintering by soda ash. 357044
Study of rare earths separation process from radioactive impurities. 357083
Nikonov, V.P.
Chemical and radiation-induced mutagenesis of the rat liver chromosomes. 354786
Nikonova, T.V.
On some properties of Cdsub(x)Hgsub(1-x)Te variband structures. 348831
Nikonyuk, E.S.
Investigation into Ge behaviour in CdTe. 359986
Nikravesh, K.
Manpower training approach in the Atomic Energy Organization of Iran. 352609
Nikul'tsev, V.S.
Increasing information reliability in case of radioactive logging. 349631
Measuring telesystem for pulse neutron logging. 349648
Nikulin, E.I.
Thermal conductivity and thermo-emf of Ag_2Te at low temperatures. 369894
Nikulin, M.P.
BR-5 primary circuit decontamination. (IWGFR – 7) 360973
Nikulin, V.K.
Diabatic correlation diagrams for quasimolecular collision processes. 377087
Nikulin, V.N.
Polarization in 1 GeV elastic proton scattering on carbon. 354133
Nikulin, V.V.
Performance testing of primary coolant purification plant. 368154
Nikutowski, B.
High frequency electromagnetic cyclotron instability in hot plasma. 377559
Nilekani, S.R.
Build-up dose measurement in ^{60}Co irradiations using the ferrous sulphate-benzoic acid-xylenol orange dosimeter. 357877
Nilles, H.P.
Dileptons, trileptons and the V-A structure of weak charged currents. (BONN-HE – 77-9) 366828
Nilsen, C.L.
Spectroscopy of ^{121}Te and ^{124}Te from the sup(120,123)Te(d,p) sup(121,124)Te reactions. 356822
Nilsen, R.
Spectroscopy of ^{121}Te and ^{124}Te from the sup(120,123)Te(d,p) sup(121,124)Te reactions. 356822
Nilson, R.
A quality assurance programme for reload fuel for light-water reactors. 376493
Nilson, R.H.
Flow visualization in heat-generating porous media. (SAND – 76-0614) 379273
Natural convection in porous media with heat generation. 352236
Nilsson, A.
Annual report 1977. Research institute of physics, Stockholm Sweden. (INIS-mf – 4204) 376879
Evidence for narrow bound states related to the panti p system. 377817
Measurements on light antiprotonic atoms. 376976
Study on antiprotonic atoms of light nuclei and isotopes. 371523
Nilsson, F.
Jsub(Ic)-testing of A-533 B – statistical evaluation of some different testing techniques. 375867
Nilsson, J.S.
Gauge vacuums and the conformal group. 363746
Nilsson, L.
NORHAV – a Nordic reactor safety evaluation project. 370597
Precise measurements of the elastic n-d differential cross section at low energy. 366962
Radiative capture of fast neutrons by ^{89}Y and ^{140}Ce. 377970
Nilsson, R.
Management by regulatory inspection authorities of experience gained from safety related occurrences in nuclear power plants. (INIS-mf – 3972) 380109
Nilsson, S.
Mechanisms in anti pp annihilation. 369390
A search for the I peak at 2.60 GeV/c^2 in 12 GeV/c anti pp interactions in the CERN 2m HBC. 377781
Study of the reaction anti pp → anti pωp at 9.1 GeV/c. 372537
Nilsson, S.G.
Nucleon binding in nuclei at high angular momentum. 369415
Search for the yrast traps in neutron deficient rare earth nuclei. 354054
Nilsson, T.
Safety considerations for light water reactors in Sweden. 370596
Nimmerfall, F.
Non-equilibrium method for the radioimmunoassay of clozapine in the presence of metabolites. 376192
Nimmon, C.C.
Regional cerebral blood flow – a new non-invasive method. (INIS-mf – 4010) 362717
Ninburg, O.P.
Circuit for changing voltage polarity of the power supply for the MI-1305 ion mass spectrometer. 376702
Ninchakova, A.
Cadmium extraction by mixtures of heptanoic and bromine heptanoic acids with amines. 362216
Nindze, G.K.
The space charge capacity at the indium antimonide surface when the electron gas is degenerate. 354506
Ninjoor, V.
Application of gamma radiation and heat treatment for the preparation of fish protein concentrates from Bombay duck (Harpodon nehereus). 349832
Studies on radurization of chicken meat. 349827
Ninkovicj, M.
Analysis of the radioactive products in reactor primary coolent medium. 379136
Neutron convertor at reactor RB. 379562
Operating health physics experience on exposure of the personel working at RA reactor during last ten years period. 370656
Ninomiya, Hiromasa
Formalization for optimal feedback control of plasma current and position in a tokamak. (JAERI-M – 7126) 371971
Ninomiya, M.
O_4 symmetry, light-cone expansion and the electroproduction structure function. 363820
Ninomiya, S.
Control computer system for KEK proton synchrotron. 363272
Nioradze, M.S.
Asymmetry in the angular distributions of spectator-nucleons. (JINR-E – 1-9814) 377778
On the two-nucleon enhancement associated with high momentum tail of the spectator in the deuteron break up. (JINR-D – 1,2-9342) 356479
Nir-El, Y.
Delayed neutron emission probabilities of Rb and Cs isotopes. (IA – 1338) 364602
Yields of Rb, Cs, Sr and Ba isotopes in thermal fission of ^{235}U. (IA – 1338) 364719
Nir, D.
Integral rotation of the 5/2$^-$ 193-keV level of ^{63}Zn. 356847
Molecular effects in charge-state distributions from dissociative collisions of 30 – 900-keV H/sub w/2/sup ts+/. 363912
Nirschl, E.
Independent formation cross-section of sup(148m)Pm and sup(148g)Pm in the fission of ^{232}Th induced by 26- to 42-MeV ^4He-ions. 369461
Independent isomeric yield ratio of ^{148}Pm in fission of the moderately excited ^{236}U compound nucleus as a measure of fragment angular momentum. 351328
Nisbet, J.S.
Model of F_2 peak electron densities in the main trough region of the ionosphere. 367426
Nisce, L.Z.
Local tumor hyperthermia in combination with radiation therapy. I. Malignant cutaneous lesions. 357594

Nishchenko, M.M.
Effect of laser irradiation of superconducting materials on the basis of niobium on the character of critical temperature change. 361759
Nishcheta, V.V.
Tungsten interaction with beryllium oxide. 369956
Nishi, Akito
Fuel assembly. 379719
Nishi, Hosei
Bilateral femoral neck fractures following pelvic irradiation. 354816
Nishi, Keizo
Comparison of radiometric standards in the far ultraviolet region. 355626
Observation of the centre-to-limb variations of the sun in the vacuum ultraviolet region. 353705
Nishi, Masato
ESR study of Pb^{3+} ions in cubic PbF_2 crystals irradiated with γ-rays and neutrons at low temperatures. 358890
Paramagnetic centers in neutron-irradiated Li_2O. 377302
Nishi, Masatsugu
Apparatus for inspecting a fuel rod. 350209
Nishi, Tomota
γ-radiolysis of aqueous solutions of tellurium. 354445
A fundamental research for the production of ^{238}Pu. 359511
Nishida, C.
Operating experience at Shimane Nuclear Power Station. 352637
Nishida, Michio
Studies on flush mounted electrostatic probe measurements in argon plasma flow. 377481
Nishida, N.
Nuclear orientation of Bi isotopes in a ferromagnetic BiMn compound. 356005
Nishida, Seikoh
Radioimmunoassay for steroid hormones, 2. 349864
Nishida, Shuzo
Grain formation in nova envelopes. 359189
Nishida, T.
Localization of electron current density and its effect on damage production in a molybdenum crystal. 365241
Nishida, Takahiko
Manual on JSSL (JAERI scientific subroutine library). (JAERI-M - 7102) 374524
Nishiguchi, Y.
Cavitation tests for a main circulation pump of JOYO primary circuit. (IWGFR - 9) 350255
Nishihara, Hideaki
Acoustic emission in subcooled nucleate pool boiling. 360777
Measurement of acoustic velocity and attenuation in an air-water two-phase medium. 355341
Nishihara, Katsunobu
Thermonuclear reaction wave in high-density plasma. 371966
Nishihara, Yoshikazu
Moessbauer study of Fesub(0.5)Nisub(0.5)S_2. 353474
Nishii, M.
Polymerization induced by electron-beam irradiation of octadecyl methacrylate in the form of a multilayer or monolayer. 373052
Nishii, Y.
An application of activation analysis of aluminium in biological materials. 372933
Nishijima, Hiroyoshi
Melting behavior and irradiation effect in poly(trioxane). (JAERI-M - 7086) 367172
Nishijima, Kazuhiko
Renormalization group and the high energy behavior of the forward scattering amplitude. 349074
Nishijima, Mitsuhiko
Rhabdomyosarcoma of the abdominal wall following radiotherapy for carcinoma of the cervix uteri. 379061
Nishijima, Shigehiro
A statistical treatment of LNT irradiation effects on mechanical properties of Epoxy Resin for potting in the superconducting magnets. 378809
Nishikawa, Haruyoshi
The anodic oxidation of metallic samarium. 359668
Nishikawa, Ken-ichi
Nonlinear heat and particle transport due to collisional drift waves. (IPPJ - 281) 368979
Nishikawa, Kyoji
Diffusion of a multi-ion species plasma due to drift wave fluctuations. (IPPJ - 267) 353646, 359031
Theory for space-time evolution of explosive-type instability. (IPPJ - 276) 353653
Theory for stationary nonlinear wave propagation in complex magnetic geometry. (IPPJ - 300) 377565
Theory of two-fluid equilibrium of an axially symmetric plasma. (IPPJ - 282) 366653
Nishikawa, M.
Electron scavenging by COS in the radiolysis of supercritical cis- and trans-2-butene. 362275
Electron scavenging in the radiolysis of supercritical butenes. 362274
A large area multi-crystal positron camera. (INIS-mf - 4010) 358384
Zero-field mobility of excess electrons in dense methane gas. 368509
Nishikawa, Masayuki
Operating experience at Genkai Nuclear Power Plant. 350223
Nishikawa, Naozo
Radiation doses measured by TLD (thermo luminescent dosimeter) in x-ray examination. 355063
Nishikawa, Shoji
Basic study of an introduction of ^{123}I to thyroid examination with RI in vivo. 379186
Nishikawa, T.
Initial operation of KEK Accelerator. 363306
TRISTAN ep project. 363269
Nishikawa, Tetsuji
Possibility of utilizing KEK accelerators for medical purposes. 350081
TRISTAN project. 360730
Nishiki, Tadaaki
Extraction of cadmium by high molecular weight alkylamines. 359628
Extraction of uranium by trioctylamine. 359627
Nishikowa, O.
Field ion image qualities of Ga, In and Sn on W and work functions. 378699
Nishimaki, Kenzo
Basic investigation of the distribution coefficients of radioactive nuclides to clay minerals. (KURRI-TR - 151) 367158
Nishimura, Akira
Intermediate fossil fueled units for variable pressure operation. 368033
Nishimura, Akitoshi
Effects of the tensor force on psi' and X's in the charmonium model. 372496
Nishimura, Asako
A parametric study on reactor containment response to fuel-sodium interaction. (PNC-N - 251-76-12(vol.2)) 349901
Nishimura, F.
Absolute doubly differential cross sections for ejection of secondary electrons from helium by electron impact. 353322
Nishimura, H.
High power CO_2 laser system for plasma research (Lekko I). (IAEA - 200) 353600
Nishimura, Jun
Observation of aurora x-ray. 378935
Observation project of cosmic gamma-ray burst. 377667
Nishimura, Kh.
High-power electro-ionization CO_2 laser system for thermonuclear research. 363114
Nishimura, M.
Beta-ray angular distribution in aligned ^{12}B and ^{12}N and G-parity irregular induced tensor current. 372650
Defects and fracture strength of large rotor forgings for steam turbines. 351771
Nishimura, Ryuichi
Measurement of the concentration of testosterone in testicular tissues by radioimmunoassay. 379191
Nishimura, Tsunehiko
Renal images and dynamics by triple isotope method. 349865
Nishino, Hitoshi
On the gauge conditions in quantum gravity. 376932
Nishio, M.
The model rotor for the 6 MVA superconducting generator. 360599
Nishio, Masamichi
Inhibitory effect of Cystenosine on leukopenia by radiation. 360293
Nishio, Yoji
Thermoluminescence of gamma-irradiated polyethylene in high temperature region. 349594
Nishioka, Hidetoshi
A microscopic study of elastic scattering of αparticles on ^{7}Li nuclei. 359438
Nishioka, Kazuya
Device for coupling a control rod and control rod drive. 368069
Nishitani, S.
Propagation and reflection of lower hybrid waves launched by slow waveguiding circuits. 353643
Nishiwaki, Y.
Studies on radioecological concentration processes in the aquatic environments -Uptake and retention of Am-241 by fish-. 370425
Studies on the characteristics of nuclear spark counting. 355557
Nishiyama, Seiya
A note on pairing vibration in the closed shell nuclei. 359425
Nishiyama, Shoji
Tumor scintigraphy in primary lung cancer using ^{67}Ga-citrate. 349862
Nishizawa, A.
Radio-frequency plugging of mirror and point cusp ends. (INIS-mf - 3963) 372084
Nishizawa, Kazuharu
Performance evaluation and fundamental problem of the ACTA scanner. 374331
Nishizawa, Kazuo
Seismic design of electrical equipment and instrumentation for nuclear power stations. 373870
Nishizawa, Kunihide
A calculation of dose distribution around ^{32}P spherical sources and its clinical application. 373898
Monitoring of ^{131}I in exhalation of patients administered ^{131}I for therapy. 367592
Nishizawa, S.
Zeeman exchange cross relaxation time T$_1$sup(ZX) in BCC ^{3}He. 366800
Nishizawa, Y.
Research and development on removal of radioactive noble gases in Japan. 358503
Nishizawa, Yasuo
On-line reactor simulator. 360900

Nishonkhoazhaev, R.N.
Types of rhenium and molybdenum present in oil-shales. 349201
Niskanen, J.A.
The differential cross section and polarization in p + p→d + π^+. 362012
Nisnevich, M.M.
Materials testing methods using focussed ultrasonic waves. (INIS-mf – 3914) 349399
Nissel, B.
Configuration for fixing fuel rods of nuclear reactors and the like. (German (F.R.) patent document 2520345/A/) 358073
Pliers for gripping objects. (German (F.R.) patent document 2537005/A/) 367950
Nissen, H.U.
Comments on the reported discovery of primordial superheavy elements. 378184
Nithart, H.
Protection of the pulsed superconducting dipole ALEC. 360632
Nitsche, H.
Transport behaviour of alkali halogenides and uranyl salts in lower aliphatic alcohols. (AED-Conf – 77-389-002) 375647
Nitschke, J.M.
Search for superheavy elements in the bombardment of ^{248}Cm with ^{48}Ca. 351372
Nitz, D.
A search for integrally charged quarks. 377788
Nitzsche, H.M.
Isotope fractionation of carbon during tribochemical reactions. 372977
Niu, K.
Possibility of stable implosion of structured pellet I. (IPPJ – 293) 377574
Super-compression and its stability of multi-structured pellet. (IAEA – 200) 353602
Niu, Keishiro
Electron-flux limitation due to ion acoustic instability. 372097
Niv, Y.
Magnetic hyperfine rotation of a gamma ray angular distribution due to target tilting. (WIS-PH – 76/59) 363896
Nivas, Y.
Sintering uranium oxide using a preheating step. (US patent document 4,052,330/A/) 373299
Nivorozhkin, L.E.
NMR study into enanthiomerization kinetics of Zn(2), Cd(2), Pb(2) tetrahedral bis-chelate complexes. 369674
Niwa, T.
Studies on the characteristics of nuclear spark counting. 355557
Nix, J.R.
Effect of the finite range of the nuclear force on the dynamics of fission and heavy-ion collisions. 364720
Hydrodynamical calculations of heavy-ion collisions. (LA-UR – 77-1965) 361951
Nixon, D.R.
Pump tank divider plate for sump suction sodium pumps. (US patent document 4,029,123/A/) 374245
Nixon, J.D.
Ventilation and filtration of active buildings. 360661
Niyazova, O.R.
The influence of electronic excitation on atom displacement in semiconductors. 370231
Niyogi, K.K.
Reactor containment heat removal by passive heat sinks following a loss-of-coolant accident. 362855
Nizametdinov, M.M.
Investigation of pulse discharge using high-speed photorecorder. 359912
Nizhel'skij, P.E.
Manganese effect on the chromium distribution in underscale layer of iron-chromium manganese alloy. 349507
On high-temperature oxidation of the Fe-Cr-Mn alloy underscale layer. 375868
Nizhnaya, S.L.
Simulation of ion scattering by atomic chains on real solid surface. 368859
Nizienko, Yu.K.
Study of the acceleration of thin metal foils acted on by high-power laser emission. (IAEA – 200) 353518
Nizjev, V.G.
The application of a high pulse repetition rate CO_2 laser with high average power for isotope separation by molecular dissociation in a strong IR field. 355067
Nizkovskaya, I.A.
Accelerating tubes for the "Avrora" and "Electron" type high-voltage accelerators. (INIS-mf – 4194) 376385
Njemets', O.F.
The U-240 cyclotron. 367979
Njo, D.H.
The concept for the protection of the RPV against nonductile failure as it is applied in Switzerland. (IAEA – 189) 360820
Reactor vessel surveillance present practice and future trends in Switzerland. (IAEA – 202) 376474
Selecting samples for irradiation programmes in LWRs. 354629
Noack, G.
Significance of the helium turbine power plant at Oberhausen (EVO) and of the high-temperature helium test facility at Juelich (HHV) for the development of the HTR direct-cycle system (HHT). 379696
Noakes, J.E.
Scintillation counting apparatus. (German (F.R.) patent document 2529284/A/) 376648
Nobari, Y.M.
Automatic reactor power measurement by continuous calorimetry. 355352
Nobili, A.
CNEN program on advanced LMFBR fuels. 379740
Mechanical behavior of a fuel pin for fast reactors: effect of the fuel form and of the approach-to-power on the change of the fuel stack length under irradiation. 379737
Noble, C.J.
Differential cross sections for elastic electron scattering from sodium. 353372
Differential cross sections for the elastic scattering of intermediate energy electrons from sodium. (FIAS-R – 28) 355922
Factorized distorted wave approximation for the (e,2e) reaction on atoms: coplanar symmetric. 353383
The noncoplanar symmetric (e,2e) reaction on atoms. 353382
Noble, J.B.
Environmental planning and the siting of nuclear facilities: the integration of water, air, coastal, and comprehensive planning into the nuclear siting process. Improving regulatory effectiveness in federal/state siting actions. (NUREG – 0199) 352970
Improving regulatory effectiveness in Federal/State siting actions. Environmental planning and the siting of nuclear facilities: the integration of water, air, coastal, and comprehensive planning into the nuclear siting process. Final report. (PB – 269386) 366179
Noble, J.E.
Stirling/hydraulic artificial heart power source. 379393
Noble, J.V.
Meson fields, exchange currents and progenitor sum rules. 362013
Noc, B.
French studies on blow-down accident in light water reactors. 370601
Nocentini, A.
Heat transport of axisymmetric toroidal low-β plasmas in the collision-dominated regime. (INIS-mf – 3963) 371834
Transport properties and steady states of a tokamak plasma with impurities in the collision-dominated regime. (INIS-mf – 3963) 371833
Transport properties of a tokamak plasma with impurities in the collision-dominated regime. 348911
Nocera, Fabrizio
Ideas suggested by the Nuclear Inter Jura Congress 1975 at Aix-en-Provence. 350418
Nocken, U.
Sequential decay in the ^{10}B(d, 3α) reaction at 360 keV. 372799
Noda, Hujio
Unified description of inclusive antibaryon and baryon spectra in pp collision. 359302
Noda, Kenji
The behaviour of dislocations inside the dislocation channels in neutron-irradiated Ni. 358891
Noda, N.
Tokamak experiments on JIPP T-II device. (INIS-mf – 3963) 371853
Noda, T.
A stigmatic second-order, double-focusing mass spectrometer. 371181
Noda, Yoshitane
A study on the progression of congenital scoliosis and the experimental production of the congenital scoliosis induced by ^{60}Co irradiation in rats. 379033
Nodulman, L.
Recent results from counter-spark chamber ν experiment at BNL. 353980
Noe, J.W.
Stony Brook superconducting heavy-ion booster project. 363307
Noejd, L.A.
Uranium production from low-grade Swedish shale. 365259
Noel, H.
Phenix construction and operating experience. 379786
Noelker, A.
Application of acoustic emission analysis during loading of a pressure vessel by pulsating internal pressure. 365800
Noelpp, U.
Bedside determination of extravascular lung water (ELW) using ^{123}I-antipyrine. (INIS-mf – 4010) 370433
A new acquisition program for radiocardiographic function analysis with gamma camera and computer. (INIS-mf – 4010) 363584
Noelpp, U.B.
On the technique of selective double-isotope coronary scintigraphy with ^{99}sup(m)Tc- and ^{111}In-HSA-microspheres. 349810
Use of gradient scintigraphy in cardiology. (INIS-mf – 4010) 362830
Noerdlinger, P.D.
Diffusion of helium in the sun. 353319
Transfer of line radiation in differentially expanding atmospheres. V. Line formation in a decelerating spherical flow. 351050
Noerenberg, W.
Analysis of relaxation phenomena in heavy-ion collisions. 375145
Nofal, E.
A simple plasma device for plasma surface interaction processes. 353623
Noga, M.
Algebraic consequences of gauge invariance in electromagnetic interactions. 377759
Gauge invariance and its exact dynamical consequences. 353881
Nogami, Masayuki
Crystallization of beryllium metaphosphate glass. 354314
Nogami, Y.
Hydrogen atom and hydrogen molecular ion in homogeneous

magnetic fields of arbitrary strength. 363871
Nucleon-nucleon interaction in nuclear matter. 359365
Proton inelastic scattering from ^{110}Cd and ^{112}Cd at isobaric analog resonances and analysis with the quasiparticle random-phase approximation. 354267
Noggle, T.S.
Ion radiation damage in copper. 373371
Nogi, Y.
Sector experiment of theta-pinch plasma in modified bumpy torus. (INIS-mf – 3963) 371977
Nogoev, K.
Erbium bromides-acetamide-water and erbium acetate-selenocarbamide-water systems at 30 deg C. 351464
Nogova, A.
Analytic parametrization of high energy crossing even $\pi^{\pm}$p forward scattering amplitude. 366858
High energy behaviour of the forward πN amplitude. 353882
Noguchi, Hiroshi
Exfoliative cytology in study of radiosensitivity of uterine cervical cancer, (2). 379081
Noguchi, Isamu
Gaseous products and smoke generation on combustion of the insulation materials of nuclear cables. 349575
Nogueira, J.C.
A new theoretical model for scattering of electrons by molecules. 1. 363914
Nogueira, J.N.
Effect of gamma radiation (^{60}Co) on the organoleptic and nutritive properties of common beans (Phaseolus vulgaris L., cv. mulatinho). (CENA-BC – 018) 354759
Nohara, N.
A large area multi-crystal positron camera. (INIS-mf – 4010) 358384
Nojbert, V.
Analysis of excitation functions in the (H I, xn) type reactions on the basis of a simple evaporation model. 375131
Elastic scattering of ^{14}N ions on ^{6}Li and ^{6}Li disintegration at 19.5 MeV. 369491
Nojiri, Ichi
Comparative study on radiosensitivities of cultured cell lines derived from several human tumors under hypoxic condition. 360222
Nojiri, Toshiaki
Computer-aided approximate for fluorescent x-ray analysis utilizing radioisotope Am-241. 367044
Effective source size as related to ^{252}Cf neutron radiography. 355093
Nojiri, Y.
Spin polarization of ^{12}B in the heavy-ion reaction ^{100}Mo(^{14}N, ^{12}B)^{102}Ru. 351420
Nolan, P.J.
The determination of the l-forbidden M1 decay from the first excited state in ^{41}K. 366994
Spin and parity determinations for the 3723 keV, 4294 keV and 5313 keV levels in ^{36}Cl. 351398
The structure of levels in ^{67}Ga below 2.6 MeV excitation. 351321
Nolen, J.A.
The mass and low-lying level structure of ^{17}C. 362083
Nolen, R.
Depth profiling of hollow spherical glass (laser fusion) targets. 368992
Nolfi, F.V. Jr.
Application of dual-ion irradiations to fusion materials problems. 358987
Nolibe, D.
Effects of chronic and continuous low-dose rate gamma exposure on the life span of athymic nude and heterozygous mice. 354785
Pulmonary tumors induced in the rat by the internal α irradiation; target cells and sensitive cells. 354774
Noll, B.
Determination of the radiochemical purity of pertechnetate solutions from sup(99m)Tc generators. 372878
Noll, S.
Production of pure pyrimidin derivative labelled with tritium. 1. 373025
Nolle, A.
^{123}Te and ^{125}Te fourier transform NMR investigations. 374687
^{207}Pb magnetic shielding anisotropy in $Pb(NO_3)_2$, $PbCO_3$, $PbCrO_4$, $PbMoO_4$ and $PbWO_4$ by fourier transform NMR. 356030
Nuclear magnetic shielding and quadrupole coupling of ^{133}Cs in cesium salt powders. 355990
Nolokanov, V.V.
On vanadium solubility in α-Ti. 378700
Nolte, E.
Munich heavy ion post accelerator. 363308
Nolte, G.
Charge dependence of double K-vacancy states in collisions of Ssup(n+) (n=5, 8, 10, 12, 13, 14) on Ar at 1 MeV/amu. 358823, 377115
K-shell ionization cross sections in nearly symmetric collisions by S and Cl impact. 374638
Nolte, J.T.
Comparison of solar wind streams and coronal structure near solar minimum. 351058
Do changes in coronal emission structure imply magnetic reconnection. 372228
Observations of the birth of a small coronal hole. 356321
Nolte, K.
Experiments on the determination and limitation of fission and activation product release during core meltdown. (KFK – 2435) 357726
Nolthenius, H.J.
Cross section library DOSCROS77 (in the SAND-II format). (ECN – 25) 351428
Damage cross section library (DAMSIG77). (ECN – 36) 375961
Noltingk, B.E.
Measuring strain and temperature remotely with gamma-rays. 352838
Noma, H.
Cross sections of the ^{63}Cu(p, 3n)^{61}Zn and the ^{63}Cu(p, p3n)^{60}Cu reactions. 359512
Noma, Hiroshi
On-line isotope separator of SF cyclotron in the Institute of Nuclear Study, University of Tokyo. (KURRI-TR – 145) 379488
Nomata, Terumitsu
Control rod for nuclear reactors. 368080
Nombela, L.
Comparative CAT and radionuclide studies in brain exploration. (INIS-mf – 4010) 362804
Nomerovannaya, L.V.
The effect of antiferromagnetic transformation on the Cr – 4% Co alloy optical properties. 349508
Optical absorption spectra of vanadium and chromium. Experiment and theory. 369949
Nomi, M.
New techniques for the treatment of laundry and other low-level liquid wastes. 358496
Nomi, Mitsuhiko
Method of processing liquid radioactive wastes. 380016
A pilot plant of continuous bituminization process for solidifying radioactive wastes. 350397
Nomine, A.M.
Influence of physio-chemical parameters on the mechanical properties of some isotropic uranium alloys. 373244
Nomoto, H.
Behaviors of absolute instabilities of electrostatic ion cyclotron waves in an ion beam-plasma system. 356161
Nomoto, Hisayuki
Observation of nonlinear Landau damping of electrostatic waves in an electron beam-plasma system. 359024
Nomoto, K.
Strain difference in T-cell regulation of antibody response to polyvinylpyrrolidone. 362675
Nomura, Harehiko
Aluminum-stabilized multiplex superconductor and magnet. 358988
Study of superconducting switch using semiconductor stabilizer. 358989
Nomura, Masahide
Device for detecting defectiveness in a local power monitor. 350188
Nomura, S.
Japanese development program for advanced LMFBR fuels. 379797
Status of VHTR fuel research in Japan. 368180
Nomura, Setsuo
Single atom image observation by means of scanning transmission electron microscope. 377056
Nomura, T.
High spin levels in ^{58}Fe: ground-state and quasi-γ bands. 372723
Phase investigations of the U-Nb-C and U-Ce-C systems. (Juel – 1432) 357372
Recent studies of high-spin states in the fp-shell nuclei. 356693
Unusually strong difference in the side-feeding to the 6^+ doublets of ^{56}Fe populated in heavy-ion compound reactions. 356848
Yrast band of ^{56}Fe: coexistence of prolate and oblate shapes. 356705
Nomura, Tamotsu
Methods of iodine-129 analysis for environmental monitoring. (PNCT – 831-76-01) 379359
Nonaka, Akira
Apparatus for the transportation and storage of ^{85}Kr. 350027
Method of recovering ^{85}Kr from liquid at the bottom of distillation tower by concentration. 361110
Noor, A.I.
Measurements of the structure of the convection sustained ion sheath. 361629
Noordhoff, B.H.
Fast flux test facility startup plan. (HEDL-SA – 1216(Rev.)) 379833
Noordhoff, B.S.
FFTF startup plan. 358312
Nooren, G.J.
Research with the 4 MV accelerator, ch. 2. (INIS-mf – 3629) 362056
Noori, K.H.
Detection of hepatitis-B surface antigen in blood and blood products dried on filter paper. 379183
Nooshin, A.A.
Transfer of nuclear energy into Tavanir's interconnected power system. 352582
Norbaev, N.
Phenol and quinone content in plants with different radiosensitivity. 362654
Norbeck, E.
Cross section measurements and needs. (EPRI-ER – 536-SR) 371967
Norcross, D.W.
Scattering of electrons by LiF. 358731
Nordahl, J.H.
Design challenges of serving a maturing LWR industry's spent fuel transportation needs. 352411
Nordholm, S.
Ergodic collision theory of intermolecular energy transfer. 355909
Generalisation of the finite-element and R-matrix methods. 374632

Nordling, C.
Lifetime measurements in La II with the beam-laser method. 366314
Nordlund, G.G.
On the use of trajectory models for evaluation of the dispersion of airborne radioactivity in nuclear power plant accident situations. 370305
Nordstrom, J.D.
Painting material to be hardened by ionizing radiation on the basis of siloxane-ester-acrylate and of unsaturated monomers and procedure for its application. (German (F.R.) patent document 2063134/B/) 354446
Paints substances on the basis of acryl siloxane resin and unsaturated monomers hardened by ionizing radiation, and their application. (German (F.R.) patent document 2063135/B/) 354447
Nordstrom, T.V.
Grain boundary precipitation in a nickel-beryllium alloy. 370010
Nordtvedt, K. Jr.
Theoretical significance of present-day gravity experiments. 355814
Nordwall, J.H. de
The European Community case for nuclear power. 366126
Nordyke, M.
Summary of U.S. PNE experience. (UCID - 17649) 379452
Nordyke, M.D.
Bibliography of published material related to the Soviet PNE Program. (UCRL - 52362) 379457
Noreland, T.
Lifetime measurements in La II with the beam-laser method. 366314
Norem, J.
Neutral beam system for an ignition tokamak. (CONF-771029 - 177) 377401
Resistive requirements for the vacuum wall of a Tokamak Fusion Reactor. (CONF-771029 - 182) 377363
Norfolk, D.J.
γ-radiolysis of methane adsorbed on γ-alumina. 351652
Norgaard, H.
Abundance ratio $^{18}O/^{17}O$ in hot CNO nucleosynthesis. 351059
Norgren, M.
The world energy conference: we must live with energy crises. 368430
Norimatsu, T.
Laser fusion research in Osaka. (IAEA - 200) 353656
Measurement of density modification of laser-fusion plasmas. 371732
Norimura, Toshiyuki
Experimental studies on estimation of absorbed dose of critical organ for ThO_2. 367593
Norina, T.M.
Extraction of rare earths from salt solutions of complex composition with carboxylic acids. 359876
Extraction of rare earths with mixtures of TBP and quaternary ammonium base salt from nitrate solutions. 369753
Study of rare earth minerals sintering by soda ash. 357044
Study of rare earths separation process from radioactive impurities. 357083
Norinder, O.
Unique features of the BITNOD large-mesh code. 360778
Norkus, P.K.
Use of catalyst of ruthenium (6) in titrimetry. 378156
Norlin, L.O.
Gyromagnetic ratios of first 2^+ states in ^{126} ^{128} ^{130} ^{132}Xe. 356688
Norman, A.
Effect of radiation and contrast media on chromosomes. 357588
Norman, C.A.
Electromagnetic parametric instabilities in an ultra-relativistic plasma. 350799
A non-linear theory of spiral density waves. 372229
Plasma turbulent reactors. 359142
Norman, C.D.
Radiation damage in magnesium fluoride. 362543
Norman, E.B.
Mass and beta decay of ^{59}Mn . 351401
Normand, E.
Consideration of the effect of iodine plateout on containment post-loss-of-coolant accident doses. 367781
Normand, J.M.
Microscopic description of low-energy neutron scattering by nuclei. 362014
Nornes, S.
Miniature electron bombardment sample evaporation source for ESCA. 354305
Noro, K.
Japanese development program for advanced LMFBR fuels. 379797
Noro, Kenji
Materials for fast experimental reactor 'Joyo'. 379818
Norrington, P.H.
K-shell ionization of atoms by relativistic protons. 377082
Norris, C.B.
Injection-level dependence, frequency response, and thermal quenching of the 1.39-eV luminescence in Sn-doped LPE GaAs. 367340
Norris, D.I.R.
Thermomigration of oxygen in (U, Pu)Osub(2-x) described by a cluster model. 370117
Norris, D.M. Jr.
Computer simulation of the Charpy V-notch toughness test. (UCRL - 79762) 357310
Fundamental study of crack initiation and propagation. Annual progress report, March 1976 - March 1977. (UCRL - 52296) 362434
Norris, P.E.
Collisional behaviour of electronically excited silicon atoms, $Si(3p^2(^1D_2))$, by atomic absorption spectroscopy. 377040
Norris, W.P.
Radiation-induced erythroleukemia in the beagle dog. 367516
Norseev, J.W.
The present status of astatine chemistry. 378460
Norseev, Yu.V.
Gas-thermochromatographic method for astatine separation. Relative yield of astatine isotopes from uranium. 378495
Negative pion capture in chemical compounds. (JINR-E - 15-9658) 349132
North, G.G.
Design and test of a 40-kV, 80-A, 10-msec, neutral-beam power supply series. (UCRL - 79673) 371968
Northcliffe, L.C.
The neutron physics at LAMPF. 372533
Study of the neutron - proton interaction in the 300 - 700 MeV energy region. Annual progress report, 1976 - 1977. (ORO - 4449-22) 366895
Northcutt, K.J.
Fission-product energy release for times following thermal-neutron fission of ^{235}U between 2 and 14000 seconds. (ORNL/NUREG - 14) 372738
Northdurft, W.
Characterization of bone marrow and lymph node repopulating cells by transplanting mononuclear cells into radiated dogs. 370363
Northrop, T.G.
Extensions of guiding center motion to higher order. (ORNL/TM - 5952) 358990
Northrup, C.J.M.
Acoustic emissions during hydride formation. (SAND - 77-0481C) 351671
Northwood, D.O.
Irradiation damage in zirconium and its alloys. 360114
The stability of the β phase in Zr-3wt.% Mo and Zr-3wt.% Mo-1wt.% Al. 378701
Norton, A.
Observation of jet structure in high psub(T) events at the ISR and the importance of parton transverse momentum. 353956
Norton, E.F.
Cyclotron isotopes and radiopharmaceuticals. 357861
Norton, P.R.
Surface structure studies of platinum crystal surfaces by ion backscattering and channeling. 368761
Norum, B.E.
Electroexcitation of the giant resonance of ^{17}0. 356849
Nosachev, Yu.F.
Study on ordering processes in vanadium monocarbide base alloys. 378761
Nosacheva, V.V.
Voltammetric determination of palladium using carbon-paste electrode. 372887
Nosakova, S.M.
Disproportionation of olefins on alumomolybdenum and alumorhenium catalysts, promoted by tetraalkyl of tin derivatives. 349218
Nosal', V.V.
Development and investigation of a two-line tube rolling on the KhPT-55 cold tube rolling mill. 349408
Nosil, J.
Clinical evaluation of the new mathematical lung model for sup(81m)Kr inhalation. (INIS-mf - 4010) 367713
A simple mathematical lung model for quantitative regional ventilation measurement using ^{81}Krsup(m). 349804
Noskova, N.I.
Slip geometry during niobium-molybdenum monocrystal expansion. 370011
Temperature dependence of yield strength and slocational structure of niobium-molybdenum solid solution monocrystals. 370012
Noskova, R.I.
The spectrum of the planetary nebula BD 1 30 deg 3639 in the near infrared region. 377638
Nosov, A.A.
Angular correlations of low-energy charged particles in nuclear disintegrations by high-energy protons. (JINR - 1-8830) 369356
Nosov, V.G.
High-energy inelastic nuclear interactions. 377923
Nosova, G.I.
Some peculiarities of dislocational structure of fine domain ordered Ni_2Cr alloy on early deformation stages. 370013
Nosslin, B.
Clinical analysis of myocardial scintigraphy with ^{99}Tcsup(m)-pyrophosphate. 354944
Notea, A.
Accuracy required for plutonium accountancy in monitoring solid waste streams. (EUR - 5661) 376609
Dual gauging utilizing penetrating and scattered photon fluxes. 363087
Gamma gauge for monitoring moisture in soil. (INIS-mf - 4052) 374315
Monitoring of plutonium contaminated solid waste streams. (EUR - 5635) 374298
On the neutron multiplication problem in the passive neutron assay of plutonium bearing materials. (EUR - 5675) 359347
Nothdurft, W.
Studies on the regeneration of the CFU-C population in blood and

bone marrow or lethally irradiated dogs after autologous transfusion of cryopreserved mononuclear blood cells. 367508
Notis, M.R.
Pressure sintering and creep deformation: a joint modeling approach. Progress report, January 1, 1977 – December 31, 1977. (COO – 2408-4) 362500
Notkin, G.E.
Electron temperature measuring in the Tokamak-6 device by means of laser radiation scattering. (IAE – 2583) 348884
Spectroscopic study on light element impurities in the Tokamak-6 plasma. (IAE – 2484) 348945
X-ray spectra and impurity concentration in the T-10 tokamak. (INIS-mf – 3963) 371751
Notley, M.J.F.
In-reactor measurement of fuel-to-sheath heat transfer coefficients between UO_2 and stainless steel. (AECL – 5400) 360839
Noto, K.
Superconducting properties and microstructure in dilute copper alloys containing small amounts of V_3Ga particles. 373240
Thermodynamic properties of the layered superconductor 2H-$NbSe_2$. 351769
Noto, P.
Environmental isotopic study of the Campi Flegrei (Naples, Italy) geothermal field. 375973
Notteghem, J.L.
Study of the resistance of Oryza sativa to Pyricularia oryzae by applying mutagenic techniques to the parasite. 373724
Nottrodt, H.P.
Study of E2 transition probabilities in ^{194}Pt. 356893
Notvest, K.R.
Method for the detection and monitoring of stepwise crack growth in a construction. (German (F.R.) patent document 2149753/C/) 360746
Notz, D.
Evidence for the F meson. 353947
Measurements of tau decay modes and a precise determination of the mass. 372505
On the origin of inclusive electron events in e^+e^- annihilation between 3.6 and 5.2 GeV. 353772
On the semileptonic decay of charmed hadrons. 356496
Notz, K.J. Jr.
Method to load a weakly acid ion exchanger resin with uranium. (German (F.R.) patent document 2641492/A/) 375528
Nougarede, F.
Underground storage of heat. 376782
Nouza, K.
Regeneration of hematopoietic and lymphoid issues after whole-body irradiation and thiamine diphosphate therapy. 376115
Novaco, A.D.
Orientational epitaxy in adsorbed monolayers. (BNL – 22804) 351869
Novaco, J.C.
Interplanetary baseline observations of type III solar radio bursts. 366775
Interplanetary baseline observations of type 3 solar radio bursts. (N – 77-25043) 364425
Novak, L.
Radioprotective and hypothermic effect of adeturone on mice. 367505
Radioprotective efficacy and the action of the mexamine-cystamine mixture on the respiration exchange in mice. 365387
Novak, Lj.
Radiobiological effects of joint action of alpha radiation (^{210}Po) and quartz dust in the rats respiratory and renal system. 354866
Novak, M.
Deep inelastic muon scattering at 240 GeV. 353967
Hydrolysis of α-acetoxystyrenes. Kinetics and investigations of ^{18}O exchange. 357045
Search for charmed particles decaying into strange particles. 366891
Superconductivity and heavy-current electrical engineering in Czechoslovakia. 366801
Transmission regeneration of Ksub(S)sup(0) mesons on carbon. 353968
Novak, P.
Temperature dependent EPR of octahedral S-state ions in garnets. 377199
Novak, S.
Development of nuclear power plants and safeguarding safe operation thereof. 379281
Effect of changes of nuclear power plants characteristics on nuclear power development in Czechoslovakia. (INIS-mf – 4054) 368150
Project designing and operation of servicing nuclear power plants. 349117
Requirements for operating flexibility of nuclear power plants and their meeting by light water reactors. 371241
Novak, V.P.
Determining aluminium microquantities in alloyed steels. 356961
Novakovskij, V.M.
Radiometric determination of titanium vessel wall corrosion. 351667
Noval'kovskij, N.P.
Synthesis and physicochemical properties of alloys of BiTeI-SbTeI section. 369592
Nove, J.
Deficient recovery from potentially lethal radiation damage in ataxia telangiectasia and xeroderma pigmentosum. 370326
Noveland, T.
Gyromagnetic ratios of first 2^+ states in ^{126} ^{128} ^{130} ^{132}Xe. 356688
Novelline, J.A. Jr.
Impact of containment design on nuclear plant availability. 370931
Novello, M.
Eigenvalue treatment of cosmological models. (CBPF – A0023/76) 355816, 366287
Geometrical models for short-range forces. (CBPF – A0022/76) 355815
November, H.H.
Oscillation densitometer. (German (F.R.) patent document 2636715/A/) 368348
Novendstern, E.H.
CRBRP flow induced vibration program. (CONF-770933 – 1) 363520
CRBRP outlet plenum behavior during steady state and transient conditions. 371027
Novgorodov, A.F.
Gas-thermochromatographic method for astatine separation. Relative yield of astatine isotopes from uranium. 378495
On the ^{194}Au gamma spectrum. 375209
Selective production of short-lived neutron deficient nuclei of yttrium, strontium and rubidium by the use of molybdenium or zirconium as on-line solid target materials. 379367
Selective production of short-lived neutron-deficient isotopes of yttrium, strontium and rubidium using molybdenum and zirconium as on-line solid-state targetmaterial. (ZfK – 332) 372949
Trace diffusion of different nuclear reaction products in polycrystalline tantalum. 355957
Tracer diffusion of several spallation reaction products in polycrystalline β-Zr and β-Ti. (ZfK – 328) 353404
Novichkov, P.V.
Low-temperature transformation in nichromes. 375893
On electric conductivity of precipitation hardening heat resistant alloy on the nickel-chromium base. 369948
Novichkov, V.Kh.
Investigation into reaction of rare earth oxides with LiF-LnF_3 molten systems. (INIS-mf – 4193) 375529
Novick, R.
Effect of vacuum birefringence on the polarization of x-ray binaries and pulsars. 351060
OSO-8 X-ray polarimeter and Bragg crystal spectrometer observations. 369174
Search for thermal X-ray line emission from the Crab Nebula. 359110
Stellar crystal x-ray spectroscopy on OSO-8. (CONF-7510169 –) 364352
X-ray polarization experiment on the OSO-8. (CONF-7510169 –) 364426
Novik, V.A.
On the characterization of an acetylization coenzyme in some animal tissues exposed to chronic irradiation. (INIS-mf – 3912) 373537
Novikov, A.A.
Development and study on sections of Marx generator for power pulse systems. (INIS-mf – 3954) 361648
Optoelectronic functional converter. (Soviet patent document 424187/A/) 358438
Novikov, A.G.
Double-differential cross-sections of slow neutron scattering by water at high temperatures. (INIS-mf – 3895) 355305
Study on the scattering of slow neutrons by reactor materials. (INIS-mf – 3895) 355296
Novikov, A.I.
Beryllium coprecipitation with iron hydroxide. 359753
Construction of standard and correlation matrices in neutron activation analysis of plants. 378167
Coprecipitation of iodide, iodate and periodate ions with hydroxides. 359752
Coprecipitation of thallium (I) with zirconium and iron hydroxides and separation of thallium (I) and thallium (3). 369724
Novikov, B.G.
On selectivity of ion exchange on crystalline antimonic-acid cationite. 349273
Novikov, B.V.
Effect of a surface state on anomalies in exciton spectra of CdS monocrystals at 4.2 K. 374673
Novikov, D.L.
Focusing in the phasotron central region at a positive potential in the discharge chamber of the ion source. (JINR-R – 9-9284) 355216
Novikov, E.G.
Measurement of the ^{3}H spectrum aiming to improve the upper limit for the antineutrino rest mass. 353998
Measurements of β spectra of tritium undertaken for more precise definition of the upper limit for the antineutrino rest mass. 378071
Novikov, G.F.
Consideration of well conditions in interpretation of gamma spectral logs. 360154
Continuous recording of uranium and thorium equivalent concentrations in gamma spectral logging. 360147
Mine gamma spectrometer. 360143
Nonhomogeneous charge neutralization kinetics in nonpolar organic solids (extended abstract). 362241
On the effect of emanation of uranium ores into the well upon gamma logging data. 365286
Novikov, I.D.
Fluctuations in the microwave background caused by anisotropy of the universe and gravitational waves. 366735
The Hawking process at the boundary and inside a black hole. 349019

Particle creation in the vortex cosmological model. 356281
Novikov, I.I.
Superplasticity of metals and alloys with ultrafine structure. 378702
Novikov, L.N.
Spectra of photoconductivity of Ga doped $CdCr_2Se_4$ monocrystals. 377192
Novikov, M.Yu.
On the intensity of the electron synchrotron with cyclotron preacceleration. 350082
Novikov, N.N.
On the role of dislocations in radiative hardening of alkali halide crystals. 348832
Novikov, P.D.
Investigation of cerium-144 sorption on ion-exchange resins from simulated sea water. 365019
Novikov, R.I.
The method of producing zirconium coatings. (Soviet patent document 449115/A/) 359871
Novikov, S.I.
Some problems for constructing of circulation superconducting magnetic systems. (IAE – 2397) 349991
Novikov, S.R.
The anomalous behaviour of the optical properties of ion-implanted germanium. (INIS-mf – 3996) 377256
Novikov, S.S.
Catalytic synthesis of aromatic diisocyanates by means of carbonylation of nitrocompounds with carbon monoxide. 375525
Novikov, V.A.
Cooling of the spin system of semiconductor lattice nuclei in the field of electrons oriented by light. 348833
Naive quark model and deep inelastic scattering. 359303
Strong-interaction effects on the K/sub L/ → 2μ decay and K/sub L/-K/sub S/ mass difference. A reply. 351186
Widths of narrow mesons made from heavy quarks. 364493
Novikov, V.I.
Electrophysical properties of zirconium carbide. 370100
Novikov, V.M.
Hybrid system of fusion and fission reactors on the base of molten fluoric salts with the simplest fuel cycle. (INIS-mf – 3954) 361500
On hydrodynamics of fissile materials. (IAE – 2380) 355122
Novikov, V.P.
Modeling of an inertial system with gas-kinetic confinement of magnetized plasma. (INIS-mf – 3963) 371715
Novikov, V.S.
Thickness gage for measuring coating thickness. 349953
Novikov, Yu.A.
Tunnel diode comparator circuit in the betatron stabilization and energy variation systems. 358001
Novikov, Yu.M.
Determination of plasma parameters by ion energy spectra. (KFTI – 77-1) 377583
Novikova, I.M.
Studying hardening and structural transformations of steel 110G13 during friction. 373163
Novikova, N.R.
On the use of alpha-naphtol in nuclear photography. 368333
Properties of silver chloride track detectors. 360076
Novikova, S.I.
Thermal expansion of germanium telluride. 375869
Novikova, T.A.
Analysis of monomorphic markers of genes in populations as a method of the estimation of multagenicity of the medium. 354734
Novilla, L.Q. de
Stability constants of some complexes of Argentine humic acids and micronutrients. 357662
Novisov, B.S.
Switch pulse shaper for a scintillation spectrometer circuit. 358385
Novkovicj, D.
Air-equivalent mixtures for ionization chambers construction. 371176
Novobilsky, R.
Refined stress analysis of PWR containments in the region of penetrations. (AED-Conf – 76-747-006) 355409
Novoderezhkina, I.S.
Using accelerated electrons for modification of polyethylene film surfaces by the radiation grafting technique. (INIS-mf – 4194) 376288
Novoderezhkina, T.L.
Spectral-luminescent characteristics of Nd^{3+} in the $LaCl_3$-$NdCl_3$ system. (INIS-mf – 3955) 362169
Novogrudskij, V.N.
Hall effect in Mn_3B_4. 373245
Novokreshchenov, P.D.
Effect of low-melting metal coatings on internal friction of cold-worked nickel of different grain size. 365164
Novomesky, P.
PMR spectroscopy of Ca(II) complexes of ethylenediamine-N,N,N',N' – tetraacetic acid. 348719
Novoselov, G.M.
Estimated neutron cross section at V = 2200 m/sec and resonance integrals of isotopes with Z = 57-71. (INIS-mf – 4043) 362060
The evaluated neutron cross sections and resonance integrals of fission products with Z = 57-62. (KIYI – 76-6) 356756, 375173
Novoselov, G.P.
Basic problems of fast-reactor fuel recovery. 367193
Decladding of BOR-60 and BR-5 fuel elements by clad melting. (NIIAR-P – 17(283)) 359840
On the high-temperature interaction of Zr + 1% Nb alloy with compacted uranium dioxide. 359967
Thermal decladding of BOR-60 fuel elements. (IAEA-AG – 63-16) 363489
Thermal opening of irradiated uranium oxide fuel elements of BR-5 reactor with fuel separation by solution. 375747
Novoselov, S.K.
Electrical properties of glass of Ag-As-Te system from $Ag\text{-}As_2Te_3$ section. 378361
Novoselova, A.V.
Investigation into T-x-projection of the phase diagram of SnS_2-SnI_4 system. 359991
Pressure of saturated vapour of crystalline bismuth oxyiodide BiOI. 359633
Study of P-T-x phase diagram of the tin-tellurium system. 369655
Study of ternary system of $KF\text{-}BeF_2\text{-}DyF_3$. 378202
Study on interaction of zirconium and hafnium tetrafluorides with calcium fluorides. 369693
Novoselova, E.G.
Early radiation induced impairment of cholesterol, squalene and ubiquinone metabolism in the rat liver. 362680
Novosil'tseva, N.I.
Fracture characteristic anisotropy of the OT4-1u and VT14 alloy sheets with different hydrogen content as dependent on loading conditions. 375827
Novotna, P.
Analysis of compound spectrum peaks. (INIS-mf – 4143) 374365
Selected problems in calibrating semiconductor detectors. (INIS-mf – 4143) 374311
Novotny, D.
The technological centre – a new system for producing radioactive preparations at the Rossendorf Central Nuclear Research Institute. 360667
Novotny, J.
A non-static source of the Taub solution of Einstein's gravitational equations. 353089
Novotorov, Yu.N.
Reactions between dicyclopentadienyl vanadium and RHgCl. 351552
Novotortsev, V.M.
Synthesis and magnetic properties of the vanadium carboxylate complexes. 369621
Novozhilov, A.L.
On calculation of gases solubility in molten halogenides of alkali metals. 364978
Novozhilov, N.M.
Providing for the necessary quantity of delta-ferrite in metal of austenite-ferrite welds. 375798
Novozhilov, O.A.
The anomalous behaviour of the optical properties of ion-implanted germanium. (INIS-mf – 3996) 377256
Novozhilov, V.Yu.
Deep-inelastic scattering of leptons on virtual particles. 375052
Novruzov, O.N.
Magnetic susceptibility of (SiTe)sub(1-x) – (A^3Te)sub(x). 370015
Nowacki, P.J.
Hydrogen as the new energy vector. 368181
The production of refined intermediate fuels with high temperature reactors. 365940
Nowak, E.J.
Conversion of waste Zircaloy hulls to zirconate ion exchange materials for waste stabilization. 368373
The Sandia solidification process – A broad range aqueous waste solidification method. 358492
Nowak, G.
Inclusive data in proton-nucleus collisions at 67, 200, and about 3000 GeV. (INP – 872/PH) 375063
Velocity dependence of $O(^3S)$ production in collisions between metastable oxygen atoms and various gas targets. 358798
Nowak, J.
Procedure for making spherical oxide- or carbide-ceramic particles. (German (F.R.) patent document 1542346/C/) 351689
Nowak, K.
Control of radiochemical purity of sodium oxalate-^{14}C preparations. 354394
Determination of complexation degree of some metal ion with EDTA and DTPA by thin layer radiochromatography. 373026
Influence of changes in the basic assumptions underlying computation upon the calculated pressure development in the containment during a LOCA. 367782
Nowak, S.
Inclusive production of charged pions in K^-p interactions at 32 GeV/c. 353960
Spin-parity analysis of the diffractively produced low-mass Nπ systems in the reaction $\pi^-p \rightarrow \pi^-(N\pi)^+$ at 16 GeV/c. 369382
Nowak, T.
Transport experience with Type A and Type B packages in Poland. 350013
Nowak, Z.
Radiolytic and chemical transformation of solvents used in nuclear fuel reprocessing. (INR – 1557/17/C/B) 373072
Nowakowska, Z.
The granulation of uranium trioxide and ammonium diuranate. (INR – 1585/4/C/B) 375753
Nowell, D.V.
Synthesis and ammonium ion exchange of α-zirconium phosphate prepared from zirconia. 369634
Nower, T.M.
A study of the $^{39}K(d,\alpha)^{37}Ar$ reaction. 356697
Nowicki, G.
Nuclear radii and magnetic moments of ^{128}/sup ,/^{131}Ba from high-resolution laser spectroscopy. 351399

Nowicki, J.A.
Westinghouse high-density spent fuel rack design. 352663
Nowicki, M.
Levels in ^{130}Ba fed from ^{130}La decay. 354179
Nowicki, W.
Silicon spectrometer with a Peltier refrigerator. 355503
Nowikowski, J.
Preliminary investigations of a non-cylindrical Z-pinch supplied from a 25 kJ current generator. 353603
Nowitzki, F.
The control and shutdown system of the KNK-II. 376469
Nowlan, V.J.
Reactivity of cyclic and acyclic olefinic hydrocarbons in acid-catalyzed hydration. 378237
Nowosielski, J.
Adaptation of the industrial betatron produced in Poland for medical applications (preliminary dose measurements). 367832
Nowotny, R.
The use of silicon PIN-photodiodes as a low-energy photonspectrometer. 371124
Noya, H.
Measurement and MIA analysis of the neutron differential cross section and polarization in the α-D break-up at 33 MeV c.m. 354230
Noyes, P.
New look at the nuclear force. (SLAC-PUB – 1601) 377924
Noyes, R.C.
Control rod and/or instrument tree assembly. (US patent document 4,045,283/A/) 374186
Optimization system design studies of advanced carbide fuel. 379739
Noz, M.E.
Covariant harmonic oscillators and excited baryon decays. 353851
Nozaki, Kazuhiro
Thermonuclear reaction wave in high-density plasma. 371966
Nozaki, Tadashi
Proposal of accelerator installation in hospitals in view of radioisotope production. 350083
Nozawa, S.
Current status of reactor safety research in the Japan Atomic Energy Research Institute. 352268
Nozdrin, A.A.
Investigation of the detecting properties of a counter filled with solid argon. 350301
Nozhkin, M.D.
Corrosion behaviour of metals in the production of lead. 359837
Nozu, K.
Differential causes of mutation and killing in Escherichia coli after psoralen plus light treatment: monoadducts and cross-links. 367469
Ultraviolet sensitivity of Vibrio parahaemolyticus, a causative bacterium of food poisoning. 360242
Nozu, Takashi
Absorption, distribution, metabolism and excretion of ^{14}C-chlorphenesin carbamate in rats. 379194
Nozue, Yukinari
Liquid metal cooled nuclear reactor. 368228, 368229
Safeguarding apparatus for liquid metal cooled nuclear reactors. 350259
Nsabimana, M.
Optical properties of F centers in KCN crystal. 354630
Nubbemeyer, H.
Experimental Stark widths and shifts of uv and vuv carbon I lines (resonance transitions 2p3s ^{3}P/sup o/$_{0\ 1\ 2}$ – 2P^2 ^{3}P$_{0\ 1\ 2}$ and transitions to low-lying quantum states). 350912
Nuckolls, J.H.
High performance inertial fusion targets. (UCRL – 79373) 377502
Laser fusion targets. (UCRL – 52000-77-8) 377500
Laser-induced implosion and thermonuclear burn. 371969
Scaling of exploding pusher targets. (UCRL – 79834) 377501
Simulations of intermediate density laser fusion targets: recent progress in design and analysis. (UCRL – 80005) 374842
Nudelman, S.
Improved instrumentation and techniques for non-invasive detection, characterization and quantification of atherosclerosis for research and diagnostic purposes. Annual report, 23 Jun 1975 – 22 Mar 1976. (PB – 268227) 365472
Nuehrenberg, J.
Stable toroidal MHD equilibria with rotational transform and without longitudinal current. (INIS-mf – 3963) 353583
Nuesch, K.
Results of the use of a sup(99m)Tc labelled pharmaceutical for bile duct scintigraphy. (INIS-mf – 4010) 370505
Nuesslin, F.
Functional scintigraphy after radiotherapy of the skeleton – an experimental investigation on animals and a clinical investigation. (INIS-mf – 4010) 357675
Nugent, G.
Implementation of Egypt's first nuclear power plant. 352535
Nuh, F.M.
Delayed neutrons and high-energy γ-rays from decay of ^{87}Br. 372800
Nuic, M.
On the value of sequential scintigraphy for the investigation of the transplanted liver. (INIS-mf – 4010) 367707
Sequential hepato-spleno-scintigraphy in chronic liver diseases. (INIS-mf – 4010) 367708
Nulle, S.A.
Determination of copper and rhodium trace amounts in niobates. (INIS-mf – 4188) 378146
Nullens, H.
A method for the accurate description of the full-energy peaks in non-linear least-squares analysis of X-ray spectra. 355692
Nulman, R. de
Aquatic organism contamination by mercury residues in the Coatzacoalcos river estuary, Mexico. 380161
Numa, Shosaku
Isolation of Saccharomyces cerevisiae mutants defective in acyl coenzyme A synthetase. 373767
Numakunai, T.
Activation analysis of vanadium in the egg of ascidian. 372872
Numao, T.
Study of the side band in ^{188}Pt. 369498
Numata, Yuichi
Precision of neutron activation analysis for environmental biological materials. 359554
Nunn, A.D.
A reaction of cobalt bleomycin with dissolved oxygen. 373027
Nunnally, W.C.
Design and fabrication of a radially-fed implosion heating coil. (LA-UR – 77-2452) 371882
Nunome, K.
Effect of irradiation temperatures on hydrogen atom reactions in neopentane and its mixtures irradiated at 4.2 and 77°K as studied by electron spin resonance. 357153
Nurgaliev, R.M.
Optimization of the thermal scheme of a power plant with a non-equilibrium MHD generator and a "Tokamak" type reactor. (INIS-mf – 3954) 361756
Nurgozhin, N.N.
Gas filling of a streamer chamber by the blowing technique. 371121
Nuriev, K.Z.
Energy loss and appearance of the distribution function of an electron beam interacted with plasma in dependence on the beam axis distance. 353579
Nurieva, T.V.
Corrosion resistance of metallic materials in molten magnesium chliride. 362306
Nuritdinov, Kh.
Calculations of electron-nuclear cascade characteristics at E_0 approximately 10^{13} eV. 361665
Nurkhodzhaev, A.D.
Study on characteristics of scintillation detectors with elongated configuration. 363545
Nurlygayanov, F.B.
Generalized WKB method in a three-dimensional case. 4. 374596
Generalized WKB method in a three-dimensional case. 5. 376953
Nurmukhamedov, V.Kh.
Effect of temperature on adhesion interaction of polycrystallic diamond and elboron contacting with metals. 365177
Nurpeisov, B.
Estimation of energy dependence accuracy of anti ν for major fissile materials. (INIS-mf – 3896) 356861
Nurseitova, T.Eh.
Investigation into surface properties of aluminium-chromium-molybdenum catalysts. 378289
On thermodesorption of hydrogen from aluminium-chromium-molybdenum catalysts. 378288
Nurul Islam, A.B.M.
Problems faced by Bangladesh in introducing a nuclear power programme. 371329
Nurulaev, E.
Gamma- and thermoluminescence spectra of artificial diamonds doped by impurities. 349309
Nurzynski, J.
Investigation of possible Asub(yy)=1 points in ^{6}Li(d,α)^{4}He and other deuteron induced reactions. 378052
Investigation of the 1$^+$ resonance in ^{6}Li by d-α scattering between 6 and 7 MeV. 354202
Shell closure effects in the elastic scattering of polarized deuterons. 378039
A study of the 1$^+$ resonance in ^{6}Li via ^{4}He(d,d) scattering from 6-7 MeV. 377999
Tensor potentials in the optical model for elastic scattering of polarized deuterons by medium heavy nuclei. 377869
Nusinovich, G.S.
System for SHF plasma heating in the "T-10M" facility. (INIS-mf – 3954) 361485
Nussbaum, C.
Alpha-alpha final-state interaction in the ^{6}Li(α,αd) reaction at 42 MeV. 354160
Nussbaum, M.
Further evidence for production of electrons with small transverse momenta in pp collisions. 377784
Nussinov, S.
Quark model relation for kaon charge radii. 356419, 372426
Nustrova, V.S.
Determination of phosphorus in tungsten-containing materials using its separation with beryllium hydroxide. 378138
Nuti, R.
Study of the intestinal radiocalcium absorption by external counting in man. (INIS-mf – 4010) 370438
Nutt, W.T.
Measurement of pion-nucleus total cross sections as a test for the existence of a pion condensate. 372594
Pauli correlations in heavy-ion collisions at high energies. 375109
Pion production and absorption in nuclear reactions. I. The vertex function. 364708
Pion-nucleon vertex function and the Chew-Low model. 364535

Nuvolone, R.
Technology of low-pressure systems-establishment of optimum conditions to obtain low degassing rates on 316 L stainless steel by heat treatments. 360589
Nuyts, J.
Magnetic monopoles in SU(4) gauge theories. 358637
Nuzhdin, N.I.
Time dependence of the yield of chromosome mutations and free radicals in γ-irradiated dry seeds. 370333
Nuzzo, S.
Strange particle production by antineutrinos. 356505
Nvostruev, V.A.
Radiolysis of potassium nitrate and potassium perchlorate in heterogeneous solid-phase systems. 373089
Nwachuku, C.O.
Eigenvalues of the Casimir operators of the orthogonal and symplectic groups. (IC – 75-137) 361301
On dimensional regularisation and current commutators in quantum electrodynamics. 366859
Nwosu, B.C.E.
Public acceptance of nuclear power. Some ethical issues. 370520
Nyako, B.
Automatic spark counting of alpha-tracks in plastic foils. 352826
Nyanishkene, V.B.
Accumulation of ^{210}Pb by freshwater plants. 367609
Nyarady, J.
Study of DNA metabolism of lymph-node cells by direct lymphatic administration of tritiated thymidine. 370443
Nyavro, V.F.
Theoretical study of electron energy spectrum in metals and metallic alloys. 371591
Nyberg, G.L.
Study of KLL Auger processes for light elements above Z = 10. (CONF-770579 – 1) 355867
Nyman, E.M.
Abnormal phase in dense neutron star matter. 362015
Convergence of the hole-line expansion in nuclear matter. 361977
Probing the pion field in nuclei. 354094
Three-body forces in nuclei and the sigma-model. 354095
Nyman, G.
New neutron-deficient tellurium, iodine, and xenon isotopes produced by reactions of 290 MeV ^{58}Ni ions on ^{58}Ni and ^{63}Cu targets. 364793
Nyunka, V.
Luminescence of Znsub(x)Cdsub(x-1)Te on the absorption edge at high excitation. 371557
Nyushkov, A.V.
Six-channel feedback system for suppression plasma helical instabilities. (INIS-mf – 3954) 361620
O'Beirne, T.H.
A note on the generalisation of Aitken's delta^2 transformation. 374621
O'Brien, C.J.
Method and plant to remote tritium from the cooling water of a nuclear reactor. (German (F.R.) patent document 2545001/A/) 370672
O'Brien, D.
Search for high energy γ-ray bursts from evaporation of primordial black holes. 374903
O'Brien, H.A.
The production of medically useful radioisotopes at the Los Alamos Meson Physics Facility. (INIS-mf – 4010) 356850
O'Brien, J.J.
Reorientation measurements on tungsten isotopes. 366999
O'Brien, J.T.
Inelastic electron scattering from low-lying states in the nuclei ^{36}Ar and ^{40}Ar. 356760
O'Brien, K.
The effect of the male-female body-size difference on absorbed dose-rate distributions in humans from natural gamma rays. 370657
Monte Carlo calculations of the energy response of lithium dosemeters to high energy electrons (<30 MeV). 350324
O'Brien, L.J.
The correlation of peak ground acceleration amplitude with seismic intensity and other physical parameters. (PB – 263972) 362989
O'Brien, P.M.
Electrical circuit for an ultrasonic impulse echo process for the measurement of wall thickness of test pieces. (German (F.R.) patent document 2643300/A/) 355627
O'Brien, R.
Cross sections for ^{18}O(α,n/sub 3,4/γ)^{21}Ne reactions populating the (1/2$^-$,1/2$^+$) doublet. 364826
O'Brien, W.J.
Reactor operator screening test experiences. (EPRI-SR – 28) 352979
O'Connell, R.F.
Attractive spin-spin contact interactions in the Einstein-Cartan-Sciama-Kibble torsion theory of gravitation. 363821
Post-Newtonian two-body and n-body problems with electric charge in general relativity. 350477
O'Connell, T.
Autoaccelerator: a generator for producing a high energy intense relativistic electron beam by the autoacceleration process. 363177
O'Connor, D.J.
A correction factor to the interatomic potential screening function for use in computer simulations. 364080
O'Connor, M.K.
Kinetic study of [^{131}I] iodide and [/sup 99m/Tc] pertechnetate in thyroid carcinoma to explain a scan discrepancy: case report. 352117
Protective effect of high concentrations of vitamin C on the radiation response of Chinese hamster ovary cells. 354787
O'Dell, J.W.
Validity study of the 16PF in terminal air traffic control work. (EPRI-SR – 28) 352957
O'Dell, R.D.
Standard interface files and procedures for reactor physics codes. Version IV. (LA – 6941-MS) 374129
O'Dell, S.L.
A study of the planetary nebulae Abell 30 and Abell 78. 356205
O'Donnell, A.J.
Uranium enrichment: institutional considerations. 363064
O'Donnell, F.R.
Generic environmental statement on the routine use of plutonium-powered cardiac pacemakers. (ORNL – 5171) 367727
O'Donnell, J.E.
Estimation of serum folate by a radioassay and a continuous-flow method, compared with an established microbiological tube assay. 373679
O'Donnell, J.H.
Depropagation reactions in the dopolymerization of vinyl chloride and sulfur dioxide. 378505
Evaluation of crosslinking and scission yields in the degradation of polystyrene by γ-irradiation in air. 378538
Evidence of crosslinking and chain scission in the degradation of poly(tert-butyl crotonate) by γ-irradiation. 373073
Nature of the side chain branches in low density polyethylene: volatile products from gamma radiolysis. 351631
O'Donnell, P.J.
Nonlinear chiral models and many-dimensional solitons. 359227
Theory and phenomenology of radiative meson decays. 359304
O'Donnell, P.S.
The substrate-dependent photoinactivation of urocanase from rat liver. 354738
O'Donnell, T.A.
Preparation and properties of plutonium oxide tetrafluoride. 359724
O'Donovan, P.J.
Bremsstrahlung analogy. 353790
O'Fallon, J.R.
High-P/sub transverse/^{2} p-p elastic scattering in pure initial spin states. 359343
Spin-spin interactions in high-transverse momentum elastic p-p scattering. 359344
O'Fallon, N.
Beryllium-reflected coal analytical assembly using ^{252}Cf neutron-capture gamma rays. 378107
O'Fallon, N.M.
Neutron induced gamma spectrometry for on-line compositional analysis in coal conversion and fluidized-bed combustion plants. (CONF-771072 – 3) 378118
O'Halloran, T.
Recent results from counter-spark chamber ν experiment at BNL. 353980
O'Hanlon, H.
Operation of the CERN-ISR for high luminosity. 363222
O'Hara, D.K.
Method and composition for removing iodine from gases. 362332
O'Hara, F.A.
Comparison of advanced reactor potentials. 379699
O'Hare, P.A.G.
Thermochemistry of uranium compounds. 351539, 357110
O'Kelley, G.D.
Mass asymmetry and total-kinetic-energy release in the spontaneous fission of ^{262}[105]. 369464
O'Malley, T.F.
The electron-helium scattering length. 366361
The low energy scattering of electrons from atomic helium using the R-matrix method. 368611
O'Mara, R.E.
Gallium imaging in pediatrics. 373659
O'Nan, A. Jr.
Filter material charging apparatus for filter assembly for radioactive contaminants. (US patent document 4,049,405/A/) 373886
O'Neal, W.C.
Experimental laser fusion devices and related vacuum problems. (UCRL – 79176) 358991, 368980
Optical engineering problems associated with construction of the Shiva Laser Fusion Facility. (UCRL – 80004) 361546
Shiva target irradiation facility. (UCRL – 79784) 377476
O'Neale, S.W.
Energy-dependent cross sections for K$^-$ neutron interactions in the CM energy range 1750-2200 MeV from five K$^-$ deuterium bubble chamber experiments. 356500
O'Neil, R.
Integrity of pressure vessels. 373848
O'Neill, A.J.
Preliminary study of the favorability for uranium in the Madera Limestone, and Cutler and Chinle Formations of the Sierra Nacimiento-Jemez Mountains area, New Mexico. (GJBX – 4(78)) 378885
Preliminary study of the uranium potential of Tertiary rocks in the central San Juan Basin, New Mexico. (GJBX – 78(77)) 378884
O'Neill, G.K.
Search for narrow resonant states in e$^+$e$^-$ collisions near 6 GeV. 351208
O'Neill, G.M.
Reactive scattering of atomic oxygen. 376992

O'Neill, P.
Formation of radical cations and zwitterions versus demethoxylation in the reaction of OH with a series of methoxylated benzenes and benzoic acids. 357172
Pulse radiolysis and electron spin resonance studies on the formation of phenoxyl radicals by reaction of OH radicals with methoxylated phenols and hydroxybenzoic acids. 367175
O'Neill, R.V.
Functional complexity and ecosystem stability: an experimental approach. (ORNL/TM – 6199) 378883
Transmutations across hierarchical levels. (CONF-770730 – 1) 360155
O'Nions, R.K.
Sm-Nd dating of Archaean basic and ultrabasic volcanics. 357469
O'Raifeartaigh, L.
Mass-spectrum for monopoles of integral isospin bag-model as the high isospin limit. 377760
Present status of supersymmetry. 363822
O'Reilly, P.
Assessment of CRBRP containment response to a hypothetical core melt-through accident. 352269
O'Reilly, P.H.
Renography and diuretic techniques in equivocal pelviureteric junction obstruction. (INIS-mf – 4010) 357699
O'Riordan, M.C.
Design and performance of major body-monitoring facilities. 371112
O'Rourke, J.A.
Irradiation test OF-2: high-temperature irradiation behavior of LASL-made fuel rods and LASL-made coated particles. (LA – 6988-MS) 374229
O'Rourke, R.C.
Investigation of the resistive phase in high power gas switching. Research and development report. (UCRL – 13776) 374021
O'Sullivan, C.
Search for high energy γ-ray bursts from evaporation of primordial black holes. 374903
O'Sullivan, D.
High resolution study of nucleonic cosmic rays with $Z >= 34$. 368290
Measurement of the cosmic ray element abundances between approximately 300 and approximately 750 MeV/N in the region from nickel to krypton using Lexan track detectors. 368291
O'Sullivan, J.D.
Observations of 15 southern extragalactic sources with the Fleurs synthesis telescope. 356203
O'Sullivan, W.J.
Autocorrelation spectroscopy studies of single and multiple scattered light from a critical fluid mixture. 350547
Oades, G.C.
Baryon decays and SU(3) breaking. 366846
Measurement of differential cross sections for elastic K^+p scattering in the momentum range 0.7 to 1.9 GeV/c. 372511
Oakes, E.J.
Gas-cooled reactor circulators. 379697
Oakes, R.E. Jr.
High strain rate tensile properties of annealed 2 1/4 Cr – 1 Mo steel. 357289
Oakes, R.J.
Weak neutral currents and photoproduction of lepton pairs. 356448
Oakes, T.W.
Planning for unplanned releases. (CONF-770916 – 3) 362603
Quality assurance applied to an environmental surveillance program. (CONF-771113 – 8) 378937
Subsurface investigation of the Energy Systems Research Laboratory site at Oak Ridge National Laboratory. (ORNL/TM – 5695) 351942
Ob"edkov, A.M.
Effect of additions on oxidation of zirconium borohydride. 373007
Ob"edkov, V.D.
An analog of the Mott scattering by a spin-zero target of spin 1 or 0 structured particles. 366860
Polarization effects in inelastic electron-atomic collisions involving a change of the atomic spin. 374611
Ob'edkov, V.D.
Polarization effects in inelastic exchange scattering. 353320
Oba, Hiroshi
Bilateral femoral neck fractures following pelvic irradiation. 354816
Obanawa, Heiichiro
Oxidizing agent and reducing agent. 360560
Obara, K.
Graphite surface erosion by 100 keV helium and hydrogen bombardment. 373385
Surface erosions by energetic helium and hydrogen bombardment of molybdenum and pyrolytic graphite. 368993
Obara, Katsuaki
The rapid heating test of zircaloy-2 tubes. (PNCT – 831-77-01) 379563
Obara, Kenziro
Observation on surface deformation of pyrolytic graphite bombarded by 100 keV He^+, H^+ ions. 354619
Sputtering yield and surface observation of molybdenum honeycomb walls. (JAERI-M – 7216) 378810
Sputtering yield measurement on first wall materials of thermonuclear fusion devices. 359018
Obayashi, H.
Radio-frequency plugging of mirror and point cusp ends. (INIS-mf – 3963) 372084
Space and time evolution of two nonlinearly coupled variables. (IPPJ – 273) 353604
Obcharenko, E.P.
The posterity of rat females poisoned with plutonium-239. 352066
Obenberger, J.
Distribution of intravenously injected [^{86}Rb] in different tissues of the rabbit eye. 357620
Obenhaus, W.
The environmental compatibility examination in nuclear licensing. 352980
Obenshain, F.E.
Time-differential perturbed angular correlations using ^{161}Dy. 359972
Ober, T.G.
Theory, capabilities, and use of the three-dimensional reactor operation and control simulator (ROCS). 374130
Oberacker, V.
The dependence of Coulomb fission on nuclear structure. 367000
Oberdorfer, M.
Comparison of different methods for measurement of tubular clearance; PAH steady state method, whole-body measurements and compartment analysis of gamma camera mode renograms. (INIS-mf – 4010) 362803
Double-radioisotope renal clearance measurement with a partially shielded whole-body counter for the determination of renal filtration fraction; methods and clinical results. (INIS-mf – 4010) 362731
A new method for the determination of renal clearance and estimated errors, using gamma camera measurements. (INIS-mf – 4010) 362828
Oberhausen, E.
The use of ejection fraction, heart-minute-volume and time-dependent volume changes of the heart, determined with nuclear medicine methods. (INIS-mf – 4010) 362801
Oberhofer, M.
Selected topics in radiation dosimetry. 355565
Oberhummer, H.
The Coulomb potential of spherical nuclei. 359395
A detailed analysis of the reaction ^{92}Zr(p, α)^{89}Y. 377891
Oberlack, H.
Evidence for the F meson. 353947
Measurements of tau decay modes and a precise determination of the mass. 372505
On the origin of inclusive electron events in e^+e^- annihilation between 3.6 and 5.2 GeV. 353772
On the semileptonic decay of charmed hadrons. 356496
Oberlin, C.
Carbon transfer between 2 1/4 Cr 1 Mo alloy and austenitic steels (experiments in anisothermal loops). (CONF-760503 – P2) 352718
Oberman, C.
Drift-convective cells in a nonuniform plasma with magnetic shear. (PPPL – 1351) 350894
Oberscheidt, M.
Separation and detection of rare-earth elements from an uranium matrix by thin-layer chromatography. 375286
Oberschmid, R.
Munich heavy ion post accelerator. 363308
Oberst, E.F.
Analysis of three-phase power-supply systems using computer-aided design programs. (UCRL – 79611) 371970
Obert, W.
Negative ions produced from clusters for plasma heating. (INIS-mf – 3963) 371742
Production of intense condensed molecular beams (cluster beams). 358992
Oberthuer, R.C.
Studying the structure of DNA-solutions by light-, X-ray-, and neutron diffraction. 375530
Obhanetsky, M.A.
Quantum completely integrable systems connected with semi-simple Lie algebras. 353126
Obiki, T.
Alfven-wave heating experiment in the heliotron-D. 364235
Shear Alfen wave heating experiment in the Heliotron D. (INIS-mf – 3963) 372070
Obinyakov, B.A.
Polarized neutron intensive beam on a vertical reactor channel. 371063
Oblekowska, K.
Electron beam melting of armco iron, kovar and copper. 365680
Oblivantsev, A.N.
Radioactivation method for determination of small amounts of carbon in fluorophosphate glasses. 378093
Oblow, E.M.
Analysis of a neutron scattering and gamma-ray production integral and experiment on silicon dioxide for neutron energies from 1 to 15 MeV. (ORNL/TM – 6145) 377837, 377838
Analysis of neutron scattering and gamma-ray production integral experiments on nitrogen for neutron energies from 1 to 15 MeV. 356533
Oblozinsky, P.
Measurement of (n,2n) and (n,p) cross sections at 14,7 MeV. 356784
Pre-equilibrium decay with light ion emission. 354152
Obodnikov, V.I.
Radiative recombination in silicon on complexes containing hydrogen. 350762
Obol'yaninova, V.G.
Choice of optimum conditions for X-ray spectral analysis by the method of internal standard and their application to certification of standard samples. 364903
Oboznenko, Yu.V.
Cd^2, Cu^2, Pb^2 compounds with cinnamic acid. 375550

Obraztsov, V.F.
J/psi particle production in π⁻-N interactions at 27 and 40 GeV/c. 369364
Obrosov, V.P.
Galvano-tensometric effect in ionic crystals. 378362
Obrusnik, I.
Digital calculation of peak area and the threshold of determinability in activation analysis. (INIS-mf - 4143) 374349
Tantalum determination in standard steels by instrumental neutron activation analysis and absorption spectrophotometry. (INIS-mf - 4143) 372916
Obrzut, J.
Low-swelling stainless key to LMFBR development. 367341
Obst, A.W.
Carbon-12 precipitation rate and the 3α process in stellar helium burning. 354162
Mutual excitation near the Coulomb barrier in the $^{12}C + {}^{12}C \rightarrow {}^{12}C^* + {}^{12}C^*$ reaction. 351338
Obst, B.
Phase transition from the triangular to the square flux line lattice in type II superconductors with small kappa. 377689
Obukhov, A.V.
Coefficients fsub(k) and gsub(k) in the theory of atomic Feynman diagrams in the case of several open shells. 368686
Obukhov, P.I.
Volume steam compensator. (Soviet patent document 453123/A/) 355306
Obukhov, S.A.
Negative piezomagnetoresistance of p-InSb at low temperatures. 374755
Obukhov, V.A.
Thermoionization efficiency in the ion source cavity. 355071
Obukhov, V.V.
Probability of the spin flip in 6 MeV proton inelastic scattering on ^{26}Mg. 378074
Obukhov, Yu.V.
Investigation of the muonium stage of μ^+ meson depolarization in germanium. 368824
On participation of unsolvated electron in chemical reactions in alcohol solutions. 369735
Obukhova, M.E.
Investigation into radiation stability of organic fluoro-chlorine compounds. (RI - 58) 378548
Occhionero, F.
Jeans instability in Lemaitre universes. 356298
Ochi, K.
Separation of uranium isotopes by accelerated isotope exchange reactions. (US patent document 4,049,769/A/) 373912
Ochi, Kazushi
Pre-treatment method of filling layer. 367851
Ochiai, F.
Inclusive Λ, anti Λ and $\Sigma^{+-}(1385)$ production in 405 GeV/c pp interactions. 377810
Some features in rapidity space of multiparticle production by proton-proton collision at 102 GeV/c. 353970
Ochiai, I.
Current density profile of noncircular tokamak. (INIS-mf - 3963) 372062
Ochiai, Ken-ichi
Determination of deuterium in metal by vacuum fusion-mass spectrometric method. (PNCT - 831-76-01) 378182
Ochiai, M.
Liquid - liquid contact in vapor explosions. (CONF-761001 - P4) 362990
Ochiai, Yoji
Determination of O/M ratio for mixed oxide fuel, (3). (PNCT - 831-76-01) 379798
Image analysis of nuclear fuel, (3). (PNCT - 831-77-01) 379567
Image analysis of nuclear fuel, (4). (PNCT - 831-77-01) 379575
Thermal densification of mixed oxide fuels. (PNCT - 831-77-01) 379574
Ochinskaya, G.K.
On different types of hereditable changes in the viability of Amoeba protens cells x-irradiated with varying doses. 352010
Ochkur, A.P.
The potentialities of nuclear geophysical methods in ore testing of ferrous metals. 365287
Ochkur, V.I.
Second Born approximation in electron-atom scattering. 353321
Ochoa, M.
H/D exchange in electrolytic reduction reactions of phenyl ketones. 362175
Ochs, G.
Testing of a graphite based extinguishing powder for use on liquid metal fires. (KFK - 2525) 376579
Ochsenfeld, W.
Development and status of LMFBR fuel reprocessing in the Federal Republic of Germany. (IAEA-AG - 63-6) 362318
The highly shielded extraction facility MILLI at Kernforschungszentrum Karlsruhe (KFK). 360695
TBP separation from aqueous purex solutions with the aid of a new adsorption resin. 369840
Ocio, M.
Neutron diffraction study at 0.04 K of the perovskite of aluminium and holmium. 355991
Ockels, W.J.
The γ-ray quasi-continuum spectrum of highly excited nuclei investigated with a multiplicity filter. (INIS-mf - 4267) 378075
Absolute cross sections determination for $^{160}Gd(\alpha,xn)$ reactions. (ZfK - 336) 364756
Average multipolarities of quasi-continuum transitions measured with a mini-orange spectrometer. (INIS-mf - 3946) 349135
OConnell, R.F.
Perihelion precession for the charged two-body problem in general relativity. 363749
Ocsai, M.
Development of the national nuclear programme and preparations for the introduction of nuclear power in Hungary. 371332
Octave-Prignot, M.
Pre-therapeutic radiobiological experiments performed at Cyclone with d(50)-Be neutrons. Comparison of RBE/absorbed dose relationships obtained for several biological criteria. 379047
Oda, Akira
Method of detecting failed fuels within reactor. 350210
Oda, Eisuke
Environmental tests of electric cables for nuclear power plants. 374161
Oda, M.
Cyg X-1 a candidate of the black hole. 361723
Development of an in-core flow meter for the LMFBR. (CONF-760503 - P2) 352742
Flow measurement by ultrasonic method. (CONF-760503 - P2) 352714
Short-term variability of CYG X-1. 377639
Temporal and spectral variation of Cyg X-1. 356299
Oda, Minoru
Observation project of cosmic gamma-ray burst. 377667
Wide range energy spectrum of ScoX-1. 377632
Oda, N.
Absolute doubly differential cross sections for ejection of secondary electrons from helium by electron impact. 353322
Doppler profile measurements of Balmer-α by electron impact on simple molecules. 358761
Oda, S.
Measurement of density modification of laser-fusion plasmas. 371732
Oda, Y.
Lanthanum diluted cerium magnesium nitrate thermometer for milli-kelvin region. 360622
Practical design of a heat exchanger for dilution refrigeration. 376322
Odajima, A.
Formation of layer-like voids in irradiated polytrioxane. 365242
Interchain ordering in amorphous solid polyethylene. 370248
Odajima, Akira
Melting behavior and irradiation effect in poly(trioxane). (JAERI-M - 7086) 367172
Odajima, K.
Behaviour of superthermal electrons in the scrape-off layer of DIVA. 372099
Formation of a light-impurity-free plasma in DIVA. 374846
Odajima, Kazuo
Intensity calibration of a vacuum monochromator in a wavelength region of 1000-2000A and spectroscopic measurement in DIVA. (JAERI-M - 7217) 366635
Odajina, K.
Reduction of power loss due to heavy impurities in Diva. (INIS-mf - 3963) 372098
Odaka, Kazuhiko
Second class current and anomalies in neutrino reactions. 353871
Oddershede, J.
A $^1Pi - X\ ^1\Sigma^+$ band system in CH^+ and CD^+: theoretical spectroscopic constants and lifetimes. 351006
Analysis of excitation energies and transition moments. 368687
Coupled Hartree-Fock and second order polarization propagator calculations of indirect nuclear spin-spin coupling constants for diatomic molecules. 355910
Odelius, H.
Quantitative SIMS of tungsten base composite alloys. 369556
Odell, P.
Energy. Needs and resources. 352890
Odette, G.R.
Damage correlation in theory and practice. (HEDL-SA - 1144-A) 363395
Dosimetry needs for the Magnetic Fusion Materials Program. (CONF-771036 - 6) 377423
Odeurs, J.
Experimental investigation of the cross structure of damage cascades by means of ion implantation at different energies. (INIS-mf - 3996) 364081
Search for the vacancy annealing stage in heavy ion implanted bcc metals. (INIS-mf - 3996) 366458
Odian, G.
Study of energy transfer to solvent in radiation graft polymerization of styrene onto polyethylene. 373084
Odin, G.S.
Radiogenic argon in glauconites as a function of mineral recrystallization. 378871
Odinets, Z.K.
Lutetium nitrate trihydrate. 359660
Thermal decomposition of tetrahydrates of holmium and erbium nitrates. 354335
Odintsov, D.D.
Investigation of the energy distributions of electrons knocked-out with fission fragments from cold polycrystal and single-crystal films. (INIS-mf - 3996) 364062
Odintsov, V.N.
Design of a vacuum chamber for the T-10M facility. (INIS-mf - 3954) 361554
Perspective constructional materials for large thermonuclear

installations and directions of primary investigations. (INIS-mf – 3954) 362409
Odintsova, S.P.
On the dual nature of propyl gallate action during the irradiation of DNA. 354745
Odoj, H.
New information about the kaon-nucleon-hyperon coupling constants g(anti KNΣ(1197)), g(anti KNΣ(1385)) and g(anti KNΛ(1405)). 356497
Odom, J.P.
Calculated physics and performance parameters for the ACPR upgrade. (SAND – 77-1080C) 368252
Large scale test technology. (SAND – 77-1117C) 365594
Odori, Teruo
Evaluation of sup(99m)Tc-HIDA complex as a cholescintigraphic agent. 379199
Odorico, R.
Dynamical supressions from dual models. 356450
Evidence for leading particle effects in charm fragmentation from neutrino data. 361834
Odya, C.E.
Aspects of Bradykinin radioimmunoassay. 370489
Odyniec, G.
Channelling effects for 15 GeV/c negative pions. 377798
Energy loss of 2-15 GeV/c particles in Si and Ge single crystals with a comparison to existing theory. (INIS-mf – 3996) 364005
Oechsner, H.
Ion induced ejection of neutral molecules from Ni-W and Ni-Mo alloys. (INIS-mf – 3996) 364082
Sputtered neutral mass spectrometry (SNMS) as a tool for chemical surface analysis and depth profiling. 353475
Total and differential sputtering yields of Ta- and Nb-oxide for 100-600 eV Ar^+ measured with sputtered neutral mass spectroscopy. 368860
Oeff, K.
Effects of multiple TRH stimulation on the release of pituitary gland and thyroid hormones. (INIS-mf – 4010) 370454
Oegren, S.-O.
Substituted amphetamine derivatives. 357623
Oehme, G.
Calorimetric investigation into liquid indium-cadmium alloys from the point of view of association equilibrium. 362441
Calorimetric investigation of liquid indium-cadmium alloys with emphasis on the equilibrium of associates. 351798
Oehme, H.
Status and objectives of HTR development for electricity and process heat generation. 355423
Oehme, R.
Coupling parameter trajectories. 363823
Oehmen, J.
Noise thermometer temperature measurement under operating conditions of power reactors. 370848
Oehmigen, A.
Application of the PRS 4000 type process computing system to the Rheinsberg nuclear power plant. 374181
Oelert, W.
Octupole-strength concentration observed in α-scattering on ^{27}Al. 372792
Optical potential for $^{12}C + ^{28}Si$ scattering. 362046
Oelkers, E.
Response surface methodology applied to thermal-hydraulic margin analysis. 352238
Oellrich, K.
US in-service testing of reactor pressure vessels; state of the art, illustrated by the example of the components of the Kruemmel nuclear power plant. 370888
Oelmez, I.
Trace elements in the atmosphere determined by nuclear activation analysis and their interpretation. 375320
Oelrich, I.C.
Coexistence of three nuclear shapes in ^{151}Eu. 359527
Oen, O.S.
Ion radiation damage in copper. 373371
Some analytical solutions to the two atom blocking model. (CONF-770931 – 2) 374633
Oepts, D.
Influence of predischarge conditions in SPICA. (INIS-mf – 3963) 371976
Oerdoegh, M.
Investigations on inorganic elements in human lenses of normal and senile cataractous character. 369566
Oers, W.T.H. van
Elastic proton scattering from ^4He in the forward direction at 200, 350 and 500 MeV. 362107
A liquid helium-4 target for intermediate energy nuclear physics. 374062
Measurements of the proton total reaction cross section for ^{24}Mg, $^{64\ 66\ 68}Zn$ and ^{140}Ce between 17.5 and 48 MeV. 356735
Oerter, H.
Annual report 1975. (GSF-R – 132) 349668
Oeschler, H.
Heavy ion reaction studies at medium-mass nuclei: I. Quasi-elastic processes. (LYCEN – 7702(pt.2)) 369500
The onset of friction in heavy ion transfer reactions. (CRN-PN – 77-16) 369499
The onset of friction in heavy-ion transfer reactions. 362084
A study of γ-decay modes from high angular momentum nuclear states by high order multiplicity measurements. 377955
Oestberg, G.
Inconceivable events in handling material in a heavy mechanical engineering industry. (FTL – A16-71E) 379557
Oesterberg, R.
Small-angle X-ray titration study on the complex formation between 5-S RNA and the L18 protein of the Escherichia coli 50-S ribosome particle. 357557
Oesterlin, P.
Molecular beam study of the HeNe-laser pumping transition. 358799
Oesterreicher, H.
Hydrides of La – Ni compounds. 351838
Magnetic characteristics of $GdAl_4$ in a predictive scheme for the strength of magnetic exchange in compounds based on rare earths. 354543
Magnetic properties of compounds RCoAl (R = Pr, Nd, Gd, Tb, Dy, Ho, Er, Tm and Lu). 354544
Magnetic properties of GdCuSn and GdAuSn. 354542
Oesterwind, D.
Benefits and risks of nuclear power. (Juel-Conf – 17(3.rev.ed.)) 360420
Multipurpose nuclear process heat for energy supply in Brazil. 358252
Multipurpose nuclear process heat for energy supply in less-industrialized countries. 352520
Oestgaard Olsen, J.
Experimental investigation of 2s-vacancy production in 0.3-300-keV N^0/Ne^+-Ne collisions. 376960
Oestling, G.
Iodine and common salt concentrations in urine from the inhabitants and employees at the Oskarshamn nuclear power plant. 354871
Oestlund, H.G.
Atmospheric HT and HTO, 1975 – 1976. Tritium Laboratory data report No. 7. (ORO – 3944-14) 360202
Oetzel, N.
Prognostic classification of Hodgkin disease in pathologic stage III, based on anatomic considerations. 352047
Oetzmann, W.
PTB test rules. 355526
Oeverboe, I.
The Coulomb correction to electron pair production by intermediate-energy photons. 361835
Oeynhausen, H.
Design requirements for the SNR-300 containment system. (CONF-761001 – P2) 365589
Oezkan, A.
Radiochemical investigations of hydrocarbons and sulphur compounds. Pt. 5. 375675
Ofengenden, S.R.
Semiclassical interpretation of the gross-shell structure in deformed nuclei. 354117
Offenberger, A.A.
Axial heating of magnetically confined plasma with CO_2 lasers. 356145
Cooperative Thomson scattering from plasma with pulsed CO_2 laser radiation. 356147
Offermann, B.P.
The Dynagen IV – a compact high-intensity neutron source. 355177
Offermann, P.
Silver release from coated particle fuel. 365938
Ofshtejn, B.A.
On quality of metal rolled using elastic oscillations energy. (INIS-mf – 3914) 349537
Ofshtejn, V.L.
Effect of radial ultrasonic oscillations on hot and cold rolling of pipes and sheets. (INIS-mf – 3914) 349417
Ogandzhanyan, M.S.
Investigation of inclusive proton photoproduction by bremsstrahlung gamma quanta with maximum energy 2.0-4.5 GeV. 369458
Oganessian, A.G.
An unconventional transition radiation detector. 355566
Oganessian, Y.T.
Asymmetric mass distribution from the fusion- fission reaction $^{40}Ar + ^{243}Am$. 359495
Oganessian, Yu.Ts.
Experiments to produce isotopes of superheavy elements with atomic numbers 114-116 in ^{48}Ca ion reactions. 372801
The feeding times and lifetimes of high-spin levels in ytterbium doubly even isotopes. (JINR-E – 7-9626) 369467
Oganesyan, A.A.
The nicotinic acid balance in patients with syringomyelia in the course of deep X-ray therapy. 349765
Oganesyan, A.G.
Facility for experiment on the investigation of charge composition of primary cosmic radiation in the energy range 20-10000 GeV/nucleon by the XTR-detector. (EFI – 177(23)-(76)) 350285
Utilization of XTR detector for hadron identification in polarization measurements in hadron-hadron interactions. (EFI – 130(75)) 361017
Oganesyan, A.P.
On the measurement of momenta of the hadronic component of cosmic rays. (EFI – 210(2)-77) 379954
Oganesyan, Dzh.B.
Spectrometry of two 'ultraviolet' stars discovered by 'Orion-2'. 374912
Oganesyan, S.G.
Interaction between charged particles and intense monochromatic radiation in an inhomogeneous medium. 368515

Oganesyan, Yu.Ts.
Superheavy element fusion. (KFTI – 74-27) 354096
Ogard, A.E.
The production of medically useful radioisotopes at the Los Alamos Meson Physics Facility. (INIS-mf – 4010) 356850
Ogasawara, H.
Cooling mechanism during transient reflooding of a reactor fuel bundle after loss of coolant. 355371
Ogasawara, Masatada
Nonlinear saturation of dissipative trapped ion instability and anomalous transport. (JAERI-M – 7050) 348966
Ogasawara, Mitsunobu
Study on vertical bubbly flows using laser Doppler measurements, (1). 349978
Ogata, Atsushi
Formalization for optimal feedback control of plasma current and position in a tokamak. (JAERI-M – 7126) 371971
Ogata, H.
Annual report of Research Center for Nuclear Physics, Osaka University. 361239
Sphericity in the interacting boson model. 356638
Ogata, Hisanao
Force-cooled small compound superconducting coil. 359219
Review of boiling heat transfer to helium, 1. 355130
Ogata, Koichi
Two assimilation pathways of C_1-compound in Streptomyces sp. No.239 during growth on methanol. 354939
Ogawa, H.
NIRS-Chiba isochronous cyclotron 1976. (NIRS-M – 15) 376382
Ogawa, K.
Perturbed angular distributions in ^{36}Cl and ^{40}K. 356721
The production and sustainment of a reverse field pinch. (INIS-mf – 3963) 371769
Ogawa, Kinya
Emergency core cooling system for nuclear reactors. 350242
Ogawa, M.
Energy levels in $_{65}{}^{149}Tb_{84}$ populated in the (α,6n) reaction. (ZfK – 336) 364809
High spin states and the 17 ns isomer in the N = 84 nucleus ^{148}Gd. (ZfK – 336) 364806
High spin states in the N = 84 nucleus ^{150}Dy. (ZfK – 336) 364807
Isomers in the N = 83 nucleus ^{147}Gd. (ZfK – 336) 364795
The 3^- state in the doubly closed shell nucleus $_{64}{}^{146}Gd_{82}$. (ZfK – 336) 364794
Ogawa, Masao
Recoil-distance lifetime measurements in ^{22}Ne, ^{22}Na and ^{27}Al. 354246
Ogawa, Norito
Novel continuous development method. 367849
Ogawa, S.
Characteristic high-energy neutrino reaction in the coloured-quark model. 353846
Electrical properties of highly nitrided tantalum thin films. 368885
Ogawa, Shinji
Moessbauer study of Fesub(0.5)Nisub(0.5)S_2. 353474
Ogawa, Tadahiko
Radiolysis of titanium potassium oxalate in aqueous solution. 349345
Ogawa, Teiichiro
Translational energies of the excited hydrogen and deuterium atoms produced by controlled electron impact (300 eV) on water and heavy water. 373053
Ogawa, Toru
Optical pumping of gaseous atoms. 377147
Ogawa, Toshihiro
Measurements of stratospheric aerosols by the solar occultation method. 349684
Ogawa, Y.
Measurements of neutron total cross section minima in natural iron and silicon. 364797
Tokamak plasma heating by application of strong poloidally induced electric field. (INIS-mf – 3963) 371896
Ogawa, Yutaka
Reconstruction of the full thickness chest wall defect. 352051
Ogawara, Y.
Short-term variability of CYG X-1. 377639
Temporal and spectral variation of Cyg X-1. 356299
Ogawara, Yoshiaki
Wide range energy spectrum of ScoX-1. 377632
Ogaza, S.
Gyromagnetic ratios of first 2^+ states in ^{126} ^{128} ^{130} ^{132}Xe. 356688
Ogbuji, L.
Application of high-resolution TEM to ceramic science. 373300
Ogievetskij, V.I.
Equations of motion for superfields. (JINR-D – 2-9788) 374580
On gauge spinor superfield. 353883
Ogievetsky, V.I.
Gauge theories as theories of spontaneous breakdown. (JINR-E – 2-9822) 376918
Superfield equations of motion. 355817
Ogino, K.
Systematics of low-lying octupole states in the doubly-even nuclei from Ge to Sr. 378034
Ogino, Koya
Aseismatic design and siting condition for nuclear reactors. 379289
Ogino, T.
Nonlinear distortion of propagation cones of lower hybrid wave in an inhomogeneous plasma. 350935
Ogino, Tatsuki
The nonlinear distortion of propagation cones of lower hybrid wave in an inhomogeneous plasma. (IPPJ – 268) 366620
Oginski, M.
sup(99m)technetium-unithiol complex, a new pharmaceutical for kidney scintigraphy. Pt. 2. 354945
Ogita, Shozo
A scanning electron microscope study on irradiated rabbit corneas, 1. 354788
Ogloblin, S.G.
Calculation of resonance parameters of neutron elastic scattering on a sup(208)Pb nucleus. 359372
Ogloblina, R.I.
Extraction-photometric determination of thallium with some organic reagents. (INIS-mf – 4192) 375250
Formazanes as analytical reagents. 378150
Ogorkiewicz, R.
Timing scintillation counter type 1052 CAMAC. 376615
Ogorodnik, A.F.
Gamma rays emitted in the sup(90,92,94,96)Zr(nγ)sup(91,93,95,97)Zr reactions with thermal neutrons. 375158
Ogorodnikov, D.D.
Search for fractional-charged particles in sea water, ocean sediment deposits and volcano lava. 377815
Ogorodnikov, K.F.
Velocity dispersion and the ω Cen globular cluster mass. 374939
Ogorodnikov, V.V.
Calculation of phase diagrams of pseudo-binary systems of Ti, Zr and Hf carbides. 370101
Investigation of electrical resistance and stored energy at low-temperature irradiation of titanium diboride. 360125
Ogorodnikova, A.A.
Calculation of phase diagrams of pseudo-binary systems of Ti, Zr and Hf carbides. 370101
Ogorodnikova, L.A.
Tungsten and molybdenum extraction from electrochemical processing wastes. 351714
Ogorodova, L.P.
Thermodynamic properties of niobium oxides at high temperatures. 369721
Thermodynamic properties of niobium oxides in the region of compositions NbOsub(1.997)-NbOsub(2.024) at high temperature. 359710
Ogren, H.
Description and performance of MEA, the magnetic detector at ADONE. 379480
Ogren, H.O.
Preliminary polarization results at Fermilab energies. (COO – 2009-128) 364571
Technical progress report of the Indiana University High Energy Physics Group, December 1, 1976 – November 30, 1977. (COO – 2009-132) 364565
Ogren, W.E.
Criteria: waste tank isolation and stabilization. (ARH-CD – 784) 363675
Oguchi, Isao
Manufacture and installation experience of pressure vessel for the prototype heavy water moderated boiling light water-cooled reactor 'Fugen'. 368191
Oguinetz, O.V.
Model of excitation energy transfer between HeI N=5 levels in inelastic collisions of excited atoms with normal. 358843
Oguma, Iwao
An experiment to estimate errors in the measurement of PZT plates. 349018
Ogura, K.
Calculation of emission cross-sections on the dissociative excitation of H_2O by electron-impact. 368633
Ogura, Katsuo
UBV photometry of the stars in the fields of emission nebulae, 3: IC 1975. 349020
Ogura, Kenji
Radioactivity evaluation code system for high temperature gas cooled reactors. 361220
Ogura, Kiyosi
Dissociative excitation of water molecule by electron impacts, 1. 353242, 353243
Oguri, T.
Chemisorption of hydrogen on polycrystalline tungsten. 370014
Ogurtsov, V.V.
Measurement of mass of the phi-1019 resonance. (JINR-D – 1,2-9342) 356490
Ogushi, Isao
Optimum development of new power reactor from nuclear fuel recycle. 350414
Oh-ishi, Sachiko
A micro-radiochemical assay for proteolytic enzymes. 379195
Oh, B.Y.
Search for charmed particles in 14.75 GeV/c pp interactions. 375069
Tests of factorization from single- and double-pion production in 100-GeV/c p-antip and pp collisions. 351230
Oh, J.H.
Selection for blast-resistant mutants in irradiated rice populations. 373749
Oh, S.
An improvement to the beam buncher of the University of Manitoba cyclotron. 355202
Oh'asa, M.
A study on niobium carbide dispersed superconducting tapes. 367282

Ohara, Ken
A calculation of dose distribution around ^{32}P spherical sources and its clinical application. 373898
Monitoring of ^{131}I in exhalation of patients administered ^{131}I for therapy. 367592
Ohara, Takeshi
Magnetic instability of Nb48%Ti single core short sample in the changing magnetic field. 358993
Ohasa, K.
Magnetohydrodynamic instabilities in a current-carrying stellarator. 348940
Magnetohydrodynamic instabilities in a stellarator. (IPPJ – 287) 368972
Ohasa, Kazumi
Helically symmetric equilibrium of current-carrying finite beta plasma. (IPPJ – 270) 353605, 353607
Rotational transform angle of the stellarator field with twisted coils. (IPPJ – 271) 353606, 358994
Ohashi, Hideaki
Monitoring method of an atomic power plant. 368059
Ohashi, Hiroshi
Oxidation or reduction of ferrous sulfate and other solid inorganic substances induced by γ-irradiation. 373069
Ohashi, Hiroyuki
Two assimilation pathways of C_1-compound in Streptomyces sp. No.239 during growth on methanol. 354939
Ohayon, M.
Calculation of the magnetic dispersion between the magnets of the SSC's due to the steels of the massive magnetic circuits. Second part. (ORNL-tr – 4392) 374076
Calculation of the magnetic dispersion in the magnets of the SSC's due to the steels of the massive magnetic circuits. First part. (ORNL-tr – 4397) 374075
Ohba, Kenkichi
Study on vertical bubbly flows using laser Doppler measurements, (1). 349978
Ohba, Toshihiro
High velocity tensile test of austenitic stainless steel at elevated temperatures. 349476
Ohgishi, Sakichi
Fabrication characteristics and strength of polymer-impregnated concrete polymerized by accelerated electron. 373372
Ohigashi, Yoshiaki
Highly sensitive liquid waste monitor. 368310
Ohinata, K.
Mediterranean fruit flies: sterility and sexual competitiveness in the laboratory after treatment with gamma irradiation in air, carbon dioxide, helium, nitrogen, or partial vacuum. 373538
Ohira, Kyozo
Gamma ray measurements with Pb-foiled plastic scintillator. 350325
Ohkawa, Hideo
Stereoselectivity in metabolism of the optical isomers of cyanofenphos (O-p-cyanophenyl O-ethyl phenylphosphonothioate) in rats and liver microsomes. 349866
Ohkawa, T.
Method and apparatus for use in approaching thermonuclear temperatures using turbulent thermal insulation. (US patent document 4,035,656/A/) 361602
Studies of doublet plasmas in Doublet IIA. 358942
Ohki, Isao
Radiation-induced skin cancer of the hand. 354817
Ohkita, Takeshi
The transformation of human peripheral mononuclear cells in diffusion chamber cultures. 373490
Ohkubo, K.
Tokamak experiments on JIPP T-II device. (INIS-mf – 3963) 371853
Ohkubo, Kunizo
Study on rf voltage breakdown for LHRH in 0.8-0.9 GHz. (IPPJ-T – 27) 366604
Ohkuma, Minoru
Thrombokinetics. 370442
Ohkura, Hiroshi
ENDOR of the Fsub(A)(Li) center in KBr at liquid He temperatures. 353501
Ohlendorf, W.
Recent results in the lower-hybrid heating of the Wega device. (INIS-mf – 3963) 372085
Ohlmer, E.
LMFBR: subassembly fault detection and identification by temperature noise analysis. (CONF-761001 – P2) 362991
Ohlmeyer, M.
The "Nuclear-Karlsruhe" air-filter system. 360655
In-situ testing of HEPA filters in the nuclear Karlsruhe filter system. 360516
Ohlsen
$^3H(\alpha,^6Li)n$ reaction at zero degrees. (BNL-NCS – 22500) 356728
Scattering of polarized tritons by ^9Be and ^{12}C. (BNL-NCS – 22500) 356870
Ohlsen, G.G.
$^3H(\alpha,^6Li)$ n reaction at 0°. 359465
Ohlsson, D.
Heating and diagnostics by induced poloidal currents in a rotating plasma. 366605
Ohmic plasma heating by magnetic field-aligned currents in an internal ring configuration. 366606
On the stability of electromagnetic modes in the boundary layer of a gas insulated plasma. (INIS-mf – 3963) 371972
Ohlsson, D.E.
Plasma-neutral gas interaction effects on the stability of drift modes. 366607
Ohly, W.
Using the KNK-II to develop core component materials. 371062
Ohmae, N.
Mass specrometer-controlled ion beam plating. 368861
Morphologies of rf sputter-deposited solid lubricants. 348754
Ohmann, J.
Managing anticipated collective doses. 360465
Ohmi, Tetsuo
Superfluid film of helium near the lambda-point. 353728
Ohmine, Mamoru
Analyses of Np and NO_2^- in the Purex process. (PNCT – 831-73-01) 349376
Ohmomo, Yoichiro
Environmental factors used for the estimation of radiation dose to thyroid gland. (NIRS-M – 14) 379349
Ohmori, Nobuharu
Multi-cored air showers observed by a combination array of spark chambers and scintillation counters. 355568
Ohn, H.
Delayed neutrons and high-energy γ-rays from decay of ^{87}Br. 372800
Ohnami, Masateru
Effect of vacuum environment on creep-rupture properties of SUS 316 stainless steel at elevated temperature. 373246
Ohnishi, M.
Effects of impurities on alpha particle loss in a tokamak reactor. 377503
Ohnishi, Nobuaki
Measurement and evaluation on pulsing characteristics and experimental capability of NSRR. 355483
Quasi steady state multi-dimensional space-dependent kinetic code EUREKA-SPACE. (JAERI-M – 7183) 380151
Study of a UO_2 critical mass by calculation with a transport code XSDRN. (JAERI-M – 7085) 354996
Study on fuel behavior under reactivity-initiated accident condition. 374277
Ohnishi, T.
Improved response matrix method for calculating neutron flux distributions. 363390
Ultraviolet sensitivity of Vibrio parahaemolyticus, a causative bacterium of food poisoning. 360242
Ohnishi, Tokuhiro
The large radiation dosimetry with Perspex, (3). 361038
Ohno, Hideo
Establishment of corresponding-state principle to molten fluoro-beryllates and silicates and its application. 359604
Self-diffusion coefficients of fluorine in molten LiF-BeF_2 mixture system. 359669
Self-diffusion of lithium in molten Li_2BeF_4. 367087
Ohno, M.
Research and development on removal of radioactive noble gases in Japan. 358503
Ohnuma, Hajime
(p,d) reactions at 52 MeV, 3. 354247
Ohnuma, N.
Repair of potentially lethal radiation damage in a spontaneous animal tumour in vivo. 379046
Ohnuma, T.
Radiation of electrostatic plasma waves near the lower hybrid frequency. 350913
Ohori, H.
Public acceptance of nuclear power development in Japan. 370629
Ohsawa, Keiko
Determination of oxygen in selenium, tellurium and their compounds. 372890
Ohsawa, Takao
Continuous energy spectra of alpha-particles from $^{11}B(p, \alpha)^8Be$ reaction. 354188
Ohsawa, Y.
Nonlinear self-modulation of ion-acoustic waves. (IPPJ – 289) 366561
Ohsawa, Yukiharu
Computer simulations on the nonlinear frequency shift and nonlinear modulation of ion-acoustic waves. (IPPJ – 266) 366609
Propagation of nonlinear ion acoustic wave with generation of long-wavelength waves. (IPPJ – 297) 366608
Ohse, R.W.
On the generation of transient capillary waves on the surface of laser irradiated targets. 373363
Ohshima, T.
Measurement of polarized target asymmetry in $\gamma p \rightarrow \pi^+ n$ below 1.02 GeV. 369371
Ohshima, Toshimi
Double blind test of L-cysteine for protection against radiation-induced side effects in man. 367531
Ohsugi, T.
Inclusive production of π^{+-}, K^{+-},p,p-bar in high-energy p-p collisions. 372527
Ohta, Masao
Nuclear characteristics of D-D fusion reactor blankets, (1). 353601
Ohta, N.
Anisotropy of the upper critical field in lead-indium alloys. 351791
Ohta, T.
On the conditions for static balance in the post-post-Newtonian approximation. 355784
Ohta, Takeo
The rapid heating test of zircaloy-2 tubes. (PNCT – 831-77-01) 379563

Ohtaka, K.
Plasma oscillation in the void lattice. 356146
Ohtaki, Hitoshi
Formation constants and structures of complexes between cadmium (II) and iodide ions in aqueous solution. 373002
Ionic equilibria in mixed solvents, (12). 359656
Potentiometric and polarographic studies on complex formation of cadmium(II) ion with ethylenediaminemonoacetic acid. 359672
An x-ray diffraction study on the structure of the aqua indium(III) ion in the perchlorate solution. 372978
Ohtani, Yoshimi
A note on the rates of complex formation of indium(III) with murexide and the decomposition of murexide in the presence of indium(III). 354358
Ohtou, Yoshihiro
Radiochemical management of reactor coolant. 350206
Ohtsubo, A.
Local boiling of sodium in downstream of local flow blockage in a simulated LMFBR fuel subassembly. (CONF-761001 - P4) 362961
Ohtsubo, H.
Beta-ray angular distribution in aligned ^{12}B and ^{12}N and G-parity irregular induced tensor current. 372650
Breakdown of the Siegert theorem and the many-body charge density operators. 372623
Ohtsuka, H.
Behaviour of superthermal electrons in the scrape-off layer of DIVA. 372099
An experimental UHV apparatus to investigate interactions of low energy light ions with solid surfaces. 368978
Formation of a light-impurity-free plasma in DIVA. 374846
Graphite surface erosion by 100 keV helium and hydrogen bombardment. 373385
Reduction of power loss due to heavy impurities in Diva. (INIS-mf - 3963) 372098
Surface erosions by energetic helium and hydrogen bombardment of molybdenum and pyrolytic graphite. 368993
Ohtsuka, Hidewo
Observation on surface deformation of pyrolytic graphite bombarded by 100 keV He^+, H^+ ions. 354619
Sputtering yield measurement on first wall materials of thermonuclear fusion devices. 359018
Surface roughness effects on blister formation in polycrystalline molybdenum. (JAERI-M - 7182) 366461
Ohtsuka, K.
Management of plutonium-contaminated wastes at the plutonium fuel facilities in PNC. 358463
Ohtsuka, T.
Anisotropy of the upper critical field in lead-indium alloys. 351791
Ohtsuki, Y.H.
Auger neutralization of ions at solid surfaces. 368820
LEED Kikuchi pattern, phonon and plasmon contributions. 368849
A self-consistent treatment of the wake potential. (INIS-mf - 3995) 377216
Ohuchi, J.
Management of plutonium-contaminated wastes at the plutonium fuel facilities in PNC. 358463
Ohuchi, Jin
Incineration of alpha bearing wastes, (1). (PNCT - 831-76-01) 380021
Ohuchi, Kaoru
Fracture strength of UO_2. (PNCT - 831-76-01) 379526
Ohwada, Hidemi
Histological differences between the cell types of the irradiated lung cancers. 379034
Ohwada, K.
The formation of Rb_2UF_8 by fluorination of $RbF.UF_4$. 369742
Ohwadano, Yoshiro
A simplified theoretical model of laser-produced spherical plasma. 371973
Ohwaki, Yoriko
Auxin transport and growth in intact roots of Vicia faba. 349867
Ohya, Masaaki
Clinical studies on gastric cancer and breast cancer among A-bomb survivors. 354826
Ohyabu, N.
A double-layer field-shaping coil system. 374848
Studies of doublet plasmas in Doublet IIA. 358942
Oi, N.
Design of the Nuclear Fuel Development (NFD) hot laboratory. 360684
Oien, C.T.
Resonance energy neutron radiography techniques. 379524
Oikawa, H.
Effect of heat treatment after deposition on internal stress in molybdenum films on SiO_2/Si substrates. 359968
Oikawa, Hitoshi
Two cases of the liver disease following administration of thorotrast. 379110
Oikawa, Masataka
Two cases of the liver disease following administration of thorotrast. 379110
Oikawa, S.
T/sub >/giant resonance in ^{142}Nd via the reaction $^{142}Nd(e,e'p)$. 364822
Oikawa, T.
Some applications of ions beam sputtering to high resolution electron microscopy. 364036
Oishi, J.
The enthalpy of formation of samarium trifluoride. 351508
Oishi, Norio
1300MVA steam-turbine generators for Kansai Electric Power's Oi Nuclear Power Station. 350232
Oja, T.
Swedish programmes concerning the z distribution of stars. 369175
Ojha, S.M.
The preparation and properties of amorphous carbon films grown under ion impact in an r.f. discharge. 368862
the growth characteristics and properties of hard carbon films grown under ion impact. 377257
Ojima, Takeyuki
Observations of linear polarization of the Crab nebula during an occultation by the solar corona, (2). 349005
Oka, Kentaro
Development and installation of 500kV oil-filled cable. 368126
Oka, Minoru
Gamma ray measurements with Pb-foiled plastic scintillator. 350325
Oka, Takashi
Exciton emission in electron-irradiated CdS. 366486
Oka, Yoshiaki
Simultaneous measurement of neutron noise with vibration of a control plate under reactor operating condition at JRR-4. (UTNL-R - 0034) 379538
Simultaneous measurements of neutronic noise with fluctuation of inlet coolant temperature and vibration of a control rod at KUR. (UTNL-R - 0035) 379539
Two-dimensional shielding benchmarks for iron at YAYOI, (1). (UTNL-R - 0032) 366910
Two-dimensional shielding benchmarks for sodium and iron at YAYOI. (UTNL-R - 0042) 366909
Okabayashi, Hiroyuki
Deposition of Pu-239 in human bodies. (NIRS-M - 14) 379111
Okabayashi, M.
Compact high-field ignition test reactor (HFITR) using bitter magnets. 377375
Energy loss rates of energetic ions injected into the FM-1 spherator. 350822
Okabe, H.
Inclusive Λ, anti Λ and $\Sigma^{+-}(1385)$ production in 405 GeV/c pp interactions. 377810
Okabe, Heihachiro
Wear measurement by a radio-tracer technique. 349965
Okabe, Isao
Investigation of radiation proctitis in the Department of Surgery of the Gifu University. 367532
Okabe, Masaya
Clinical investigation of myocardial scanning with thallium-201. 354963
Okabe, Shigeru
Transmission of exoelectron through evaporated thin films. 358903
Okabe, Shigeto
Structure of the excited states in ^{12}C, 1. 354124
Okabe, Yasuzo
Zirconium-nitride powders by the vapor phase reaction of $ZrCl_4$-NH_3-H_2-N_2 system. 354359
Okabe, Yoshio
Ion source by laser plasma. 377135
Ion sources utilizing TEA-CO_2 laser irradiation. 358844
Okada, Isao
Calculation of symmetric stretching frequency in molten BeF_2 by molecular dynamics method. 359702
Okada, M.
Colloid bands in silver chloride induced by reactor irradiation at low temperature. 370130
Okada, Osami
Gradient B drift instability in toroidal systems. 371817
Ion accelerator. 367980
Okada, S.
High-temperature high-quality deuterium plasma production by laser beams and interactions with magnetic fields. 377529
Lineshape studies of deconvoluted spectra of annihilation radiation in neopentane solutions of some organic iodides. 353476
Okada, T.
Dislocation interaction with radiation-induced single halogen interstitials in KBr. 375956
Radiation-induced polymerization of styrene at high dose rates. 365079
Okada, Touichi
A statistical treatment of LNT irradiation effects on mechanical properties of Epoxy Resin for potting in the superconducting magnets. 378809
Okada, Y.
Specific action of T4 endonuclease V on damaged DNA in xeroderma pigmentosum cells in vivo. 349713
Okada, Yoshitane
Operating experience at Shimane Nuclear Power Plant. 355377
Okagawa, Seigo
Fission product iodine carry-over from experimental apparatus. (JAERI-M - 7093) 367157
Okajima, Yoshiaki
Quantitative analysis of hydrogen in titanium with an ion microanalyzer. 359567
Okali, D.
Czechoslovak-made Nb_3Sn superconductors. 367236
Okamoto, Hidemasa
Radiation-induced oxidation of syndiotactic 1,2-polybutadiene. 354448
Okamoto, Hironobu
Determination of O/M ratio for mixed oxide fuel, (3). (PNCT -

831-76-01) 379798
Okamoto, J.
Radiation-induced copolymerization of hexafluoroacetone with α-olefins. 378531
Okamoto, Masami
Extraction of uranium by trioctylamine. 359627
Okamoto, Naotake
System for positioning a control rod drive for a boiling water reactor. 368121
Okamoto, P.
New HVEM for materials research at ANL. (CONF-770855 – 2) 366052
Okamoto, P.R.
Effects of defect trapping and radiation-induced solute segregation on void swelling. (CONF-770639 – 1) 360115
Low energy p-Be nuclear reactions for depth-profiling Be in alloys. (CONF-770642 – 10) 375335
Solute segregation during irradiation. (CONF-770641 – 8) 362555
Void swelling and segregation in dilute nickel alloys. (CONF-770641 – 1) 351905
Okamoto, Ryoji
Low-lying collective states in odd-mass I, Cs, La and Pr N=80 isotones. 354097
Okamoto, S.
Thermal neutron standard field with a Maxwellian distribution using the KUR heavy water facility. 379384
Okamoto, Shin-ichi
γ-ray irradiation effects in quartz, (3). 358873
Okamoto, Shinichi
The changes in resistivity of carbon-coated-film resistors by irradiation of cobalt-60 gamma-rays. 361096
Okamoto, Y.
Research and development for the VHTR by high-temperature helium gas loops. 379698
Okamoto, Yoshizo
A bibliographic survey of bearings for nuclear reactors. (JAERI-M – 7015) 350140
Bibliographical survey of heat exchangers for nuclear power plants and problems of HTGR. (JAERI-M – 7034) 355444
A survey on gas-bearing circulators of high-temperature gas cooled reactors. (JAERI-M – 7214) 379695
Okamura, H.
Development of ion source for JIPP T-II injector. (IPPJ-T – 28) 377462
Okamura, Hideo
Preliminary experiments on the large current plasma heating ion source for JIPP-T-II. (IPPJ-DT – 53) 377463
Okamura, Hiroyuki
Simulation of drive characteristics of JT-60 movable limiter. (JAERI-M – 7130) 366642
Okamura, R.
Interaction of a high intensity short pulse-width relativistic electron beam with plasma. 368981
Okano, H.
Field-emission and field-ion microscopy of lanthanum hexaboride. 351826
Okano, Kotoyuki
Excited states and transitions in ^{106}Pd from the decay of ^{106}Rhsup(g). 372802
Gamma-gamma angular correlation measurements in ^{106}Pd. 372803
On-line isotope separator and various studies using it. (KURRI-TR – 145) 377948, 378004, 378147, 379488, 379990
An outline of the high flux reactor ISOL (on-line isotope separator) project. (KURRI-TR – 146) 378078, 379839
Preliminary test of KUR-ISOL. (KURRI-TR – 146) 379839
Various problems of OSIRIS type on-line isotope separation and He-jet type ISOL. (KURRI-TR – 145) 378147
Okano, M.
The dependence of multiple inner-shell ionization on the projectile energies and on target elements by nitrogen-ion bombardment at the energy above 4 MeV/amu. 353180, 376964
Okasaka, Rei
Line broadening measurement in high density plasma, 1. 353608
Okawa, Akira
Counting rate of spherical ion exchange resin containing ^{32}P homogeneously. 349939
Okawa, Tomohiko
Roentgenologic study on radius and ulna of a surgeon with skin carcinoma of the hand induced by occupational x-ray exposure. 360292
Okazaki, A.
Flux distribution measurements in the Bruce A unit 1 reactor. (AECL – 5833) 360779
Okazaki, Hideyuki
Method and apparatus for decontamination of apparatuses contaminated by radioactivity. 367817
Okazaki, Kiyoshi
The theoretical estimation of the G-values for the ionization and excitation of thirty-eight gaseous compounds irradiated by 100 keV electrons. 359798
Okazaki, Motoaki
An experimental study on PWR-LOCA by ROSA-II, (2). 360920
Okazawa, Takao
Experimental study on intermediate level radioactive waste processing. 350396
Oke, J.B.
Interpretation of the spectrum of the Red Rectangle. 361699
Okell, S.F.
Simultaneous assay by six methods of the effect on haemopoietic precursor cells of adriamycin, methyl CCNU, ^{60}Co γ-rays, vinblastine, and cytosine arabinoside. 373515
Okhremchuk, L.N.
Connection of electron work function in 4-th group transition metal silicides with some of their physical properties. 354590
Electron energy spectrum and physical properties of NbCsub(x), 377281
Okhrimenko, N.A.
Structural change in a low-carbon steel during decarbonization in the intercritical temperature range. 378600
Okhrimenko, N.I.
Reaction of tungsten carbene complexes with conjugated dienes. 372973
Okhrimovich, B.P.
Enhancing the final product output off the ingots of carbon- and alloyed steels. 362359
Oknin, I.V.
Corrosion of stainless steels during their polarization in nitric acid solutions with additions of sodium sulfite, hydroxylamine sulfate and hydrazine hydrate. 367183
Okochi, Isao
Development of balanced downflow type surface condensers, (2). 350147
Okolovich, V.N.
Anomalous effect of angular momentum on light nuclei fission by protons and alpha particles. (FEI – 538) 356610
Okolovisch, V.N.
Fission of preactinide nuclei. Angular anisotropy of (α,f) reaction. 375181
Okonov, E.O.
Starting system for a 2-meter streamer spark chamber in a 17 GeV/sec α-particle beam. (JINR – 13-9030) 358334
Okonov, Eh.O.
On cross-sections of interaction of relativistic alpha-particles with nuclei. (JINR-R – 1-10592) 375151
Okorochenko, G.E.
Study of film data processing systems by means of a statistical simulation. (INIS-mf – 3909) 374521
Use of the time scanning method for analysis of multiprogram digital computer programs. (INIS-mf – 3909) 374518
Okorokov, A.I.
Experimental observation of the asymmetry of polarized neutron critical scattering from Fe above Tsub(c). 377258
Polarizing mirror. (Soviet patent document 437470/A/) 375079
Okovit, V.S.
On the influence of high energy (250MeV) electron irradiation on the structure and properties of aluminium. (KFTI – 74-47) 366413
Okrent, D.
Alternative accident scenario for LMFBR core disruption. 352205
An approach to societal risk acceptance criteria and risk management. (PB – 271264) 379209
Designing for safety in fast reactors in the presence of uncertainties. (CONF-761001 – P2) 365530
Fuel-clad stress – strain state at the beginning of a transient. (CONF-761001 – P3) 365614
A look at alternate core disruption accidents in LMFBRs. Topical report. (PB – 267577) 357744
A new methodology for the computer-aided construction of fault trees. 365814
On the evolution of light water reactor safety in the U.S.A. (INIS-mf – 4052) 373849
Risk assessment in the absence of complete data. 354995
Risk-benefit and the American Nuclear Society. 360466
Some thoughts on fast reactor safety. (CONF-761001 – P1) 362992
Oks, E.A.
On stark profiles of hydrogen lines in a plasma with a low-frequency turbulence. 348946
Oksuzyan, G.G.
Determination of phase extension of electron bunches in linear accelerator. 350073
Oku, Tadatake
Changes in the amino acid content of gamma-irradiated Kamaboko during storage. 367677
Studies on radiolysis of amino acids, 1. 373487
Studies on radiolysis of amino acids, 2. 367460
Oku, Tatsuo
Statistical properties of strengths of graphites for high temperature gas-cooled reactor. 370118
Okubo, Mitsuru
Experimental and clinical study on the digitalis in renal function disturbance. 360397
Okubo, S.
Casimir invariants and vector operators in simple and classical Lie algebras. 366288
Test of quark-line rule and nonet mass formula. (UR – 618) 356451
Okubo, Teiji
Spectrophotometric and indirect atomic absorption spectrophotometric determination of rhenium by using solvent extraction of the ion-pair of bis(neocuproin)copper(I) perrhenate. 354306
Okuda, H.
Effects of spatial grid in plasma simulations using higher order multipole expansions. (PPPL – 1355) 350914
New three-dimensional simulation models for cylindrical and toroidal plasmas. 366514
Numerical simulations of collisionless drift instabilities for low-density plasmas. (PPPL – 1382) 368969
Particle simulation models and their application to controlled fusion. 361603
Theory and numerical simulations on collisionless drift instabilities

in three dimensions. 374812, 377372
Okuda, T.
The changes of electrochemical and mechanical properties through gamma irradiation of a collagen aqueous solution. 375686
Critical accretion flow of gas onto compact stars. 372230
Effects of a finite-bandwidth pump on the parametric instabilities near the lower-hybrid frequency. 371940
Study of magnetic shaping in a shell-less hybrid tokamak with octopole. (INIS-mf - 3963) 371974
Okuda, Takayoshi
Control of plasma potential with an electron emissive grid in a Q-machine. 353561
Okuda, Tsutomu
The nuclear quadrupole resonance of dibromoiodate ions. 367110
Principal axes of the EFG tensors and torsional oscillations in boron triiodide. 354360
Okudaira, Kiyoaki
Development of cosic gamma ray detector in the vicinity of 10 MeV. 379898
Observation of aurora x-ray. 378935
Okuhara, T.
Hydrogenation of ethylene on a MoS_2 catalyst. 372987
Okulov, B.V.
Study on the possibility of an experimental detection of the $\gamma + \gamma \rightarrow e+$-reaction by high current electron accelerator. 349968
Okulov, Yu.I.
Study on electromagnetic conditions in the interplanetary space by means of cosmic rays. 356186
Okuma, Y.
Systematics of low-lying octupole states in the doubly-even nuclei from Ge to Sr. 378034
Okumura, Yoshitaka
Neutrino-nucleon scatterings under scaling violation. 359305
Okun, L.B.
On the $K^+ \rightarrow \pi^+e^+e^-$ decay. (ITEP - 98) 349075
Widths of narrow mesons made from heavy quarks. 364493
Okun', L.B.
New elementary particles. 364554
Okunevich, A.I.
Dependence of the probability of the Penning ionization on the mutual spin orientation of colliding atoms. 366362
Effect of penning collisions between optically oriented Rb and He atoms on the electron density in a plasma. 368623
Okuno, E.
Light induced ionic polarization in Pb doped alkali halides. (INIS-mf - 4127) 363973
Polycrystalline dosimetric discs of natural CaF_2. (IEA - 474) 352822
Okuno, H.
Lead glass Cerenkov counter of hodoscope type. (INS-TH - 111) 350298
Okuno, Kenji
Fragmentation by β-decay in tritium-labelled compounds, (1). 354401
Okusawa, T.
Inclusive Λ, anti Λ and Σ^{+-}(1385) production in 405 GeV/c pp interactions. 377810
Some features in rapidity space of multiparticle production by proton-proton collision at 102 GeV/c. 353970
Okutani, T.
Simultaneous measurements of photon and ion emissions from ion bombarded Al in an oxygen atmosphere. 356057
Okutsu, E.
Stabilization of counter streaming electron beam instability. 353609
Okutsu, Eizo
Effects of low frequency plasma waves on counter-streaming electron beam instability. 371975
Okuyama, F.
The effect of high electric fields on oxidation of molybdenum single crystals. 354545
Okuyama, Shinichi
Compton radiography, 1. 349868
Compton radiography, 2. 379196
Okuyama, Takeo
Roentgenologic study on radius and ulna of a surgeon with skin carcinoma of the hand induced by occupational x-ray exposure. 360292
Okuzumi, H.
Auger analysis and ion mass spectrometry study of electron induced damages. 368827
Ol'khovikova, T.I.
The nature of defects arising on tellurium solution decomposition in GaP monocrystals. 377259
Ol'khovskii, I.I.
On the principles of the statistical theory of directional effects in crystals. (INIS-mf - 3995) 377260
Ol'khovskij, S.I.
Generation and movement of magnetic domains in a SHF magnetic field. 374749
Ol'khovskij, V.I.
Investigation into glasses of P-Se and As_2Se_3-InI_3 systems by infrared spectroscopy. 378234
Phase diagrams of As_2Se_3-InI_3 and As_2Se_3-GeI_4 systems. 351478
Ol'khovskij, V.S.
On investigation of reactions with two-neutron emission within the framework of the semidirect process model (the precompound emission). 369441
On nature of high-energy peaks in the cross-sections of neutron collisions with ^{12}C nuclei collisions of neutrons. 354093
On studying properties of the nonunitary multichannel S-matrix on the basis of the completeness condition for the wave functions. 368572
Ol'shanetskij, M.A.
Comparison results of automatic and semiautomatic processing of images from the ITEF 1,5 m spectrometer. 361074
Ol'shanskaya, Eh.Ya.
Nickel intermetallic compound sprayed in vacuum. 369915
Oxidation and interaction with nickel directed eutectics Ni_3Al-Ni_3Nb and Ni(Cr)/Ni_3Al-Ni_3Nb protecting coatings. 373247
Ol'shanskij, B.I.
Rolling of molybdenum bars on mills with multi-roll passes. 359864
Ol'shanskij, N.A.
Transverse shrinkage in electron beam welding. 349409
Olafsson, J.
Geochemical studies on the thermal brine from Reykjanes (Iceland). 376034
Olander, D.R.
Heterogeneous chemical kinetics by modulated molecular beam mass spectrometry: limitations of technique. 378363
Reactions of modulated molecular beams with pyrolytic graphite IV. Water vapor. 366363
Olaussson, A.
Recombinator of hydrogen and oxygen. (German (F.R.) patent document 2451438/A/) 354378
Olavesen, A.H.
Identification of interstellar polysaccharides and related hydrocarbons. 369109
Oldekop, W.
Development lines and present status of LWR reactors. (AED-Conf - 78-004-006) 376494
Oldenburg, S.J.
The influence of experimental conditions on the efficiency of labeling of bleomycin with ^{99}Tcsup(m), using Sn(II) as the reductant. 375623
Interaction of labelled methylene diphosphonate (MDP) with the tissue. (INIS-mf - 4010) 362734
Oldfield, E.
Deuterium nuclear magnetic resonance investigation of the dipalmitoyl lecithin - cholesterol - water system. 378284
Oldfield, F.
Alternative ^{210}Pb dating: results from the New Guinea Highlands and Lough Erne. 370262
Oldfield, W.
Fracture toughness data for ferritic nuclear pressure vessel materials. Task A: Volume II. Part I: Appendices 1-4. (EPRI-NP - 121(Vol.2)(Pt.1)) 351821, 357345
Oldham, K.G.
Labelled nucleotides in biochemistry. 351615
Olding, R.P.
Risk assessment and nuclear insurance: an overview. 376838
Olds, F.C.
Tail end of the fuel cycle: coping with the Carter edict. 371291
Oleak, H.
On the mass discrepancy in double galaxies. 351061
Remark on the apparent distance dependence of the Hubble constant. 374940
Oleferenko, I.P.
The structure of the solar flare stream magnetic field. 356305
Oleinick, N.L.
The reduction of radiation-induced mitotic delay by caffeine: a test of the cyclic AMP hypothesis. 376083
Olejnichak, Ya.
Study on spatial and energy distributions of muons from extensive air shower by means of a magnetic spectrometer. 362615
Olejnik, G.S.
Elastic and piezoelectric constants of solid solution single crystals of CdSesub(x)Tesub(1-x). 363956
Olejnikov, Eh.I.
Determination of molybdenum and tungsten concentrations in bedrocks by x-ray radiometric method. 349619
Olekseyuk, I.D.
Phase interactions in the Cd-As-Te system. 375853
Phase interactions in the Zn-As-Te system. 375870
Olemskoj, A.N.
On electric conductivity of precipitation hardening heat resistant alloy on the nickel-chromium base. 369948
Oles, A.
Neutronographic studies on crystaline structure of graphitic materials. 371623
Oles, A.M.
Degenerate perturbation theory and its application to the Hubbard model. 366254
Olesen, P.
On Borel singularities in quantum field theory. (NBI-HE - 77-33) 363757, 371353
On the infrared behaviour of quantum chromodynamics. (NBI-HE - 77-29) 353127
On vacuum instability in quantum field theory. (NBI-HE - 77-48) 368573
A relation between the Einstein and the Yang-Mills field equations. 361302
Oleson, N.L.
New elementary experiments in plasma physics. 358910
Oliker, I.
Heater drain deaeration in BWR nuclear station under pumped forward conditions. 355372
Olikh, Ya.M.
Elastic and piezoelectric constants of solid solution single crystals of CdSesub(x)Tesub(1-x). 363956

Olimov, K.
On the structure of the longitudinal rapidity inclusive distribution in the 20-200 GeV range. 369347
Olin, A.
Measurement of the π→eupsilon branching ratio. (INIS-mf – 4267) 377792
Olinger, R.
Reduction of tritium-containing aqueous waste from a large reprocessing plant. 369841
Olinski, R.
Investigation of predenaturation changes caused by gamma irradiation in DNA lymphocytes applying fractionation on hydroxylapatite. 373488
Oliva Florio, A.
Interference effects in ion-electron emission induced by molecular ions. (INIS-mf – 3996) 363952
Z_1 dependence of ion-electron emission from clean Al surface. (INIS-mf – 3996) 363940
Olivain, J.
Measurement of the poloidal field in the Pulsator tokamak using a neutral Li beam in conjunction with the Zeeman effect. (INIS-mf – 3963) 374840
Observation of nonlinear Landau damping of a broad-band spectrum of electron plasma waves. 350852
Olivan, C.M.
Study of the reaction ^{91}Zr (d,p)^{92}Zr. 354159
Olivares, A.M.
Difunctional aromatic arsenic acids as reagents for liquid-liquid extraction of scandium(III). 359670
Olivarri, A.J.
Immediate action of L-2,3,5,6-tetrahydrophenylimido (2,1b) azothiazol (levamisole) on the phagocytosis of inert radiocolloidal particles. 373585
Olive, D.
Magnetic monopoles as gauge particles. 372464
Olive, K.
Search for quarks produced with large transverse momentum in 400-GeV proton-nucleus collisions. 359331
Oliveira, A.C.
Quadrupolar hyperfine anisotropy in potassium dithioferrate. 371599
Oliveira, A.L.
Quadrupole interaction in the stabilized cubic phase of HfO_2. 350708
Oliveira, E.C.
Health physics system scheme for the uranium purification plant. (IEA – 400) 355022
Oliveira, J.
Quadrupole interaction in the stabilized cubic phase of HfO_2. 350708
Oliveira, L.E.
Calculation of the electronic structure and magnetic hyperfine contact terms of interstitial hydrogen in alkaline-earth fluorides. (PUC-TN – 18/75) 353477
F-centers in alkaline-earth fluorides. Inadequacy of the muffin-tin approximation. (PUC-TN – 19/77) 364083
Oliveira, L.N. de
Aspects of space charge theory applied to dielectric under electron beam irradiation. (INIS-mf – 3426) 355818
Electron beams as virtual electrodes. (INIS-mf – 4127) 364085
SCL current injection in a deep fast trapping dielectric. (INIS-mf – 4127) 364084
Oliveira, M.G.
Effect of gamma radiation (^{60}Co) on the organoleptic and nutritive properties of common beans (Phaseolus vulgaris L., cv. mulatinho). (CENA-BC – 018) 354759
Oliveira, P.L.C.
Determination of the radiological capacity in the IEA environment. (IEA – 454) 352052
Oliveira, P.M.
F-centers in alkaline-earth fluorides. Inadequacy of the muffin-tin approximation. (PUC-TN – 19/77) 364083
Oliver, B.M.
Pulsed spherical probe measurements of plasma conductivity in a flowing continuum plasma. 356100
Oliver, D.R. Jr.
On certain timelike symmetry properties and the evolution of matter field space-times that admit them. 368574
Oliver, E.H.V.
Helically coiled 'once through' steam generators at Hartlepool. 352675
Oliver, J.H.
Thermal-neutron capture and fission cross sections and resonance integrals for curium-243. 372704
Oliver, J.P.
OECD countries pursue geological disposal. 376765
Oliver, L.
Absolute magnitude of non-leptonic hyperon decays and electromagnetic hyperfine splittings. 372451
Strong decays of psi''(4.028) as a radial excitation of charmonium. 375039
Why is psi(4.414) so narrow. 375040
Oliver, M.A.
Admissible coordinate systems for static, spherically symmetric stellar models. 369176
The mass-energy of a finite body in general relativity. 368575
Oliver, R.G.
Deuterium tracer study of alkane formation in the palladium-catalyzed hydrogenation of propadiene and of 1,2-butadiene and its implications concerning the breakdown of selectivity in ethyne hydrogenation. 369682
Oliver, S.
Differential diagnosis of bone avascular necrosis and osteoarthritis by consecutive radiotechnetium diphosphonate and radiogallium citrate study. (INIS-mf – 4010) 370465
Olivier, C.
Recent developments in the analytical application of prompt spectrometry. 356942
Olivier, J.-P.
Dynamic R and D needed for waste management problem. 361098
Olivier, J.C.
Proposal for an experimental program at SIN. Study of pion – nucleus scattering using a magnetic spectrometer. (LA-tr – 77-84) 377985
Olivier, J.P.
Present trends in radioactive waste management policies in OECD countries, and related international co-operative efforts. 368379
Olivo, M.
SIN accelerator, operational experience and improvement programs. 363267
Olk, L.B.
Six-frame picosecond radiation camera based on hydrated electron photoabsorption phenomena. (UCRL – 76191) 352831
Olkkonen, H.
Assessment of fat content of liver by a photon scattering technique. 357705
Comparison of sup(113m)In and ^{133}Xe i.v. injection methods for evaluation of placental blood flow. 373680
Ollier, H.
Advanced mixed oxide fuel element for fast reactors. 379753
Ollikkala, H.
NORHAV – a Nordic reactor safety evaluation project. 370597
Olma, B.J.
The physical tests in the KNK-II. 376409
Olmer, C.
Energy dependence of the distribution of reaction strength in the ^{16}O + ^{40}Ca collisions. (ANL – 77-60) 378024
Influence of intrinsic nucleon motion on energy spectra and angular distributions for ^{16}O-induced reactions at 20 MeV/A. 356769
Measurements of the fusion of ^{12}C + ^{14} N and the liquid-drop limit for ^{26}Al. 356896
Particle-particle angular correlations in peripheral heavy-ion reactions. 362065
Olmos, J.
Modular approach to fault tree and reliability analysis. 352270
Olmos, R.
Clinical assessment of angioscintigraphy and brain sequential scintigraphy with sup(99m)Tc-DTPA. (INIS-mf – 4010) 357674
Olness, J.W.
Coulomb excitation of sd shell nuclei: a self-contained set of B(E2) values and lifetime measurements. 375203
Yrast decay schemes from heavy ion + ^{48}Ca fusion-evaporation reactions. I. ^{54} ^{56}Mn, ^{56}Cr, and ^{52} ^{53}V. 351397
Yrast decay schemes from heavy-ion + ^{48}Ca fusion-evaporation reactions II. ^{59} ^{60}Fe and ^{59} ^{60}Co. 364832
Olovyanishnikov, V.A.
Hardening ability and phase composition of nitrocementated steels. 375916
Olsen, A.
NORHAV – a Nordic reactor safety evaluation project. 370597
Olsen, A.R.
Method for determining the uncertainty of gap conductance deduced from measured fuel centerline temperatures. (BNWL – 2091) 374201
Olsen, C.R.
Suspended particulates and natural radionuclides as tracers of pollutant transports in Continental Shelf waters of the Eastern U.S.A. (TID – 22790) 379217
Olsen, D.K.
Measurement of the ^{238}U subthreshold fission cross section for incident neutron energies between 0.6 and 100 keV. 351343
Precise measurement and analysis of neutron transmission through ^{238}U. 356851
150-m measurement of 0.880- to 100.0-keV neutron transmissions through four samples of ^{238}U. (ORNL/TM – 5915) 369501
Olsen, D.P.
Vibrationally inelastic scattering at moderate energies. 361383
Olsen, E.
Energy degradation in elastic-collision spikes. (INIS-mf – 3996) 363983
Olsen, J.M.
Measurement of the branching ratios of multi-pion final states in anti pp annihilation at 1.6 GeV/c. 366884
Olsen, J.N.
Electron beam driven implosions. (SAND – 77-1506C) 371733
Pulse shaping in the iodine laser. 348947
Reflection losses from laser-produced plasmas. 374820
Olsen, J.O.
Autoionising neon levels excited in 5-10 keV collisions with lithium and sodium. 366313
Olsen, J.S.
Electron hopping and temperature dependent oxidation states of iron in ilvaite studied by Moessbauer effect. 364031
X-ray energy-dispersive diffractometry using synchrotron radiation. 353408
Olsen, L.C.
Interpretation of inert gas release from irradiated solids. 373373
Olsen, N.B.
Electron hopping and temperature dependent oxidation states of

iron in ilvaite studied by Moessbauer effect. (INIS-mf - 4029) 364030, 364031
Olsen, S.
A search for integrally charged quarks. 377788
Olsen, W.C.
Knockout reaction study with a polarized proton beam. 372780
Olsha, Z.
On the effect of passive heat sinks on the containment heat removal following a LOCA, using the CONTEMPT code. (INIS-mf - 4052) 368014
Olson, C.D.
Influence of K_2O on the cerium oxide - ZrO_2 system. 357189
Olson, C.G.
Optical properties (0.1 - 25 eV) of Nb-Mo and other Nb-based alloys. 359897
Olson, D.J.
Application of results from the LOFT and Semiscale LOCA tests to reactor safety questions. 370925
Olson, H.G.
Nonlinear subcritical multiplication at the Fort St. Vrain HTGR. 358253
Operation of selected safety features of the Fort St. Vrain HTGR. 358262
Olson, J.H.
Evidence for spur overlap in the pulse radiolysis of water. 359775
Olson, J.V.
Evidence for the control of Pc 3,4 magnetic pulsations by the solar wind velocity. 360210
Olson, N.C.
Calculation of accident doses to equipment inside containment of power reactors. 367769
Post-loss-of-coolant accident doses to pressurized water reactor equipment. 367770
Olson, R.
Ab initio calculations for the X $^2\Sigma$, A ^{2}Pi, and B $^2\Sigma$ states of NaAr: Emission spectra and cross sections for fine-structure transitions in Na - Ar collisions. 350676
Olson, R.E.
Charge-transfer and impact-ionization cross sections for fully and partially stripped positive ions colliding with atomic hydrogen. 350664
Charge-transfer cross sections for B^{3+}, C^{4+} + H collisions. 377088
Collisional angular-momentum mixing of highly excited Na(n ^{2}D) states by N_2 and CO. 350614
Cross sections for quenching of H(2s) by collisions with Ar. 353323
Influence of rotational coupling on electron capture in C^{+6}-H(1S) collisions. 358816
Study of the Na-Ar systems: emission spectra and cross sections for fine-structure transitions in Na-Ar collisions. 353351
Theoretical charge-exchange total cross sections for B^{+3} + He and C^{+4} + He collisions. 358826
Olson, R.R.
Composition and isotope variations in sputtering as a function of the ejection angle. 368904
Olson, W.D.
Overview of the SECOM II communications system. (SAND - 77-0715) 358589
Olsson, G.
Studies of decay power for KBS part 1. Literature review part 2. Calculations. (KBS-TR - 07) 363643
Olsson, J.O.
Molecular beam surface ionization detection. II. 354522
Olsson, L.G.
The dynamics of the NH^+_4 ion in ammonium chloride in disordered states by cold neutrons scattering experiments. 371655
Olsson, M.G.
The $\Delta(3,3)$ phase shift. 361836
Olszewska, M.J.
Autoradoigraphic study of ^{3}H colchicine binding in synchronously dividing cells of antheridial filaments of Chara vulgaris L. during successive stages of development. 367635
Olszewski, J.S.
B and W-designed close-spaced fuel storage racks. 352656
Olyijnik, G.S.
On the mechanism of simple direct sphalerite transformation in boron nitride. 378772
Omar, H.
A contribution to the structure of the ^{28}Si dipole resonance. 372606
Omata, I.
Analysis of gas circulation in an HTGR containment. (BNL-NUREG - 22860) 367783
Layering and combustion in the HTGR containment following depressurization accident. 352271
Omberg, R.P.
Development of LMFBR core designs using reference and advanced oxide fuel. 379742
Evaluation of LMFBR performance characteristics in the U.S. nuclear energy system. 352751
Ombrellaro, P.A.
High ^{240}Pu FTR/EMC experiments and analysis: Carbide fuel and UO_2 blanket subassembly worths. (HEDL-TME - 77-44) 368250
Omel'chenko, A.Ya.
Absolute parametric instability of potential oscillations in an anisotropic plasma with a two-dimensional inhomogeneity. 368933
Modulation of electromagnetic waves in an isotropic inhomogeneous plasma. 348907
Omel'chenko, B.D.
High-stable transformer direct current transducers. (JINR - 13-9827) 376743
Omel'chenko, S.A.
EPR of gadolinium in zinc sulfide. (INIS-mf - 3955) 377229
Omel'chenko, Yu.A.
Synthesis of monophase niobium diborite from elements in vacuum. 349568
Omel'yanovskij, Eh.M.
Charge carrier recombination in high-resistant n-InSb at 77 K. 374772
Omes, S.P.
Evaluation of porosity boundaries of reservoirs in Efremovskoye gas field. 360156
Omes', S.P.
Experience in a complex geophysical exploration of gas zones (Efremovskoye field). 354669
Omi, Jun-ichi
Post-irradiation chemistry of selenium in neutron activation analysis. 354307
Omichi, H.
ESR studies of the radiation-induced multiple graft polymerization. 373074
Omidvar, K.
Excitation, ionization, and charge exchange cross sections and equilibrium charge states of highly charged ions in a neutral gas. 358801
X-ray and gamma-ray line production by nonthermal ions. (N - 77-27061) 377595
Omkar Nath
Wave-particle interaction in magnetoplasma around the upper hybrid resonance. 366549
Omont, A.
On the theory of collisions of atoms in Rydberg states with neutral particles. 377089
Omori, Takashi
Feedwater control system for a nuclear power plant. 368076
Method of controlling the operation of a feedwater system. 368077
Omori, Takuro
Inspection of the fuel for the Japan Experimental Fast Breeder Reactor JOYO. (PNCT - 831-76-01) 379788
Omori, Toshikazu
Structural reliability and its proving in reactor technology. 374151
Onaka, Takashi
A Monte Carlo calculation of high-energy sputtering. 348834
Onchi, Takeo
Effect of neutron irradiation on deformation behavior of zirconium. 373374
Ondash, C.S.
Impact of containment design on nuclear plant availability. 370931
Ondov, J.M.
Trace-element emissions from western U.S. coal-fired power plants. 375337
Ondracek, G.
On the relationship between the properties and the microstructure of multiphase materials. Pt. 1. 365205, 365206
Properties of carbides and hard metals. Pt. 1. (KFK-EXT - 6/77-1) 365202
Properties of carbides and hard metals. Pt. 2. (KFK-EXT - 6/77-1) 365203
Technology and properties of corium melts. (KFK - 2435) 357801
Ondrejcin, R.S.
Investigation of cooling coil corrosion in storage tanks for radioactive waste. (DP-MS - 77-109) 380058
Oneda, S.
Intermultiplet mixing of the vector mesons in a nonperturbative approach to broken SU(4). 351195
Ong, C.L.
Leptonic decays of J/psi and exact spectral-function sum rules. 359306
Ong, N.P.
Anomalous transport properties of a linear-chain metal: $NbSe_3$. 367265
Ong, R.S.B.
On the Schroedinger equation with exponential nonlinearity. 356158
Onisenko, L.P.
Study of structure and morphology of the hardening phase in the Nb-Zr-C alloy under long-term action of high temperature and stresses in vacuum. 378655
Onishchenko, A.M.
Enhancing the accuracy in the course of coal ash content measurement from the forward scattered gamma-radiation intensity. 357893
Excitation energy transfer between rare earth ions in crystals. (INIS-mf - 3955) 378456
Investigation into kinetics of transformation of infrared radiation to visible one in La_2O_2S-Yb^{3+}-Er^{3+}. (INIS-mf - 3955) 378455
Transfer of excitation energy between Cr^{3+}, Yb^{3+} and Er^{3+} ions in yttrium-aluminium garnet. (INIS-mf - 3955) 378454
Onishchenko, Eh.V.
Moessbauer relaxation spectra of superparamagnetic particles. 361460
Onishchenko, I.N.
Interaction of a supercritical initial velocity beam with finite amplitude waves. 368915
Onishchenko, L.M.
Technique for measuring the frequency of lateral incoherent oscillations of a charged particle bunch. (Soviet patent document 422129/A/) 355194

Onishchenko, M.K.
LiCl(NaCl)-$CeCl_3$-H_2O systems at 25 deg C. 375595
Onishenko, V.V.
Dynamical stabilization of MHD current instabilities in a toroidal system with resonant excitation of helical HF waves in a plasma. (INIS-mf – 3963) 371809
The wave excitation in a plasma at a helical resonance HF heating. (INIS-mf – 3963) 371808
Onishi, H.
Spectrophotometric determination of zirconium in nickel-base alloys with Arsenazo III after separation by froth flotation. 375352
Onishi, Hiroshi
Liquid-liquid extraction of the EDTA complexes of lanthanides with a quaternary ammonium salt. 369582
Onishi, Koichi
Application of nondestructive assay to the plutonium fuel fabrication facility. (PNCT – 831-76-01) 380138
Onishi, Nobuhito
Density and temperature variation in the exosphere derived from the orbital decay of satellite TAIYO. 349679
Onishi, Toshitada
Energy transfer from a superconducting magnet to an inductive load. 358995
Onishi, Y.
Mathematical simulation of sediment and radionuclide transport in the Columbia River. (BNWL – 2228) 360178
Onishi, Yokio
Trace analysis for environmental analysis, (6). 349168
Onisi, Koichi
Cause of defect in the end plug welding of the JOYO fuel pin. (PNCT – 831-76-01) 379799
Onizuka, Atsuyoshi
Investigation of radiation proctitis in the Department of Surgery of the Gifu University. 367532
Onizuka, Hatsuki
Oxidizing agent and reducing agent. 360560
Onley, D.S.
Angular distribution of fission fragments following electroexcitation. (IFUSP-P – 94) 364709
Influence of the coulomb distortion on the virtual photons spectrum. 354244
A new technique for calculating virtual photon spectra. 354114
Onnen, S.
Layout principle of the data processing system for nuclear safeguards at Karlsruhe nuclear research centre. 371300
Ono, Hirobumi
Comparison of surface sputtering characteristics by a low energy secondary ion mass analysis using a quadrupole type analyser with those by Auger electron spectrum analysis. 354311
Ono, Hironobu
Fabrication characteristics and strength of polymer-impregnated concrete polymerized by accelerated electron. 373372
Ono, Isamu
Radiolysis of titanium potassium oxalate in aqueous solution. 349345
Tissue tolerance under the combination treatment of maxillary cancer. 354803
Ono, Masayoshi
Apparatus for separation of mixture gas. 368381
Ono, Mituo
On the optical properties of irradiated cobalt glass and other glasses. 349596
Ono, R.
Absorption of high energy electrons in liquid medium. 354021
Absorption of high energy electrons in liquid nitrogen. 356549
Ono, Takayuki
Plasma measurement and plasma wave excitation experiment on K-9M-49 rocket. 377640
Ono, Tokue
Structural reliability and its proving in reactor technology. 374151
Ono, Y.
Linear waves in a radiating and scattering grey medium. III. 349003
Ono, Yo
On the three dimensional dose distribution of mantle field technic with the telecobalt unit. 373899
Ono, Yoshimi
Clinical application of extracellular fluid measurement using ^{35}S-sodium sulfate. 379200
Ono, Yoshiyuki
Glove box for tritium handling. 360683
Safety handling of tritium. 355162
Onodera, Shinsaku
Recent development in ultra heavy section steel forgings for light water reactor components. 359969
The tendency of forgings for light water reactor. 367266
Onodera, Y.
Vortex chain size effect and negative resistance in pin-free superconducting films. 360005
Onofri, E.
A class of solvable models with time-dependent Hamiltonians. 353128
Onolaja, G.B.
Solar cycle variation of ionospheric E-region horizontal drifts at Ibadan. 373468
Onopko, D.E.
Theoretical investigation of uranium ions luminescence in crystals of different symmetry. (INIS-mf – 3955) 377261
Onoue, Masataka
Introduction to nuclear medicine. 379189
Onsager, R.W.
Use of on-line computers in boiling water reactor power plant. 350166
Onstott, E.I.
Carbonation of cerium oxychloride. (LA-UR – 77-2030) 362203
Onufriev, V.D.
Effect of ion doping on the blistering in OKh16N15M3B steel. (INIS-mf – 3954) 362533
An investigation of helium release from structural materials during heating. 360124
Study on Ni and OKh16N15M3B steel radiation swelling under Ni ions bombardment at energy up to 300 keV. (INIS-mf – 3954) 362552
Onuma, N.
Trace element distribution in mineral separates of the Allende inclusions and their genetic implications. 354668
Onyshko, V.T.
Ultrasonic machining of transition metals. 367220
Onzawa, Tadao
Synthetic studies on stainless clad steels. 378648
Ooe, Toshiharu
Development and installation of 500kV oil-filled cable. 368126
Ooka, Norikazu
Fabrication of an aluminum capsule for irradiation in a nuclear reactor by friction welding and its safety test. 367951
Ooka, Toshitaka
Accuracy analysis in HTR nuclear design. 374231
Oomens, A.A.M.
Influence of predischarge conditions in SPICA. (INIS-mf – 3963) 371976
Oona, H.
L-shell x-ray cross sections for Cl-Ar and Ar-Ar collisions. 350665
Measurement of x-rays emitted from projectiles moving in solid targets. 371482
Oonishi, H.
Composite TLD based on $CaSO_4$:Tm for γ-rays, X-rays, β-rays and thermal neutrons. 371106
Oostens, J.
^3He production in ^4He fragmentation on protons at 6.85 GeV/c. 354154
Angular distribution measurement of the reaction $\alpha p \rightarrow {}^3He$ d at 3.98 GeV/c. 354147
Oosterbaan, C.E.
Westerbork surveys of radio sources at 610 and 1415 MHz. 366780
Oosterhuis, J.W.
Lymphatic migration after laser surgery. 379112
Oosterkamp, W.J.
Implantation of reactor physics codes: a case of technology transfer. 352441
Oosthuizen, P.H.
The prospects for energy from alternate sources in Canada. 361143
Oouchi, Mitsuo
Diffusion welding of molybdenum to hastelloy alloy X. 359869
Opalenko, A.A.
Low-temperature mechanical press for Moessbauer effect study. 371182
Opalovskij, A.A.
On reaction of alkali metal hexafluorogermanates with acetic acid solutions. 362209
Reaction of molybdenum chlorides with chalcogens. 375510
Solid solutions on the base of tetrafluoroborates and perchlorates. 375531
Opara, B.K.
Polarization effects following electric current action on the system of metal-oxide film (solid electrolyte). (INIS-mf – 4189) 375532
Use of electrochemical methods for investigating mechanism of high-temperature oxidation of metals. (INIS-mf – 4189) 375533
Oparin, A.A.
Investigation into kinetics of mechanical properties change of steel-St3 after high-temperature aging. 375813
Opat, G.I.
New limit on the decay $\mu^+ \rightarrow e^+\gamma$. 372516
Opdenaker, A.
U.S. advanced fuels safety program. 379804
Opeke, L.K.
Mutation breeding against black pod (Phytophthora pod rot) disease of cacao (Theobroma cacao). 373751
Ophel, T.R.
Energy levels of ^{16}O near 15 MeV excitation from ^{15}N + p reactions. 372754
Levels of ^{16}O near 13 MeV excitation from ^{15}N + p reactions. 354165
Location of the major 2Psub(1/2) strength in ^{49}Sc by forward angle heavy-ion j dependence. (ANU-P – 686) 372775
Location of the major 2psub(1/2) strength in ^{49}Sc by forward-angle heavy-ion j dependence. 375184
Opladen, G.
An energy-independent albedo-dosimeter for neutrons. 361034
Opletaev, V.M.
Transport properties in molten mixtures of uranium trichloride with alkali metal chlorides. (INIS-mf – 4193) 375628
Opoien, J.W.
High energy behavior of fermion – meson and meson – meson scattering in a supersymmetric field theory. (IS-T – 797) 372466
Oppenlaender, T.
Enhancement of neutron yield from Focus devices. (INIS-mf – 3963) 371787
The plasma focus current in the compression phase. 366610

Oppermann, H.
The enthalpy of formation for tellurium tetrahalogenides. 349274
The saturation vapour pressure of tellurium and tellurium oxides. 364979
Oppolzer, H.
Electron microscopical observation of the radiation damage distribution in ion implanted SiO_2-Si structures. (INIS-mf – 3996) 364054
Opri, F.
Value and limitations of retrosternal lymph scintigraphy for the staging of breast cancer. (INIS-mf – 4010) 357712
Oproiu, C.
Distribution of the branking radiation dose in the linear electron accelerator of 3 MeV. 379510
The transitory effects induced in electrically insulated materials by ionizing radiation fields. 378811
Opyrchal, H.
Effects of γ-ray irradiation on the properties of Pb^{2+} doped potassium chloride crystals. 365234
Oraevskij, A.N.
DF-CO_2 chemical amplifier of light short pulses. 376328
Laser-stimulated chemical reactions and isotope separation. 363071
On kinetics of laser-produced chemical reactions. 362160
Oraevskij, V.N.
Generation of dense-plasma fast flows while laser irradiation of a solid target. (KIYI – 76-4) 374849
Spontaneous positron production by a Coulomb center in a homogeneous magnetic field. 377090
Oralov, T.A.
On use of the red mud to improve the technology of roasting of vanadium slags with soda. 372988
Orance, W.
Dilepton production by neutrinos in neon. 351210, 353929
Orasanu, I.
Determination of aquifer interconnections by use of tritium in the Turt-Bai region. 379419
Orava, R.
Charge asymmetry at large psub(T) in inelastic anti pp reactions at 22.4 GeV/c. 353943
Multiplicities and forward-backward correlations in anti pp interactions at 22.4 GeV/c. 366882
Orbesen, S.D.
Design and performance of a heavy ion detector using a gridded ionization chamber with helical position-sensitive proportional counter. (LA – 6843-MS) 361050
Shape transition between N = 40 and 42 in the Ga and Ge isotopes. 378073
Shape transition between N = 40 and 42 in the Ga and Ge isotopes. (IPNO-PhN – 77-23) 369514
Orbon, S.J.
Topographical, microstructural and chemical effects of simulated high heat flux on the corrosion of Type 316 stainless steel in flowing sodium. 354461
Orchinnikora, M.Ya.
Classical S-matrix study of tunneling hydrogen atom reactions with hydrocarbons. 377091
Ordan-yan, S.S.
Synthesis of monophase niobium diborite from elements in vacuum. 349568
Ordan'yan, S.S.
Interaction in the HfC-HfB_2 system. 360023
Orden, J.W. van
Contributions of meson-exchange currents to inelastic electron scattering. (INIS-mf – 4267) 377725
Ordynets, G.E.
Use of lead isotopic composition in sulfides for the mineral-formation geochronology. 360157
Ordzhonikidze, K.G.
Investigation of the dissociation and ionization processes of the nitrogen oxides NO, N_2O and NO_2 in the ion source of a mass spectrometer. (KFK-tr – 533) 353324
Ore, F.R. Jr.
Propagators in the presence of a Yang-Mills pseudoparticle. 363824
Orear, J.
201-GeV/c proton-proton elastic scattering at large momentum transfer. 366888
Orebaugh, E.G.
Radiolytic gas production from tritiated waste forms. (DP – 1459) 363656
Orechwa, Y.
Assumptions, constraints and methodology of ANL advanced fuels system studies. 379728
Orefice, A.
Quasi-linear processes in the slide-away regime of a toroidal plasma. (INIS-mf – 3963) 371710
Oreg, J.
Two dimensional plasma simulation code. (NRCN – 438) 374526
Orekhov, A.N.
Action of radioprotective drugs on the level of adenosine cyclic 3',5'-monophosphate and on the activities of adenylate cyclase and adenosine cyclic 3',5'-monophosphate phosphodiesterase. 349753
The effect of radioprotectors and ionizing radiation on the cAMP system. 360228
Orekhov, I.V.
Possibility of nuclear-component depth-distribution measurement from muon interaction by radiochemical method. 363551
Orekhov, O.R.
Errors of digital registration of radioactivity logging data. 349627
Orekhov, V.T.
Interaction of higher fluorides of f- and d-elements of the 5. and 6. groups of the periodic system with organic compounds. 369683
Orel, V.P.
High-power pulsed thyratron performance and TGI1-2500/50 characteristics in the nanosecond range. 376741
Oren, L.
Trapping and removal of oxygen in tokamaks. 348948
Oren, M.
Optical modulation study of proton-bombarded GaAs. 370201
Oren, V.
Technetium-99m-pyridoxylideneglutamate in jaundiced patients. 354947
Orent, T.W.
The interactions of nitric oxide and oxygen with Ru(10$\bar{1}$0). 354546
Orford, K.J.
Some results on the sensitivity of the RCA 4522 photomultiplier tube. 358386
Orgun-Savaser, F.B.
Kidney imaging on bone scintiscans compared with results of infusion urography of patients with prostate carcinoma. (INIS-mf – 4010) 357706
Oria, M.
Training and education. 371313
Oria, Michel
Radioactivity measurement using liquid scintillation counters. 361056
Orient, O.J.
Mobilities of H_3^+ and HeH^+ ions in helium gas and rate coefficient for $HeH^+ + H_2 \rightarrow H_3^+ + He$. 368688
Orii, Hirotake
Intracellular dynamic state of tumor-philic radionuclides, 1. 379116
Orii, Shoichi
Reactor. 360990
Orishchin, Yu.M.
Effect of hydrostatic pressure on electric conductivity and the Hall coefficient of n-type In_2Se. 374756
Orito, S.
Evidence for the F meson. 353947
Measurements of tau decay modes and a precise determination of the mass. 372505
On the origin of inclusive electron events in e^+e^- annihilation between 3.6 and 5.2 GeV. 353772
On the semileptonic decay of charmed hadrons. 356496
Orito, Takeo
Monitoring of ^{131}I in exhalation of patients administered ^{131}I for therapy. 367592
Orkin-Lecourtois, A.
Further evidence for production of electrons with small transverse momenta in pp collisions. 377784
Orlandini, G.
Sum rules and mean excitation energies for longitudinal isoscalar electroexcitation of nuclei. 359420
Orlenkov, I.S.
Continuous analysis of iodine, cesium, barium, strontium, yttrium and rare earths isotopes from water coolant of nuclear reactor. 356967
Orletskij, V.B.
Double inversion of the Hall coefficient in p-type Pbsub(1-x)Snsub(x)Te solid solution. 358884
Formation of p-n junctions at the surface and in the volume of Pbsub(0.82)Snsub(0.18)Te monocrystals. 358883
Some specific features of a band spectrum of Pbsub(0.82)Snsub(0.18)Te narrow-gaped solid solution. 374744
Temperature dependence of the ration of mobilities in Pbsub(0.72)Snsub(0.28)Te solid solution. 349509
Orlinskij, D.V.
Plasma diagnostics in the T-10M facility. (INIS-mf – 3954) 361604
Orlov, A.N.
Physical models of damage accumulation and a durability problem. (INIS-mf – 4190) 377203
Theory of tough propagation of a crack in fibrous composite material. 349554
Orlov, A.V.
Cryosorption pump for ultracold neutrons source vacuum system oilless pumping. 370674
Orlov, B.N.
Analysis of the 6 MeV proton scattering on intermediate mass nuclei. 377855
Orlov, G.L.
Calculation of pulse amplitude in nuclear magnetic logging. 367347
Device for nuclear magnetic logging. (Soviet patent document 441541/A/) 360173
Instrumentation for spin-echo nuclear magnetic logging. 375962
Modelling of the contactless polarization current switch-off process in nuclear-magnetic logging. 367360
Orlov, I.I.
Equation for ππ scattering partial wave amplitudes (neutral model). 356452
Orlov, L.G.
Calculation method for radiative capture gamma-quanta distribution in a homogeneous medium irradiated pulse neutron flux. 357474
Cyclic strength of molybdenum alloys Mo-Ti-Zr-C and Mo-B-Al-C at room temperature. 378745
On fatique fracture mechanism of the molybdenum alloy-TSM-1O. 349547
Orlov, L.I.
Increasing information reliability in case of radioactive logging.

349631
Measuring telesystem for pulse neutron logging. 349648
Orlov, L.K.
Periodic semiconductive structures on the basis of piezoelectric crystals. 374757
Orlov, M.S.
Anit-Stokes luminescence of Er^{3+} ion in the fluorite crystals with Gd^{3+} addition. (INIS-mf – 3955) 377262
Luminescent spectra of rare earth ions in mixed fluoride crystals. (INIS-mf – 3955) 377170
Spectra of impurities and rare earth defects in yttrium trifluoride. (INIS-mf – 3955) 377212
Orlov, N.A.
Application of boat method in emissive flame photometry for determination of Li, Rb, Cs, Na, K, Ca, Sr, Ba. 349182
Orlov, N.F.
Characteristics of small-sized scintillation detectors for neutron logging. 365257
Orlov, P.N.
Vacuum conditions at Tokamak-10. 368948
Orlov, S.P.
Effect of pH on the radiolysis of deaerated aqueous solutions of aminothiols. 354425
Orlov, V.A.
Amplifier with input signal amplitude change in a wide range. 376729
Orlov, V.I.
Characteristics of protons emitted into the backward hemisphere in pion-nucleus interactions. 369375
Orlov, V.M.
Solid solutions in systems of $CdSnP_2$-$CdSnAs_2$ and $CdSnP_2$-$CdGeP_2$. 378274
Orlov, V.N.
Copper determination in polymetallic ores by x-ray radiometric method. 351943
Peculiarities of analysis of heterogeneous media using secondary radiation in beam geometry. 365279
Orlov, V.V.
Hybrid thermonuclear reactor for fissile material production. (INIS-mf – 3954) 361552
Nuclear fuel production in hybrid thermonuclear reactors. (INIS-mf – 3954) 361643
Orlov, Yu.N.
Optical-spectroscopic investigation of CaF_2-Gd, Eu monocrystals. (INIS-mf – 3955) 377263
Orlova, A.I.
Extraction of hafnium rhodanides by cyclohexanone from hydrochloric-acid solutions. 351586
Orlova, G.I.
Comparison of experimental distributions of rapidity intervals in inelastic π^-p interactions at 60 GeV with the multiperipheral cluster model. 369341
A study of inelastic pion-nucleus interactions at 200 GeV/c in an emulsion. 356481
Orlova, G.M.
Study of phase diagram of GeTe-As_2Te_3 system. 375395
Orlova, I.G.
Automatic method of acid refining of thin-dispersed zircon. 375930
Effect of molding method and some additives on the zircon sintering. 375932
Effect of surfactants on wet zircon vibrogrinding. 375931
Orlova, L.F.
Ionizing radiation-induced solidification of the urea-formaldehyderesins. (INIS-mf – 4194) 376279
Orlova, O.A.
Experiments to produce isotopes of superheavy elements with atomic numbers 114-116 in ^{48}Ca ion reactions. 372801
Orlova, T.V.
On the asymmetry of selected Fraunhofer lines. 353691
Orlova, T.Yu.
Complexes of pyridinium cyclopentadienylide with chromium- and molybdenum carbonyls. 378448
Orlovskij, A.V.
Production of intensive negative hydrogen ion beams. 350071
Scattering of the 4.7 MeV neutrons on Al and Fe. (INIS-mf – 3897) 356819
Orlovskij, V.P.
Evaluation of ΔH^0_{298} and S^0_{298} of scandium, ytrrium and lanthanide orthophosphates. 351577
Orlowska-Bijak, M.A.
Effect of X-rays irradiationon the biological activity of H-2sup(d) glycoprotein. 354746
Orlowski, M.L.
Josephson behavior in large-cross-section bridges of type I superconductor. 351792
Orlowski, S.
The role of the Commission of the European Communities in the supply of nuclear fuel and the development of the nuclear fuel industry. 368443
Orlowski, T.E.
Laser excitation of stationary states in molecules: the coupling of real eigenstates to phonons and photons. 361408
Ormaasen, D.E.
U, Th, and K determinations on the superferrian Voltri eclogites (Pennidic Belt, Italy). 376004
Orman, S.
Oxidation of uranium and uranium alloys. 373111
Stress corrosion cracking of lean uranium alloys. 373103
Ormandjiev, S.I.
Linear spectrometric amplifiers on the base of transistors and the 1UT401B type integrated circuits. (JINR – 13-9135) 358420
Linear transmission and memory devices on the base of the 1UT401B operational amplifiers. (JINR – 13-9079) 368354
Ormandzhiev, S.I.
Coindicence spectrometer. (Soviet patent document 424256/A/) 355532
Device to stabilize the transfer coefficient of a scintillation detector. (Soviet patent document 486291/A/) 355560
Double magnetic-lens beta spectrometer for lifetime measurements of nucleus excited states. (JINR-R – 13-9516) 355491
Fast-response fission ionization chamber with ^{235}U radiators. 358347
Linear gating and memory devices on 1UT401B operational amplifiers. 376751
Two-parameter gamma-gamma coincidence analysis with the "useful" data selection on both parameters. 358439
Ormicki, M.
Physics in schools: the geometrical behaviour of large objects moving with relativistic velocities. 361303
Ormont, B.F.
Study on electrically active intrinsic defects in zinc telluride monocrystals. 374691
Ormrod, J.H.
Status of the Chalk River superconducting heavy-ion cyclotron. 363309
Orochko, D.I.
Formation of gas bubbles in fluidized bed. 357891
Orozco, J.A.
Influence of liquid heat conduction on maximum pressure during transient film boiling from a sphere to a saturated liquid. 352369
Orphan, V.J.
Gamma-ray production cross sections for copper from 0.67 to 19.6 MeV. 362095
System optimization for prompt-neutron activation analysis of coal. 378154
Orr, B.H.
Albedo-dosimeter response to monoenergetic neutrons. 355049
Orr, D.
Hydromagnetic wave observations at large longitudinal separations. 360215
Orr, J.S.
The assessment of red cell survival in normal subjects and in patients with haemolytic disorders and ineffective erythropoiesis using the radioiron occupancy method. 379146
Interaction of hyperthermia and radiation: temperature coefficient of interaction. 360230
Interaction of hyperthermia and radiation: the survival surface. 360229
Orr, W.L.
Nuclear techniques in oil and gas exploration and production. 375968
Ortega, M.J.
Nuclear education at the Spanish Polytechnical Universities: present situation and future perspectives. 352583
Ortendahl, D.
Elimination of image blurring due to double scatter events in γ imaging MWPC detectors. (LBL – 6436) 379927
Orth, C.J.
Some recent results on μ^-transfer in systems with bound hydrogen. (LA-UR – 77-1266) 361371
Ortiz Berrocal, J.
Comparative CAT and radionuclide studies in brain exploration. (INIS-mf – 4010) 362804
The diagnosis of myocardial infarction and ischaemia using sup(99m)Tc and ^{201}Tl. (INIS-mf – 4010) 362805
Ortlepp, Kh.-G.
Probability of fission of ^{232}Th induced by μ mesons. 349136
Timing properties study of serial coaxial Ge(Li) detectors of large volume. 371078
Ortner, D.J.
Inclusions in bone material as a source of error in radiocarbon dating. 359555
Ortner, H.M.
Application of modern instrumental methods to the trace analysis in refractory metals. 378148
Ortner, J.
International magnetospheric study: progress report. 362613
Ortolani, F.
Local harmonic approximation in quantum statistical mechanics. 363773
Ortolani, S.
Characteristics of spontaneously generated RFP in Eta-Beta. (INIS-mf – 3963) 353532
Orton, B.R.
The partial structure factor of sulphur in liquid CS_2 by combining X-ray and neutron diffraction results. 353478
Ortykov, A.
Electron emission from metal-film systems under the atomic particle bombardment. (INIS-mf – 3996) 364099
Orudzhev, N.M.
Magnetic susceptibility of (SiTe)sub(1-x) – (A^3Te)sub(x). 370015
Orupe, A.V.
Analytical reactions of NO_3^-, VO_3^-, AsO_4^{3-}, MoO_4^{2-} ions with silicon. (INIS-mf – 4188) 375227
Orville-Thomas, W.J.
Vibrational spectroscopy – modern trends. 372984
Orwig, L.E.
The high energy x-ray spectrum of the Crab Nebula observed from OSO 8. (N – 77 – 18987) 351000

The high-energy celestial X-ray instrument on board OSO-8. 374307
OSO-8 observations of Cygnus XR-1. 369062
Study of the cosmic sources of hard x-rays. (CONF-7510169 –) 364307
Oryu, Shinsho
An analytic solution of the three-body Amado-Lovelace equation at positive energies. 359431
Convergence property of the generalized separable expansion of the two-body transition matrix and the UPA model. 359432
Orzechowski, T.
Charge measuring unit of the pulsed electron beam in the Van de Graaff accelerator. 355206
High energy negative deuterium beams using double charge-exchange or surface production. (UCRL – 80406) 377434
A system for pulse Hall effect measurements. 374382
Orzechowski, T.J.
Negative beam generation, transport, and acceleration. (UCRL – 79728) 371990
Sixty keV D^- beams using double charge-exchange system. (UCRL – 80102) 374064
Os'kin, V.S.
Development of radiation-chemical technology for production of rubber products using electron accelerators. (INIS-mf – 4194) 376286
Osada, Ya.E.
Cold-rolled tube production on KhPT-250 mills. 375782
Probability technigue for welded pipe quality estimation. 373150
Osadchij, V.Ya.
Determination of power parameters of the drawing process in the ultrasonic field. 357231
Osanai, M.
Radiation streaming of N.S. MUTSU and its repair plan. 368261
Osanai, Y.
Sector experiment of theta-pinch plasma in modified bumpy torus. (INIS-mf – 3963) 371977
Osanov, D.P.
Effect of the depth-distribution of basal cells on their survival after the skin irradiation with β-particles of varying energy. 360270
Osawa, M.
Trace element abundances in stone artifacts and related materials from Japan by neutron activation analysis. 372912
Osawa, Yasuo
Device for monitoring radioactivity of cooling water in a nuclear reactor. 350326
Osborn, R.K.
An elementary analysis of fusion implosions. 371978
Osborn, W.
Objective-prism radial velocities at high latitudes. 369206
Osborne, A.M.
A 480-channel lead glass Cherenkov detector. 355498
Osborne, J.L.
Width of the lowest T = 2 state in ^{28}Si. (RLO/1388 – 362) 372693
Osborne, M.F.
Activity release and transport in a core meltdown accident. (AED-Conf – 76-699-009) 360410
Experiments on the determination and limitation of fission and activation product release during core meltdown. (KFK – 2435) 357726
Osborne, R.N.
Device for locating defective fuel. (US patent document 4,034,599/A/) 363406
Method of localizing defect nuclear fuel elements in water-moderated reactors and device for applying the method. (German (F.R.) patent document 2626805/A/) 355373
Osborne, R.V.
Hazards and protection from tritium produced in an experimental reactor loop. 370598
Oscarson, E.E.
Detailed accident analysis for the high level waste preparation phase of the commercial nuclear waste vitrification project. (BNWL – 2207) 379113
Osejko, N.I.
Effect of carbon dioxide injection on the scale formation process. 349969
Oselka, M.
Non-linear behavior of gas targets for isotope production. 357864
Osepashvili, T.A.
Specific features of shaping high-intense microsecond electron beams in a gun with a plasma anod. 376369
Osered'ko, A.S.
Investigation into durability of EhP-199 alloy and its weldments in ammonia dissociation products. 375729
Osetek, D.
Multiple HEPA filter test methods, January – December 1976. (LA – 6852-PR) 357841
Oshar, Zh.P.
Experimental study of extensive air showers with particle number from 10^5 to 10^6. 362622
Oshcherin, B.N.
Surface energy of crystals. 359671
Oshe, A.I.
Investigation of nature of slowed-down of cadmium anodic oxidation in concentrated solutions of potassium hydroxide. 349280
Oshel, E.R.
Multiple scattering in reflection nebulae. IV. The multiplicity of scattering. 364432
Osher, J.E.
Role of space charge in beam transport. (UCRL – 79311) 363913
Rotating target neutron generators. 355173
Streaming-plasma measurements in the Baseball II-T mirror experiment. (UCRL – 52279) 356104
Osheroff, D.D.
Textural singularities in superfluid ^3He-B. 372326
Osherov, V.I.
Two-channel dissociation $H_2 + H = H + H + H$. 377092
Oshima, C.
Thermionic work function of LaB_6 single crystals and their surfaces. 351839
Oshima, H.
Study of 2-3 and 2-4 magnesiovanadate spinel solid solutions. 357373
Oshima, Hisashi
Thermoelectric and thermomagnetic effects in slightly radiation-damaged graphite. 353449
Oshima, Motoo
Monitoring of ^{131}I in exhalation of patients administered ^{131}I for therapy. 367592
Oshima, Shin-ichi
XUV spectrum observation of earth corona. 377636
Oshima, Yoshikuni
Development of balanced downflow type surface condensers, (2). 350147
Hydrogen uptake of titanium tubes in surface condenser and its prevention. 355322
Oshio, Minoru
Counting rate of spherical ion exchange resin containing ^{32}P homogeneously. 349939
Oshiumi, Yoshihiko
A functional test of the pancreas with ^{131}I-5-iodomethyl-5-methyl-2, 4-oxazolidinedione (^{131}I-DMO). 354896
Oshkaderov, S.P.
Improvement of steel tensile strength by rapid electroheating. 378631
Oshmera, B.
Experimental study on neutron field properties in a linear section of a sodium pipeline. (FEI – 596) 355255
Osiceanu, P.
Investigation of the accuracy that can be obtained in the thermal neutron flux determination. 356532
Proton scattering on ^{238}U and the probable isobaric analogue resonances. 356579
Osif, T.L.
Reactions of the singlet D oxygen atom and the hydroxyl radical with methanol, oxidation of the formyl radical, and the photochemical oxidation of formaldehyde. 372989
Osiko, V.V.
Experimental observation of "Excitation trapping" in a system of strongly interacting particles. 355945
Investigation of the nature of radiationless decay relaxation in condensed media with a high concentration of activator. 348860
Radiationless losses from sup(4)Fsub(3/2) metastable state of Nd^{3+} in lanthanum pentaphosphate crystals. (INIS-mf – 3955) 362166
Study of the effect of anomalously weak quenching of Nd^{3+} ion luminescence in Lasub(1-x) Ndsub(x) P_5O_{14} crystals. 374600
X-ray luminescence of TR^{3+} in $ZrO_2 - Y_2O_3$ crystals. 365231
Osina, E.L.
Dependence between vibration amplitudes and internuclear distances. 349262
Osipkov, L.P.
Velocity dispersion and the ω Cen globular cluster mass. 374939
Osipov, E.P.
The energy-momentum spectrum in the $P(phi)_2$ quantum field theory. 366272
The energy-momentum spectrum in the $Yukawa_2$ quantum field theory. 374564
Osipov, K.A.
Phase composition of materials formed during vacuum heating of mixtures of the Al_2O_3-Ta system. 349569
Phase composition of the products from reaction of molten Al_2O_3 with solid Ta in vacuum. 369684
Temperature calculation of the superconducting transition of chemical elements and compositions using the Debye temperature and ionization potentials. 357374
Osipov, S.S.
Application of ultrasonic impedance method for investigating coolant properties. (INIS-mf – 3914) 349578
Osipov, S.V.
Effect of α-irradiation on the properties of the phosphate cation exchange resin KFP. 354450
Osipov, V.B.
Optimization of RS-tape apparatus radiation protection. 349941
Osipov, V.I.
Effect of radiation on the tertiary structure of proteins. 349705
Osipova, I.M.
Automatic regulator for a controlled reactor. (Soviet patent document 413593/A/) 360851
Osipova, I.N.
The effect of storage and culinary treatment of irradiated potato on the cytogenetic activity of extracts obtained therefrom. 354912
Osipova, L.P.
On thermal stability of radiation-induced optical absorptiption in quarts. 348866
Osipova, N.V.
Corrosion of armco iron during cathodic polarization in strongly acidic chloride solutions. 367187

Osipova, T.A.
$Tb(ClO_4)_3$-$CS(NH_2)_2$-H_2O system at 25 deg C. 351499
Oskotskij, V.S.
Electric properties of SmS metallic modification. 350731
Osmachkin, V.S.
Comparison of experimental data of conditions of heat exchange crisis in models of fuel assemblies of wwer type reactors with calculation results. (IAE – 2558) 358230
Osman, A.
Short-range correlations and pseudopotentials. V. 359434
Short-range correlations in one and two-nucleon transfer reactions with Tabakin potential. 356639
Short-range correlations with pseudopotentials. 362016, 369442
Short-range correlations with pseudopotentials. VI. 359433
Osmanov, Sh.O.
Evaluation of ΔH^0_{298} and S^0_{298} of scandium, ytrrium and lanthanide orthophosphates. 351577
Osmer, P.S.
Space distribution of high-luminosity quasars with $1.9 < z < 3.25$. 364390
Osmonbetov, K.O.
Efficiency of introduction of nuclear physical methods of testing. 360158
Osmond, J.K.
Uranium isotopes in groundwater: their use in prospecting for sandstone-type uranium deposits. 373396
Uranium-isotope variations in groundwaters of the Floridan aquifer and boulder zone of South Florida. 373434
Osnes, E.
Control of repulsive core regularization. 351283
Folded-diagram calculation of effective charges. 356620
Introductory guide to effective operators in nuclei. 372607
Osoblivtsev, V.N.
Preparation of cesium sulfatozirconates. 351510
Osorio, A.
Scintigraphy of the cerebrospinal fluid. 354967
Ososkov, G.A.
Increase in the efficiency of beam track filtration with the FILTR program. (JINR – 10-9068) 366217
Translator from the COPLAN language into the "Electronics-100" computer code. (JINR – 11-9766) 380149
Ost, R.
Angular correlations from ^{6}Li break-up near the Coulomb barrier of ^{118}Sn and ^{208}Pb. 354259
Ostach, E.M.
Effect of rhenium injection methods on emission characteristics of metalloceramic alloys. 351840
Ostanevich, Yu.M.
IBR-2-the periodically pulsed reactor for neutron investigations. (INIS-mf – 3946) 356682
A spectrometer for the investigation of small angle neutron scattering by the time-of-flight method (theory). (RL – 77-137-B) 366049
Ostapchuk, S.V.
Pilot-industrial production of radiation-modified thermal-shrinkaged "Termoplen" film. (INIS-mf – 4194) 376283
Using accelerated electrons for modification of polyethylene film surfaces by the radiation grafting technique. (INIS-mf – 4194) 376288
Ostapenko, A.A.
Pulse generator with a linearly varying amplitude for the determination of the nonlinearity of the Ge(Li) spectrometer characteristic. 358435
Study of the sub(27)Al(α, t)sup(28)Si reaction on 27,2 MeV α-particles. 377922
Ostashev, V.E.
Limiting possibilities of a pulse MHD converter re – lative to electric power generation on a resistive load. 372315
Osteaux, M.
Correlation between liver scintigraphy and computed tomography in the detection of liver metastases. (INIS-mf – 4010) 357685
Correlation between scintigraphy, echography and computed tomography in the diagnosis of pancreatic diseases. (INIS-mf – 4010) 357686
Ostenda, M.
Ultrastructure of rat cerebral vessels 4 months after gamma irradiation. 373528
Ostensen, R.W.
Design of LMFBR safety test reactors. (SAND – 77-1019C) 368251
Effect of thermal stress on oxide crusts. (SAND – 77-1017C) 367784
Fission-gas bubble modeling for LMFBR accidents. (SAND – 77-1018C) 365590
Role of fission gas in development of the transition phase. 352272
Ostenson, G.
Fabrication of superconducting wire composites by directional solidification. Yearend report on project. (IS – 4280) 378575
Oster, P.
Influence of D-thyroxine on plasma thyroid hormone levels and TSH secretion. 352156
Oster, Z.H.
Thallium-201 distribution in the thyroid: relationship to thyroidal trapping and blood flow. (INIS-mf – 4052) 373619
Osterbrock, D.E.
Physical conditions in radio galaxies and quasars. 366736
Osterburg, G.
A fence with several safety wires with alarm equipment. (German (F.R.) patent document 2542544/A/) 367785
Osterloh, R.
Coatings to be hardened by radiations. (German (F.R.) patent document 2452322/A/) 354426
Research and development in the field of radiation curable coating systems. (BMFT-FB-K – 77-02) 354418
Ostertag, B.
Effects of fractionated whole body X-irradiation on the CNS of fetal mouse. Topographic and quantitative micromorphologic characterisation. 354793
Ostertag, C.
Liquor dynamics investigations in cases of communicating hydrocephalus by means of autoradiography and computerized tomography. (AED-Conf – 77-395-005) 376195
Ostlie, K.
Morphometry, benthos, and sedimentation rates of a floodplain lake in Pool 9 of the Upper Mississippi River. 362596
Ostlund, H.G.
Source function for tritium transport models in the Pacific. 373436
Ostojic, B.
Determination of some trace elements in some human concretions. 369548
Ostrin, G.Ya.
Short-time creep of the 38KhN3MFA steel and VT14 the alloy at high temperatures. 370023
Ostroumov, Eh.A.
Application of N-cynnamoylphenylhydroxylamine for separation and determination of metals. (INIS-mf – 4192) 375321
Ostroumov, G.V.
Cesium determination in powder samples by X-ray fluorescence method. 367020
Ostroumov, V.I.
Characteristics of peripheral and center collisions of nuclei at energies of 0.1-1 GeV/nucleon . 362041
Formation of disorder regions in silicon affected by high-energy gamma-quanta. 348795
Ostroumov, Yu.N.
Poloidal field shaping in the "Tokamak-20" facility. (INIS-mf – 3954) 361502
Ostrovksya, G.V.
Application of resonance interferometry and holography for plasma diagnostics. 348906
Ostrovskaya, I.K.
Study of cadmium selenide formation in alkali solutions containing selenurea. 357046
Ostrovskaya, M.S.
Complexing in zirconium-xylenol orange-organic base system. Extraction-photometric determination of zirconium. 364911
Synergistic effects during dissolution of molybdenum and tungsten 8-hydroxyquinolinates. 351458
Ostrovskij, Eh.Ya.
Automation system of the processing of aerial gamma spectrometry surveys "Aehropoisk-2". 376008
Purpose function of the acrial gamma spectrometry method (AGSM) in geological investigation system. 357490
Ostrovskij, V.N.
Landau – zener transtitions between autoionization states. (INIS-mf – 3915) 348668
Quasi-energy solutions for a potential with a variable depth. (INIS-mf – 3915) 348692
Ostrovskij, Yu.I.
Application of resonance interferometry and holography for plasma diagnostics. 348906
Ostrowska, J.
Effect of gamma radiation on ion exchange resins. Pt. 6. The kinetics and mechanism radiation damage of functional groups in the anion exchange resin Imac S5-40. 357162
Effect of gamma radiation on ion-exchange resins. Pt. 7. The kinetics of sulphonic groups decomposition in the cation exchange resin Imac C-12. 359791
Ostrowski, K.
Distribution of absorbed dose of ionizing radiation in bone in simulated therapeutic irradiation measured by means of electron spin resonance technique. 379350
Osuji, G.O.
Determination of base ratios on sub-microgram quantities of RNA. 362779
A rapid method for determining nucleotide sequences of ribo-oligonucleotides using p-hydrazinobenzene[^{35}S]sulphonic acid. 365471
Oswald, E.
Improvement of the diagnostic value of radionuclidic angiocardiography in babies by using rapid sequential scintigraphy and a new image display system ('Digiphot'). (INIS-mf – 4010) 362824
Oswald, H.R.
Effect of radiation damage on the erosion of graphite by atomic hydrogen. 370234
Oswalt, J.A.
Bibliography: Sandia Laboratories hybrid microcircuits and related thin film technology (revised). (SAND – 75-0485) 374022
Oszuszky, F.
Public acceptance of nuclear energy in Austria. 371242
Ota, J.
A combined ^{3}He-^{4}He dilution refrigerator. 376323
Otaduy, P.
Health physics aspects of fusion power. (ORNL – 5171) 367565
Otaka, Hisashi
Method of processing radioactive vent gases. 380022
Method of tentatively disposing radioactive solid waste. 368380
Otani, Haruyoshi
Preventive device against leakage of radiation. 379330

Otani, Ichiro
Radioactive isotope storage box and method of manufacture of the same. 350028
Otani, Seiji
Cause of defect in the end plug welding of the JOYO fuel pin. (PNCT – 831-76-01) 379799
Otchik, I.M.
Experimental observation of the asymmetry of polarized neutron critical scattering from Fe above Tsub(c). 377258
Otero Gandara de la, J.L.
Recovery of uranium from phosphoric acid. 365099
Otgonsuren, O.
Heavy charged particle detector. (Soviet patent document 438955/A/) 355522
Long-term averaged abundances of VVH cosmic ray nuclei from studies of olivines from Marjalahti meteorite. 374946
Otomo, T.
Future trends of light-water reactor fuel-cycle costs. 366168
Otopal, P.
Experimental study on neutron field properties in a linear section of a sodium pipeline. (FEI – 596) 355255
Otozai, Kiyoteru
Ion exchange in HCl, NH_2OH x HCl and N_2H_4 x 2HCl solutions. 364922
Otroshchenko, G.A.
Energy dependence of fissile isomer yield from the $^{241}Am + n$ reaction. (INIS-mf – 3896) 356918
Otstavnov, Yu.D.
Measurement of ^{236}U and ^{239}U compound nuclei lifetime dependence on excitation energy. (INIS-mf – 3896) 356917
Otsuji, Niro
Apparatus for pouring emergency cooling water. 368124
Control instruments for a reactor. 360858
Device for detecting neutrons. 350181
Device for guiding steam at an emergency in a reactor. 360902
Device for holding an instrumented pipe or the like in a reactor. 360821
Fuel assembly. 360901
Reactor control rod. 368073
Otsuka, Keizo
Monitoring of small particles in gas-cooled electrical machine by ion counting method. 350142
Otsuka, Masatsugu
Basic and clinical studies on bone deposition of sup(99m)Tc-labeled methylene diphosphonate. 354935
Otsuka, Masuhiko
Environmental aspects of nuclear power. 367786
Otsuka, Michio
Ion accelerator. 367980
Otsuki, Akira
Measurement of stable isotope ratio of organic carbon in water samples. 359549
Ott, D.T.
Reusable frame greenhouse that saves money and erection time and reduces waste generation. 371186
Ott, E.
Cross-field injection, propagation, and energy deposition of intense ion beams with application to tokamak plasma heating. 348949
Investigations on the mechanism of DNA excision repair in tissue culture cells. (SGAE – 2684) 354753
Lower hybrid wave propagation in inhomogeneous plasmas. (LPS – 224) 358996
Ott, H.R.
Concentration and pressure dependence of the superconducting transition temperature in Vsub(3-x)Msub(x)Ga (M = Cr,Mn,Fe and Co). 377686
Crystal field effect in the thermal expansion of cubic rare earth compounds. 374758
Induced Jahn-Teller transition in $PrCu_2$. 378703
Superconduction in La-pnictides. 377690
Superconductivity of lanthanum pnictides. 353727
Ott, K.O.
Assessment of transport effects in LMFBR safety neutronics. (CONF-761001 – P2) 365528
Evaluation of the role of international nuclear engineering development and planning in long term energy strategies. (ANL – 77-XX-62) 363697
Impact of delays in plutonium use on the stationary growth rate of fast breeder reactor fuel. (COO/4116 – 1) 365967
Investigation of accuracy and computation time of a hierarchy of growth rate definitions. (COO – 4116-2) 365984
Investigation of the growth rate for joint fast breeder reactor and light water reactor operation. (COO – 4116-3) 365975
Neutronic coupling of feedback effects. (CONF-761001 – P2) 365574
Nuclear reactor safety education at Purdue. 379304
Probabilistic fast reactor accident analysis. 373850
Transitory fuel growth rates for fast breeder reactors. 360987
Treatment of incoherencies and uncertainties in LMFBR LOF accident analysis with PARSEC. (CONF-761001 – P3) 365525
Ott, L.J.
ORINC: a one-dimensional implicit approach to the inverse heat conduction problem. (ORNL/NUREG – 23) 373851
Ott, O.
Eye protection in electron beam therapy. 379323
42 MeV betatron operation at lower bremsstrahlung energies. 379511
Otten, E.
Nuclear shape staggering in very neutron-deficient Hg isotopes detected by laser spectroscopy. 351385
Otten, E.W.
Nuclear spins of ^{76}Rb and ^{119}Cs by β radiation detected optical pumping. 375174
Ottenberg, E.V.
Some optical properties of mono- and polycrystals of molybdenum and tungsten in ultraviolet spectrum range. 357324
Ottenhof, F.
Properties of odd Ag isotopes. (INIS-mf – 4267) 378015
Ottenhof, F.M.
Decay studies of some nuclei around Z = 50: sup(106 m)Ag, sup(103, 119, 121)Cd. (INIS-mf – 3946) 362070
Ottensmeyer, F.P.
Iodinated E. coli 70S ribosomes as a radiocolloid of uniform particle size for lymph-node and liver scanning. 373644
Otter, G.
Spin and lifetime of the Ω^- hyperon. 372517
Spin-parity analysis of the diffractively produced low-mass Nπ systems in the reaction $\pi^-p \rightarrow \pi^-(N\pi)^+$ at 16 GeV/c. 369382
Strange particle production in three- and four-body final states of 16 GeV/c π^+p reactions. 353944
Study of the reactions $K^-p \rightarrow K^+K^-\Lambda$ and $Kp \rightarrow panti\ p\Lambda$, at 10 and 16 GeV/c. 353978
Otterberg, J.E.
Neutron dose monitoring using a multiple lithium fluoride TLD badge. 355039
Otterloo, R.W. van
Risk analysis of the fuel cycle in the Netherlands. 370599
Otterlund, I.
Applications of SSNTD's in high energy physics. 368311
Nuclear emulsion experiments on multiparticle production at high energies. (LUIP – 7711) 375194
On the correlation between fast target protons and the number of hadron-nuclean collisions in high energy hadron-nucleus reactions. (LUIP – 7710) 362034
A search for collective pion production in 2 GeV/Nucleon heavy ion reactions. (LUIP – 7708) 354711
Transverse-momentum distributions of multiply charged fragments in ^{16}O emulsion-nucleus interactions at 2.0 GeV/nucleon. 354214
Ottinger, J.
Technique for measuring radioactivity of substances labelled with ^{14}C isotope. (Soviet patent document 492099/A/) 355556
Ottinger, P.F.
Vlasov equilibria for a warm finite radius rotating relativistic electron beam in a magnetized plasma. 350915
Ottmar, H.
In-process control of ^{235}U enrichment in an LWR fuel fabrication plant. 376441
Otto, G.
Investigation of lattice deformation in proton bombarded GaP and $ZnSiP_2$ by means of the proton-induced Kossel effect. 374712
Otto, H.
Noise analysis system for early detection of malfunctions in pressurized water reactor nuclear power plants. 350168
Otto, K.W.
Natural convection in the AVR reactor – recalculation of a test on blower failure. 370983
Safety analysis of the THTR-300-MW(e) prototype reactor and future HTRs under extreme accident conditions. 370968
Otto, M.
Catalytic determination of metals after solvent extraction. 372990
Otto, R.
sup(133m)Xe for labelling gaseous phases in technical tracer experiments. 373984
Otto, R.J.
Large collision residues and nuclear fission in the interaction of 25.2-GeV ^{12}C with uranium. 351386
Possible mechanisms for ^{256}Fm and ^{256}Md production in the compound system $^{264}104$. (LBL – 5075) 356891
Search for superheavy elements in the bombardment of ^{248}Cm with ^{48}Ca. 351372
Otto, W.
Further developments with glass detectors for heavy ions and fission fragments. 368287
Otts, J.V.
Special closures for steel drum shipping containers. 350005
Otubo, J.
Increase in the corrosion resistance through precipitation in zircalloy – 4. 351793
Otway, H.J.
Cost effectiveness of remote nuclear reactor siting. 362985
Review of research on identification of factors influencing social response to technological risks. 371330
Risk assessment and the social response to nuclear power. 355001
Risk estimation, evaluation, and management. 352324
Ou, T.C.
On-line display aids for the automated measuring of bubble chamber film at Fermilab energies. 352816
Oubre, P.
Takeover of operations from construction: Rancho Seco. 358231
Ouchi, Koki
Method of processing wastes. 368383
Ouchi, Masaru
Cause of defect in the end plug welding of the JOYO fuel pin. (PNCT – 831-76-01) 379799
Ouchi, Misao
Study on porosity of nuclear graphite by activation analysis and mass-spectrometry. (JAERI-M – 7223) 378781
Ouchi, S.
Research and development for the VHTR by high-temperature helium gas loops. 379698

Ouchi, Yoshifusa
X-rays fluorescence analysis of ATR fuel cladding tube. (PNCT – 831-76-01) 378132
Ouldridge, M.
Does Feynman scaling remain valid at ultra-high energies. 374941
Ouseph, P.J.
Moessbauer study of iron in mica. 371656
Outred, M.
Microwave radiation leakage from microwave-excited light sources. 376218
Ouweltjes, W.
Standard enthalpies of formation of uranium compounds. 357092
Ovakimyan, S.S.
The investigation of the autostabilization of the energy spectrum edge of gamma-quantum beams on electron synchrotrons. (EFI – 204(50)-76) 379503
Ovanesyan, N.S.
Supertransferred hyperfine interaction in magnetic insulators. II. 356026
Ovchar, L.I.
Extraction-luminescent determination of microquantities of europium as different-ligand complexes with 1-naphthionic acid and 1,10-phenanthroline. (INIS-mf – 4192) 375316
Ovcharenko, L.I.
Critical angles for the magnetic field cusped geometry. (KFTI – 75-19) 377467
Ovcharenko, V.I.
Electric properties of even-even nuclei. (KFTI – 74-27) 354098
On the form of light nuclei in the translational invariant shell model. (ITF – 76-148 – R) 377925
Ovcharenko, V.P.
Mechanism of the formation of paramagnetic centres in poteins under UV-radiation. 349700
Study of the accumulation of paramagnetic centres in protein solutions under UV-radiation. 349701
Ovchinnikov, A.A.
On possible mechanism of photoradiation effect. 359802
Ovchinnikov, F.Ya.
Power units with WWER-440 type reactors. 368152
Some improvements of the core and the fuel cycle of WWER type reactors. 368153
Some technical aspects of accounting for and control of nuclear material at nuclear fuel cycle facilities in the USSR. 371289
Ten years' operation experience of the Novovoronezh nuclear power plant. 368141
Ovchinnikov, I.V.
Electron spin resonance of vanadyl acetylacetonate in oriented polyvinyl chloride. 362202
Ovchinnikov, O.N.
Magnetic moments of Tb and Ho compound states. (INIS-mf – 3897) 356681
Neutron resonance spins of ^{159}Tb from experiments with polarized neutrons and polarized nuclei. (INIS-mf – 3897) 354132
Spin dependence of the total neutron cross section of ^{169}Tm and ^{141}Pr in the neutron energy range up to 100 keV. (JINR-R – 3-10835) 377954
Ovchinnikov, S.Yu.
Crystallization of solid solutions of InP-GaP system from stoichiometric melts. 364961
Ovchinnikov, V.V.
Use of diethyldithiophosphoric acid for extraction-polarographic determination of some metals. 375232
Ovchinnikov, Y.N.
Penetration of an electrical field into a superconductor. 351127
Ovchinnikov, Yu.N.
Space dependence of the order parameter in clean type II superconductors at low temperatures. 351128
Ovchinnikova, G.V.
Is the rate of radioactive decay constant. 357463
Ovchinnikova, M.Ya.
Integral representation of classical S-matrix. (INIS-mf – 3915) 348720
Tunnel thresold effects in the two-channel, problem with quasi-intersection. (INIS-mf – 3915) 348737
Ovchinnikova, T.M.
Anodic processes in an EDTA electrolyte for cadmium plating. 349244
Ovchinninkov, A.K.
Monitor of 14 Mev neutron flux for well pulsed neutron generator. 354660
Ovchinsky, A.S.
The effect of statistical distribution of the reinforcing fiber strength on the bearing ability of a composite material with a metallic plastic matrix. 365160
Ovdienko, V.D.
Scattering of 2.9 MeV neutrons by silicon nuclei. (INIS-mf – 3897) 356567
Ovechkin, A.E.
Study of the vacuum-UV spectrum of a supersonic krypton jet excited by an electron beam. 353377
Ovechkin, A.V.
Fast nuclear reactor. (US patent document 4,048,011/A/) 374254
Ovechkina, V.N.
Preparation and study of properties of SmS base alloys. 378258
Overbosch, E.G.
How ionic is Na at a partially covered W(110) surface. 368863
Ionization at metal surfaces. 361465
Overend, J.
Predictions of infrared intensities for some halogen pentafluoride molecules. 369651
Overhoff, T.
Investigations of the possibility to use organic gadolinium compounds for HTR shutdown. 370984
Recent working results of the programme 'diffusion data and fission product release'. (Juel – 1421) 355413
Overholt, W.H.
Asia's nuclear future. 374030
Overley, J.C.
^{9}Be + ^{12}C, ^{9}Be + ^{16}O, ^{9}Be + ^{19}F reactions at energies below the barrier. 359528
Isospin-symmetry-hindered branch of ^{42}Sc β-decay. 372767
Overman, L.A.
Analysis of cadmium in high alpha solutions. (DPSPU – 77-30-7) 362124
Overskei, D.
High-density discharges in the Alcator tokamak. 368947
Ovezov, K.
Polarization properties of $CdSnP_2$ diodes. 374750
Ovitt, T.W.
Improved instrumentation and techniques for non-invasive detection, characterization and quantification of atherosclerosis for research and diagnostic purposes. Annual report, 23 Jun 1975 – 22 Mar 1976. (PB – 268227) 365472
Ovsyanikov, V.A.
Investigation of dense plasma heating in linear theta-pinch with strong fast-rising magnetic field. (INIS-mf – 3963) 371770
Ovsyankin, V.V.
Spectral-kinetic investigations of luminescence of bivalent samarium in MeF_2(Me = Ca, Sr, Be) crystals. (INIS-mf – 3955) 362165
Ovsyannikov, A.I.
Purification of liquid radioactive wastes by means of sorbents on bitumens base. 350395
Ovsyannikov, N.N.
Pecularities of the introduction of technetium isotopes into protein molecules using human serum albumin as an example. 373035
Ovsyannikov, S.B.
Vacuum ion accelerating tube for a well-type neutron generator with 10^{10}n/s. 349616
Ovsyannikov, V.A.
Heating a dense theta-pinch plasma with strong fast-rising magnetic fields. 348894
Ovsyannikov, V.P.
"Krion-2" cryogenic electron-beam ion source. (JINR-R – 7-9799) 363208
Production of nitrogen, oxygen, neon, and argon nuclei in the KRION-2 electron-beam ion source. (UCRL-Trans – 1540) 377002
Ovsyannikova, N.N.
Effect of neutral salts on basicity of molten KCl. (INIS-mf – 4189) 375553
Ovsyannikova, N.V.
Study of thermal decomposition of $EuCl_3x6H_2O$ by high-temperature infrared spectroscopy. (INIS-mf – 4187) 375414
Owais, M.
Excitation of neutron-hole states in ^{207}Pb by inelastic scattering of 61 MeV protons. 356873
Owczarczyk, A.
Intermediate products in the radiolysis of solid cis-pentene-2. 365071
Investigations of radiation changes of some tablet mass ingredients. (INR – 1583/27/C/B) 376174
Owechkin, A.W.
Nuclear reactor control rod. (German (F.R.) patent document 2449930/A/) 350169
Owen, C.
Injection methods in the Fermilab booster. 363197
Owen, C.S.
Application of a superconducting susceptometer to biological samples. 367924
Automatic operation of a superconducting magnetic susceptibility instrument for biological samples. 367923
Owen, D.A.
Anomalous contributions to the positronium hyperfine splitting and the radiation gauge. 350666
Owen, D.E.
Axial gas flow in irradiated PWR fuel rods. (TREE-NUREG – 1158) 365883
Owen, D.R.J.
Automated design optimization to minimize shearing stress in axisymmetric pressure vessels. 358072
Owen, F.N.
Absorption lines in the optical spectrum of quasar A00827 + 24. 353715
Owen, J.R.
General anaesthesia for high-dose total body irradiation. 367542
Owen, L.W.
The dosimetry of ^{241}Pu reconsidered. 355044
Owen, M.
The design, development and commissioning of the AGR insulation. 352682
Owen, T.C.
Voyager imaging experiment. 374966
Owen, W.H.
Magic answer. 363698
Owens, A.J.
Cosmic rays in a dynamical halo. I. Age and matter traversal distributions and anisotropy for nuclei. 351062
Cosmic rays in a dynamical halo. II. Electrons. 351063
Fluctuations of approximatelly 10^{14} eV cosmic rays. (KFKI – 77-51) 356224

Owens, C.M.
Development of A 9 Cr steel with improved strength and toughness. (CONF-770545 – 2) 359898
Owens, J.F.
Regge cuts and the spin dependence of inclusive Λ production. 372467
Owens, J.G.
A study of unscheduled DNA synthesis induced by x-rays in the germ cells of male mice. 373542
Owens, J.L.
Microcomputers and computer networks. (UCRL – 52000-76-8) 358599
Owens, R.O.
The p-shell nucleon momentum distribution in ^{12}C from the (e, e'p) and (γ, p) reactions. 372609
Owren, H.M.
Update on the development of 120-keV multi-megawatt neutral beam source. (LBL – 5900) 365745
Owsiak, T.
A self-flushing impulse injector for radiotracer measurements of the flow of hydromixtures in closed conduits. 355114
Owunwanne, A.
Charge and nature of technetium species produced in the reduction of pertechnetate by stannous ion. 373028
Owyoung, A.
Stimulated Raman spectroscopy using low-power cw lasers. 371418
Oxengendler, B.L.
Subthreshold defect production in silicon. 370249
Oxoby, G.
"ARBOLA" SLAC branch driver for PDP-11. (SLAC-TN – 76-3) 379928
Oya, Hiroshi
Correlation between radiowave emission in decameter wave main source and solar wind. 359143
Plasma measurement and plasma wave excitation experiment on K-9M-49 rocket. 377640
Oya, Shingo
Environmental tests of electric cables for nuclear power plants. 374161
Oyama, A.
Status and programme of fast breeder reactor development in Japan. 365988
Oyama, Hideki
A radioimmunoassay for human ACTH. 354949
Radioimmunoassay for steroid hormones, 2. 349864
Oyama, K.
Local characteristics of the electron temperature profile. 354707
Oyama, Kazuyuki
Hepatic accumulation of sup(99m)Tc-Sn-diphosphonate. 379187
Normal distribution of ^{111}In chloride on scintigram. 349869
Oyama, Koh-ichiro
Electron temperature profile over the south atlantic anomaly. 354708
Oyama, Noboru
Potentiometric and polarographic studies on complex formation of cadmium(II) ion with ethylenediaminemonoacetic acid. 359672
Oyanagi, Y.
Lower bound on the average angular momentum for a two body system. 363825
Radiative transitions of new particles and the puzzle of cc-bar pseudoscalar mesons. 359222
The sign of the phi-ω mixing and the origin of violation of the Okubo-Zweig-Iizuka rule. 353757
Oyen, L.C.
Radioactive waste management for a BWR. 357805
Oyinlola, A.K.
Novel modelling technique for hot forming of metals. (IS-M – 105) 362357
Oyinloye, J.O.
Solar cycle variation of ionospheric E-region horizontal drifts at Ibadan. 373468
Oywinowski, S.
A study of πsup(+), πsup(-) and proton production in pp interactions at 69 GeV/c. 361867
Ozaki, K.
Decay widths of vector mesons in a relativistic quark model. 364536
Ozaki, Kazuhiko
On the parity-violating vector meson-pseudoscalar meson interaction in a relativistic quark model. 353884
Ozaki, Masanobu
The absorption, distribution, metabolism and elimination of β-(p-chlorophenyl)-GABA (Baclofen), 4. 379207
Ozaki, N.
Cost analyses of uranium enrichment by laser isotope separation process. 352339
Optimum operating conditions for a laser uranium enrichment plant. 352340
Ozaki, Norihiko
Device for separating uranium isotopes. 367856
Method of separating uranium isotopes. 360562
Ozaki, Osamu
Apparatus for separation of mixture gas. 368381
Ozaki, Yoshiro
Development and installation of 500kV oil-filled cable. 368126
Ozarski, R.
Shiva optical diagnostics. (UCRL – 79776) 377521
Ozarzewska, E.
Autoradiographic studies on incorporation of ^{3}H methionine into the brain. 365469
Ozawa, B.
Electrical conductivity of mixed-cation $Ag_2O – Tl_2O – B_2O_3$ glasses. 357379
Ozawa, K.
Channeling study on the thermal motion of deuterium in palladium alloy. (INIS-mf – 3996) 364131
Double K-shell ionization of light elements by hydrogen and helium ion impact. 377049
Projectile Z dependence of double K-shell ionization in light elements by hydrogen- and helium-ion bombardment. 371499
Ozawa, L.
New method determining migration distance of electrons and holes in insulators. 360024
Ozawa, M.
The vapourized-metal cluster ion source and its application to film formation. 370683
Ozawa, Takejiro
The standard reference materials and the precision of analytical values in environmental analysis. 359560
Ozawa, Tamotsu
Protective functions of the experimental multi-purpose high-temperature gas-cooled reactor. (JAERI-M – 6893) 358095
Ozawa, Y.
Fuel particle and fission product release from LMFBR-core catcher. (CONF-761001 – P4) 362954
Ozawa, Yasuo
The percutaneous absorption of ^{35}S-acetyl-L-methionine and L-serine in rabbit. 373770
Ozawa, Yoshihiro
Tank of sodium cooled fast reactor. 350261
Ozenne, J.-B.
Translational spectroscopy of neutralization-reionization double-collision processes of Ar^+ ions at keV energies. 353229
Ozenne, J.B.
Experimental and computational study of rotation effects in molecular ion photodissociation. 377097
Ozerkov, Eh.L.
On the effect of emanation of uranium ores into the well upon gamma logging data. 365286
Ozernoj, L.M.
Model of the "atmosphere" around a massive black hole. 369061
Radiation scattering and scintillation of the galactic center as indicators of its nature. 374942
Star distribution in the vicinity of a massive black hole. 369060
Tidal disruption of stars and massive black hole evolution in the conditions of the galactic center. 374896
Ozerov, Y.
An acceleration evaluation of the performance of the Soviet-French wide-gap spark chamber for gamma-ray astronomy. 368266
Ozeryanaya, I.N.
Features of anodic behaviour of electronegative metals in molten carbonates. (INIS-mf – 4189) 375534
Interaction of steel, titanium and zirconium with melted chlorides containing copper and zinc. 349510
Ozhegov, L.N.
Accumulation of Sr^{90}-Y^{90} by the developing spawn and larvae of Coregonus lavaretus L. 376148
Ozhegov, P.I.
Determination of oxygen in complex-alloyed steels using method of reducing melting with pulse heating of sample. 356958
Ozherov, L.N.
Accumulation of Co^{60} in the developing spawn of Esox lacustris, Perca fluviatilis and Coregonus lavaretus. 349800
Ozhigov, L.S.
Radiation hardening of Ni, V, Fe and their alloys following high-energy electron irradiation. (KFTI – 75-35) 354631
Ozima, M.
Rare gas isotopic compositions in diamonds. 367154
Oziraner, S.N.
Development of methods of solidification and burial of radioactive wastes from the fuel cycle. 368405
Properties of phosphate and silicate glasses used for the solidification of radioactive waste. 358513
Ozisik, M.N.
On the inverse problem in transport theory. (IEA – 479) 350780
Ozkal, I.S.
Independent particle model relativistic correction factors for isotope shift. 364710
Ozkaynak, F.T.
A phenomenological correlation for post-CHF heat transfer. (PB – 269686) 365532
Ozmutlu, C.
Explanation of neutron time decay constant in a medium by means of neutron first collision probability. 372562
Ozsvath, I.
Spatially homogeneous Lichnerowicz universes. 366289
Ozyol, H.
Dependence of the gamma-ray linear attenuation coefficient on the amount of cement in concrete. 372569
P'yankov, A.P.
Changes in the arrangement of equipment for the ITEP secondary particle channels. Acceptable sizes of particle sources and estimations of tolerances for parameters of elements in the ITEP universal channels. (ITEF – 18) 376356
P'yanykh, N.L.
Automatic method of acid refining of thin-dispersed zircon. 375930
Paakkari, T.
Determination of the structure factors of a LiF powder sample by the energy dispersive x-ray diffraction. (HU-P – 125) 364140

Paalsson, B.
Radiative capture of fast neutrons by ^{89}Y and ^{140}Ce. 377970
Paans, A.M.J.
^{11}C-labelled DOPA for detection of cerebral dopaminergic structures. (INIS-mf – 4010) 357618
Comparison of ^{133}Xe and $^{13}N_2$ ventilation studies. (INIS-mf – 4010) 370409
A duel head Anger camera system for the imaging of positron emitting radionuclides. (INIS-mf – 4010) 358387
The form factor of the real part of the α-nucleus potential studied over a wide energy range. 362092
Rapid synthesis and purification of carbon-11 labelled DOPA: a potential agent for brain studies. 375655
Paap, H.J.
Behind casing water flow detection using continuous oxygen activation. (US patent document 4,032,780/A/) 365674
Behind casing water flow detection using pulsed neutron oxygen activation. (US patent document 4,035,640/A/) 365669
Behind casing water volume flow rate measurement using concentric gamma ray detectors. (US patent document 4,032,779/A/) 365670
Behind casing water volume flow rate measurement using gamma ray spectral degradation. (US patent document 4,032,778/A/) 365675
Paar, H.
A detector for high-energy neutrino interactions. 379899
Paar, H.P.
Is there a high-y anomaly in antineutrino interactions. 351222
Like-sign dimuon events produced in narrow-band neutrino and antineutrino beams. 356512
Measurement of the neutral to charged current cross section ratio in neutrino and antineutrino interactions. 361888
Observation of a neutrino event with four energetic muons. 372525
Observation of trimuon events produced in neutrino and antineutrino interactions. 356511
Study of inclusive neutral current interactions of neutrinos and antineutrinos. 369377
Paar, V.
Cluster-vibrational-field model for ^{95}Mo and levels populated in the decay of ^{95}Tc/sup m ,g/. 351391
High spin levels of sup(144)Nd excited in the (α,2n) reaction. 359457
The particle-cluster vibration and the particle-asymmetric rotor description of ^{193}Au. (ZfK – 336) 364830
Paatero, P.
Statistical analysis of exponential decay curves by use of Algol procedure SPLIT in computer program VIPUNEN. (HU-P – A-41) 364684
Pab, J.A.
Frequency dependence of microwave enhanced superconductivity in Al strips with and without local injection of electrons. 353740
Pablisek, E.
Numerical analysis of circular elastic-plastic plates under cycles of pressure and temperature. 374170
Pabst, D.
Method and device for control in processing liquids. (German Dem. Rep. patent document 118173/A/) 365672
Pabst, H.W.
Comparison of different methods for measurement of tubular clearance; PAH steady state method, whole-body measurements and compartment analysis of gamma camera mode renograms. (INIS-mf – 4010) 362803
Double-radioisotope renal clearance measurement with a partially shielded whole-body counter for the determination of renal filtration fraction; methods and clinical results. (INIS-mf – 4010) 362731
Investigations on biodegradation of human albumin microspheres. (INIS-mf – 4010) 362722
On the value of ECG-triggered scintigraphy of the heart's cavity. (INIS-mf – 4010) 362808
Pharmacokinetics of ^{14}C-labeled eye drops. (INIS-mf – 4010) 370436
Radioimmunological determination of testosterone levels and binding capacity for testosterone in serum of patients with carcinoma of the prostate. (INIS-mf – 4010) 370495
Pacak, P.
Destructive and non-destructive methods for controlling nuclear materials for safeguards purposes in Czechoslovakia. 371286
Pacak, V.
Collision-induced dissociation of H^+ by He at eV energies. Crossed-beam and trajectory studies. 377150
Kinematics of charge transfer: $Ar^+ + H_2$. 350629
Pacault, P.H.
Improvements to thermal plants for generating energy. 355307
Paccard, D.
Structures of the rare-earth-platinum compounds R_7Pt_3, R_2Pt, R_5Pt_3 and RPt. 369986
Y_3Ni_2: a new tetragonal phase with Ni-centred trigonal prisms. 357298
Pachała, S.
Fluctuations of the muon to electron ratio in extensive air showers. 356222
Pachauri, O.P.
Mixed-ligand derivatives of Th(4) – diethylentriaminepentaacetic acid chelate with iminodiacetic and nitrilotriacetic acids. 359754
Pacheco, D.
Fluorescence studies of the Er reversible Ho and Er reversible Tm energy transfer in erbium aluminium garnet. 371657
Pacheco, J.M.
Labelling of eggs of Ceratitis capitata (Wiedmann) through radioactive sperm (^{32}p). (CENA-BC – 034) 354899
Pacher, G.W.
Recent results in the lower-hybrid heating of the Wega device. (INIS-mf – 3963) 372085
Pacher, H.D.
Recent results in the lower-hybrid heating of the Wega device. (INIS-mf – 3963) 372085
Pacholczyk, A.G.
Synchrotron spectra. 372231
Pachuliya, N.V.
Simulators of microelement composition of standard rocks for instrumental neutron activation analysis. 349175
Paciesas, W.S.
Intensity and spectral variations of Cyg X-1 observed from balloons. (CONF-7510169 –) 364375
Pacifici, J.G.
Coating substances to be hardened by irradiation. (German (F.R.) patent document 2618456/A/) 354449
Pacini, F.
Evolution of expanding nonthermal sources. I. Nonrelativistic expansion. 351093
Paciotti, M.A.
Application of protons to computer tomography. (LA-UR – 77-2385) 373567
Dosimetry of pion therapy beams. 352351
Tuning the beam shaping section of the LAMPF Biomedical Channel. 363310
Pack, R.W.
Human factors in the nuclear control room. 365837
Workshop on power plant operator selection methods. (EPRI-SR – 28) 352193, 352217, 352218, 352256, 352500, 352948, 352949, 352950, 352956, 352957, 352968, 352979, 352985, 352990
Packan, N.H.
Correlation of neutron and nickel-ion damage in pure nickel. 360116
Packard, D.R.
Sintering uranium oxide using a preheating step. (US patent document 4,052,330/A/) 373299
Packer, S.
Metal isotopes used as radioactive indicators of ocular melanoma. 360383
Packer, T.W.
Analysis of stream sediment and soil samples using a high resolution energy-dispersive X-ray fluorescence spectrometer. 375243
Pacyna, J.
Investigations on the discrimination coefficients Sr-90 and Cs-137 in the system atmospheric precipitation-soil. 365324
Radioactive contamination of some arable soils in the Lower Silesia in 1972. 354651
Strontium-90 and caesium-137 contents in human teeth. 365423
Pacyna, J.M.
Dose estimations for individual human organs. 355253
Paczynski, B.
Carbon burning with convective URCA neutrinos. 372158
Model of accretion disks in close binaries. 359144
Padalko, V.Yu.
Study on the excitation function of the ^{116}Cd(dn)sup(117m,g)In reaction. 378080
Padamsee, H.
Suppression of multipactoring in superconducting cavities. 363311
Padayatty, J.D.
Presence and synthesis of histone mRNA in rice embryos. 373641
Paddock, E.F.
X-ray induced increase of mitotic crossovers in Nicotiana tabacum. 365374
Paderin, S.N.
Alloying with nitrogen and denitriding of the complex composition metal bath. 357293
Nitrogen behaviour at steel melting in arc furnaces. 375771
Paderina, N.V.
Prototype testing of the ANKB-10 ampholyte for molybdenum extraction. 375769
Paderno, I.P.
On the main directions of investigation into the reliability of radiation sources used in radiation-chemical units. 357869
Paderno, V.N.
Heat and electric conductivity of monolytic lanthanum hexaboride at high temperatures. 370099
Paderno, Yu.B.
Heat and electric conductivity of monolytic lanthanum hexaboride at high temperatures. 370099
Padezhnova, E.M.
Investigation of samarium solubility in the magnesium based solid solution. 378717
Study of phase equilibria and properties of the Mg-Y-Zr system alloys. 369929
Padgett, D.W.
Telecommunication with neutrino beams. 377826
Padial, N.T.
The lattice dynamics of six prominent B.C.C. transition metals. (UEC-S – 182/52/75) 363967
Padilha, A.F.
Wear of materials for turbine and cladding in the HTGR and GCFR. 351677
Padilla, A. Jr.
Mathematical and computational techniques employed in the deterministic approach to liquid-metal fast breeder reactor safety. 373875
Padjen, R.
The collective modes in nuclear matter. (CEA-CONF – 3962)

377882
The propagation and damping of the collective modes in nuclear matter. 372613
Padma Kumari, V.M.
Variation of uranium, thorium and potassium contents in the granitic rocks of Hyderabad, Andhra Pradesh; a preliminary study. 367382
Padmanabha Naidu, B.
Utilization of palmitic acid-1-^{14}C in active and aestivated garden snail Cryptozona ligulata Ferrusac. 367637
Padmanabhan, C.
Effect of gamma-irradiation on nucleic acids, proteins, respiration and phosphatase activity of carrot callus cultures. 376089
Padmanabhan, G.
Effect of gamma-irradiation on nucleic acids, proteins, respiration and phosphatase activity of carrot callus cultures. 376089
Padmanabhan, S.Y.
Induction of resistance to bacterial leaf-blight (Xanthomonas oryzae) disease in the high-yielding variety, Vijaya (IR8 x T90). 373725
Induction of resistance to blast disease (Pyricularia oryzae) in the high yielding variety, Ratna (IR8xTKM6). 373719
Padova, R.
Evaluation of some indicators of seedling injury following gamma and ems treatment in peanuts, Arachis hypogaea L. 365377
Padovan, R.
Radioiodination of iodinated estradiol-17β, 17-diphosphonate. (INIS-mf – 4010) 367155
Padrielli, L.
A search for radio emission from a sample of optically selected quasars. 366694
Spectral index studies of extragalactic radio sources. 366713
Paduch, M.
Plasma-focus dynamics investigations by means of multiframe interferometry and shadowgraphy. (INIS-mf – 3963) 371812
Padureanu, I.
Temperature dependence of the distribution functions in liquid tin. 356000
Padurets, L.N.
Catalytic activity of hydrides of nickel based alloys in hexene-1 transformations. 349257
Synthesis and some properties of vanadium and niobium dihydrides . 359673
Paeda, R.I.
Determination of radioisotopes trace amounts by means of liquid scintillation detectors. (INIS-mf – 4188) 375322
Paetz, E.
Pipe connection for high pressure and temperature loads. (German (F.R.) patent document 2452770/A/) 355143
Paetz, H.
Matching of heavy ion sources to tandem accelerators. 357977
Paez, A.
Scintigraphy of the cerebrospinal fluid. 354967
Paff, R.J.
Flux-synthesis and luminescence of compounds of the $Y_2O_3 - Ta_2O_5$ system. 357366
Pagava, T.A.
Fermi energy effect on efficiency of injection of radiation defects due to electron irradiation of silicon. 348825
Page, D.
Some considerations relating to the accuracy of measuring the ash content of coal by X-ray backscattering. 376267
Page, R.
Single fireball and fireball ideal gas. 363776
Page, T.
Measurements of far-ultraviolet photographs from Skylab 4 and Apollo 6. Final report. (N – 77-21516) 366737
Page, T.L.
Effects of water quality alterations on fish behavior. (BNWL – 2100(Pt.2)) 362936
Impingement studies at the 100-N reactor water intake. (BNWL – 2401) 362993
Pagel, B.E.J.
Observational evidence for atmospheric chemical composition peculiarities relevant to stellar evolution. 369177
Pagels, H.
Prepotentials for non-abelian gauge fields. 353129
Pages, J.P.
Nuclear energy and public opinion: arousal of a myth. 355675
The public and nuclear energy. 370521
Pages, M.
Flux growth of fluorides of lithium and thorium or uranium. 357004
Pages, P.
Analysis and forecast of agricultural products exchanges between various regions with a view to evaluating food chain contamination. 370654
Pagetti, J.
Influence of the stress applied to an 18-10 stainless steel on its repassivation ability in 3% NaCl solution at 80°C. 354547
Pagiola, E.
Total cross sections for charged-current neutrino and antineutrino interactions in BEBC in the energy range 20-200 GeV. 353945
Pagnoncelli, C.C.K.
Immunological aspects of ionizing radiations. 354769
Pahl, M.
A hollow-cathode ion source for drift tubes. 370680
A new method for the measurement of the mean etchable fission track length and of extremely high fission track densities in minerals. 352808
Pahor, S.
Superluminal transoformations and tachyons. 368576
Pahutova, M.
Creep and creep rupture of a Zr-6%Sn-1%Mo alloys. 370016
Pai, H.L.
Use of the thin dielectric track detector as particle discriminator. 368312
Pai, L.
Electrofission of ^{206}Pb, ^{207}Pb, and ^{208}Pb. 351380
Paic, G.
Use of photodiodes for neutron dosimetry. 379908
Paige, F.E.
Cut Reggeon field theory in the triple-Regge region. 358675
Normalization of the triple-Pomeron coupling. 359249
Paik, N.C.
Transposition of fuel and blanket assemblies in LMFBR'S. (CONF-770611 – 17) 358284
Paine, D.
Multivariate analysis of factors affecting radiocesium uptake by Sagittaria latifolia in coastal plain environments. 365422
Radiocesium dynamics in herons inhabiting a contaminated reservoir system. 370396
Paine, R.T.
Boron-11 NMR study of the large angle anisotropic motion of $B_3H_8^-$ in $(CH_3)_4NB_3H_8$. 351857
Painter, J.W.
Nonlinear synthetic iterative method for discrete orginates neutron transport calculations. 366911
Painter, L.R.
Isotopic effects on the electronic properties of H_2O and D_2O in the vacuum uv. 351493
Painter, R.B.
Organization of repeated nucleotide sequences in the replicons of mammalian DNA. 360231
Pais, A.
Current problems in the weak interactions. (CONF-770137 – 1) 361837
How can we verify the weak selection rules of the new particles. 359299
Radioactivity's two early puzzles. 372652
Paisner, J.A.
Identification of Rydberg states in the atomic lanthanides and actinides. (UCRL – 79550) 358802
Multiphoton spectroscopy in heavy elements. (UCRL – 79470) 363926
Rydberg series in the lanthanides and actinides observed by stepwise laser excitation. (UCRL – 79521) 361406
Paiva, M.
Isotope separation by 'Taylor diffusion'. 379370
Pajares, C.
Higher-order epsilon terms in the triple-Regge region. 371419
On the duality in the photoproduction of resonances. 353885
Topological cross section in the perturbative Reggeon calculus. 372468
Pajer, K.
Technique for measuring radioactivity of substances labelled with ^{14}C isotope. (Soviet patent document 492099/A/) 355556
Pajk, S.P.
Chemical hysteresis in phase reactions in fluorite-related systems: the reactions $PrO_{1.714}$(i) + $0.032O_2$ in equilibrium $PrO_{1.778}$(xi) and $TbO_{1.714}$(i) in equilibrium $TbO_{1.500}$ (phi) + $0.107O_2$. 357375
Pak Khon Cher
(n, α) reaction for deformed and transition nuclei. (INIS-mf – 3897) 354140
Pak, C.O.
Measurement of polarized target asymmetry in $\gamma p \rightarrow \pi^+ n$ below 1.02 GeV. 369371
Pak, N.K.
Axial anomaly and chiral symmetry breaking in Schwinger model: a canonical approach. 363826
A dispersion-theoretic study of pion factor. 361838
Final state hadrons in inclusive electroproduction processes. 351187
Transverse-momentum limitation in inclusive electroproduction processes. 361304
Pak, V.V.
Mechanism of accelerating effects of aluminium oxide and thallium (3) oxide on potassium nitrate and potassium perchlorate radiolysis. 369802
Pakher, G.
Electron thermal conduction of current-carrying plasma in stellarators. (KFTI – 74-36) 348976
Pakholkov, V.S.
Investigation of aging of granulated iron hydroxide by the method of gel freezing. 349260
Sorption of ions of some elements of the third group of the periodic chart from ammonium fluoride solutions by granular iron dioxide. 372991
Sorption of uranium (6) from ammonium carbonate solutions by granulated iron hydroxide. 359756
Sorption of uranium from UO_2F_2-NH_4F-H_2O solutions by granulated iron hydroxide. 359755
Pakhomov, Eh.E.
Device for detection of nonhomogeneities in liquids. (Soviet patent document 432438/A/) 350380
Pakhomov, N.I.
Integral multiplicities of cosmic-ray-neutron-component production at different depths in atmosphere. 357541
Pakhomov, V.I.
Determination of minimal spanning trees for total graphs. (JINR-R – 11-10634) 376859

Pakhomov, V.P.
Electrochemical properties of titanium-ruthenium alloys in the processes of anodic synthesis. 378411
Pakhomov, V.V.
Decladding of BOR-60 and BR-5 fuel elements by clad melting. (NIIAR-P – 17(283)) 359840
Short-period fluctuations in the decimeter radio emission of the Sun. 369178
Pakhomova, A.L.
Device for detection of nonhomogeneities in liquids. (Soviet patent document 432438/A/) 350380
Pakhunkov, Yu.I.
Radioisoisotope tracking level gage-regulator. (Soviet patent document 381064/A/) 355105
Pakkanen, A.
Measurements of the radiative widths of the first T=1, 2⁺ state of ^{20}Ne and their relationship to analog β-decays. 354182
Structure of odd-A Pm nuclei. I. 354223
Paklerova, L.D.
On mechanism of polarographic reduction of molybdenotungstosilicic heteropoly acids. 359648
Polarographic study of molybdeno-tungstosilicon heteropolyacids on platinum electrode. 364980
Pakuasa, S.
Discrete symmetry and Cabibbo angle. 372469
Pakvasa, S.
Has a Higgs particle been seen. 372459
Pal, B.
Optical model analysis of nonelastic interaction of 14.2 MeV neutrons. 361913
Pal, Jayanta
Design of proportional-integral-derivative type optimal controller for a nuclear reactor. 358101
Pal, U.R.
Effect of iron and manganese of ^{65}Zn absorption and translocation in soybean seedlings. 376140
Pal'guev, S.F.
Investigation of electric conductivity of solid electrolytes of ZrO_2 + Sc_2O_3 and ZrO_2 + Y_2O_3 containing additions of iron oxide or chromium oxide. (INIS-mf – 4189) 375474
Physicochemical properties of solid electrolytes based on rare earth oxides. (INIS-mf – 4189) 375527
Structural transformations and electric conductivity in the ZrO_2-Me_2O_3-Cr_2O_3 (Me-Ho, Dy) system. (INIS-mf – 4189) 375501
Thermal behaviour of coprecipitated hydroxides in the ZrO_2-Y_2O_3 system in the Y_2O_3 x $2ZrO_2$ region. (INIS-mf – 4189) 375454
Pal'mina, N.P.
Antioxigenic activity of lipids and radiosensitivity. 367513, 379040
Pal'mov, V.A.
On the calculation of the strength of the "T-20" electromagnetic system. (INIS-mf – 3954) 361642
Palabrica, R.J.
Philippine experience in technology transfer in atomic research. 352561
Palacek, E.
Changes in properties of DNA caused by gamma and ultraviolet radiation. 373493
Palacio, C.
Study of the impurities in tantalum and anodic tantalum oxide by Auger electron spectroscopy. 369561
Palacios-Gomes, J.
Upper frequency limit for proton transfer in imidazole. 364981
Palacios-Gomez, J.
Neutron-spectroscopic investigations of the proton behavior in hydrogen bondings of $NaH_3(SeO_3)_2$. (Juel – 1434) 358892
Palacios, E.
Determination of the radiological capacity in the IEA environment. (IEA – 454) 352052
Paladini, J.
Accelerator for ion implantation in semiconductor materials. 352842
Vacuum components for ion implantation device. 352841
Palagyi, S.
Separation radioiodine by static and dynamic isotopic exchange with immobile organic phase. (INIS-mf – 3849) 378149
Palagyi, T.
Technique for measuring radioactivity of substances labelled with ^{14}C isotope. (Soviet patent document 492099/A/) 355556
Palaj, J.
Josephson effects in long superconducting bridges with variable thickness. 359193
Palano, A.
Evidence for a narrow width boson of mass 2.95 GeV. 372519
Inclusive anti K^{*0} (890) production in π^-p interactions at 16 GeV/c. 356507
Observation of the reactions π^-p→anti pd at 10 and 16 GeV/c. 372520
Peripheral anti pn production and decay angular distributions in the reaction π^-p → (anti pn)p at 12 GeV/c incident momentum. (BONN-HE – 77-14) 366886
Production of phi and f' in 10 GeV/c K^-p interactions. 353959
The slow proton trigger for the CERN OMEGA spectrometer. 368293
Palatnik, L.S.
Solubility of a third component in a binary semiconductor compound. 370017
Palatnikova, E.S.
Large pipes of 15 gs, 14 khgs, and 30 khma steels for chemical high-pressure equipment. 375784
Palazzi-Cerrina, C.
Evidence for a narrow width boson of mass 2.95 GeV. 372519
Inclusive anti K^{*0} (890) production in π^-p interactions at 16 GeV/c. 356507
Observation of the reactions π^-p→anti pd at 10 and 16 GeV/c. 372520
Production of phi and f' in 10 GeV/c K^-p interactions. 353959
Palazzi, G.
Subcooled and bulk boiling correlations for thermal design of steam generators. (CNEN-RT/ING – 77-10) 363097
Up-flow and down-flow burnout. 376508
Palazzi, P.
A detector for high-energy neutrino interactions. 379899
Is there a high-y anomaly in antineutrino interactions. 351222
Like-sign dimuon events produced in narrow-band neutrino and antineutrino beams. 356512
Measurement of the neutral to charged current cross section ratio in neutrino and antineutrino interactions. 361888
Observation of a neutrino event with four energetic muons. 372525
Observation of trimuon events produced in neutrino and antineutrino interactions. 356511
Study of inclusive neutral current interactions of neutrinos and antineutrinos. 369377
Palchik, M.Ya.
Conformally invariant solution of quantum field equations. II. 353074
Palcic, B.
Physical and radiobiological properties of the negative pi-meson beam at TRIUMF. 378979
Palczynski, R. J.
Strontium-90 and caesium-137 contents in human teeth. 365423
Palenius, H.P.
New measurements of the Se I resonance lines. 353695
Palenzona, A.
The heat of formation of the $YbAl_2$ compound. 375535
Palfalvi, J.
Dosimetric quantities and spectra of neutrons transmitted through and reflected from different homogeneous slabs. (KFKI – 76-76) 356542
Palffy, L.
Average polarization of ^{12}B in ^{12}C(μ,γ)^{12}B(g.s.) reaction: helicity of the π-decay muon and nature of the weak coupling. 356519
Palgi, L.
Can CP invariance be saved. (FI – 40) 349076
Palitsina, S.S.
Synthesis and some properties of basic crystal hafnium ditungstate. 349275
Paliwal, B.R.
Response of Baldwin-Farmer chamber at mammography energy. 370658
Paliwal, R.K.
Potentiometric determination of thermodynamic parameters for the complex formation of Arsenazo I and Spadns with yttrium(III), zirconium(IV) and cerium(IV). 367100
Palka, K.W.
Determination of sulphur content in boreholes by neutron capture. 375970
Palke, W.E.
Calculation of the magnetic susceptibility of H_2 by the distinguishable electron method. 351870
Palkina, K.K.
Preliminary data on $CsTb(PO_3)_4$ crystal structure. 369685
Palla, A.
Imaging of pulmonary ventilation in asthma assessed with continuous inhalation of krypton-81m. 354931
Palla, L.
Grand unified schemes and spontaneous compactification. 353827
Palladino, V.
Investigation of argon-ethylene mixtures for drift chambers. 374350
Pallagi, D.
Flow rate measurements by the cross-correlation of thermocouple stochastic signals in circuits with natural convection of a coolant. 379992
Pallavicini, R.
Survey of soft X-ray limb flare images: the relation between their structure in the corona and other physical parameters. 351064
Pallotti, G.
Potentiometric determination of azides by the aid of special electrodes. (KFK-TR – 535) 354282
Palluel, P.
High power electron tubes for plasma heating. 353557
Palm, R.G.
Results of recent TOP and LOF experiments in TREAT. (CONF-761001 – P4) 363007
Palma, A.
Recognition of objects and position recovery from microdensitometer measurements of large field plates. 372133
Palma, G.
Particle morphology in the early stages of radiation-induced heterophase polymerization of vinyl chloride. 373075
Palmaers, W.
Testing, start-up and acceptance of the Biblis B reactor protection system. 370846
Palmberg, P.W.
Electron analyser. (German (F.R.) patent document 2241613/B/) 366029
Palme, H.
Instrumental neutron activation analysis of lunar samples and the identification of primary matter in the Lunar Highlands. 375384
Meteorite material at five large impact craters. 376009

Palme, H.S.
Evaluation of sample problem, case 1 – embedded flaw located in the Beltline Region wall of a PWR reactor vessel. (IAEA – 189) 360919
Material properties. References, bases, and new developments. (IAEA – 189) 360822
Methods of compliance with fracture toughness and operational requirements of 10 CFR 50, appendix G. (BAW – 10046A(Rev.1)) 360918
Palmeira, R.A.R.
Calculation of the energy spectrum of atmospheric gamma-rays between 1 and 1000 MeV. (INIS-mf – 4114) 365329
Increase in γ-ray flux at balloon altitude during magnetic disturbances. (INIS-mf – 4115) 365328
Palmer, A.
Nuclear energy. 365508
Palmer, D.C.
^{35}Cl, ^{37}Cl and ^{36}Ar(n,d) reactions at 14.1 MeV. 351400
Coulomb excitation of ^{135}Ba. 356852
Relative measurement of the quadrupole moments of the first excited states of the even isotopes of Ru, Pd and Cd. 366995
Palmer, D.W.
Ionization and subthreshold effects in defect creation and annihilation in semiconductors. 370202
Temperature dependence of defect production during proton irradiation of n-type silicon. 370245
Palmer, F.L.
Thermodynamics of the sine-Gordon fields. 350495
Palmer, H.E.
Use of ^{85}Sr as an indicator of bone mineral replacement in dogs after disuse demineralization. 362786
Palmer, H.P.
Statistical investigation of compact emitting regions in extragalactic radio sources. 374872
Palmer, I.D.
Separation of solar and interplanetary diffusion in solar cosmic ray events. 366697
Solar proton event of April 16, 1970 1. Features in interplanetary space and in the magnetosheath. 351065
Solar proton event of April 16, 1970 2. Transformation of proton pitch angle distributions from the solar wind into the magnetosheath. 351967
Palmer, J.E.
Differential repair of premutational UV-lesions at tRNA genes in E.coli. 376075
Palmer, R.B.
Charm and strange particle production in neutrino interactions. 353950
The cross section for the production of massive electron pairs and the UPSILON(9.5 GeV) in proton-proton collisions at the CERN ISR. 369367
Dilepton production by neutrinos in neon. 351210
Quasi-elastic neutrino scattering and the axial vector form factor. 353951
Study of photons produced simultaneously with the J/psi particles at the CERN Intersecting Storage Rings. 377794
Palmer, R.E.
Evaluation of the potential to upgrade the Sandia Atomic Iodine Laser SAIL-1 to higher output energies. (SAND – 77-0775) 359006
Palmer, R.F.
Carcinogenesis of inhaled radio daughters with uranium ore dust in beagle dogs. (BNWL – 2100(Pt.1)) 360312
Comparative toxicity in rats vs hamsters of inhaled radon daughters with and without uranium ore dust. (BNWL – 2100(Pt.1)) 360315
Non-neoplastic pulmonary disease from inhaled radon daughters with uranium ore dust in beagle dogs. (BNWL – 2100(Pt.1)) 360313
Palmer, R.G.
Study of fast reactor safety test facilities. Preliminary report. (LA – 5978-MS) 370530
Palmer, S.B.
The elastic and magnetic properties of a single-crystal Gd-40%Y alloy. 357311
Magnetic phase diagram for Ho-50%Tb from anomalies in ultrasonic propagation. 354524
Magnetoelastic effects in Dy. 357280
An ultrasonic study of the magnetic phases of dysprosium. 374722
Palmer, W.B.
Fluidized-bed calciner with combustion nozzle and shroud. (US patent document 4,017,253/A/) 374420
Palmer, W.F.
Do fermion-pseudoparticle interactions generate quark masses. (COO – 1545-217) 372432
Higher order effects of pseudoparticles in QCD. (COO – 1545-212) 364508
Virtual quark-quark scattering in the pseudoparticle background. 364507
Palmeri, A.
π$^-$-nucleus interactions for stopped and 45 MeV pions with $^{58, 60, 62}$Ni. 359467
Palmeter, S.B.
Reactor plant construction productivity, why so different. 358153
Palmieri, F.
Carrier-mediated transport of metabolites in purified bean mitochondria. 354925
Palmonari, F.
Physics with very high energy e$^+$e$^-$ colliding beams. (CERN – 76-18) 375013
Search for fractionally charged particles produced in proton-proton collisions at the highest ISR energy. 361873
Palms, J.M.
Decay of ^{194}Os and L_1 subshell yields at Z = 77. 375182
Palombo, F.
Analysis of the precision in effective mass and four-momentum transfer for forward produced systems using the magnetic spectrometer MIS. (JINR-E – 1-10718) 376719
Palowitch, B.L.
Application of experience to initial reactor startups. 358222
Neutron flux mapping at low power in Westinghouse PWRs. 358232
Pals, J.A.
On the Josephson effect between superconductors in singlet and triplet spin-pairing states. 353741
Superconductivity in Al above the critical temperature Tsub(c) induced by microwaves. (INIS-mf – 4267) 377691
Palti, S.
Application of Cunningham's model to the calculation of the radiation beams of a cobalt therapy machine. (INIS-mf – 4052) 373903
Palumbo, D.
Research on fusion in the European Community. 353610
The role of fusion in the future of nuclear power: A European point of view. 364203
Palyukh, B.M.
Elastic scattering, charge exchange and production of molecular ions on intersection of magnesium ion and atomic beams. (INIS-mf – 3915) 350343
Pamyatnykh, E.A.
Neutron scattering by quantum magnetic excitations in normal and ferromagnetic metals. 368864
Pan, Y.L.
High performance inertial fusion targets. (UCRL – 79373) 377502
Simulations of intermediate density laser fusion targets: recent progress in design and analysis. (UCRL – 80005) 374842
Pan'kin, V.G.
Changes in the optical properties of silicon nitride,-oxynitride and oxide films following ion irradiation. 370160
Pana, P.
Subcooled and two phase critical flow states and comparison with data. 373996
Panagiotou, A.D.
The $^{12}C+^{12}C\rightarrow\alpha+^{20}Ne$ reaction mechanism and angular-momentum effects. 364810
Panakkal, J.P.
X-ray radiographic examination of plug welds of zircaloy-clad fuel elements. (BARC – 911) 376402
Panangaden, P.
Probability distribution for radiation from a black hole in the presence of incoming radiation. 364391
Panar, J.D.
Single proton states in odd holmium isotopes. 359513
Panarella, E.
Comments on the paper by K.A. Brueckner and R.S. Janda 'Wavelength dependence of laser coupling to pellet implosions' Nucl. Fusion 17(2) (1977) 305. 371979
The REXIMPLO experiment: high frequency pulsed compression of pre-ionized deuterium gas. (INIS-mf – 3963) 374850
Panarin, E.F.
Synthesis and complex forming properties of copolymers of N-vinylpyrolidone with aminoaklylmethacrylates, containing boronium groups. 354342
Panarin, V.E.
High-temperature properties of eutectic alloys with titanium diboride. 378732
Panasenkov, A.
Co-operation of the CMEA member countries in the development of different reactor types, including certain aspects of their nuclear fuel cycle. 366143
Panasenkov, A.A.
Conception of injector design for a thermonuclear reactor. (INIS-mf – 3954) 361623
Injectors for large thermonuclear devices. (INIS-mf – 3954) 361624
Panasyuk, E.I.
Exciton spectra and band structure of Znsub(x)Cdsub(1-x)S mixed crystals. 348850
Panasyuk, M.I.
Proton component of the Earth radiation belts according to measurements on "Molniya" satellites. 357537
Panasyuk, O.A.
Reduction of oxide mixtures for permalloy-type alloys. 349252
Panasyuk, V.S.
50 MeV electron synchrotron with cyclotron preacceleration. 350092
Panayotou, N.F.
Effect of hydrogen (deuterium) on properties of fusion power reactor first wall alloys. (COO – 4393-01) 371980
Shock-tube study of fusion plasma-wall interactions. (COO – 2456-47) 361550
Panchanadeeswaran, S.
Positron measurements of aging in complex aluminium alloys. 348796
Panchenko, A.T.
Devices for reducing subsidiary time and danger when performing operation on steel radiography. 367889
Panchenko, B.I.
Electrodiffusion trap for liquid-lithium purification from nitrogen. (Soviet patent document 436395/A/) 379554

Panchenko, I.Ya.
Formation of tissue doses of ^{90}Sr and ^{137}Cs orally administered to calves and hens. 370412
On the problem of extrapolating the data on Sr^{90} behaviour in dogs to a human organism. 370411
Panchenko, O.A.
Interaction of conduction electrons with the (110) face of a tungsten single crystal. 348798
Panchenkov, G.M.
Adsorption chemiluminescence on γ-irradiated adsorbents. 378539
Effect of gamma irradiation on activity of modified by metal ions aluminium silicate catalyst in cracking and polymerization reactions. 373090
Effect of gamma radiation of organometallosiloxanes on their catalytic activity in reaction of cumene cracking. 373057
Effect of gamma radiation on zirconium silicates and their catalytic activity. 373058
Effect of treatment of γ-irradiated aluminium silicated on composition of cracking products. 373076
On catalytic activity of zeolite-containing zirconium silicate catalysts. 378364
Radiation-catalytic alkylation of benzene. 373077
Panchenkov, G.N.
Investigation into radiation-catalytic alkylation of benzene under pressure. 373078
Panchina, N.A.
Preparation of strontium-nickel carbonates. 367065
Pancholi, S.K.
Measurements of time differential perturbated angular gamma-gamma correlations in the ^{207}Bi decay. 377962
Role amplification of the coulomb interaction in nuclear reactions. 377857
Panchuk, O.Eh.
Investigation into Ge behaviour in CdTe. 359986
Purification of tin labelled with ^{113}Sn from radioactive impurities of antimony. 359760
Panchvidze, M.V.
Low-temperature radiolysis of aliphatic thils. Chapter 5. (INIS-mf – 3678) 354444
Protection of aliphatic alcohols by thiols. (INIS-mf – 3782) 349359
Radiation-chemical synthesis of some organic sulfur compounds. (INIS-mf – 3782) 351651
Radiation-chemical transformation of organic sulfides. (INIS-mf – 3782) 357171
Radiation-chemical transformation of thiourea. (INIS-mf – 3782) 349358
Radiation-chemical transformations of compounds with sulfhydryle group. (INIS-mf – 3782) 349357
Panczel, M.
Experimental and computational study of rotation effects in molecular ion photodissociation. 377097
Pande, B.P.
Integrated planning for a fuel industry, with emphasis on the minimum size appropriate for fabricating one's own fuel. 365829
Pande, C.S.
Effects of nuclear irradiation on the superconducting transition temperatures of A-15 materials. 354620
Pande, G.C.
Hydromagnetic flow near an oscillating porous limiting surface. 366738
Pande, J.K.
Determination of serum thyroxine level in goats by competitive protein binding. 352126
Studies on T_3-^{125}I uptake by resin in Hariana and its F_1 crosses in relation to different climatic conditions. 352067
T_3-^{125}I uptake by resin, serum and calcium and phosphorus level in pregnant and lactating black Bengal goats. 352131
Pandey, A.N.
Force constants, Coriolis coupling constants and vibrational amplitudes of a few lanthanide trifluorides. 351540
Pandey, D.
X-ray diffraction study of stacking faults in a single crystal of 2H SiC. 354589
Pandey, K.N.
Cell division factors (cytokinins) from irradiated plant tissue. 379000
Pandey, M.S.
Radiative muon capture in calcium. 351365
Pandey, N.C.
Diffusion limited energy transfer from $Tb^{3+} \rightarrow Ho^{3+}$ in calibo glass. 371497
Energy transfer from $UO_2^{2+} \rightarrow Er^{3+}$ in barium borate glass. 372967
Energy transfer from $UO_2^{2+} \rightarrow Ho^{3+}$ in borate glass. 355887
Pandey, R.N.
Temperature distributions in a system of two cylindrical bodies. 368235
Pandian, S.
Radioisotope sources for X-ray fluorescence analysis. 367873
Panek, R.J.
Spectrophotometry of nova Cygni 1975. 361724
Panek, T.
The Moessbauer effect spectrometer with integrated circuits. 355616
Panepucci, H.
EPR of the radical OCN^{2-}. 351907
Identification of F center in KCN. 350764
Response of a quasi-isolated spin system to a variable field. 350763
Spin-lattice relaxation of F centers in KBr between 6K and 15K. 350783
Spin-lattice relaxation times of F centers in cesium halogen compounds. 350720
Panev, G.S.
Exitation and charge exchange of Mg^+ ions on alkali metal atoms. (INIS-mf – 3915) 348747
Panfil, B.
Effects of whole-body irradiation on dihydrofolate reductase activity of the mouse spleen. 379035
Panfilov, A.D.
Accelerating resonators for proton synchrotrons with a short acceleration time. 376346
Pang, C.Y.
Recent results from counter-spark chamber ν experiment at BNL. 353980
Pang, K.
The Voyager mission photopolarimeter experiment. 374929
Pangarowa, W.H.
Investigation of the kinetics of the interaction of Cu_2S and TeO_2. 354315
Panich, G.G.
Titanium alloy surface alloying for wear resistance improvement. 378675
Panichev, N.A.
Particularities of emission-spectroscopic determination of element composition of atmospheric dust. 349166
Panichi, C.
Environmental isotopic study of the Campi Flegrei (Naples, Italy) geothermal field. 375973
Panicker, P.K.
Operational experience and developmental activities in waste management at Trombay. 358500
Panin, S.D.
Investigation into radiation-induced porosity at ILU-100 accelerator. (FEI – 652) 357421
Pores in helium-saturated nickel irradiated by nickel ions. (KFTI – 74-47) 357422
Panin, V.E.
Interatomic interaction and phase stability in alloys of the first transitional series elements. 373249
On the crystal structure peculiarities of the bcc lattice transition metals and solid solutions on their base. 349431
Pseudopotential method and thermodynamics of alloys. 373248
Variation of interatomic interaction and lattice parameters in alloys during ordering. 369947
Panin, Yu.A.
Some problems on a local shield calculation of technological installations with electron accelerators. (INIS-mf – 4194) 376362
Panin, Yu.N.
Storage of ultracold neutrons in copper vessels. (JINR-R – 3-9534) 349137, 354007
Panina, L.K.
Sm_3S_4 specific heat anomaly. 356066
Panina, N.V.
Phase transformations in VT22M titanium base alloy during heat treatment. 351754
Pankova, O.A.
Magnetic susceptibility and magnetic moment of iron-chromium alloys. 349521
Pankove, J.I.
Dependence of DC electroluminescence and host-excited photoluminescence on Tb^{3+} concentration in sputtered ZnS:Tb^{3+} films. 353325
Pankow, B.
Supports for the pressure vessel of a nuclear reactor. (German (F.R.) patent document 2429234/C/) 368135
Pankrat'ev, Yu.A.
Plasma accumulation in electromagnetic traps. (KFTI – 75-19) 377504
Pankrat'eva, M.I.
Production of pure rare earth metals. 375783
Pankratov, A.A.
Bromine reaction with molten alkali metal chlorides. (INIS-mf – 4193) 375470
Pankratov, A.V.
On kinetics of laser-produced chemical reactions. 362160
Pankratov, N.N.
Investigation of temperature conditions on the surface of niobium bath during plasma-arc melting. 367218
Pankratov, O.A.
Hydrogen in metals. 348820
Pankratov, V.B.
Study of standards of magmatic rocks by instrumental neutron activation analysis using gamma spectroscopy of high resolution. (INIS-mf – 3994) 378096
Pankratov, V.M.
Time pulse shaper of scintillation counters. 375995
Pankratova, L.N.
Studying 500 keV proton effect on system of polymethyl-phenyl-siloxane and silazane. 362290
Panman, J.K.
High-spin states and neutron multiplicities after pion capture in ^{181}Ta and ^{209}Bi. (INIS-mf – 4267) 377966
Pannamperuma, C.
The Voyager infrared spectroscopy and radiometry investigation. 374914
Panneciere, C.
Interest of the sup(99m)Tc-Sn-gluconate in the detection of tumor of the posterior fossa. Comparative study with pertechnetate (56 cases). 357696

Pannetier, B.
Ballistic propagation of near-gap phonons in bulk superconducting tin. 359970
Panofsky, W.K.H.
Experimental basis for the new quark spectroscopy. (SLAC-PUB – 2025) 377816
Panov, A.N.
Permittivity of a nondegenerate collisionless plasma and cyclotron waves in a quantized magnetic field. 368796
Photon absorption and emission in Coulomb collisions in a magnetic field. 350916
Panov, A.S.
Effect of zirconium beryllide anodizing on its interaction with molybdenum and tungsten. 362293
Panov, D.
Chromosomal aberration in persons occupationally exposed to X-rays. 354812
Radiobiological effects of joint action of alpha radiation (^{210}Po) and quartz dust in the rats respiratory and renal system. 354866
Panov, D.A.
Suppression of the low density plasma cyclotron instabilities by excited plasma oscillations. (INIS-mf – 3963) 372105
Panov, I.
On some problems of the combined action of radon and silicon dioxide. 367579
Panov, K.
The period of the magnetic star HD 133 029. 351066
Panov, M.N.
Elementary processes of change of charge states of particles in collisions of He^{2+} ions with Xe atoms. (INIS-mf – 3915) 348632
Interaction of He^{2+} ions with hydrogen molecules. (INIS-mf – 3915) 348633
The processes of electron capture from noble gas atoms to different states of multiply charged argon ions. 358693
Production of He^{+} ions in different electron states in He^{2+} – He collisions. (INIS-mf – 3915) 348634
Panov, V.I.
Superconducting cavity resonators with large capacitance. 363277
Panov, V.P.
Conditions of growth and properties of residual conductivity of CdS films. 369686
Phase composition and photoelectric properties of chemically precipitated CdS films. 349308
Tempearture dependence of electric conductivity of CdS films with residual conductivity. 348835
Panova, A.N.
Ionic conductivity of CsI and CsI(Na) crystals. 374785
Pansart, J.-P.
Direct electron production at the CERN I.S.R. (CEA-N – 1985) 353987
Panse, H.
Determination of main and trace elements in Luna-16- and Luna-20-material. 354288
Pant, G.C.
Response of adrenal gland to whole body ^{60}Co irradiation. 349738
Pant, G.S.
Sister chromatid exchanges in peripheral lymphocytes of atomic bomb survivors and of normal individuals exposed to radiation and chemical agents. 349766
Pant, H.C.
An approach to the study of intracellular proteins related to the excitability of the squid giant axon. 373698
Pantaleo, A.
Fission isomers produced by fast neutrons on a ^{240}Pu target. 359472
Pantazopoulos, Th.
The value of scintigraphy in orthopaedic clinical practice. (INIS-mf – 4010) 370474
Panteleev, Eh.I.
Inactivation of hemopoietic stem cells by lymphocytes as related to genotype of interacting cells. 354790
Panteleev, Ts.
Fast-response fission ionization chamber with ^{235}U radiators. 358347
Measurement of the ^{235}U(n,γf) process using characteristic X radiation. 354178
Panteleev, V.A.
Migration energy of intrinsic point defects in defferent charge states in germanium and silicon. 361438
Pantelejchuk, O.G.
Determination of critical temperature of metals using ellectric exploding of conductors under pressure. 359957
Pantelica, D.
Lifetime measurements in ^{86}Zr. 375156
Pantelides, S.T.
Theory of photoionization cross sections of impurities in semiconductors. 370203
Pantev, G.
Protective effect of adeturone on protein assimilation in the gastro-intestinal tract following acute X-irradiation. 373531
Pantev, T.
Increase of nonspecific radioresistance in rats by means of magnet-active water. 367509
Panus, V.P.
Study of phase diagram of $GeTe$-As_2Te_3 system. 375395
Panus, V.R.
On behavior of some chalcogenide glasses during low-temperature annealing. 349276
Panyushkin, V.N.
An apparatus for Moessbauer resonance studies at high pressures and low temperatures. 374775
Pulse gas-dynamic device of the circular type. 363624
Panyushkina, N.V.
On the action of radioprotective agents on the endogenous serotonin content and radiosensitivity of isolated Ehrlich ascites tumour and E. coli B. cells. 370316
Panzani, C.
Acoustic emission measurements during the first pressure vessel hydrotest at ENEL – Caorso BWR. 365858
Panzer, W.
Solid-state dosimetry in medicine. Pt. 2. 355569
Paoletti Gualandi, M.
Italian progress on light-water reactor fuel design, manufacturing, testing and management. 365873
Plutonium utilization in fast-breeder and light-water reactors in Italy. 368216
Paoloni, F.J.
Coupling to fast eigenmodes in a non-uniform plasma. 371981
Landau damping of low and high power slow electrostatic waves. (PPPL – 1372) 361605
Landau damping of low- and high-power slow electrostatic waves. 366611
Plasma-wave coupling and propagation using phased waveguide arrays. 348885
Paoluzi, L.
Description and performance of MEA, the magnetic detector at ADONE. 379480
e^+e^- colliding beams physics. 364594
Multihadron production e^+e^- annihilation at 1.6 c.m. energy. 364575
Papaconstantinou, E.
Radiolysis of aqueous solutions of a Cu(II) complex with a macrocyclic ligand. Redox reactivity towards various short-lived radicals compared to other redox reagents. 365072
Papaconstantopoulos, D.A.
Inverse isotope effect and the x dependence of the superconducting transition temperature in PdH/sub x/ and PdD/sub x/. 360018
Papadopoulos, K.
Formation of positive slope on electron runaway distribution in tokamaks. 348950
Nonlinear dynamics of runaway electrons and their interaction with tokamak liners. 364221
Simulations of nonlinearly stabilized beam-plasma interactions. 368986
Papadopoulos, L.
Amplification and discrimination of signals from proportional multiwire chambers. (ISS-T – 76-6) 366030
Papaloizou, J.
Non-radial oscillations of rotating stars and their relevance to the short-period oscillations of cataclysmic variables. 372232
Tidal torques on accretion discs in close binary systems. 356300
Papaloizou, J.C.B.
On the non-uniqueness of ideal MHD equilibria, with implications for tokamak calculations. 366536
Steady-state diffusion in a tokamak. 348951
Papanastassiou, D.A.
Correlated O and Mg isotopic anomalies in Allende inclusions: II. Magnesium. 351096
Mg and Ca isotopic study of individual microscopic crystals from the Allende meteorite by the direct loading technique. 349640
Papapetrou, A.
On static, axially symmetric Einstein-Maxwell fields. 363827, 363828
Papatheodorou, G.N.
Chemical Engineering Division physical inorganic chemistry. Annual report, July 1975 – June 1976. (ANL – 76-101) 364847
Papatzacos, P.
Small-mass behaviour and renormalization constants. 366290
Papavasiliu, V.D.
Extraction-photometric determination of niobium in form of complex with pyrocatechol and dimedrol. 364921
Papazow, J.
Radioisotope level indicators for continuous measurement and level regulation. (INIS-mf – 4015) 373957
Pape, A.
Alpha radioactivity of $E > 11$ MeV in nature. 354167
Charge distributions of sulfur ions at energies between 70 and 140 MeV. 361391
Pape, L.
Inclusive V^0 production in anti pp interactions at 12 GeV/c. 353939
Total cross sections for charged-current neutrino and antineutrino interactions in BEBC in the energy range 20-200 GeV. 353945
Paper, Ts.E.
Effect of surfactants on wet zircon vibrogrinding. 375931
Paperno, I.M.
Slip anisotropy in LiF crystals with oriented defects. 351902
Papezyk, F.
Ultrasonic testing of the welding of PWR fuel pin plugs. 376528
Utilization of focalised transducers to improve the control of mixed joint welds of ferritic and austenitic steels. (IWGFR – 10) 363402
Papineau, L.
Intermediate structure and heavy-ion reactions. 356640
Researches with the tandem and the synchrotron. Chapter 1. (CEA-N – 1959) 354227
Papini, G.
Gravitons in Minkowski space-time. Interactions and results of astrophysical interest. 353130

Papirov, I.I.
Beryllium strain hardening. 375846
The nature of zirconium plastic deformation. Part 1. (KFTI – 76-23) 375871
The nature of zirconium plastic deformation. Part 2. (KFTI – 76-51) 375845
Texture evolution at beryllium rolling. 373216
Papoular, M.
Deformation-assisted pairing in solid ^{3}He. 350765
Papoular, R.
Numerical experiments on diffusion in toroidal plasmas. (EUR-CEA-FC – 909) 353540
Papp, E.
Field theoretical connection between scale invariance and proper time. 353131
Papp, R.
Fuel mass flow, radioactive inventory and releases of light water reactors and sodium cooled fast breeders. (KFK – 2453) 355002
Safety of the liquid-metal cooled fast breeder reactor and aspects of its fuel cycle. 371030
Papp, Z.
Medical Genetics. 362633, 362636, 362688, 362765
Pappalardo, G.
Researches with the tandem and the synchrotron. Chapter 1. (CEA-N – 1959) 354172
Study of some ^{16}O states at high excitation energy. 362049
Pappas, D.S.
High-density discharges in the Alcator tokamak. 368947
Papworth, D.G.
The induction of mutations to 2-thioxanthine resistance in inhibitor depleted conidia of Aspergillus nidulans by gamma-radiation in the presence of oxygen or nitrogen. 352020
Paquette, L.A.
Molybdenum(0) catalysis of [1,5]sigmatropic carbon migration in unsaturated [4.4.2]propellanes. Deuterium isotope effects, kinetics, and mechanism. 378365
Paquin, J.C.
The production of heavy water. 363069
Paquin, R.
Secondary electron emission of alloys and vacuum evaporated thin oxide films induced by positive and negative ions. 368865
Para, A.
The effect of resonance production on angular correlations. 353935
Inclusive yields and transverse spectra of non-strange mesons. 353853
Paradijs, J. van
Evidence for an accretion disk in SMC X-1. 374943
Paradis, P.
Measurement of the static quadrupole moments of the first 2^{+} states in ^{76}Se, ^{78}Se, ^{80}Se and ^{82}Se. 354229
Parail, V.V.
Interaction of lower hybrid waves with turbulent tokamak plasma. 371983
The kinetic theory of runaway electron beam instability in a tokamak. 371982
Prospects for using electron-cyclotron waves for plasma heating in large tokamak facilities. (IAE – 2610) 356077
Parain, J.
Superconductor required for thermonuclear fusion. 353611
Paramonov, G.K.
Effect of collimator channel geometry on exposure dose. 355523
Paramonov, V.I.
Short-period variations of the cosmic ray intensity. 357526
Paramonova, I.N.
Gamma rays in neutron inelastic scattering on Al and Fe nuclei at neutron energy range 0.8 – 10 MeV. (INIS-mf – 3897) 359520
Total cross-sections of gamma ray production in neutron inelastic interaction with rhenium and lead nuclei. (INIS-mf – 3897) 356869
Paramonova, V.I.
Effect of α-irradiation on the properties of the phosphate cation exchange resin KFP. 354450
Parangtopo
Effects of temperature on Ge semiconductor Hall effects. (PPGM – L80-75) 364086
Paranjape, S.M.
Tests of the SU(2)XU(1) gauge group from neutral current phenomena. 369290
Paras, P.
Health physics aspects of the EMI computerized tomography brain scanner. 370662
Measurements of the performance parameters of gamma cameras. Part I. (FDA – 78-8049) 379897
Paraschkevov, D.
Condensation of Pd on W(110) single crystal plane. 368866
Parchure, T.M.
Sediment transport studies at Visakhapatnam. 367412
Pard, A.G.
Void formation in proton-irradiated molybdenum. 373354
Pardini, J.A.
Multiple lead seal assembly for a liquid-metal-cooled fast-breeder nuclear reactor. (US patent document 4,012,282/A/) 352759
Pardiwala, T.F.
Experience from the construction and operation of the Tarapur and Rajasthan nuclear power stations. 371003
Pardo, R.
Excitation of giant resonance in ^{90}Zr by inelastic ^{6}Li scattering. 362085
Pardo, R.C.
I. The decay of arsenic-68 and excited states in arsenic-68. II. The decay of manganese-59. 362086
Mass and beta decay of ^{59}Mn . 351401
Pardon, R.
Clinical evaluation of the new mathematical lung model for sup(81m)Kr inhalation. (INIS-mf – 4010) 367713
Pardue, W.M.
Comparison of advanced reactor potentials. 379699
Simulation of the plutonium economy using the NEEDS model. 361169
Pare, V.K.
Reactivity from power spectral density measurements with ^{252}Cf. (ORNL/TM – 5475) 358296
Relation of neutral beam injection to impurity behavior and extension of plasma parameters in ORMAK. (INIS-mf – 3963) 371934
Parekh, B.S.
Characterization, deactivation, and stabilization of cobalt oxide – molybdenum oxide – alumina. 373302
Parekh, P.P.
Resolution of the two phases of limestones with respect to their trace element contents. 375256
Revelation of the genesis of minerals in paragenesis with fluorites, calcites and phosphates via rare earth fractionation. 376010
Parente, C.B.R.
Design, construction and description of a triple axis neutron crystal spectrometer. (IEA – 477) 351352
Parera, C.A.
Industrial integration of the fuel cycle in Argentina. 369839
Pareshishvili, V.V.
27-diurnal variations of intensity and anisotropy of cosmic rays for different times of solar activity. 356172
Paretzke, H.G.
Neutron fluence measurements with solid state nuclear track detectors – results of an international intercomparison. 371130
On primary damage and secondary electron damage in heavy ion tracks in plastics. 360117
Real-time automatic evaluation of solid state nuclear track detectors with an on-line TV-device. 368264
Results of an international alpha particle registration intercomparison with solid state nuclear track detectors. 368313
Parfenov, A.N.
Multi-purpose two-doubled timer. (JINR – 13-9550) 363607
Readout system for magnetostriction spark chambers. (JINR – 13-9919) 379860
Parfenov, V.A.
Analysis of experimental data on double-differential cross-sections of slow neutron scattering on the basis of incoherent approximation. (INIS-mf – 3895) 355297
Direct measurements of multiple scattering of slow neutrons. (INIS-mf – 3895) 354013
Double-differential cross-sections of slow neutron scattering by water at high temperatures. (INIS-mf – 3895) 355305
Evaluation technique for double-differential cross-sections of slow neutron scattering for reactor moderators. (INIS-mf – 3895) 355295
Inelastic scattering of slow neutrons by beryllium. (INIS-mf – 3895) 355276
Influence of data uncertainties on moderator-atom-oscillation spectra on the calculation of integral characteristics of neutron scattering and some reactor physics functionals. (INIS-mf – 3895) 358064
Study on the scattering of slow neutrons by reactor materials. (INIS-mf – 3895) 355296
Parfenov, Yu. V.
Equation for $\pi\pi$ scattering partial wave amplitudes (neutral model). 356452
Parfenov, Yu.D.
Natural concentrations of Pb^{210} and Po^{210} in plants of steppe phytocoenoses. 357630
Parfenov, Yu.V.
Combined description of $\pi\pi \rightarrow \pi\pi$ and $\pi\pi \rightarrow K$ anti K processes. 375051
Relations between characteristics of $\pi\pi$ interactions at low and high energies. 349084
Parfenova, V.P.
Hyperfine interaction for Tb^{160} in gadolinium. 377188
Parfessa, G.I.
Influence of zirconium on technological properties of the welding wire Sv-08G2S. 349489
Parfianovich, I.A.
Luminescent properties of yttrium silicates activated by cerium at various forms of excitation. (INIS-mf – 3955) 377264
Mechanism of activator X-luminescence in potassium halogenides with di-valent ytterbium. 371521
Parfitt, A.W.
A review of problems in nuclear industrial expansion. 361144
Parham, A.G.
A partial-wave analysis of world data for the reaction $\pi^{-}p \rightarrow K^{0}\Lambda$ from threshold to 2350 MeV/c. 353760
Parida, B.K.
Cherenkov losses of a relativistic neutron in a conducting medium. 364612
Paridaens, R.
Phagocytosis-induced ^{45}calcium efflux in polymorphonuclear leucocytes. 354830
Pariente, M.
Equilibrium field and current determination for Tokamaks. (EUR-CEA-FC – 821) 353511

Estimation of energies necessary to control the plasma position inside a Tokamak (Torus II). (EUR-CEA-FC - 902) 353512
Parijskij, G.B.
ESR study of trivalent iron salts effect on formation and transformation on free radicals during low-temperature γ-radiolysis of polymers. 365057
Parilis, E.S.
Auger-process in atomic collisions. 353326, 377093
Simulation of ion scattering by atomic chains on real solid surface. 368859
Parilis, Eh.S.
Multiple scattering of heavy ions on a two-atom molecule. (INIS-mf - 3915) 348712
Paris, J.
Kinetics of ligand exchange between a uranium(IV) β-diketonate and free β-diketone. 362233
Paris, P.C.
Treatment of the subject of tearing instability. (NUREG - 0311) 373250
Treatment of the subject of tearing instability. Final report. (PB - 270277) 370018
Paris, R.
UK irradiation experience relevant to advanced carbide fuel concepts for LMFBR's. 379727
Paris, R.D.
Comparative responses of thermoluminescent dosimeters in environmental monitoring situations. 371144
Pariseau, W.G.
Design aspects of the alpha repository: IV. Structural analysis of excavation geometries. Technical memorandum report RSI-0030. (ORNL/SUB - 4269/11) 352882
Thermoelastic/plastic analysis of waste-container sleeve. II. Influence of large displacements on sleeve loading. Technical memorandum report RSI-0017. (ORNL/SUB - 4269/1) 361127
Thermoelastic/plastic analysis of waste-container sleeve: III. Influence of salt strength on sleeve loading. Technical memorandum report (RSI-0018). (ORNL/SUB - 4269/2) 371207
Thermoelastic/plastic analysis of waste-container sleeve: IV. Air gap influence on hole closure. Technical memorandum report (RSI-0019). (ORNL/SUB - 4269/3) 371208
Parisi, A.F.
Diagnosis of acute myocardial infarction in patients undergoing open heart surgery: a comparison of serial myocardial imaging with cardiac enzymes, electrocardiography, and vectocardiography. 357646
Parisi, G.
Asymptotic estimates in quantum electrodynamics. 363790
Perturbation theory at large orders for a potential with degenerate minima. 358636
Parisis, G.
Inclusive V^0 production in anti pp interactions at 12 GeV/c. 353939
Paritskaya, L.N.
Peculiarities of void formation during mutual diffusion in "closed" shape samples. 378624
Park, C.G.
Comparison of ULF and VLF measurements of magnetospheric cold plasma densities. 370313
Longitudinal variations of very-low-frequency chorus activity in the magnetosphere: evidence of excitation by electrical power transmission lines. 351975
VLF wave activity during a magnetic storm: A case study of the role of power line radiation. 360207
Park, H.M.
Quantitative evaluation of rheumatoid arthritic activity with /sup 99m/Tc HEDP. 373682
Skeletal and reticuloendothelial imaging in osteopetrosis: case report. 373681
Park, J.F.
Bone tumors induced by inhalation of $^{238}PuO_2$ in dogs. 365453
Dose-effect studies with inhaled plutonium oxide in beagles. (BNWL - 2100(Pt.1)) 360329
Park, S.Y.
Charmed meson production in quark exchange model. 356403
Park, W.
Numerical simulation of Padua Eta-Beta reverse-field pinch. 348952
Parker, D.
Outlook following 'somnolence syndrome' after prophylactic cranial irradiation. 379075
Parker, D.J.
Intermediate-structure effects in the reaction $^{12}C(^{16}O, ^{20}Ne)^8Be$. 366966
Parker, E.F.
Effects of depolarizing resonances on a circulating beam of polarized protons during acceleration or storage in a synchrotron. 363187
Parker, H.S.
Influence of K_2O on the cerium oxide - ZrO_2 system. 357189
Parker, J.
Evidence for location of the site of accumulation for sub-lethal damage in Chlamydomonas. 349724
Parker, J.A.
Radionuclide left ventriculography with the slant hole collimator. 352118
Parker, J.C. Jr.
Effect of pelvic inflammatory disease on enteric complications following radiation therapy for cervical cancer. 362711
Parker, J.G.
Stress corrosion cracking in an 8% manganese austenitic steel. 349511
Parker, J.L.
Applications of the absorption-edge densitometry NDA technique to solutions and solids. (LA-UR - 77-1416) 358587
Measurement of special nuclear material concentrations in solution by absorption edge densitometry. (LA-UR - 77-2235) 363733
Parker, J.R.
Avalanche transistor pulser for fast-gated operation of micro-channel plate image-intensifiers. (LA-UR - 77-2402) 379988
Parker, J.W.
Nanosecond time-resolved spectroscopy of the n = 2 levels in a high-pressure He discharge. 358773
Parker, L.
Effect of graviton creation in isotropically expanding universes. 355773
Infrared divergences in a class of Robertson-Walker universes. 359085
Quantized gravitational wave perturbations in Robertson-Walker universes. 372167
Parker, N.L.
Streak camera recording of interferometer fringes. (UCID - 17531) 377505
Parker, P.G.
Project scheduling. 358154
Parker, R.G.
Particle radiation therapy. Experimental basis and clinical application. 357600
Parker, R.H.
Application of nuclear techniques for measurements near Jupiter. 377641
Parker, R.O.
Laminar heat transfer data with a step-varying wall heat flux. 352446
Parker, R.R.
Compact high-field ignition test reactor (HFITR) using bitter magnets. 377375
High-density discharges in the Alcator tokamak. 368947
Parker, S.I.
Electron-muon and electron-hadron production in e^+e^- collisions. 366879
Ratio of neutral-current to charged-current cross sections for inclusive neutrino interactions in hydrogen. 351220
A search for neutral heavy leptons. 356514
Parker, W.C.
Electrostatic collection of (n,lambda) recoil products in an azeotropic dielectric system. (INIS-mf - 4127) 364087
Parker, W.O. Jr.
FEA studies: what did they yield. 363699
Parkes, E.J.
Slowly varying nonlinear waves in a cold plasma stream. 368953
Parkey, R.W.
Radionuclide cardiography as a determinant of cardiac performance for patients in a cardiac intensive care unit. 354962
Parkhaeva, T.N.
Dissolution of uranium oxides in gamma radiation field. 373050
Gamma radiation effect on solubility rate of uranium oxides in sodium carbonate solutions. 362261
Parkheta, R.G.
On boride layers stability in hydrogen. (INIS-mf - 4046) 370021
Specific features of silicide coatings formation on molybdenum. (INIS-mf - 4046) 369870
Parkhomchuk, V.V.
Instability of a bunched proton beam interacting with an ion track. 357953
Parkhomenko, A.A.
Radiation hardening of Ni, V, Fe and their alloys following high-energy electron irradiation. (KFTI - 75-35) 354631
Parkhomenko, V.S.
Determining trace amounts in oils using neutron activation method. 367355
Parkhomov, A.G.
Technique for measuring the rate of defect formation in semiconductor materials under neutron irradiation. (Soviet patent document 440104/A/) 350369
Use of semiconductor detectors for dosimetry in intense neutron and gamma fields. 376639
Parkin, D.M.
Measurement of the depolarization rate of positive muons in copper and aluminium. 358874
Parkinson, G.M.
The radiation-induced topotactic conversion of di-para anthracene to anthracene: an electron microscopic study. 373079
Parkinson, T.F.
Determination of fluorine by neutron activation analysis. 364884
Parkos, G.R.
Gamma scan measurements at Zion Station Unit 2 following Cycle 1. Final report. (EPRI-NP - 509) 379661
Parks, A.D.
Electron impact excitation cross sections for complex ions. III. Highly charged ions with three valence electrons. 368689
Observations of neutral composition and related ionospheric variations during a magnetic storm in February 1974. 360193
Parks, C.E.
One-Third-Scale Air - Water Pump Program, alternate analytical pump performance data. (EPRI-NP - 385(Vol.1)) 379308
One-Third-Scale Air - Water Pump Program, LOCA and pump overspeed analyses. Final report. (EPRI-NP - 474) 379260
Parks, E.K.
Collision-induced ion-pair formation of the thallium halides TlF

and Tl_2F_2 . 358803
Parks, G.K.
Characteristics of magnetospheric particle injection deduced from event observed on August 18, 1974. 370306
Parks, L.A.
Mass and beta decay of ^{59}Mn . 351401
Quadrupole effects in the elastic scattering of ^{10}B, ^{11}B and ^{12}C by ^{27}Al. 354248
Study of the decay of the new neutron-rich isotope titanium-53 using fast pneumatic target transfer systems. 362087
Parks, N.J.
Cyclotron production of ^{13}N compounds for environmental and biological research. 378481
Parks, P.B.
Method for generating neutronic data bases for transient reactor calculations. 374285
Model of an ablating solid hydrogen pellet in a plasma. 371984
Parks, R.D.
Magnetic and electric properties of cerium-based alloys: the effects of the valence transition. 357297
Spin dynamics in the mixed valence alloy Ce/sub 1ts-tsx/Th/sub x/. 359985
Parks, S.
Electric field sensor studies. (SAND – 77-0502C) 363729
Parlag, A.M.
Experiments on the water-oil contact repulsion on a model of a well using $C^{13}(\gamma,n)C^{12}$ reaction. (KIYI – 76-19) 349642
Parlagreco, J.R.
AERIN: a computational version of the ICRP lung model. (UCID – 17000) 362752
Parlange, F
Tokamak discharges in Petula with alumina chamber. (INIS-mf – 3963) 371737
Parlange, F.
Experimental evidence of ion heating by transit time magnetic pumping. 353516
Parlant, G.
Metastable-state analysis of a noble-gas ion beam through neutralization-reionization double-collision translational spectroscopy. 353228
Translational spectroscopy of neutralization-reionization double-collision processes of Ar^+ ions at keV energies. 353229
Parlee, N.A.
Separation of zirconium – hafnium by nitride precipitation. (US patent document 4,036,637/A/) 362117
Parlier, B.
A $1m^2$ gamma ray spark chamber telescope for the energy range 10-100 MeV. 379929
Parlinski, K.
Neutron scattering on liquid He^4 at high momentum transfers. 364451
Parmar, M.L.
Viscosities of solutions of cadmium halides in aqueous acetone. 367071
Parmeggiani, A.
Pressure bursts due to power channel explosion in a pressure tube reactor. 376551
Parnell, G.
Modified variational method for scattering. 366365
Parnianpour, H.
Past, present, and future radiation protection trends in Iran. 352296
Parnovskij, S.L.
Effect of viscosity on evolution of the universe; Bianchi type 2. 377642
Parodi, P.C.
Reaction to diseases of six gamma-irradiated genotypes of wheat (Triticum spp.). 373726
Parodo, A.
The choice of a biological model in assessing internal dose equivalent. 360330
Paromova, M.V.
X-ray study of barium tantalate $Ba_3(TaO_4)_2$. 378366
Paroth, N.
Investigation of the fuel-rod-behavior during the blowdown-phase of a loss-of-coolant-accident. (KFK – 2435) 358178
Parpiev, N.A.
Study of dithiocarbamides of zinc and cadmium acetates by means of infrared spectroscopy and differential thermal analysis. 354341
Parpieva, G.
Phenol and quinone content in plants with different radiosensitivity. 362654
Parr, H.
Field dependence of the superconductive penetration depth in In and dilute InBi. 357312
Parr, R.G.
Statistical atomic models with piecewise exponentially decaying electron densities. 358851
Parr, T.P.
Collisional energy dependence of Penning ionization and dissociative fluorescence of CS_2 by metastable argon. 368630
Crossed molecular beams kinetics: BaO recoil velocity spectra from $Ba + N_2O$. 350667
Parrinello, M.
Charge fluctuation spectra at very long wave-length in ionic fluids. 364018
Parrini, G.
Application of the Hanbury-Brown and Twiss interferometry to the production of like pions in πsup(-)p collisions at 11.2 GeV/c. 353777
Cross-sections and multiplicity distributions for π sup(-)p interactions at 11.2 GeV/c. 369278
Parrish, J.A.
Effects of indomethacin on long-wave ultraviolet-induced delayed erythema. 360290
Parrish, W.H.
Regulated particle-delivery system for vacuum furnaces. 360590
Parry, G.W.
An operator representation of failure and repair. 374171
The use of regeneration diagrams to solve component reliability problems. 374532
Parshad, Omkar
Thyroid harmones in yolk and their role in chick embryogenesis. 352068
Thyroxine secretion rate during growth in different types of poultry birds. 352119
Parshad, R.
Fission track etching and annealing of tourmaline. 352819
Parshikura, S.N.
Observation of possible production and decay of short-living heavy neutral particles in the SKAT neutrino experiment. 353930
Parshin, A.M.
Chromium-molybdenum-vanadium steel embrittlement during tempering. 370006
Parshin, M.D.
Gamma radiolysis of aqueous solutions of dimethylamine. 365035
Parshutin, V.V.
Macrokinetic features of tungsten anodic dissolving in alkali solutions. 349406
Particularities of anodic dissolution of rhenium in neutral and alkaline solutions at high current densities. 378245
Parshutov, V.T.
A circulation neon purification system for spark chambers. 357915
Parsignault, D.R.
Observations of Cygnus X-1 in its two intensity states by ANS. (CONF-7510169 –) 364393
Observations of Cygnus X-3 by ANS. (CONF-7510169 –) 364392
X-ray spectroscopy with the ANS satellite. (CONF-7510169 –) 364401
Parsley, W.B.
Shielded scanning electron microscope for radioactive samples. (CONF-770735 – 1) 356937
Parson, J.M.
Crossed molecular beam study rotational excitation of HD(J = 0 → 1) in collisions with He. (LBL – 6214) 358737
Parsons, P.D.
The oxidation kinetics of zirconium alloys applicable to loss-of-coolant accidents. (ND-R – 7(S)) 373251
Parsons, S.B.
Skylab SO19 ultraviolet spectra of HD153919 (=3U1700-37) and HDE226868 (=Cyg X-1). (CONF-7510169 –) 364355
Spectral calssification with objective-prism spectra from Skylab. 369102
Parsons, S.O.
Human factors engineering for nuclear power plants. 358159
Human factors in the nuclear control room. 365837
Partain, C.L.
Cerebrospinal fluid kinetics in normal human volunteers via radionuclide imaging and mathematical modelling. 354952
Parthasaradhi, K.
Photoelectric interaction around the K edge. 361382
Parthasarathy, K.L.
Indium chloride bone-marrow scanning in advanced prostatic carcinoma. 357635
Parthasarathy, K.S.
Collection efficiency of Wathman GF/A filter for short-lived decay products of Rn 222. 360662
Parthasarathy, S.
Isolation of Saccharomyces cerevisiae mutants defective in acyl coenzyme A synthetase. 373767
Parthe, E.
Structures of the rare-earth-platinum compounds R_7Pt_3, R_2Pt, R_5Pt_3 and RPt. 369986
Y_3Ni_2: a new tetragonal phase with Ni-centred trigonal prisms. 357298
Parton, V.Z.
Study of the crack growth arrest in laminated metal composites. 375852
Partovi, M.H.
Magnetic support against gravitational collapse: A static axisymmetric interior solution of the Einstein-Maxwell equations. 372112
Partridge, J.A.
Treatment and immobilization of intermediate level radioactive wastes. (HEDL-SA – 1244) 363648
Partridge, R.B.
Detection of intergalactic gas in distant, rich clusters. 364359
Observational cosmology. 356301
Partsakhashvili, G.L.
A technical test facility for the production of the isotope ^{18}O. (KFK-tr – 542) 376233
Partuchnyj, V.M.
Determination of limesonte quality by x-ray radiometric method using "BRA-6" apparatus. 349156
Parus, I.
On-line control of nuclear fuel reprocessing. 375748
Parus, J.
Determination of plutonium in the presence of uranium by alpha spectrometry. (INR – 1478/22/C/C) 375300

Determination of radiolytic decomposition of tributylphosphate using ^{95}Zr and ^{95}Nb isotopes. 349362
Parusnikov, B.V.
New possibilities of yttrium, europium, samarium and gadolinium determination by luminescent method. (INIS-mf – 4192) 375229
Paruthi, Suman
Relative abundances of low energy cosmic ray nuclei of z greater than or equal to 7 using plastic detectors. 366710
Parvez, A.
Analysis of sensitivity of PWR fuel cycle costs to uncertainties in nuclear data. (BNL-NCS – 22500) 358209
Assessment and evaluation of sodium cross sections on the basis of integral flux measurements. (BNL-NCS – 22500) 356543
Assessment of ENDF/B-IV data for ^{238}U. 356853
Parvulescu, C.
Further possibilities with Pb-targets for synthesizing super-heavy elements. 364775
Paryzek, R.
Safety of high-parameter sodium loop. 379290
Parzen, G.
ISABELLE closed orbit correction system. 363312
Possible effects of lowering the periodicity in ISABELLE. (BNL – 50611) 357982
Reducing β/sub x/ and X/sub p/ by the use of a split quadrupole lattice. (BNL – 50742) 379497
Parzhitskij, S.S.
Angular distributions of gamma rays emitted in the analog decay of ^{61}Cu. 359502
Angular distributions of gamma rays from decay of ^{63}Cu analogs. 375186
Gamma decay of ^{59}Cu resonances. 375187
Parzyck, D.C.
Regional Studies Program annual report, January 1 through December 31, 1976. (ORNL-TM – 5838) 362841
Pasal'skij, B.K.
Radiation action with LET on cellulose esters. 375707
Study of LET radiation effect on radiolysis and chemical stability of polycarbonate. 369799
Pascal, D.
Low and high frequency applications of an easily made thin film superconducting quantum interference device (Squid). 360615
Pascale, J.
Excitation transfer in thermal collisions of Na (4 ^{2}D) and ground state rare gas atoms. 353327
Excitation transfer in thermal collisions of Na(4 ^{2}D) and ground state rare gas atoms. 377094
Pascali, R.
Corrosion resistance of tubes for PWR steam generators. 362294
Pascard, R.
French advanced fuels development program. 379800
Pascaud, C.
Search for strangeness changing neutral currents induced by neutrinos in GARGAMELLE. 361875
Study of neutrino proton elastic scattering in the 'Gargamelle' freon experiment. 377821
Pasch, J.
Waste water disinfection by means of high-energy UV irradiation. 367651
Paschall, R.K.
Hydraulically supported absorber balls shutdown system for inherently safe LMFBR's. (CONF-761001 – P2) 363017
Paschoa, A.S.
Morro do Ferro. (PUC-TN – 1/77) 352079
Paschoal, J.O.A.
Corrosion of cladding materials in GCFR containing impurities in the coolant. 351676
Paschos, E.A.
Mixing of states containing heavy quarks. 366861
Neutral currents. 351188
Pascual, R.
Higher-order epsilon terms in the triple-Regge region. 371419
On the duality in the photoproduction of resonances. 353885
Topological cross section in the perturbative Reggeon calculus. 372468
Pasechnik, M.V.
Aluminium-yttrium garnet phonon spectrum. 361480
Lattice phonon spectrum of zirconium dioxide and solid solutions on their base. 348857
Phonon spectrum of aluminium-yttrium garnet. (INIS-mf – 3955) 377306
The phonon spectrum of NaI crystal. 348856
Scattering of neutrons on even Cr, Fe, Zn isotopes in the energy range from 1.5 to 3.0 MeV. (INIS-mf – 3897) 356809
Pasechnik, V.M.
Comparative study of the absorbed dose rate of mixed gamma and neutron radiations in the WWR-M reactor experimental channel for biological studies. 379381
Pasechnikov, A.M.
New high-current relativistic electron beam accelerators at the I.V. Kurchatov Institute of Atomic Energy. (IAEA – 200) 364164
Pasha, M.
Method and composition for removing iodine from gases. 362332
Pashchenko, A.B.
Analysis of neutron cross sections of nickel and chromium isotopes in the fast energy range. (INIS-mf – 4043) 361966
Pashchenko, Eh.N.
Determining aluminium microquantities in alloyed steels. 356961
Pashchenko, V.P.
Kinetics and mechanism of solid-phase reactions of formation of yttrium ferrite with garnet structure. 369687
Pashchenko, V.S.
Technological potentialities of sheet forging using ultrasonic waves. (INIS-mf – 3914) 349416
Pashchuk, I.P.
Intracentre luminescence of $SrCl_2$-Pb single crystals. 361481
Pashichev, V.V.
Burnout mechamism in an annular dispersed flow regime at steam qualities lower than limit ones. (FEI – 648) 349973
Pashicheva, M.I.
Effect of the fast breeder concept on the reactor main characteristics and steam generation parameters. (FEI – 607) 358298
Pashinin, P.
Summary of laser-fusion experiments. (IAEA – 200) 353612
Pashinin, P.P.
Study of the acceleration of thin metal foils acted on by high-power laser emission. (IAEA – 200) 353518
Pashinin, V.I.
Development of radiation-chemical technology for production of rubber products using electron accelerators. (INIS-mf – 4194) 376286
Pashinkin, A.S.
Saturated vapor pressure of alkoxy-compounds of niobium and tantalum. 351509
Pashkevich, V.V.
Shape transitions in very neutron deficient nuclei of the lead region. (ZfK – 336) 364703
Pashkonene, R.-M.P.
Fluorimetric determination of iodides with xanthene dyes. (INIS-mf – 4191) 375323
Pashkov, A.F.
Asymptotic behaviour of hadron cross sections in the quark model with factorizability assumption. (JINR-R – 2-10490) 349077
Hypothesis of factorizability in the quark model and large-angle elastic scattering of hadrons. 369322
Pashkov, G.L.
Method for iodine extraction. (Soviet patent document 300058/A/) 375587
Pashkov, P.T.
Optimization of an intensive beam passing through the critical energy in a proton synchrotron. 357955
Pashkova, A.V.
Systems formed by Ag, In and Sc tungstates. 364997
Systems formed by Tl, In and Sc tungstates. 364996
Pashkovskij, M.V.
Mercury telluride as a zero-gap semiconductor. 374674
Pashnev, A.I.
Duality and quarks. (JINR-D – 1,2-9342) 356465
On Goldstone particles and the Adler principle in dual models. (JINR-D – 1,2-9342) 356466
Spontaneous vacuum transitions in the Nephew-Schwarz dual model. (JINR-D – 2-9788) 376952
Spontaneous vacuum transitions in the Nevier-Schwartz dual model. (JINR-D – 1,2-9342) 356467
Pashnina, E.P.
Theoretical investigation of uranium ions luminescence in crystals of different symmetry. (INIS-mf – 3955) 377261
Pashuk, I.P.
On luminescence of $SrCl_2$-Eu^{2+} single crystals. 350967
Paskal', L.P.
Copolymerization of N-acetylallylamine with monomethyl maleinate under the effect of Co^{60} γ-radiation. 351633
Paskalev, P.
Property changes in low-carbon steel after irradiation with neutrons. 373375
Paskhalov, Yu.I.
Successive approximations method in electron-photon shower theory. 362607
Paskievici, W.
Engineering personnel. 363745
Pasler, H.
Post-accident recirculation filters for removal of fission products from the atmosphere of the safety containments. (KFK – 2435) 357917
Pasotti, G.
A new approach to the cooling of superconducting magnets for fusion reactors. 358997
Pasquier, J.
Dual isotope scintiscanning (iodine and selenomethionine). Detection of thyroid cancer in aged patients. 354960
Passatore, G.
Dispersion relation analyses of the energy dependence of the optical potential. 356642
Nuclear optical model potential. 356578, 356584, 356601, 356607, 356613, 356614, 356625, 356641, 356642, 356704
A sketch of the various formulations of the theoretical optical potential for scattering processes. 356641
Passerat, A.
An heavy ion source utilizing plasma acceleration by electron cyclotron resonance designed for etching operations. 370676
Passino, E.M.
Citizens' views about the proposed Hartsville Nuclear Power Plant: a survey of residents' perceptions in August 1975. (ORNL/TM – 5801) 349904
Passuello, D.
A new fast and programmable trigger logic. 371097
Pastare, S.Ya.
Determination of copper and rhodium trace amounts in niobates. (INIS-mf – 4188) 378146

Pasternack, B.S.
The beta dose to critical human tumor sites from krypton-85. 370399
Breast neoplasms in women treated with x-rays for acute postpartum mastitis. 362708
Pasternak, A.A.
Lifetimes of ^{54}Mn excited states. 378027
Lifetimes of ^{64}Zn levels populated in the ^{51}V(^{16}O,p2nγ) reaction. 375147
The lifetimes of excited levels in ^{67}Zn, ^{69}Ge, and ^{72}Se. (ZfK – 336) 364792
Lifetimes of 4^{+} and 6^{+} quasi-rotational states of ^{64}Zn and their population effective time in the ^{51}V(^{16}O, p2nγ)^{64}Zn reaction. 378030
Quasi-rotational bands in ^{80}Kr. (ZfK – 336) 364769
Pasternak, A.W.
Cooperative Thomson scattering from plasma with pulsed CO_2 laser radiation. 356147
Pasti, P.
Spectral properties of positive operators and j plane singularities of multiperipheral dynamics. 361248
Pasto, A.E.
Processing requirements for property optimization of Eu_2O_3-W cermets for fast reactor neutron absorber applications. (CONF-771137 – 1) 373303
Pastor, S.D.
Radiation polymerized hot melt pressure sensitive adhesives. (US patent document 4,052,527/A/) 373080
Pastore, F.
The s-dependence of double diffraction dissociation of protons at the CERN Interscting Storage Rings. 369373
Study of charge-exchange double dissociation of protons at the CERN Intersecting Storage Rings. 369374
Pastore, F.H.
Search for narrow resonant states in e^{+}e^{-} collisions near 6 GeV. 351208
Pastorek, R.
Complexes of lanthanum with 2,2-bipyridin-N, N-dioxide. 357047
Pastrone, J.A.
Automated sample-processing and titration system for determining uranium in nuclear materials. (UCRL – 52351) 380122
Pastukhov, Eh.A.
Structure of the V_2O_5-Cu_2O and V_2O_5-PbO melts. (INIS-mf – 4193) 375506
Pastukhov, V.P.
Decay instability in mirror trap. 348953
Stabilization of the drift-cone instability (DCI) by low-energy ions. (INIS-mf – 3963) 371901
Pastukhov, V.V.
Rolling of molybdenum bars on mills with multi-roll passes. 359864
Rolling of nickel base hardly deformable alloys in four-roller mills. 351723
Rolling of tungsten base cermet in four-roll grooves. 351849
Pastukhova, Zh.P.
Structure and properties of beryllium bronze after stress aging. 378623
Pastushkov, V.G.
On the high-temperature interaction of Zr+1% Nb alloy with compacted uranium dioxide. 359967
Pasupathy, K.
Changes in amino acid composition of proteins in gamma-irradiated Tetrahymena pyriformis cells. 367467
Pasynskij, A.A.
Synthesis and magnetic properties of the vanadium carboxylate complexes. 369621
Pasyuk, A.S.
Device for pulsed gas feed. (Soviet patent document 434509/A/) 350067
Patalakha, D.I.
Wire proportional chambers in an intensive particle beam. 371108
Patani, A.A.
Temperature dependence of bound state spectra in field theory. 353107
Patankar, S.V.
Analysis of melting in the presence of natural convection in the melt region. 368881
Pataraya, A.D.
Collisionless shock wave structure stipulated by Bernstein's modes. (INIS-mf – 3255) 353570
Modulated waves propagating in the collisionless multicomponent plasma. (INIS-mf – 3255) 353613
Patel, B.
Desorption of radioactivity from the nearshore sediment. 355003
Patel, G.D.
A search for the I peak at 2.60 GeV/c^2 in 12 GeV/c anti pp interactions in the CERN 2m HBC. 377781
Patel, K.B.
Critical residues in D-amino acid oxidase. 365342
Patel, L.A.
Effect of self-focusing on scattering of a laser beam in a collisional plasma. 377506
Ion-acoustic solitons in an electromagnetically irradiated magnetoplasma. 368982
Patel, M.R.
Irradiation creep of stainless steel in bending. 360109
Patel, R.J.
Ion clustering process of Ne^{+}. 368639
Patel, S.
Desorption of radioactivity from the nearshore sediment. 355003
Patel, V.L.
Solar-terrestrial physics, ch. 14. 370307
Patel, V.M.
Hydrogen catalysis of alkyl radical decay in single crystalline polyethylene. 373081
Patenaude, D.J.
BD – 3^{0}5357: an eclipsing binary with a hot subdwarf component. 356221
Pater, I. de
Computations on the interaction of an interplanetary shock with the Earth's magnetosphere. 367435
Patermann, C.
The new U.S. Department of Energy. 376844
Paterno, L.
Convection in a rotating deep compressible spherical shell: application to the Sun. 366666
Paternoster, R.R.
Application of gaseous core reactors for transmutation of nuclear waste. (CONF-760646 –) 374138
Paterson, J.A.
Design and development of multi-megawatt beam dumps. (LBL – 5901) 367969
Update on the development of 120-keV multi-megawatt neutral beam source. (LBL – 5900) 365745
Paterson, J.M.
D meson production and decay in e^{+}e^{-} annihilation at 4.03 and 4.41 GeV c.m. energy. 353989
K^{0} production in e^{+}e^{-} annihilation. 353983
Properties of the proposed tau charged lepton. 356517
A search for neutral heavy leptons. 356514
Spin analysis of charmed mesons produced in e^{+}e^{-} annihilation. 351228
Pathak, B.P.
Independent yields of indium and gallium in the proton induced fission of natural uranium. 359469
Pathak, K.N.
Collective excitations in simple liquids. 371658
Pathak, L.P.
Debye-Waller factors of BCC transition metals. 371659
Pathak, R.S.
Heat transfer by magnetohydrodynamic laminar flow in circular pipe. 350766
Patheiger, M.
Method to harden coating masses made of unsaturated polyesters and partly polymerizable monomers by UV irradiation. 376290
Polyester moulds and coating substances to be hardened by UV-irradiation. 354422
Pathria, R.K.
Bose-Einstein condensation in a three-dimensional system at constant pressure. 350489
Critical velocity in superfluid helium. 351106
Pati, J.C.
Are SLAC (μe)-events decay products of integer charge quarks. 361840
Dilepton production in pp and anti pp collisions as a probe to the nature of the neutral current interaction. 372460
Natural left-right symmetry, atomic parity experiments and asymmetries in high energy e^{+}e^{-} collisions in PETRA and PEP regions. 361839
Unification and liberation of quarks and leptons. 351189
Pati, S.R.
Light water reactor fuel rod modeling code evaluation. Phase II topical report. (CENPD – 218) 379620
Paticj, D.
Investigation of the internal structure of temperature gradient in the ground layer atmosphere. 373469
Patigny, J.
Transient conditions of district heating systems. 376312
Patil, R.N.
Emission spectra of yttrium vanadate doped with bismuth and dysprosium. 349597
Patil, S.F.
A radiotracer study of the kinetics of ion exchange reaction, RI + Isup(*-) reversible RIsup(*)+ I^{-}. 375543
Patil, S.H.
Are screened Coulomb potentials amenable to perturbation. 371517
Radiation-induced "bunchy top" mutant in groundnut. 376161
X-ray induced asynaptic mutant in ground nut Arachis hypogea L. 349818
Patil, S.K.
Aqueous coordination complexes of neptunium. (BARC – 907) 375653
Sulphate complexing of some trivalent actinides. 369760
Thiocyanate complexing of Np(IV) and Pu(III). 375654
Patil, T.N.
Distribution and excretion of α-naphthylthio-[^{14}C]urea in Albino rats. 367652
Patin, I.
The nuclear deformation of ^{148}, ^{15}+H0, ^{152}, ^{154}Sm determined from neutron scattering measurement. (INIS-mf – 3897) 356876
Patin, Y.
Analysis of dynamic effects in fission of ^{240}Pu at low energies. (INIS-mf – 3896) 356643
Analysis of experimental data on neutron reaction on carbon for the energy range to 20 MeV. (INIS-mf – 3897) 356779
Elastic and inelastic scattering of fast neutrons by even isotopes of silenium. (INIS-mf – 3897) 356815
Evidence for a rotational band in ^{24}Mg and its fragmentation: A rotation-vibration coupling. 372730
Study on the (n, n' γ) reaction for even isotopes of selenium and

germanium. (INIS-mf – 3897) 356881
Patiou, A.
Localisation of the passage of a charged particle in a multiwire proportional counter using electromagnetic delay lines. 355510
Patkos, A.
A non-abelian vortex-bond model of hadrons. 356453
A nonabelian vortex-bond model of hadrons. (ITP-Budapest – 366) 355819
Patnaik, P.K.
New sum rules for ππ scattering using Roskie's amplitudes. 349071
Patnaik, S.K.
γ-radiolysis of some redox systems. 349341
Radiation induced reactivity of solids. 378796
Patocka, J.
Charge asymmetry at large psub(T) in inelastic anti pp reactions at 22.4 GeV/c. 353943
Inclusive spectra in anti pp interactions at 22.4 GeV/c. 353941
Multiplicities and forward-backward correlations in anti pp interactions at 22.4 GeV/c. 366882
Patou, C.
Laser implosion. 358998
Patrascioiu, A.
Effect of fermions upon tunneling in a one-dimensional system. 371380
Pseudoparticle contributions to the energy spectrum of a one-dimensional system. 358657
Patrawale, P.N.
Study of levels in ^{121} ^{123}Sb by Coulomb excitation. 366991
Patrick, C.H.
Public health and demographic statistics. (ORNL – 5171) 367726
Trends in public health in the population near nuclear facilities: a critical assessment. 362994
Patrick, G.
The retention of particles in large airways of the respiratory tract. 365454
A 480-channel lead glass Cherenkov detector. 355498
Patrick, M.H.
Repair of UV damage in Escherichia coli under non-growth conditions. 352022
The role of DNA polymerase I in liquid holding recovery of UV-irradiated Escherichia coli. 352007
Patterson, B.
Muon spin rotation (μSR) in Gd. 378630
Patterson, B.D.
Depolarization of positive muons in Cu. 377172
Muon spin orientation (μSR) in ferromagnets and semiconductors. 377193
Muon spin rotation (μSR) in α-Fe_2O_3. 377194
Muonium states in silicon. 377195
Patterson, C.M.
The uptake and release of ^{18}F by rat liver. 365438
Patterson, C.W.
Alternative basis for the theory of complex spectra II. (UEC-S – 163/33/75) 363786
Patterson, D.R.
Advanced developments in boiling water reactors. 379638
Patterson, G.K.
Material accounting in a complex chemical processing unit: an application of estimation/detection. (UCRL – 79607) 374492
Patterson, H.W.
Multi-technique characterization of neutron fields from moderated ^{252}Cf and ^{238}PuBe sources. (UCRL – 79483) 370689
Patterson, J.A.
Nuclear fuel resources of the Pacific Basin. 361164
U.S. uranium supply and demand overview. 363708
Patterson, J.F.
Mixing vane grid spacer. (US patent document 4,039,379/A/) 363407
Nuclear fuel reactor. (German (F.R.) patent document 2602487/A/) 350143
Patterson, R.G.
Quality data systems. 376866
Patterson, W.
Nuclear AGRo breaks out again. 370600
Patterson, W.C.
Energy alternatives and energy policy – a UK viewpoint. 361145
The technological demands of nuclear power. 352273
Pattison, P.
Anisotropy in the Compton profiles of Nb and NbHsub(0.76). 350767
Pattnaik, P.C.
Theory of nuclear quadrupole interaction in hexagonal close packed metals: cadmium and zinc. 365165
Patton, D.D.
Detection of bronchopleural-subarachnoid fistula by radionuclide myelography: case report. 373661
Patton, H.G.
Damage history of Argus, a 4TW Nd-glass system. (UCRL – 80419) 377549
Experimental laser fusion devices and related vacuum problems. (UCRL – 79176) 358991, 368980
Optical engineering problems associated with construction of the Shiva Laser Fusion Facility. (UCRL – 80004) 361546
Patton, J.A.
Techniques for measuring regional and total-body bone mineral mass to bone function ratios. 354955
Patton, M.L.
Experiment data report for semiscale Mod-1 test S-28-2 (steam generator tube rupture test). (TREE-NUREG – 1149) 367787
Experiment data report for Semiscale Mod-1 test S-28-6 (steam generator tube rupture test). (TREE-NUREG – 1153) 373852
Patton, M.L. Jr.
Experiment data report for semiscale Mod-1 test S-06-1 (LOFT counterpart test). (TREE-NUREG – 1121) 357747
Experiment data report for semiscale Mod-1 Test S-06-2 (LOFT counterpart test). (TREE-NUREG – 1122) 357806
Pattyn, H.
Experimental investigation of the cross structure of damage cascades by means of ion implantation at different energies. (INIS-mf – 3996) 364081
Search for the vacancy annealing stage in heavy ion implanted bcc metals. (INIS-mf – 3996) 366458
Paty, M.
Concepts and models in particle physics. (CRN-HE – 77-16) 372470
Inclusive production from 10 GeV/c K^+ on nuclei and comparison with the same production on hydrogen. 353955, 369368
Strange particle production by antineutrinos. 356505
Patz, U.
The production of tantalum nitride resistance layers by sputtering. 368807
Patzelt, A.
Applied cryogenics for Kr 85 and xenon separation from the waste gas of reprocessing plants. 369837
Patzelt, P.
Mass-yield distributions in the reaction of ^{56}Fe ions with ^{238}U. 351410
Paul, A.R.
Release of iodine from sintered thoria pellets at low temperatures. 373370
Paul, B.B.
Light-like motions of particles in gravitational fields. 358665
Paul, B.S.
Effects of indomethacin on long-wave ultraviolet-induced delayed erythema. 360290
Paul, D.
Background of electron microscopic autoradiograms. 355570
Paul, D.A.L.
Positron annihilation in methane. 355900
Paul, E.
Evidence for a narrow width boson of mass 2.95 GeV. 372519
Inclusive anti K^{*0} (890) production in π^-p interactions at 16 GeV/c. 356507
Observation of the reactions $\pi^-p \rightarrow$anti pd at 10 and 16 GeV/c. 372520
Peripheral anti pn production and decay angular distributions in the reaction $\pi^-p \rightarrow$ (anti pn)p at 12 GeV/c incident momentum. (BONN-HE – 77-14) 366886
Production of phi and f' in 10 GeV/c K^-p interactions. 353959
Paul, G.
α-irradiation of the ion exchanger zirconium phosphate by loading it with Li6 and subsequent (n,α) reaction. 375940
Paul, G.L.
Location of hydrogen in α-zirconium. 367264
Paul, J.A.
An acceleration evaluation of the performance of the Soviet-French wide-gap spark chamber for gamma-ray astronomy. 368266
Paul, J.W.M.
Electron and ion heating by neutral injection in DITE tokamak. (INIS-mf – 3963) 353553
High-density discharges with gettered torus walls in DITE. 348912
Paul, M.
Particle-hole states in ^{42}K studied by the ^{44}Ca(d,α)^{42}K reaction. 356854
Paul, P.
Remeasurement of the ΔT = 1 γ-decay from the 16.6-16.9 MeV states in ^{8}Be. 362088
Stony Brook superconducting heavy-ion booster project. 363307
Paul, R.N.
INMACS – An approach to on-line nuclear materials accounting and control in a fuel fabrication environment. (AECL – 5902) 361215
Paul, W.
A magnetic storage ring for neutrons. 379504
Paulauskas, K.
Ultrasonic properties of potassium iodide solutions in the dioxane-water and dimethylformamide-water mixed solvents. 367119
Paulden, S.
UKAEA begins waste management research programme for Iran. 361099
Pauletta, G.
Alpha-alpha final-state interaction in the ^{6}Li(α,αd) reaction at 42 MeV. 354160
Pauli, E.
A study of πsup(+), πsup(-) and proton production in pp interactions at 69 GeV/c. 361867
Pauli, H.C.
Four lectures on fission. Fragments of a dynamic theory of collective motion in nuclei. 375132
Pauli, M.
Coulomb ionization of the K shell by heavy ion collisions. 377095
Pauli, W.
Pauli lectures on physics. II. Optics and the theory of electrons. 348608
Paulick, T.C.
Correlated pairing theory of liquid ^{3}He. 359210
Pauliny-Toth, I.I.K.
Surveys of radio sources at 5 GHz. 366739
Pauller, E.A.
Study of zirconium and hafnium extraction separation possibility using solutions with deficit of acid. 357238

Paulopoulos, P.
Study on antiprotonic atoms of light nuclei and isotopes. 371523
Pauls, R.E.
Chromatographic determination of the relative retention of isotopic species of oxygen in methanol and methan-d^3-ol. 357048
Paulus, D.D.
Calcifications and the therapeutically irradiated breast. 352050
Paun, C.
Effects of cobalt-60 gamma-irradiation in association with prostaglandin E_1 treatment on the cyclic AMP levels of some radiosensitive tissues. 367510
Pausescu, E.
Effects of cobalt-60 gamma-irradiation in association with prostaglandin E_1 treatment on the cyclic AMP levels of some radiosensitive tissues. 367510
Paustovski , A.V.
Ultrasonic machining of transition metals. 367220
Pautrat, J.L.
Electronic and optical parameters of an oxygen-related centre in ZnTe. 370171
Pautrat, M.
High spin states in lead isotopes with A between 193 and 199. (IPNO-PhN – 77-17) 359450
Pauwels, E.K.J.
Information exchange between a nuclear medicine computer system and a hospital information system, based on system integration. (INIS-mf – 4010) 363721
Labelled chloroquine analogs for the detection of ocular melanoma. (INIS-mf – 4010) 362227
Pauwels, R.
The measurement of total serum IgE levels in rats. 352169
Pavao, A.C.
Electronic structure of multiplets. 364537
Pavaras, A.Eh.
Austenite grain size in KhVG, KH12M, R18 – steels after single and double quenching depending on the initial billet soze. 357313
Pavel'eva, L.A.
Features of simultaneous discharge of tungsten with nickel and cobalt. 378317
Pavelescu, M.
Optimization of some eco-energetic systems. 380078
Pavelets, A.M.
Correlation of photoluminescence spectra and generation-recombination noises in CdS sintered layers and determination of radiation centers parameters by a noise method. 371638
Pavelle, R.
Indicial tensor manipulation on MACSYMA. 353044
Paver, N.
Low-energy $\pi\Delta$ photoproduction and the Δ N axial- transition vertex. 359229
Optimal techniques for the extrapolation of SU_2 violating πnucleon amplitudes. 353080
Pavese, P.
Small changes in the atmospheric electric field from extensive air showers. 365318
Pavisic, F.
Clinical evaluation of the new mathematical lung model for sup(81m)Kr inhalation. (INIS-mf – 4010) 367713
Pavkovic, M.
Diquarks as an explanation for psi's R, and everything else. 353886
Pavlenco, G.F.
Transient analysis of the primary system of a liquid metal-cooled fast breeder reactor plant. 362995
Pavlenko, O.P.
On the form of light nuclei in the translational invariant shell model. (ITF – 76-148 – R) 377925
Pavlenko, V.A.
Charged particle analyzer. (Soviet patent document 433435/A/) 355490
High-resolution nmr radiospectrometer. (Soviet patent document 490002/A/) 350364
Pavlenko, V.N.
Spatial echo in a semibounded magnetoactive plasma. 361606
Pavlenko, Yu.G.
Induced synchrotron radiation. 348609
Synchrotron radiation in a medium with account of polyarization and spin effects. 374588
Pavlenko, Z.D.
Sigma-phase in the Fe-Cr-Mn-alloys. 349534
Structure and phase composition of the Fe-Cr-Mn-alloys. 367274
Pavlicek, Z.
Calibration light sources for scintillation techniques. 371123
Pavlichenko, O.S.
Anomalous electrical conductivity and turbulent heating of plasma in closed magnetic traps. (KFTI – 74-36) 348905
Electron thermal conduction of current-carrying plasma in stellarators. (KFTI – 74-36) 348976
Energy spectra of excited atoms produced by electron impact dissociation of H_2 and D_2 molecules. 368692
Kinetic energy distributions of excited H and D atoms produced by electron impact on H_2O and D_2O molecules. 368691
Particle confinement in hf-heated plasma in the Uragan-2 stellarator. (INIS-mf – 3963) 371814
Pavlidis, P.
Nature of dislocation loops in As-implanted and postannealed Si wafers. 351903
Pavlij, M.A.
Production of H^- ions while proton charge exchange at 0,3-1,0 KeV in thick jets of Cs and Na vapors. (INIS-mf – 3915) 371455
Pavlijchuk, G.A.
Electroslag remelting effect on the weldability of chromium-nickel steel-Kh16N15. 359875
Pavlik, J.R.
Interactions of LMFBR core debris with concrete. (CONF-761001 – P4) 362857
Studies of the formation and cooling of particulate fuel debris beds in sodium. (CONF-761001 – P4) 363016
Pavlik, L.
Application of ^{75}Se γ-γ coincidences instrumental determination of selenium. (INIS-mf – 4143) 372938
Pavlin, P.A.
Tunneling and avalanche processes in CdTe electroluminescent diodes. 348804
Pavlina, V.S.
Effect of prestrain on time and temperature dependence of the Kh18N10T steel strength. 365166
Residual stresses in a plate with a diffusion coating taking into account phase transformations. 375872
Pavlinov, L.V.
Diffusion in binary and multicomponent iron base alloys in α- and γ-solid solution portion. (FEI – 570) 349512
Pavlinskij, G.V.
Method for the X-ray fluorescence analysis of suspensions. (Soviet patent document 448374/A/) 360581
Pavlitchenkov, A.V.
On the study of the double Fourier transforms of the electron wave functions for atoms, molecules, and solids using the (γ,2e) and (e,3e) processes at high energies. 353317, 366360
Pavlitskaya, E.D.
Late morphological and functional changes in thyroid gland following radioiodine damage and associated with external radiation. 367608
Pavlopoulos, P.
Evidence for bound states in the anti pp-system. 377811
Evidence for narrow bound states related to the panti p system. 377817
High-spin states and neutron multiplicities after pion capture in ^{181}Ta and ^{209}Bi. (INIS-mf – 4267) 377966
Measurements on light antiprotonic atoms. 376976
Pavlov-Verevkin, B.S.
Isotherm of deactivation in the cocrystallization of a radioelement with low-soluble precipitates formed during coagulation process. 359757
Pavlov, A.N.
A simple method for calculating correlation corrections for internal atomic levels. 358850
Pavlov, E.A.
Fabrication of sheets of composite materials with brittle filament without destructing them during rolling. 357227
On determination of optimum reductions during sheet rolling of composite materials. 357237
Pavlov, G.G.
Coulomb deceleration of fast protons in a strong magnetic field. 376933
Photon absorption and emission in Coulomb collisions in a magnetic field. 350916
Pavlov, I.E.
Solubility of hydrogen in zirconium oxycarbides, oxynitrides and oxycarbonitrides. 364982
Pavlov, L.S.
State and prospects of domestic radioisotope instrument-making in the field of control and measurement of concretes and soils density. 349947
Pavlov, N.M.
Paramagnetic defects in germanium irradiated with neutrons. 348782
Pavlov, P.V.
Diffusion-coagulation model of accumulation of radiation-induced defects under ion bombardment of silicon. 348828
The effect of stationary force fields on the concentration and distribution of radiation damage in atomic collision cascades. (INIS-mf – 3996) 364088
On dependence of cross sections of ion elastic stopping on the target atom number. 348657
Some problems of atomic collision physics in application to ion implantation. (INIS-mf – 3996) 364089
Pavlov, V.A.
Slip geometry during niobium-molybdenum monocrystal expansion. 370011
Temperature dependence of yield strength and slocational structure of niobium-molybdenum solid solution monocrystals. 370012
Pavlov, V.G.
Estimate of the self-diffusion coefficients for selenium and tellurium using viscosity data. 349468
Pavlov, V.I.
Optimum modes of power control in a power plant reactor. 374188
Pavlov, V.M.
Calculation method for radiative capture gamma-quanta distribution in a homogeneous medium irradiated pulse neutron flux. 357474
Pavlov, V.N.
A combined ^3He-^4He dilution refrigerator. 376323
Experience in application of electric radioisotopic injector ERI-1 to study pumping wlls in the Samotlorskoe field. 349662
Pavlov, V.S.
Production of pure rare earth metals. 375783
Recrystallization of yttrium and dysprosium. 378704

Pavlov, Yu.A.
Some problems of recoil-atom implantation theory. (INIS-mf – 3996) 364050
Spreading of iron-nickel alloys on ZrC and nickel-cobalt alloys on ZrN. 349475
Study of the interaction between intermediate vanadium oxides and carbon. 369688
Pavlova, A.I.
Spectral analysis of heat resisting alloys smelted in vacuum arc furnaces. 364872
Pavlova, A.M.
Using organic photosensitizers in iodine generation for its photochemical titration. (INIS-mf – 4192) 375443
Pavlova, G.L.
Improvements in or relating to power plant coolant. (UK patent document 1489171/A/) 365815
Pavlova, G.P.
Particle confinement in hf-heated plasma in the Uragan-2 stellarator. (INIS-mf – 3963) 371814
Pavlova, L.M.
Calculation of dissociation degree using liquidus curvature of congruently-fusing compounds by approximating the theory of regular solutions. 359605
Determination of the H^3-mexamine content in the organism and liver cells of mice. 360271
Evaluation of dissociation degree of congruently melting compounds on the base of the theory of regular solutions considering concentration-temperature dependence of mixing energy. 364949
Evaluation of positional component of entropy of fusion of semiconductor compounds considering their dissociation at fusion point. 349427
Identification and quantitative determination of gammaphos metabolites in mice urine. 360261
On the diffusionless crystallization in Ge – A^3B^5 systems. 359606
Pavlova, M.
Determination of rhenium in molybdenum, tungsten and vanadium alloys after preceding extractive separation with N-benzoyl-N-phenylhydroxylamine (BPHA). 349183
Pavlova, N.N.
Study on the structure of the even-even iron isotope surface by the Blair phase shift method. 375195
Pavlova, O.S.
Scattering of a free electron by a force center. 358664
Scattering of fermions on an arbitrary central force field. 361286
Pavlova, T.M.
Study of temperature dependence of thermodynamic properties of aluminium, gallium and indium tellurites. 365013
Pavlova, V.L.
Synthesis and structure of aromatic and heterocyclic tellurium compounds. 369697
Pavlovic, P.
Search for magnetic monopoles. 377818
Pavlovich, P.
Cherenkov counters in antitritium search experiment. (JINR – 13-9318) 361067
Pavlovichev, A.M.
Some properties of calculation models for solution of problems on optimal fuel allocation in a reactor. (ITEF – 104) 374131
Pavlovskaya, T.E.
Action of x-radiation on the isolated nuclear membranes. 352008
Binding of oxygen upon irradiation of protein solutions of varying concentrations. 370318
Pavlovskaya, V.V.
Photoproduction of π^0 mesons on hydrogen at 320 MeV energy. 375058
Pavlovskij, A.I.
Ironless pulse betatron with magnetic cumulative generator feed. 350084
Measurement of plasma-focus x-radiation spectra with resolution in time. 374851
Study of the electron beam structure in a betatron by means of synchrotron radiation. 379512
Pavlovskij, A.P.
Injector with the field-emissive cathode for a betatron. 370754
Pavlovskij, M.N.
Electric resistance of shock-compressed ytterbium. 374759
Pavlushina, G.M.
Niobium foil – the material for electrolytic capacitors. (INIS-mf – 3839) 367284
Recrystallization diagram of rolled material fabricated of niobium produced by electrowinning. (INIS-mf – 3839) 365174
Pavlushkin, N.M.
Effect of composition and thermal treatment conditions on photochromic glass properties. 354595
Pavlutskaya, V.I.
Concentrating and separation of rare earths from mineral object solutions with new chelate sorbents. (INIS-mf – 4192) 375220
Pavlyuchenko, A.V.
Low-temperature properties of V_3Ge compound. 374760
Superconductivity of some alloys of Nb_3Ga-Nb_3Pt and V_3Ga-V_3Pt systems. 378662
Pavlyuchenko, M.M.
Kinetics of thermal decomposition of (Sr, Ca) CO_3 solid solutions. 378447
Pavlyuchenko, V.P.
Characteristics of cosmic hadron interactions. 361721
Pavlyukov, A.A.
Study of crystal structure and coercive force of Cosub(4)CuCesub(0.9) alloy. 369896
Pavsic, M.
Black holes and tachyons. 364305
How to recover casuality for tachyons even in macrophysics. (IC – 76-96) 361305
A new unified approach to bradyons and tachyons by conformal transformations. 353132
Pawar, B.V.
Emission spectra of yttrium vanadate doped with bismuth and dysprosium. 349597
Pawar, S.
Desorption of radioactivity from the nearshore sediment. 355003
Pawar, S.H.
Dependence of a TL glow peak intensity on irradiation dose in CaS:Pd phosphors. 375950
Pawel, R.E.
Zirconium metal-water oxidation kinetics. IV. Reaction rate studies. (ORNL/NUREG – 17) 357740
Zirconium metal-water oxidation kinetics. V. Oxidation of Zircaloy in high pressure steam. (ORNL/NUREG – 31) 374217
Pawlak, L.
EPR spectra of Mn^{2+} ions in CdY_2S_4 and CdY_2Se_4 of spinel structure. 378367
Pawley, G.S.
Neutron powder diffraction from samples frozen with quartz wool: hexafluorobenzene. 361418
The structure of octofluoronaphthalene at high pressures investigated by neutron powder diffraction. (INIS-mf – 4094) 361457
Pawlik, E.V.
Magnetoplasmadynamic thruster applications. (CONF-760646 –) 374288
Pawlitzki, R.
Nuclear reactor control rod drive. (German (F.R.) patent document 1813293/B/) 355356
Pawlowski, K.
Neutronographic studies on crystaline structure of graphitic materials. 371623
Pawlowski, Z.
Alpha-ray spectrometer based on pulse chamber with four electrodes. 368314
Pawse, A.R.
Uptake of ^{32}P into tissue constituents of rats bearing Yoshida ascites tumour. 367640
Paxton, A.
Outlook following 'somnolence syndrome' after prophylactic cranial irradiation. 379075
Paxton, H.C.
Significance of accidental excursions. 359858
Paya, D.
Observation of rotational states before fission barrier for the $^{232}Th(n,f)$ reaction. (INIS-mf – 3896) 356715
Payen, J.P.
Shielding against neutron streaming in pressurized-water reactor. 367812
Payer, H.
Corrosivity of solutions from evaporation of radioactive liquid wastes. Final report. (ARH-C – 18) 358497
Payer, K.
Rate dependence on the alkane chain size in the hydrogen exchange reaction between amino-isoalkanes and sulfuric acid. 349216
Payne, A.W.
Tritium diffusion in Al_2O_3 and BeO. 362490
Payne, B.T.
A partial-wave analysis of world data for the reaction $\pi^-p \rightarrow K^0\Lambda$ from threshold to 2350 MeV/c. 353760
Payne, J.B.
Critical review of Type B shipping container impact analyses. Present research areas and substantiating experiments. 350011
Payne, J.F.B.
Fundamental studies of the mechanism of sodium combustion. (CONF-760503 – P2) 352267
Payne, M.G.
Charge transfer and Penning ionization of N_2, CO, CO_2, and H_2S in proton excited helium mixtures. 358723
Collisional line broadening using laser excitation and ionization. 358794
Kinetics studies of Ne – N_2 by proton excitation. 350590
Microdosimetry, biological modeling, and theoretical biophysics. (ORNL – 5171) 366918
Two-state and two-state plus continuum problems associated with the interaction of intense laser pulses with atoms. (ORNL/TM – 5754) 350593
Payne, W.A.
Absolute rate of the reaction of Cl(p-2) with molecular hydrogen from 200-500°K. (N – 77-14825) 362223
Payrovan, H.
Question of pure or applied research in developing countries. 352825
Payton, D.N. III
Electrostatic collective ion acceleration in the evacuated drift tube geometry. 363253
Paytunin, G.A.
Nondestructive testing of mechanical properties of steels for deep swaging. 375861
Pazdera, F.
An approach to selected structural mechanics problems of the fast power reactor core. 371019
Pazin, K.N.
Ion acceleration by the quasistation-ary field of an electron beam.

357974
Pazma, V.
Path integrals and the Klein-Gordon equation. I. 366292
Stationary path integrals formalism for the one-dimensional time-independent Schroedinger equation. 366291
Pazzi, R.
Observation of interference correlations between like pions in the reaction proton antiproton→2πsup(+) 2πsup(-)πdeg at low energy. 356382
A thermodynamical analysis of the charged-pion momentum spectra from the annihilation proton-antiproton→ πsup(+-)Ksub(s)sup(deg)Xsup(+-) at low energy. 353755
Pchelkin, A.I.
Rearrangement of alkyl radicals in the process of radiation telomerization of ethylene with ethyl bromide. 362273
Telomerization of ethylene by capronitrile under γ-irradiation. 375706
Pchelyakov, O.P.
High-temperature radiation effects in germanium under high-voltage electron microscope observation. 370129
Peach, G.
Model potential calculations for alkalis scattered by inert gases. 353304, 377074
Peach, J.V.
Studies of rich clusters of galaxies – 4. Photometry of the Coma Cluster. 356240
Peach, K.J.
K°sub(L)p interactions in the c.m. energy range 1.54-1.71 GeV. 372508
A study of the Dalitz plot in the decay K°sub(L)→π⁺π⁻π°. 353988
Peachey, R.M.
Hydrogen – deuterium exchange between MBH_4 and MBD_4 (M = Li, Na). Isotope effects on the ^1H and ^{11}B NMR spectra of the BH/sub n/D/sub 4-n/ anions and a discussion of exchange reactions in some covalent tetrahydroborate systems. 367129
Peacock, A.
The ability of a gas scintillation proportional counter to reject background events in a space environment. 358333
Evidence for a 17d periodicity from Cyg X-3. (CONF-7510169 –) 364340
Peacock, C.L. Jr.
Spacecraft-produced neutron fluxes on Skylab. 372244
Peacock, N.J.
Measurement of magnetic fields in a tokamak using laser light scattering. 374818
Peak, L.S.
An empirical range-beta approximation. 374517
The Sydney University particle telescope. 371152
Peake, I.R.
Immunoradiometric assay of procoagulant factor-VIII antigen in plasma and serum and its reduction in haemophilia. 379197
Peake, W.T.
UC-B reflood experimental plan. (EPRI-NP – 457) 358205
Pearce, G.F.
A 480-channel lead glass Cherenkov detector. 355498
Pearce, J.B.
Planetary radio astronomy experiment for Voyager missions. 374979
Pearce, P.
Modulated fast bump for the CPS continuous transfer. 363221
Pearce, R.J.
One the reaction product morphology of alloy 800 in simulated HTR helium. (CEGB-RD/B/N – 3914) 351672
Pearcy, W.G.
Biological transport of zinc-65 into the deep sea. 373444
Pearl, J.
The Voyager infrared spectroscopy and radiometry investigation. 374914
Pearl, W.L.
EPRI program to study PWR secondary water chemistry. 370932
Oxygen monitoring and control in BWR plants. 374208
PWR secondary water chemistry study. (EPRI-NP – 516) 365896
Pearlman, J.S.
Angular dependence of polarization-related laser-plasma absorption processes. 350917
Charge separation and target voltages in laser-produced plasmas. 350919
Closure of pinholes under intense laser radiation. 358999
Faraday cups for laser plasmas. 350918
Pearlstein, L.D.
Computation of the bounce-average code. (UCRL – 52233) 356103
Pearlstein, S.
Reference nuclear data for space technology. 377594, 377832
Pearse, A.G.E.
Specific localisation of neurotensin to the N cell in human intestine by radioimmunoassay and immunocytochemistry. 357704
Pearson, D.
Radiation and growth hormone deficiency. 352055
Pearson, D.S.
Comparison of the physical properties of radiation and sulfur-cured poly(butadiene-co-styrene). 378503
Pearson, G.A.
Proton hyperfine coupling constants in the tri-p-anisylaminium cation radical from proton and deuterium contact shifts. 362195
Pearson, G.W.
Absolute radiocarbon dating using a low altitude European tree-ring calibration. 356971
Pearson, J.M.
Superheavy Hartree-Fock calculations for magic numbers Z = 126 and 138. 354104
Pearson, K.G.
Analytical approximations to the rewetting rate of overheated composite fuel pins under low pressure, high temperature conditions. 376505
HOTPIN – a programme for computing detailed steady state temperature distributions in fuel clusters cooled by radiation and convection. (AEEW-M – 1518) 376313
Improvements in nuclear reactors. 374162
Pearson, R.B.
Estimates of the ground-state eigenvalue of the two-dimensional spin-1/2 X-Y model. 358893
Local gauge symmetry and confinement in quantum chromodynamics. (JINR-D – 1,2-10400(v.1)) 376892
Pearson, T.J.
Interpretation of source counts and redshift data in evolutionary universes. 366774
The 5C 6 and 5C 7 surveys of radio sources. 374944
Peart, B.
Measurements of cross sections for the formation of He^{2+} ions by collisions between protons and He^+. 348721
Measurements of cross sections for the formation of Mg^{2+} ions by collisions between protons and Mg^+. 348722
Pease, L.
Heavy-water-moderated pressure-tube reactor safety. (AECL – 5856) 362996
Pressurized heavy-water reactor safety. (AECL – 5520) 365591
Safety of heavy water reactors. 371002
Safety of heavy-water reactors. (AECL – 5709) 360948
Pease, R.S.
The potential of controlled thermonuclear fusion. 364236
Pease, V.P.
Particle induced visual phenomena in space. 360539
Peaslee, D.C.
Han-Nambu model with lambda', lambda" coupling. 366853
Peat, D.
Positron annihilation – destruction to design. 356031
Peatman, W.B.
Radiative lifetimes of ions from electron-photon coincidence measurements. 353354
Pebler, J.
The influence of fluoride ions on the behaviour of Fe^{3+}-doped VO_2. 364983
Moessbauer emission spectra of Co-films (4-8 A) on Cu. 366415
Pecar, V.
Use of photodiodes for neutron dosimetry. 379908
Peccei, R.D.
Constraints imposed by CP conservation in the presence of pseudoparticles. 372471
Peccoud, L.
An heavy ion source utilizing plasma acceleration by electron cyclotron resonance designed for etching operations. 370676
Pech, R.
Total cross sections for charged-current neutrino and antineutrino interactions in BEBC in the energy range 20-200 GeV. 353945
Pech, T.
Anomalous microwave-induced voltages across Josephson junctions. 374014
A new technique for measuring a.c. losses in multifilament superconductors. 359971
Pecharskij, V.K.
Investigation of interaction of rare earths with rhenium and silicon. 378705
Pechenkin, S.A.
Interaction between high-current relativistic electron beam and an interface. 376360
Pechenkin, V.A.
Kinetics metal swelling in the flux of energetic particles. (KFTI – 74-47) 349591
Kinetics of metal swelling in a fast particle flux. 360103
Pecheur, P.
A tight-binding model of the ZnS F-centre. 370204
Pechin, W.H.
Automatic particle-size analysis of HTGR recycle fuel. (ORNL/TM – 5907) 363472
Inspection of high-temperature gas-cooled reactor recycle fuel. (ORNL – 5165) 363372
Quality control tests for high-temperature gas-cooled reactor recycle fuel. 376544
Pechkurenkov, V.L.
Continuous γ-irradiation of Misgurnus fossilis L. eggs incubated with EDTA and caffeine. 349750
Pechnikova, G.P.
Effect of conditions of decomposition of ruthenium hydroxychloride. 349231
Pechukas, P.
Statistical approximations in collision theory. 361384
Pecina, J.
Eye protection in electron beam therapy. 379323
A study of radiation dose fractionation in mammary gland tumour therapy. 379065
Peck, B.H.
Designing the owner's nuclear project management organization. 358119
Peck, S.
Fast optimization techniques applied to linear and non-linear lattices of electron storage rings and accelerators. 363313
Pecker, J.C.
Infrared astronomy and the galactic dust. 369179

Peckover, R.S.
Interface temperature criteria and the spontaneous triggering of small-scale fuel-coolant interactions. 370547
On the dynamic interaction between magnetic fields and convection. 374945
Pecqueur, M.
Transfer of technology in the French – Iranian study for a nuclear research center in Iran. 352584
Pecseli, H.L.
Non-linear Langmuir wave modulation in collisionless plasma. 348908
Peculea, M.
Experimental method for tray efficiency determination of a isotopic separation column by a hot cold process. 378368
Pedan, T.N.
Structural changes in two-phase Cr-Mn-steels under conditions of superplasticity. 359895
Peddicord, K.L.
Generation of time-dependent neutron transport solutions in infinite media. 372558
Pedersen, C.E. Jr.
Differences in buoyant-density properties of Coxiella burnetii and Rickettsia rickettsii. 352025
Pedersen, D.R.
Effect of high external thermal loading on LMFBR subassembly integrity. (CONF-770807 – 38) 365606
Thermal and stress analyses of meltdown cups for LMFBR safety experiments using SLSF in-reactor loops. (CONF-770807 – 40) 365521
Pedersen, E.H.
Structure in electron-loss cross sections for fast light atoms in xenon. 358804
Pedersen, F.
Electronics for the longitudinal active damping system for the CERN PS booster. 363283
Theory and performance of the longitudinal active damping system for the CERN PS booster. 363314
Pedersen, J.
Island of high spin isomers near N = 82. (ZfK – 336) 364811
Island of high-spin isomers near N = 82. 367001
Pedersen, J.B.
Chemically induced magnetic polarization; theory, technique and applications. 351634
Pedersen, N.F.
Measured temperature dependence of the cos phi conductance in Josephson tunnel junctions. 367926
Nonresonant detection of Josephson radiation from thin-film microbridges. 374015
X-band singly degenerate parametric amplification in a Josephson tunnel junction. 370720
Pedersen, O.
Demand and supply estimates for the nuclear fuel cycle. 366161
Pedersen, R.A.
Ultraviolet-light-induced unscheduled DNA synthesis by resting and growing mouse oocytes. 378972
Pedersen, T.
A study of ^{15}N by use of the reaction $^{13}C(^3He,p)^{15}N$. 372804
Pedersen, W.B.
Distribution of energy deposited in plastic tubing and copper-wire insulation by electron beam irradiation. 375700
Pedlar, A.
Hydrogen recombination lines at decimetric wavelengths from the direction of the galactic centre. 349006
Limits on neutral hydrogen in the direction of PHL 957. 356211
Studies of low-frequency recombination lines from the direction of the Galactic Centre and other galactic sources. 372233
Pedley, M.D.
Deactivation of singlet molecular oxygen $O_2(^1\Delta sub(g))$, by oxygen. 353196
Pedrazzini, G.J.
Angular dependence of orientation of Ar^+ ions induced by the beam-tilted foil interaction. 355911
The transfer of polarisation due to optical cascades in $^{40}Ar^+$ ions. 358726
Pedretti, E.
Some notes on the calculation of the magnetic field produced by a toroidal thick coil. 368913
Pedrini, A.
Fast pulse discriminator for photon counting at high photon densities. (EUR – 5631) 361068
Pedrocchi, E.
Design of a shipping cask for irradiated nuclear fuel. 359843
Pedziwiatr, A.T.
Investigations of crystal and magnetic properties of nickel ferrite-aluminates. 371560
The Moessbauer effect and magnetometric investigations of iron-doped sodium A-type zeolite. 374666
Peebles, P.J.E.
Element production in the big bang: how can we make such a bold extrapolation. 377643
Integration of the BBGKY equations for the development of strongly nonlinear clustering in an expanding universe. 359073
Statistical analysis of catalogs of extragalactic objects. VII. Two- and three-point correlation functions for the high-resolution Shane-Wirtanen catalog of galaxies. 372178
Peehs, M.
Experimental investigations on the compatibility of a SNR-type corium with graphite. (CONF-761001 – P4) 363540
Intermediate storage of spent LWR fuel elements: experience and tasks from the fuel element point of view. 370933
Nuclear reactor fuel rod and method to form a coating on the pellets of the reactor fuel rod. (German (F.R.) patent document 1564739/C/) 355335
The role of hydrogen development in hypothetical core meltdown. 370564
Thermal properties and resistivity to core melts of reactor concrete. 370545
Peel, D.M.
Negative pion irradiations of the mouse testis. 352032
Peelle, E.
Citizens' views about the proposed Hartsville Nuclear Power Plant: a survey of residents' perceptions in August 1975. (ORNL/TM – 5801) 349904
Regional Studies Program annual report, January 1 through December 31, 1976. (ORNL-TM – 5838) 362841
Peelle, R.W.
Fission-product energy release for times following thermal-neutron fission of ^{235}U between 2 and 14000 seconds. (ORNL/NUREG – 14) 372738
Peelman, H.E.
Behind casing water flow detection using continuous oxygen activation. (US patent document 4,032,780/A/) 365674
Behind casing water flow detection using pulsed neutron oxygen activation. (US patent document 4,035,640/A/) 365669
Pulsed neutron combination well logging system. 362581
Peer, V.A.
Methods of energy prognostics of the USSR and energy conversion methods until the year 2000. 376804
Peercy, P.S.
Preparation and structural studies of the hydrolysis products of titanium, niobium and zirconium alkoxides. (SAND – 76-0556) 359674
Peeters, E.
Role of high resolution Ge(Li) detector in trace element study in water activated with thermal neutrons. 367026
Peeters, P.
A study of the reactions K⁻d→K⁻d and K⁻d→K⁻n(psub(s)) at 4.5 GeV/c. 353954
Pegg, D.J.
Beam-foil spectroscopy. Vol. 1. 374055
Beam-foil spectroscopy. Vol. 2. 371482
High resolution studies of extensive Ne L-shell excitation by energetic heavy ion impact. 358849
Recoil ion spectroscopy in the XUV – soft X-ray region following heavy ion impact on thin gas targets. 358825
Studies of neon L-shell excitation by impact of highly ionized heavy ions. 358824
Pegg, D.T.
Electron and nuclear spin relaxation in S = 1/2 paramagnetic transition-metal complexes. 355977
Pegoraro, F.
Theory of the ubiquitous mode. 348898
Pegram, J.W.
Babcock and Wilcox model for predicting in-reactor densification. (BAW – 10083A(Rev.1)) 363456
Pehl, R.H.
Considerations in measuring trace radionuclides in soil samples by L x-ray detection. (CONF-771023 – 20) 378877
Germanium gamma-ray detectors. 371125
High-energy proton radiation damage of high-purity germanium detectors. (LBL – 7218) 380001
Pehryt, V.
Characteristics of multiplicity of charged products of π^{+-} nuclear reactions as source of information about neutron and proton distribution on the atomic nucleus periphery. (JINR-D – 1,2-9342) 356837
On reconstruction of π^0 spectra from gamma spectra by the statistical regularization method. (JINR-D – 1,2-9342) 356518
Study on the emission intensity of -mesons in interactions of fast π+ – mesons with nuclei. (JINR-R – 1 – 9083) 356516
Peierls, R.
Werner Heisenberg, 5 December 1901 – 1 February 1976. 371327
Peierls, R.F.
Estimates of production cross sections and distributions for W bosons and hadronic jets in high-energy pp and p anti p collisions. 372472
Longitudinal coupling impedance structure in terms of Green's functions. (BNL – 50611) 357983
Peimbert, M.
The helium problem. 356302
Peiry, J.-M.
Measurement of the poloidal configuration in the Lausanne belt pinch. (INIS-mf – 3963) 371985
Peiry, J.M.
Measurement of the poloidal magnetic configuration in the Lausanne Belt-Pinch. 377328
Peisach, M.
Applications of prompt particle spectrometry to studies of tinplate surfaces. 364904
Characterisation of South West African potsherds by neutron activation analysis of trace elements. 372839
Charged particle activation analysis. (INIS-mf – 4203) 375324
Recent developments in the analytical application of prompt spectrometry. 356942
Peisl, H.
Crystal defect studies using elastic-diffuse X-ray and neutron scattering. 366447
Defect properties from X-ray scattering experiments. 353479
Peix, J.
National acquisition of sufficient know how to determine

procurement of natural and enriched uranium. 352926
National acquisition of sufficient know-how to determine procurement of natural and enriched uranium. 358563
Peixoto, E.M.A.
A new theoretical model for scattering of electrons by molecules. 1. 363914
Pejsakhov, Yu.B.
On temperature dependence of the yield strength of austenitic alloys under going martensite transformation during deformation. 370050
Pejtersen, K.
Distribution of energy deposited in plastic tubing and copper-wire insulation by electron beam irradiation. 375700
Peka, G.P.
Stationary amplification of photoluminescence in Cu and Mn activated ZnCdS crystal phosphors by infrared radiation. 351549
Pekalo, M.P.
Six-fermion interaction and neutral currents. 377761
Pekar', G.S.
Ni effect on photoelectric properties of CdS monocrystals. (INIS-mf – 3955) 362162
Pekarek, H.
Nuclear fuel fabrication and related technology transfer in connection with implementation of a nuclear power program. 352638
Pekarek, J.
Erythrocyte labelling with sup(113m)In for spleen scintigraphy. 349329
Radiation hygiene problems of radiopharmaceutical preparation at nuclear medicine units. 349898
Pekarskij, G.Sh.
The effect of scattering indicatrix approximation and of constants representation on the results of calculating characteristics of iron-shielded neutron fields. 377841
Pekarskij, N.A.
Design and testing of a unified range of packaging assemblies for transporting gamma radiation sources. 350036
Pekarsky, M.I.
Time series analysis and forecasting applied to ANL TREAT experiments. 352274
Pekelsky, J.R.
Effect of high gas density and energy control on spark width in narrow-gap chambers. 379930
Peker, L.
Evidence for the coexistence of shapes in even-mass Cd nuclei. 356629
Peker, L.K.
Aligned rotation of octupole-vibrational states in deformed nuclei. 375121
An anomalous behaviour of the gamma band in ^{156}Dy. 364812
Collective bands observed in single closed shell even mass Sn nuclei. (INIS-mf – 4267) 377982
Coriolis effects and the microscopic structure of gamma-vibrational levels. 351301
Level structure of ^{156}Gd. (INIS-mf – 4267) 378022
Properties of odd Ag isotopes. (INIS-mf – 4267) 378015
Pekhov, A.P.
DNA repair and mutagenesis. 362645
Pekker, L.S.
Electromagnetic radiation from a localized Langmuir perturbation. 377359
Pekrul, P.J.
Method and device for automatic supervision of plants. (German (F.R.) patent document 2622120/A/) 355353
Pel'tek, I.F.
Mean traquency measurer. (Soviet patent document 473138/A/) 376686
Pelah, I.
Differential calorimeter for measurement of absorbed energy in laser-produced plasmas. 350920
Pelce, J.
French studies on blow-down accident in light water reactors. 370601
Pelckmans, E.
Quality control of plutonium oxide fuel elements by neutron radiography. 376440
Peleg, E.
Energy deposition by fast ions in pellet fusion targets. (WIS-PH – 77/28) 364232
Self magnetic field effects on energy deposition by intense relativistic electron beams. (WIS-PH – 77/31) 364231
Pelekis, L.L.
Activation method for determination of Pt, Pd, Ir and Rh macrocomponents in noble metal alloys using neutron generator. (INIS-mf – 4188) 375388
Pelekis, Z.Eh.
Neutron activation determination of certain noble metals in glass with preliminary extraction separation. (INIS-mf – 4188) 375325
Peletminskaya, N.G.
Magnetic field of the single-cut toroidal torsatron. (KFTI – 74-36) 350797
Peletminskaya, V.G.
Magnetic field configuration in a tokamak with a poloidal divertor. (INIS-mf – 3954) 361510
Torsatron divertor and it's effect on impurities transport and accumulation. (INIS-mf – 3954) 361497
Peletminskij, S.V.
Quantum virial expansions in the theory of kinetic equations. 348622
Peletskij, V.Eh.
Investigation of integral normal emmissivity of materials in the high temperature range with the aid of reflection furnace. 370049
On the problem of the temperature dependence interpretation of transition of metal, thermal and electric conductivity in the high temperature range. 378706
Pelevin, O.V.
Intensification of homogenizing annealing of Hgsub(0,8)Cdsub(0,2)Te alloy in ultrasonic field. (INIS-mf – 3914) 349384
Peculiarities of HgTe-CdTe alloy system crystallization in ultrasonic field. (INIS-mf – 3914) 369930
Physical and chemical investigation of the HgTe-CdTe system. 357268, 362397, 362458
Pelevina, I.I.
Changes in the survival of mammalian cells affected by a DNA synthesis inhibitor under the conditions of fractionated and single exposures. 362627
Effect of hydroxyurea on reparation of radiation-induced damages to LL cells in a stationary phase of growth. 349690
Pelico, J.V.C.
Perfecting of a mathematical model for the survival curves of irradiated cells. 352000
Pelissier, J.
Transmission electron microscopy of pyrocarbon coatings. 378791
Pelizzari, C.A.
Multiple scattering correction to neutron diffraction data of isotropic systems using optimized Monte Carlo techniques. 356018
Pelizzone, M.
Magnetic susceptibility of $TRMo_6S_8$. 377692
Pellarin, D.J.
Pulsed reactivity measurements of large ^{235}U – Al castings in H_2O. (DP-MS – 77-49) 379470
Pellas, P.
Long-term averaged abundances of VVH cosmic ray nuclei from studies of olivines from Marjalahti meteorite. 374946
Pellat, R.
The random phase and resonant broadening approximation in weakly turbulent plasmas. 359000
Pelleg, J.
Diffusion in the vanadium system. 349513
Pellegrin, J.L.
rf system for the PEP storage ring. 363132
Pellegrini, P.W.
Investigations of phase relations and eutectic directional solidification on the NiAl-V join. 373252
Pellerin, F.
Auger analysis and ion mass spectrometry study of electron induced damages. 368827
Pelletier, C.A.
Long term performance of charcoal absorbers removing radioiodine in ventilation exhaust air. Final report. (EPRI-NP – 534) 379558
Pellett, D.E.
Extraction of average multiplicities of high-energy off-mass-shell $\pi\pi$ and $K\pi$ scattering. 359338
High-mass K^* production in K^+d interactions at 9 GeV/c. 372509
Microprocessor controlled scanning and measuring of bubble chamber film. 379880
Pelley, R.P.
Purified antigen radioimmunoassay in serological diagnosis of Schistosomiasis mansoni. 352170
Pelliccioni, M.
On the distribution of the radiation doses from thick targets in high energy electron accelerators. 355030
Pellisson, J.
EPR fine structure of S state ions. 378636
Pelosi, G.
Kondo effect from excited crystal-field levels in La/sub 1-x/Pr/sub x/Sn_3 compounds: Electrical resistivity. 359899
Magnetic susceptibility of the singlet ground-state system $(LaPr)Sn_3$. 367233
Pelroy, R.A.
Tests for mutagencity of free radicals formed in irradiated sugars and amino acids. (BNWL – 2100(Pt.1)) 360225
Pelt, J. van
The electron capture decay of ^{131}Ba. 378040
The electron capture decay of sup(106m)Ag. 377996
Pelte, D.
Lifetimes of the yrast states of even Ce isotopes. 372766
Recoil distance investigation of yrast states in ^{158}Dy. (ZfK – 336) 364749
Peltier, M.
Operation of nuclear units in power systems. 352585
Pelto, P.J.
MFAULT: a computer program for analyzing fault trees. (BNWL – 2145) 374393
Risk assessment method for nuclear fuel cycle operations. 352325
Peltonen, E.K.
Incorporation of radioactive wastes from nuclear power plants into concrete and bitumen. 358498
Peltskij, V.Eh.
Kinetic properties of NR10-VP alloy. 349514
Peltzer, M.
Sensitivity of power generation costs in nuclear power plants and coal-fired power plants. 371232
Peltzer, R.G.
Planetary radio astronomy experiment for Voyager missions. 374979

Peluso, M.A.V.
Control and instrumentation system of the Zero Power Reactor at IEA, Sao Paulo (Brazil). (IEA-TI – 32) 352505
Implantation of reactor physics codes: a case of technology transfer. 352441
Pelz, D.T.
Observations of neutral composition and related ionospheric variations during a magnetic storm in February 1974. 360193
Pelz, P.
Superconducting magnetic system for MHD generator. 377672
Pelzer, N.
Comparative survey of public participation in the nuclear licensing procedure in other European states. 352981
Pelzl, J.
Optical absorption spectra of natural smoky quartz. 350768
Pembleton, R.G.
NMR probe for combined homonuclear multiple pulse decoupling and magic angle spinning. 361082
Pen'kina, V.S.
Transport and focusing of high-current relativistic electron beams onto a target. (IAEA – 200) 353515
Pena-Auerbach, L. de la
Schroedinger equation derived from stochastic electrodynamics. 353133
Pena, C.
Aspects of Bradykinin radioimmunoassay. 370489
Pena, J.
Critical configurations and secondary excursions for high temperature fuel/steel mixtures. (CONF-761001 – P3) 365592
Pence, D.T.
Radioactive airborne effluent measurement and monitoring survey of reprocessing and waste treatment facilities. (COO – 3049-9) 378920
Pencev, V.
Dosimetric considerations on the radiation exposure to patients in X-ray diagnostics and nuclear medicine. 355043
Penchina, C.M.
Optical modulation study of proton-bombarded GaAs. 370201
Penco, R.
Interaction of spin selected atomic hydrogen with surfaces. 368735
Pender, J.
Regional nuclear fuel centers: IAEA study project. 359855
Pendergast, M.M.
Power law profiles of mean winds and horizontal and vertical standard deviations of wind direction at Savannah River Plant. (DP – 1455) 367788
Pendicj, B.
Professional exposure to ionizing radiation some hematological cytomorfological and immunological tests. 370661
Pendlebury, J.M.
Experiment on the efficient polarization of ultracold neutrons. 379838
A new measurement of the magnetic moment of the neutron. 361886
Pendleton, H.N.
Vanishing of charge renormalization and anomalies in a supersymmetric gauge theory. 368579
Pendley, M.H.
Compact vapor deposition system. 351785
Pene, O.
Absolute magnitude of non-leptonic hyperon decays and electromagnetic hyperfine splittings. 372451
Strong decays of psi''(4.028) as a radial excitation of charmonium. 375039
Why is psi(4.414) so narrow. 375040
Penelle, R.
Contribution of neutron diffraction to the study of the texture function of recrystallized titanium, comparison with X-ray diffraction. 353465
Penet, F.
Comparative analysis of a hypothetical loss of flow accident in a LMFBR using different computer models for a common benchmark problem. 371051
European in-pile investigations of fast breeder reactor safety. 371006
Safety analysis of the fast breeder reactor confinement main problems: application to Super Phenix. 379282
Safety conclusions from start-up tests and from the analysis of the core behaviour of Phenix. (CONF-761001 – P1) 362882
Peneva, I.Kh.
Excitation of potential surface oscillations in semiconfined inhomogeneous plasma with metal screen by electron beams. 364213
Penfold, J.E.
Observations of faint red stars at intermediate galactic latitude. 372234
Peng, J.C.
Researches with the tandem and the synchrotron. Chapter 1. (CEA-N – 1959) 354198
Peng, T.Y.
Catalyzed oxidation reactions. IV. Picolinic acid catalysis of chromic acid oxidations. 378381
Peng, Y-K.M.
Injection scenarios for TNS. 377523
Plasma engineering considerations for a medium-field ignition test reactor. 377509
Peng, Y.-K.M.
Application of ideal MHD stability code Erato to high beta tokamak equilibria. (INIS-mf – 3963) 371819
Peng, Y.K.M.
ORNL-TNS/PEPR overall heating requirements. (CONF-771213 – 3) 377507
Plasma engineering innovations for the ORNL TNS reactor. (CONF-771029 – 146) 377508
Penicaud, J.P.
Design and magnetic measurements of the new magnets for the Saclay Proton Synchrotron. 363315
Penin, A.N.
Nonlinear-susceptibility dispersion of lithium iodate crystal. 361411
Penionzhkevich, Y.E.
Asymmetric mass distribution from the fusion- fission reaction $^{40}Ar + ^{243}Am$. 359495
Penionzhkevich, Yu.Eh.
Angular correlation method for measurement of characteristics of heavy ion reaction products. (JINR-R – 7-10671) 376669
Penkala, J.L.
Reactor operator screening test experiences. (EPRI-SR – 28) 352979
Penkin, N.P.
Effective cross sections of dissociation of 5p^5 ^{2}Psup(0)sub(1/2) metastable atoms in collisions with iodine molecules and oxygen atoms. (INIS-mf – 3915) 348723
Effective cross sections of impact broadening of 285,2 nm line of MgI and the potential of interaction of magnesium atoms with rare gases. (INIS-mf – 3915) 348724
Quenching of metastable iodine atoms in collisions with iodine molecules and electrons. 353328, 377096
Penkova, V.G.
Synthesis of crystals of double molybdates of lithium with bivalent metals Mg, Ni, Co, Fe and Zn. 359675
Penkuhn, H.
The angular gamma flux in an iron shield due to a thin slab source. (EUR – 5684) 359359
Penland, J.R.
Objectives of nuclear system reliability and safety studies. 357807
Penna, T.C.R.
Very fine particles of metal I. 351720
Penndorf, K.
Changes in pressurized water reactor group constants caused by burnup and the role of fuel nuclides. 355254
Strong burnable poisons in the PWR lattice. 370800
Pennell, W.E.
Nuclear power plant. (German (F.R.) patent document 2557415/A/) 358075
Penner, P.S.
Net energy effects and resource depletion: an all-nuclear economy. (COO – 2865-10) 374463
Penner, S.
Inelastic electron scattering from low-lying states in the nuclei ^{36}Ar and ^{40}Ar. 356760
Penney, R.V.
Explanation of interaction in rotating helium II. 359211
Pennington, E.
Evaluated fast neutron cross sections of uranium-238. (ANL/NDM – 32) 372806
Pennisi, A.
On the formvar vibrational spectrum by electron tunneling. 363972
Pennock, G.M.
Thinning transformation in β Ti – Mo alloys. 362436
Penny, W.
Flow and mixing conditions in the upper plenum of the SNR 300. 371007
Penov, G.G.
Black chromium coatings on different structural materials. 351706
Penrose, R.
Space-time singularities. 355820
Penrose, R.T.
Nuclear fuel element. 358086
Pensko, J.
Discussion of the preliminary radiological supervision programme at the site of the first Polish atomic power station at Zarnowiec. 355004
Environmental studies of the earth gamma radiation background at one of the planned sites of the first Polish nuclear power station. 354658
Means of evaluation of population dose from the natural background of radiation for control of the exposure of environment of nuclear power plants. 355040
The method and preliminary results of measurements of the natural radioactivity in power station fly-ash and slags. 376011
Natural radioactivity of slag and fly-ash. 367383
On the safety guides for Poland's population in normal operation of nuclear installations. 355041
Principles for the limitation of releases of radionuclides from nuclear power plants to the atmosphere. A model of food chain system. 367789
Penso, G.
Electron-positron bremsstrahlung at ADONE. A new limit for the existence of a heavy electron. 361767
An image scanner for real time analysis of spark chamber images. (CNEN-LNF – 75-54(R)) 363556
Pensotti, S.
Evidence for a narrow width boson of mass 2.95 GeV. 372519
Inclusive anti K*° (890) production in π^-p interactions at 16 GeV/c. 356507
Observation of the reactions π^-p→anti pd at 10 and 16 GeV/c. 372520
Production of phi and f' in 10 GeV/c K$^-$p interactions. 353959
Penston, M.V.
The lambda Orionis association. 359137

Spectroscopic observations of the X-ray nova A0620-00. 349036
Pentko, V.P.
Short-time creep of the 38KhN3MFA steel and VT14 the alloy at high temperatures. 370023
Pentschev, A.
Radioactivity studies on Danube water and fish in the Bulgarian section of the Danube from 1964 to 1974. 357517
Penttilae, I.M.
Comparison of sup(113m)In and ^{133}Xe i.v. injection methods for evaluation of placental blood flow. 373680
Penzes, L.E.
Seismic model test of the GCFR core and core support structure. (GA-A – 14349) 352774
Penzhorn, R.D.
Optimization of the low-temperature rectification technique for Kr 85 separation from the waste gas of reprocessing plants. 369827
Penzo, A.
Reconstruction of the momentum of a particle moving in an axially symmetric magnetic field. 358344
Penzo, P.A.
Voyager mission description. 374926
Peoples, J.
Study of hadrons at large transverse momentum. (BNL – 50611) 357984
Pepe, B.L.
Optical absorption spectra of natural smoky quartz. 350768
Pepelnik, R.
Determination of conveyor-flow parameters by gamma-ray transmission analysis. 376694
Pepik, N.I.
Effect of heat treatment on properties of InSb alloyed with Ge, Zn, Mn, Cd. 369911
Pepin, H.
Non-linear interaction of intense CO_2 radiation with dense plasma. 348919
X-ray emission measurements from CO_2-laser-created plasmas. 350921
Pepin, P.
Prediction of primary circuit contamination in power reactors. 370952
Pepinov, R.I.
Shielding of sample side surface during high temperature study of metal thermal conductivity. 373253
Peplinski, B.
Energy calibration of electron spectrometers. 374355
Pepper, D.W.
Modeling the dispersion of atmospheric pollution using cubic splines and chapeau functions. (DP – 1455) 373853
Peppler, W.
Decay heat removal from a pin bundle. (CONF-761001 – P4) 362956
Flow rundown experiments in a seven pin bundle. 374238
Reactor safety, instrumentation and environmental effects. (KFK – 1277/2) 370622
Sodium boiling experiments in a seven-pin bundle: flow patterns and two-phase pressure drop. 374252
Sodium boiling experiments in a 7-pin bundle: investigations into some safety aspects of the KNK II driver zone. 374253
Sodium boiling experiments in natural convection with a thermal power equal to the decay heat. 371056
Temperature distribution and local boiling behind a central blockage in a simulated FBR subassembly. (CONF-761001 – P4) 362876
Testing of a graphite based extinguishing powder for use on liquid metal fires. (KFK – 2525) 376579
Pequignot, E.V.
Localisation of gamma-rays induced chromatid breaks using a three consecutive staining technique. 376058
Perabo, W.
Operating manual and safety specifications. 376565
Peratt, A.L.
Coherent scattering of CO_2 light from ion-acoustic waves. 364237
Interference with, and excitation of ion-acoustic waves by laser light. 364238
Perazzo, B.O.
Crystal structure of ferroelectric guanidinium uranyl sulphate trihydrate. 355940
Perazzo, P.K. de
Crystal structure of ferroelectric guanidinium uranyl sulphate trihydrate. 355940
Perazzo, R.P.J.
Field description of inelastic scattering. 356595
The renormalization of single-particle states in nuclear field theory. 372582
Scattering by a schematic potential landscape. 359429
Self consistent description of the interplay between shape and pairing deformations: static properties. 349109
Perbet, J.N.
Saturation effects in OH maser clouds. 356210
Percival, I.C.
Classical collisions of protons with hydrogen atoms. 371462
Percus, J.K.
One-dimensional Ising model in arbitrary external field. 358677
Structure of a liquid – vapor interface. 363798
Percy, J.R.
The application of maximum entropy spectral analysis to the study of short-period variable stars. 359145
Percy, J.S.
Abnormal localisation of gallium-67 citrate in pseudohypertrophic muscular dystrophy. 360369
Percy, J.T.
The pulsational stability of models of normal and metallic-line A stars. 359146
Perdang, J.
Local stellar stability. II. 372235
Vibrational stabilty of stars in thermal imbalance. IV. 372143
Perdijon, J.
Checking the soundness of cladding tubes without rotation. 376442
Perdrisat, C.F.
180^0 production of protons in high-energy p, d, and α reactions in nuclei. 362043
Peregon, I.I.
Processes occurring in vacuum heating of silver films with helium implanted. (KFTI – 74-47) 354626
Peregood, B.P.
Rotating plasma in the "Tornado-650" trap. (INIS-mf – 3963) 371750
Pereguda, A.I.
Some problems of reactor emergency system reliability. 376473
Peregudov, G.V.
Temperature dependence of Raman spectra of Basub(0.25)Srsub(0.75)Nbsub(2)Osub(6) crystal. 358898
Pereira, D.
Fusion of ^{27}Al + ^{16}O and ^{12}C + ^{16}O. 364984
Scattering chamber for the measurement of heavy ions time-of-flight. 364555
Pereira, N.
Nonlinear Schroedinger equation including growth and damping. 350536
Pereira, N.R.
Soliton in the damped nonlinear Schroedinger equation. 350537
Pereira, P.R.R.
Carrier-assisted perpendicular pumping of spin waves in ferromagnetic semiconductors under strong fields. 364090
Perekhozhev, V.I.
Preirradiation effect on the oxidation of the Zr+2.5% Nb alloy. 375948
Perekrestenko, A.D.
Some problems in ultracold neutron physics. (INIS-mf – 3895) 355493
Perelomov, A.M.
Quantum completely integrable systems connected with semi-simple Lie algebras. 353126
Some remarks on additional integrals of motion for some Hamiltonian systems invariant relatively to finite groups generated by reflections. 371420
Perelshtein, E.A.
Moment method in dynamics of charged particle beams. 379491
Perelyaev, V.A.
Magnetic and spectroscopic properties of vanadyl oxalates and their complexes with hydrazine. 351547
Synthesis and magnetic properties of Vsub(1-x)Tisub(x)Osub(1,75) (x=0,00-0,10) solid solutions. 360021
Perelygin, V.F.
Observation of muon pairs in neutrino interactions at Serpukhov 70 GeV accelerator. 361870
Perelygin, V.P.
Glass track detectors. 361049
Heavy charged particle detector. (Soviet patent document 438955/A/) 355522
Long-term averaged abundances of VVH cosmic ray nuclei from studies of olivines from Marjalahti meteorite. 374946
Peremitin, B.V.
Individual sampler for nuclides. (Soviet patent document 421964/A/) 356949
Perepelitsa, A.P.
Binary molybdates of aluminium, gallium, indium, chromium, iron and bismuth with monovalent silver and thallium. 351541
Perepelitsa, E.I.
Contribution of one- and two-phonon processes into temperature shift and level broadening of impurity rare earth ions. (INIS-mf – 3955) 377214
Temperature broadening of Nd^{3+} ion levels in crystals of aluminium-yttrium garnet. (INIS-mf – 3955) 377247
Perepelitsa, I.V.
Fabrication of cold-rolled bands of the alloy-ehi 702 in rolls. 373158
Perepelkin, L.N.
X-ray radiographic analysis of residual stresses when cutting out or welding up closed-outline pieces. 349958
Perepelkin, N.F.
Anomalous electrical conductivity and turbulent heating of plasma in closed magnetic traps. (KFTI – 74-36) 348905
High-frequency turbulence of plasma in the "Uragan" stellarator with ion-cyclotron pumping. (KFTI – 75-19) 377510
Perepelkin, S.P.
Radioprotective action of pantothenic acid (vitamin B_3). 354789
Perepelkin, V.P.
Pilot-industrial production of radiation-modified thermal-shrinkaged "Termoplen" film. (INIS-mf – 4194) 376283
Using accelerated electrons for modification of polyethylene film surfaces by the radiation grafting technique. (INIS-mf – 4194) 376288
Perescu, N.
The effect of γ-radiations on a TBP/diluent/HNO_3 systems. (ITN – 114) 357173
Pereshin, V.F.
Dependence of the radiation defect formation in KCl crystals on the electron beam intensity and duty ratio. (KFTI – 74-47) 353427

Pereskokova, L.G.
Investigation into kinetics of mechanical properties change of steel-St3 after high-temperature aging. 375813
Pereslegina, N.V.
Anisotropy of solar protons and inhomogeneities of the interplanetary medium. 356284
On the 11 year cycle of cosmic rays. 356285
Peresunko, A.F.
Synthesis and certain properties of $A^2DyB^4NbO_7$ compounds of pyrochlore (3) structure. 351468
Peresypkin, A.N.
Tin content effect on the physical and mechanical properties and workability of the YuNDK35T5 alloys. 375862
Peretrukhin, V.F.
On the behaviour of hepta and hexavalent neptunium in lithium hydroxide solutions. 369740
Redox potentials of Np(6)-Np(5) and Pu(6)-Pu(5) pair in LiOH solutions. 359730
Pereturina, I.A.
Slip geometry during niobium-molybdenum monocrystal expansion. 370011
Temperature dependence of yield strength and slocational structure of niobium-molybdenum solid solution monocrystals. 370012
Peretyat'ko, V.N.
Effect of deformation velocity on plasticity of chromium stainless steels at high temperatures. 349559
Peretz, M.
NMR study of thorium hydrides. (IA – 1338) 364091
Pereverzev, A.E.
Effect of heterogeneous factor in reaction of radiation-thermal cracking of propane. 373082
Pereverzev, G.V.
Prospects for using electron-cyclotron waves for plasma heating in large tokamak facilities. (IAE – 2610) 356077
Perevoztchikov, V.M.
Λ and anti Λ production in K⁺p interactions at 32 GeV/c. 372512
Perey, F.G.
Cross sections for gamma-ray production by fast neutrons for 22 elements between Z = 3 and Z = 82. 356745
Cross sections for the Nb(n,xn) and Nb(n,xγ) reactions between 1 and 20 MeV. (ORNL/TM – 5829) 351394
High-resolution fast-neutron gamma-ray production cross sections for iron up to 2100 keV. 372779
Least-squares dosimetry unfolding: the program STAY'SL. (ORNL/TM – 6062) 374132
Pereyaslova, N.K.
On spatial distribution of solar cosmic rays in the Earth magnetosphere. 357542
Perez-de-Tejada, H.
Viscous flow in the near-Venusian plasma wake. 351067
Perez-Mendez, V.
Elimination of image blurring due to double scatter events in γ imaging MWPC detectors. (LBL – 6436) 379927
Noise in 3-D imaging with large-area positron cameras. 379912
Three-dimensional imaging with large-area positron cameras. (LBL – 5501) 352120
Perez-Navarro, A.
Experimental device for the X-ray energetic distribution measurement in a tokamak plasma. (JEN – 390) 366612
Perez, M.A.
Short-distance effects in the parity-violating nucleon pion interaction. 364538
Perez, R.
Interest of the sup(99m)Tc-Sn-gluconate in the detection of tumor of the posterior fossa. Comparative study with pertechnetate (56 cases). 357696
Perez, R.B.
Calculation of the fragmentation of UO_2 by capacitor discharge: nonequilibrium model. 367730
Measurement of the ^{238}U subthreshold fission cross section for incident neutron energies between 0.6 and 100 keV. 351343
Precise measurement and analysis of neutron transmission through ^{238}U. 356851
150-m measurement of 0.880- to 100.0-keV neutron transmissions through four samples of ^{238}U. (ORNL/TM – 5915) 369501
Perezhogin, G.A.
Neutron activation determination of chlorine distribution in thin films of silicon dioxide. 375326
Perfil'ev, A.N.
Comparison of the method of evaluation of tendency to hot cracks of weld metal. 349410
Welding of isothermic extraction apparatuses of phosphoric acid from iron-nickel 03KhN28DT (EhP516) alloy. 362358
Perfil'ev, M.V.
Measurement of impedance of some gas electrodes in solid electrolyte based on zirconium dioxide. (INIS-mf – 4189) 375621
Resistance of polycrystalline solid electrolytes. (INIS-mf – 4189) 375536
Perfil'ev, Yu.D.
New ^{57}Co source for Moessbauer spectroscopy. 357866
Perfilov, N.A.
On the use of alpha-naphtol in nuclear photography. 368333
Properties of silver chloride track detectors. 360076
Perfilova, L.V.
Specific features of effect of electrolytic hydrogen adsorption on diffusion during chemical heat treatment. (INIS-mf – 4046) 369849
Pergament, M.I.
A high-power laser system for thermonuclear fusion experiments. (IAEA – 200) 353513
Problems of optimum solution selection on the development of automation control of experiments on laser thermonuclear fusion. (INIS-mf – 3954) 364270
Study of the acceleration of thin metal foils acted on by high-power laser emission. (IAEA – 200) 353518
Pergament, V.I.
Vertical plasma stability in the T-12 finger-ring tokamak with two poloidal divertors. (INIS-mf – 3963) 371761
Perge, A.F.
ERDA's long-term waste management goals and programs. 358464
Perillo, W.
Scintigraphy of the cerebrospinal fluid. 354967
Perina, F.
Atoms serve man. 349101
Incorporation of nuclear energy in power systems and its environmental impact. VII. 350411
Nuclear power plants. IV. 350243
Nuclear reactor – theory. II. 350117
Nuclear reactor types and designs. III. 350195
Perini, C.
Velocity space selection properties of magnetic divertor configurations. (INIS-mf – 3963) 371778
Perini, L.
Analysis of the $\omega\pi^-$ system produced in the reaction $\pi^-p \to \pi^-\pi^-\pi^+\pi^0 p$ at 11.2 GeV/c. 353965
Application of the Hanbury-Brown and Twiss interferometry to the production of like pions in πsup(-)p collisions at 11.2 GeV/c. 353777
Evidence for a narrow width boson of mass 2.95 GeV. 372519
Study of $A_2^- \to$ etaπsup(-) in the reaction πsup(-)p→πsup(-)πsup(-)πsup(+)πdegp at 11.2 GeV/c. 369279
Perinic, D.
Experiments on the determination and limitation of fission and activation product release during core meltdown. (KFK – 2435) 357726
Experiments with simulated large core melts. (KFK – 2435) 357808
The interaction of a core melt with concrete. (AED-Conf – 77-403-001) 370605
Perjes, Z.
Evidence for twistor structure of hadrons. (KFKI – 76-62) 355822
Perspectives of Penrose theory in particle physics. (KFKI – 76-61) 355821
Time-dependent Maxwell fields in stationary geometry. 355796
Perkas, M.D.
External stress effect on the resistance of maraging steel to crack development. 359890
Perkins, B.
Radioactive waste and public acceptance. (ORP/CSD – 77-2) 374394
Perkins, D.H.
Total cross sections for charged-current neutrino and antineutrino interactions in BEBC in the energy range 20-200 GeV. 353945
Perkins, F.W.
Coupling of slow and fast waves to plasmas near the lower hybrid frequency. (PPL – 1366) 356083
Heating tokamaks via the ion-cyclotron and ion-ion hybrid resonances. 348954
Lower hybrid parametric instabilities: Nonuniform pump waves and tokamak applications. 364170
Perkins, H.K.
Studies in fusion reactor technology. Final report, September 1, 1974 – August 31, 1977. (COO – 3028-29) 361490
Perkins, M.J.
Detection and identification of organic radicals produced in the low pressure silent electric discharge by an electron spin resonance spin trapping technique. 357020
Perkins, R.A.
Oxygen diffusion in β-Zircaloy. 357314
Perkins, S.T.
Approximate material temperature and boundary motion corrections for local energy deposition due to elastic scattering. (UCID – 17533) 361939
EDOT: a code to calculate charge particle slowing down in a plasma. (UCID – 17550) 366613
Multigroup constants for charged particle elastic nuclear (plus interference) scattering of light isotopes. (UCID – 17564) 361970
Neutron-induced angular and energy distributions: graphical experimental data. (UCRL – 50400(Vol.19)) 377833
NSCAT: a code to obtain charged particle nuclear (plus interference) differential scattering cross sections from experimental data. (UCID – 17608) 369443
Perks, M.
Comparative analysis of a hypothetical loss of flow accident in a LMFBR using different computer models for a common benchmark problem. 371051
Perl, L.J.
Attack on N-power may shift to economic ground. 374464
Perl, M.L.
D meson production and decay in e^+e^- annihilation at 4.03 and 4.41 GeV c.m. energy. 353989
Electron-muon and electron-hadron production in e^+e^- collisions. 366879
Interpretation of anomalous eμ events produced in e^+e^- annihilation. (SLAC-PUB – 1764) 372534
K^0 production in e^+e^- annihilation. 353983
Lectures in electron – positron annihilation. Part II. Anomalous lepton production. (SLAC-PUB – 1592) 361894
Lectures on electron – positron annihilation. Part I. The production of hadrons and psi particles. (SLAC-PUB – 1614) 377819
Properties of eμ events produced in $e^+ - e^-$ annihilation. (SLAC-PUB – 1664) 377820

Properties of the proposed tau charged lepton. 356517
Recent results in electron-positron annihilation above 2 GeV. 369370
A search for neutral heavy leptons. 356514
Spin analysis of charmed mesons produced in e^+e^- annihilation. 351228
Perlin, E.Yu.
Photostimulated transfer of electronic excitation. (INIS-mf – 3955) 362150
Perlin, Yu.E.
Calculation of temperature broadening of the phononless A-line in the sup(4)Fsub(3/2)→sup(4)Isub(11/2) luminescence band of Nd^{3+} ion in yttrium-aluminium garnet. 368608
Determination of phonon density of crystals according to oscillation of satellites of non-phonon lines in luminescence spectra. 371566
Perlman, M.M.
Charge dissipation and transport mechanisms in insulators. (INIS-mf – 4127) 364092
Perlmutter, A.
New pathways in high-energy physics I: magnetic charge and other fundamental approaches. 361314, 361786, 361796, 361805, 361809, 361810, 361819, 361824, 361828, 361833, 361840, 361865
New pathways in high-energy physics II: new particles; theories and experiments. 361243, 361256, 361307, 361325, 361764, 361782, 361785, 361788, 361803, 361804, 361816, 361827, 364553
Perlova, N.A.
Effect of γ-radiation on structure and properties of polyethylene. 349364
Perlt, H.
Application of the formation zone concept to the high energy particle production on nuclei. 349078
Perly, B.
Study by electron paramagnetic resonance of the radiolysis of pyridine N-oxide in a vitreous methanol matrix. 362277
Permar, P.H.
Development of an integrated facility for processing TRU solid wastes at the Savannah River Plant. (DP-MS – 77-74) 374403
Perminov, A.P.
Shift of frequency of hyperline transition Δmsub(F)=0 of H atom basic state in its's chemical interaction with gase form molecules. (INIS-mf – 3915) 350619
Permogorov, S.A.
Multiphonon processes in resonance scattering and exciton luminescence in crystals. 371628
Permyakov, V.P.
Dynamical effects in interaction between complex nuclei. 349118
Permyakov, V.V.
Cooling of superconducting magnetic systems. (KFTI – 75-33) 352918
Thermostatic regulation of an object in the magnetic field of a superconducting solenoid. (KFTI – 75-33) 355127
Perne, R.
Dependence of four-body observables on the range of effective interactions like those of the unitary pole approximation. 364711
Dependence of four-body observables on the range of UPA-like effective interactions. (BONN-HE – 77-20) 366950
Perneczky, L.
Breakdown transient phenomena at the fall-out of the primary circuit cooling pumps at Paks Nuclear Power Plant. 365867
HOTRAN-2. (KFKI – 77-16) 358076
Pernet, M.
Study of chromium oxyhydroxide (β-CrOOH) by neutron diffraction. 371660
Pernicko, M.
Study of the reaction K^-p→anti K^0n at momenta of 25 and 40 GeV/c. 356482
Pernot, C.
Experimental and computational study of rotation effects in molecular ion photodissociation. 377097
Pernot, M.
Contribution of neutron diffraction to the study of the texture function of recrystallized titanium, comparison with X-ray diffraction. 353465
Perola, G.C.
Luminosity functions for extra galactic radio sources. 366696
A spherical model for the transient x-ray source A0620-00. 356215
Perona, J.J.
Preliminary assessment of partitioning and transmutation as a radioactive waste management concept. (ORNL/TM – 5808) 368365
Perotti, F.
Low energy γ-ray observation of NGC4151. 359075
Perovic, B.
Sputtering and the cones formation of Cu based alloys. 368742
Perraud, R.
Pulmonary tumors induced in the rat by the internal α irradiation; target cells and sensitive cells. 354774
Perreau, J.M.
Anti pp and pp forward elastic scattering between 4 and 10 GeV/c. 356513
Perrenod, S.C.
Constraints on a dense hot intergalactic medium. 359084
Perret-Gallix, D.
A measurement of the polarization parameter in large angle proton-proton elastic scattering at 7.9 GeV/c. 356484
Perret, F.L.
Criteria for assessing radioactive waste management schemes. 352326
Perret, R.
Secondary emission detector system for SATURNE II. 363137
Perret, Robert
Extracted-beam-detection system around synchrotron saturne. (CEA-R – 4857) 355166
Perrier, Roger
Transformation of angular distributions from the center of mass to the laboratory system. (CEA-N – 1993) 359379
Perrin, B.
Nuclear magnetic resonance study of La_3X compounds and related phases. 368765
Perrin, C.
Comparison of the π^+ and π^- elastic scattering from ^{12}C over the πN(3,3) resonance region. 362089
Perrin, D.
Experimental study of the double charge exchange reaction πsup(+)+$_2{}^4$He→πsup(-)+4p between 1.5 and 2.0GeV/c. 362063
Perrin, G.
The giant resonance region of ^{90}Zr via elastic scattering of 57.5MeV polarized protons. (ISN – 77-28) 359514
Giant resonances as doorways states in ^{12}C. (ISN – 77-43) 369476
Perrin, J.S.
Analysis of mechanical property data obtained from nuclear pressure vessel surveillance capsules. (IAEA – 202) 376396
Perrin, M.
Weyl quantization and metaplectic representation. 371349
Perrin, P.
Fission fragment energy correlation measurements for the thermal neutron sub-barrier fission of ^{237}Np and above-the-barrier fission of ^{235}U. 372698
A new measurement of the magnetic moment of the neutron. 361886
Perron, C.
Contamination-free separation of stable nuclides produced in an iron target by proton bombardment. 376237
Cosmic ray source abundance of calcium. 377644
Perrone, R.E.
Stirling/hydraulic artificial heart power source. 379393
Perry, A.M.
Net energy from nuclear power. 366144
Perry, B.E.
Collisional fine structure mixing in BaCl. 353230
Perry, D.G.
A CAMAC automated nuclear chemistry laboratory. 371277
Observation of the new nuclides ^{27}Ne, ^{31}Mg, ^{32}Mg, ^{34}Al, and ^{39}P. (ORO – 3924-29) 364753
Spacecraft-produced neutron fluxes on Skylab. 372244
Perry, D.L.
The chemisorption of mercury on tungsten (100): adsorption and desorption kinetics, equilibrium properties and surface structure. 373212
Perry, E.C. Jr.
Carbon isotope composition of graphite and carbonate minerals from 3.8-AE metamorphosed sediments, Isukasia, Greenland. 357491
Perry, E.S.
Scintillator. (German (F.R.) patent document 2629187/A/) 376613
Perry, F.C.
Electron beam driven implosions. (SAND – 77-1506C) 371733
Perry, J.E.
Report for 1975 October to 1976 September. 351091
Perry, M.
Yield curves for cyclotron production of ^{123}I, ^{125}I and ^{121}I by $^{127}I(p,xn)$ Xe → (β) → I reactions. 376241
Perry, M.A.
The catabolism of intravenously injected heparan N-[^{35}S]sulphate in the rat. 352069
Perry, M.J.
Black holes and thermal Green functions. 369079
Black holes are coloured. 361306
Perry, R.B.
Autoradiographic technique for rapid inventory of plutonium-containing fast critical assembly fuel. (ANL – 77-67) 374491
Autoradiographic techniques for rapid inventory of reactor fuel. 380114
Perry, R.T.
TDHR-a Tokamak demonstraction hybrid reactor. 377377
Perry, W.H.
Operating experience with experimental breeder reactor-II (EBR-II). 379843
Perryman, E.C.W.
Materials requirements for Canada's nuclear power program. 363480
The mechanical components market. 363479
Technology transfer: its contribution to the Canadian nuclear industry. 352586
Perryman, M.A.C.
Observations of OE323(4C34.13), MO758+120, and OS210(4C28.40) with the 5-km telescope. 349021
Pershin, S.V.
Shock waves effect on zirconium dioxide. 349560
Pershin, V.F.
Studies of adhesion properties in proton-irradiated silver films. (KFTI – 74-47) 354605
Persi, P.
The energy distribution and the recent light history of X Persei. 359147
Persigehl, M.
Behaviour of trace element concentration in human organs in dependence of age and environment. 375327

Standardized nuclear medicine investigations during polychemotherapy of metastasized breast cancer and oat cell bronchial carcinoma. (INIS-mf – 4010) 357700
Persitz, F.M.
Automation system of the processing of aerial gamma spectrometry surveys "Aehropoisk-2". 376008
Person, J.C.
Absorption cross sections at high energies. Scattered light corrections and results for ethane from 22 to 58 eV. (ANL – 76-88(Pt.1)) 361385
Person, W.B.
Predictions of infrared intensities for some halogen pentafluoride molecules. 369651
Persson, B.
Handling waste at Swedish nuclear power plants. 368403
Persson, B.R.R.
Trapping and re-use system for radioactive xenon in nuclear medicine. 375625
Persson, Bertil
Experimental evaluation of organ doses from exposure to sup(99m)Tc, ^{123}I and ^{131}I. 370648
Persson, G.
Separation of actinides from HAW solution. (STU – 76-4120) 376759
Persson, R.B.R.
Radiochemical studies of ^{241}Pu in Swedish reindeer lichens. 365431
Pert, G.J.
Self-generated magnetic fields in plasmas. 366614
Pertsev, A.N.
Use of the FEU-114 photomultiplier with dynode gills system in the regime of photon counting. 371149
Pertymski, T.
Uterus scintigraphy with ^{201}Tl; a novel method in oncological gynaecology. (INIS-mf – 4010) 357648
Pertynski, T.
^{201}thallium scintigraphy – a new method for radionuclide imaging of the uterus. 376191
Kidney imaging on bone scintiscans compared with results of infusion urography of patients with prostate carcinoma. (INIS-mf – 4010) 357706
Partial and whole-body-clearance of ^{57}Co-bleomycin in patients with collum uteri carcinoma; measurements performed with a mobile whole-body counter. (INIS-mf – 4010) 357654
Perunov, B.Vs.
Hydrogen pick-up effect on the deformation characteristics of the 20 steel. 375898
Peruzzi, I.
D meson production and decay in e^+e^- annihilation at 4.03 and 4.41 GeV c.m. energy. 353989
Description and performance of MEA, the magnetic detector at ADONE. 379480
Electron-muon and electron-hadron production in e^+e^- collisions. 366879
K^0 production in e^+e^- annihilation. 353983
Multihadron production e^+e^- annihilation at 1.6 c.m. energy. 364575
Properties of the proposed tau charged lepton. 356517
A search for neutral heavy leptons. 356514
Spin analysis of charmed mesons produced in e^+e^- annihilation. 351228
Pervaya, T.I.
Study on captured radiation on the "Kosmos-426" satellite. 4. Structure of electron fluxes on outer bound of the geomagnetic trap. 376048
Pervukhin, L.B.
Structure and strength of the steel plated with nickel alloy using explosion welding. 359926
Pervushin, V.N.
Bilocal functional approach to dynamical symmetry breaking. (JINR-D – 1,2-10400(v.1)) 377719
Description of low-energy processes in quantum chiral theory. 359323
Dynamical affine symmetry and covariant perturbation theory for gravitation. 348610
Low-energy meson physics (chiral theory). (JINR-D – 2-9788) 374594
On the kaon electromagnetic interaction. (JINR-D – 1,2-9342) 356468
Pervushov, V.I.
Primary principles of the ES-5012 magnetic storage device use in the SDS-1604A computer. (JINR – 11-9188) 352829
Pescara, L.
Description and performance of MEA, the magnetic detector at ADONE. 379480
Multihadron production e^+e^- annihilation at 1.6 c.m. energy. 364575
Pescayre, G.
The response of some thermoluminescent materials to neutrons. 355552
Pesce, E.
Mechanical behavior of a fuel pin for fast reactors: effect of the fuel form and of the approach-to-power on the change of the fuel stack length under irradiation. 379737
Pesch, P.
The space density of M dwarfs – an observational program. 369180
Peschardt, E.
Longitudinal bunch dilution due to rf noise. 363248
Longitudinal instabilities of bunched beams in the ISR. 363170
Peschka, W.
Advanced technologies for the industrial development of the next few years: the application of magnetohydrodynamic energy conversion in a future nuclear fission technology. 359191
Peschl, L.
Spleno-porto-scintigraphy. (INIS-mf – 4010) 367631
Pesek, M.
Polymerization and copolymerization of 2,2,2-trichloroethylacrylate. (Czechoslovak patent document 156638/B/) 369804
Peset, R.
Comparison of ^{133}Xe and $^{13}N_2$ ventilation studies. (INIS-mf – 4010) 370409
Peshekhonov, V.D.
A low pressure proportional chamber with a high space resolution. 355531
Tuning of a magnetostriction spark chamber system of the "Photon" device by means of a beta source. (JINR – 13-10321) 379856
1,5x1 m^2 drift chamber performance. 371101
Peshev, N.
Determination of protein-bound-radioiodine level as an index for determining the form of thyrotoxicosis. 367709
Peshkin, M.
Isospin restrictions on charge distributions in charmed-particle decays. (COO – 2220-93) 351190
Peshkov, V.P.
Interaction between an oscillating rigid wall and ^{3}He – ^{4}He solution. 368746
Peshkova, E.P.
On the role of endogenous substances in creating enhanced radioresistance background. 378989
Peshkova, V.M.
Study of properties of β-diketones and their complexes with some rare earths. (INIS-mf – 4191) 375451
Pesic, S.S.
Parametrically driven low-frequency waves in current carrying plasmas. 377511
Pesicj, M.
Neutron convertor at reactor RB. 379562
Peskin, V.F.
Crystallization in the Sb_2O_3-Nb_2O_5-KF-H_2O system. 354361
Peskov, O.L.
Critical heat fluxes in tubular fuel elements of nuclear power reactors. 367911
Pesme, D.
The random phase and resonant broadening approximation in weakly turbulent plasmas. 359000
Pesnelle, A.
Velocity dependence of the Penning and associative ionization cross sections of H atoms by He(2^3S) and He(2^1S) atoms. 353238
Pesola, A.
Regional myocardial perfusion in patients with atherosclerotic coronary artery disease, at rest and during angina pectoris induced by tachycardia. 360381
Pessard, H.
New limits for the exotic exchange reaction $\pi^-p \rightarrow K^+\Sigma^-$ at 5 and 8 GeV. 372515
Pessine, F.B.T.
Laser photochemical isotope separation of ^{11}B and ^{10}B using a CO_2 TEA laser. 365657
Pessine, R.T.
Multipurpose nuclear process heat for energy supply in less-industrialized countries. 352520
Pessoa, E.F.
Measurement of relative cross section for the activation of rhodium with neutrons. 354204
Measuring of differential cross section of the ^{7}Li(p,n)^{7}Be (4,53 MeV)$^+$. 364757
Study of the reactions ^{7}Li(p,n)^{7}Be with a time-of-flight system. 354276
Pesternikov, V.M.
Effect of pentacyne on the dynamics of changes in the bone tissue and on the frequency of occurence of delayed effects in rats damaged by plutonium. 360307
Pestieau, J.
Tau-decay and second-class currents. 377750
Pestrikov, A.S.
Evaluation of reservoir properties and oil and gas content in carbonate deposits from exploitation-geophysical data. 365288
Pestrikov, D.V.
Instability of a bunched proton beam interacting with an ion track. 357953
Petcov, S.T.
On the parity violation effects in deep inelastic leptonhadron scattering. (JINR-E – 2-10809) 369267
Petel, M.
Exoemissive properties of a mixture of aluminium oxides in α and β phases: dosimetry applications. 355571
Petenev, O.S.
Electrode processes during electrolysis of molten salts containing halogenides of polivalent metals of the lowest valence. (INIS-mf – 4189) 375469
The method of producing zirconium coatings. (Soviet patent document 449115/A/) 359871
Petenyan, M.L.
Measurements of the enbeam profile in an electron accelerator by means of synchrotron radiation. 358004
Peter, F.-G.
Improvements in or relating to nuclear fusion reactors. (UK patent document 1483054/A/) 350834

Peter, G.
High-voltage supply system for a streamer chamber on a pulsed transformer. 371102
Peter, H.
Analyses of occupational radiation exposure received at Gundremmingen nuclear power station, and its implications on the design of current and future power plants. 370549
Peter, J.
Angular distributions of fission and deep inelastic products of the system Ar+Au at 285 MeV. 354231
An automatic CO_2 fire-extinguisher in a plutonium laboratory. 360467
Deep inelastic collisions with heavy ions: experiments. 356644
Fusion and deep inelastic collisions studied on the Ar+Au system. Pt. 1. 359510
Neutron-multiplicity in deep inelastic collisions: 365 MeV Cu+Au system. 356855
Peter, M.
On the numerical solution of the Eliashberg equations for strong superconductors. 356032
Rigid band calculation of the elastic constants in Nb-Zr alloys. 378585
Peterffy, G.
Equipment to measure the specific electrical resistance, natural radioactivity and the neutron GAMMA intensity of rock layers intersected by a borehole, in a single step. (German (F.R.) patent document 2523116/A/) 358371
Peterkop, R.K.
Asymptotic expansions in the problem of three charged particles. 368690
On the relation between a classical binary approximation and the Born approximation. (INIS-mf – 3915) 348725
Peternell, P.
Significance of fast moderator feedback effects in a boiling water reactor during severe pressure transients. 374199
Peters, C.T.
Acoustic emission testing of cracks. 370785
Peters, F.
PETRA control system. 363228
Peters, F.E.
Structural design verification techniques. (IWGFR – 11) 355460
Peters, J.
Bench measurements of the energy loss of a stored beam to vacuum components. 363316
Peters, K.A.
Determination of floor response spectra on the basis of the response spectrum method. 355154
Peters, M.W.
Ratio of neutral-current to charged-current cross sections for inclusive neutrino interactions in hydrogen. 351220
Peters, R.M.
Device to detect a fluid flow. (German (F.R.) patent document 2652695/A/) 366046
Peters, T.J.
Indium-111-labeled cellular blood components: mechanism of labeling and intracellular location in human neutrophils. 373630
Peters, W.
The future provision of liquid and gaseous hydrocarbons from coal gasification and the long-term prospects for a hydrogen technology. 355432
Peters, W.L. III
Galactic density wave, molecular clouds, and star formation. 372121
Petersen, A.
Evidence for the F meson. 353947
Measurements of tau decay modes and a precise determination of the mass. 372505
On the origin of inclusive electron events in e^+e^- annihilation between 3.6 and 5.2 GeV. 353772
On the semileptonic decay of charmed hadrons. 356496
Petersen, C.
Investigations of the mechanical behavior of Zry-4 cladding material at high temperatures. (KFK – 2435) 357249
Petersen, D.F.
Biomedical and Environmental Research program of the LASL Health Division. Progress report, January – December 1976. (LA – 6898-PR) 378440
Petersen, E.L.
Application of the three-body model to the reactions $^6Li(^3He,t\ ^3He)^3He$ and $^6Li(^3He,^3He^3He)^3H$. 351288
Petersen, G.
Channelling effects for 15 GeV/c negative pions. 377798
Energy loss of 2-15 GeV/c particles in Si and Ge single crystals with a comparison to existing theory. (INIS-mf – 3996) 364005
Progress in high-accuracy proportional chambers. 379871
Petersen, J.L.
Phase-shift analysis of $\pi^+\pi^-$ scattering between 1.0 and 1.8 GeV based on fixed momentum transfer analyticity. II. 356414
Petersen, K.
Natural convection in the AVR reactor – recalculation of a test on blower failure. 370983
Recent findings on fission product release from a 3000MW(th) pebble-bed reactor in case of accidents with unchecked core heat-up. 370955
Recent findings on reflector design in HTR reactors. 370985
Safety analysis of the THTR-300-MW(e) prototype reactor and future HTRs under extreme accident conditions. 370968
Petersen, L.
Publications of LASL research, 1972 – 1976. (LA – 6755-MS(Vol.1)) 358618, 358619
Petersen, R.
Coulomb explosion seen from Auger lines in heavy ion bombardement of C, N and O containing molecules. 358781
Coulomb explosion seen from Auger lines in heavy ion bombardment of C, N and O containing molecules. 377075
Petersen, R.L.
Unstable intermediates. 367173
Petersen, R.V.
Zn-DTPA administered by slow-release implant. (COO – 119-252) 373592
Petersen, T.S.
Magnetic ordering in Ce – La and Nd – La alloys. (IS-M – 116) 373254
Petersen, V.B.
The interaction of thyroid-stimulating antibodies with solubilised human thyrotrophin receptors. 362829
Peterson, A.
Known volume air sampling pump. Final summary report Jun 1975 – Nov 1976. (PB – 266831) 357840
Peterson, A.C.
Investigation of alternate ECC injection concepts in the semiscale Mod-1 system. (TREE-NUREG – 1117) 370563
Reflood heat transfer in the Semiscale Mod-1 core during forced feed reflood tests. 376527
Peterson, B.
Velocity dispersions in clusters of galaxies. 369058
Peterson, B.A.
The optical and radio counterpart of Circinus X-1 (3U 1516-56). 356343
Spectroscopic observations of the X-ray nova A0620-00. 349036
Peterson, B.H.
Background working levels and the remedial action guidelines. (HASL – 325) 378938
Peterson, C.
Carbon accumulation on target surfaces irradiated by protons. 363317
A quark parton model for hadronic fragmentation distributions. 364463
Peterson, D.D.
High-LET particle dosimetry in the ASTP-Biostack III: Zea mays experiment. 360250
Peterson, D.E.
Phase equilibria, thermodynamics, and crystal structures for the Pu – Pt – Rh system. (LA – 6998) 378707
Peterson, D.T.
Comparison of the single-crystal elastic constants of Th and a ThC_0/sub ./$_{063}$ alloy. 351752
Electronic structure of the thorium hydrides ThH_2 and Th_4H_{15}. 360035
The influence of hydrogen on the bulk band structure of Nb and Ta: an optical study of NbHsub(0.453) and TaHsub(0.257). 354575
Optical interband structure and the low energy plasmon in ScH_2. 368903
The solubility of hydrogen in tantalum at high temperatures. 354509
Peterson, E.
Differential cross sections for p-^{4}He elastic scattering at GeV energies. 354220
Peterson, E.A.
Inclusive asymmetries. (COO – 1764-313) 372473
phi production in π^-p collisions near threshold. 351216
Peterson, E.J.
Carbonation of cerium oxychloride. (LA-UR – 77-2030) 362203
Peterson, H.I.
Vascular and extravascular spaces in a transplantable rat tumour after local X-ray irradiation. 376105
Peterson, H.T. Jr.
Regulatory requirements for radiation protection. 368466
Peterson, J.R.
Collisional deexcitation and photodetechment of excited NO_2^-. 377039
First preparation of an einsteinium(II) compound, $EsCl_2$. (ORO – 4447-061) 373014
Laser – ion coaxial beams spectrometer. 358760
Photodissociation of O_3^- and its hydrates. 376993
Photon interactions involving NO_2^-, NO_3^-, and their hydrates. 376994
Studies of californium metal at high pressure by x-ray diffraction. (CONF-770717 – 1) 351735
Peterson, J.T.
NOAA carbon dioxide measurements at Mauna Loa Observatory, 1974-1976. 360468
Peterson, K.R.
Transnational air quality: the case for the stratosphere. (UCRL – 79428) 367526
Peterson, L.
Experience with the helium afterglow impurities monitor at the Ft. St. Vrain Nuclear Power Station. (LA-UR – 77-1977) 363469
Peterson, M.A.
Perturbations of an analytic background metric. 355823
Peterson, N.L.
Morphometry, benthos, and sedimentation rates of a floodplain lake in Pool 9 of the Upper Mississippi River. 362596
Peterson, P.L.
Consequences of postulated losses of LWR spent fuel and plutonium shipping packages at sea. (PNL – 2093) 379465
Evaluation of the consequences of LWR spent fuel and plutonium shipping package loss at sea. 350022

Peterson, P.R.
Stochastic electrodynamics and its relation to quantum theory. 363829
Peterson, R.J.
$^{208}Pb(^{3}He,p)^{210}Bi$ reaction. (TID - 27909) 378043
$^{39}K(\alpha,p)^{42}Ca$ reaction to high excitations. (TID - 27909) 378042
$^{45}Sc(\alpha,p)^{48}Ti$ reaction. (TID - 27909) 378061
Elastic and inelastic scattering of 800 MeV protons from ^{89}Y and ^{90}Zr. (TID - 27909) 377980
Energy dependence of π^+ induced two- and four-nucleon removal. 369510
Level structure of ^{84}Rb. (TID - 27909) 378057
Level structure of ^{99}Tc by inelastic scattering and proton stripping. 356856
Neutron pickup from ^{194}Pt, ^{196}Pt and ^{198}Pt. 356888
Proton transfer reactions on ^{14}C. (TID - 27909) 378041
Reaction $^{14}C(t,p)^{16}C$ at 23.0 MeV. (TID - 27909) 377994
Single-particle component of the first excited state of ^{211}Bi. 351351
Peterson, R.L.
Design of a Josephson-junction picosecond pulser. 374012
Peterson, R.S.
High resolution studies of extensive Ne L-shell excitation by energetic heavy ion impact. 358849
Recoil ion spectroscopy in the XUV - soft X-ray region following heavy ion impact on thin gas targets. 358825
Peterson, S.W.
The crystal structure of lithium uranate. 368784
Peterson, V.
Total cross sections for charged-current neutrino and antineutrino interactions in BEBC in the energy range 20-200 GeV. 353945
Peterson, V.Z.
Ratio of neutral-current to charged-current cross sections for inclusive neutrino interactions in hydrogen. 351220
Peterson, W.C.
On the dynamics of nucleate region flow boiling. 355123
Peterson, W.K.
Low-energy particle observations in the quiet dayside cusp from AE-C and AE-D. 367436
Peteu, Gh.
On the configuration of back-scattered gamma-rays spectrum for hydrocarbon reservoirs. 379410
Pethick, C.J.
Accretion by rotating magnetic neutron stars. I. Flow of matter inside the magnetosphere and its implications for spin-up and spin-down of the star. 372172
Stress tensor of cosmic and laboratory type-II superconductors. 359077
Petiau, P.
Study of neutrino proton elastic scattering in the 'Gargamelle' freon experiment. 377821
Petin, V.G.
On the probable nature of enhanced radioresistance of the gemmating yeast cells. 362644
Petit, G.S.
Corrosive environment tester for filter media. (K - 1891) 363051
Petit, J.
Key safety issues for fast breeder reactors. (CONF-761001 - P1) 363024
Petit, J.C.
Fission track dating of quartz grains from the Oklo uranium ore deposit. 367361
Petit, J.F.
Uranium enrichment by the gaseous diffusion process. 367852
Petit, M.C.
Relationships between mechanical behavior in neutral environment and stress corrosion behavior for austenitic stainless steels. 354505
Petit, R.
Measurement and MIA analysis of the neutron differential cross section and polarization in the α-D break-up at 33 MeV c.m. 354230
Neutron beam facility at the Louvain-la-Neuve isochronous cyclotron; cross sections for fast neutron production. 379484
Petitjean, C.
A new upper limit for the decay $\mu^+ \rightarrow e^+\gamma$. 369383
Petitjean, P.
A thermodynamical analysis of the charged-pion momentum spectra from the annihilation proton-antiproton→ πsup(+-)Ksub(s)sup(deg)Xsup(+-) at low energy. 353755
Petitt, G.A.
Time-differential perturbed angular correlations using ^{161}Dy. 359972
Petkau, A.
Report on international conference on singlet oxygen and related species in chemistry and biology. 362283
Petkov, S.T.
$\mu \rightarrow e+\gamma$, $\mu \rightarrow e+e+$ anti e, $\nu' \rightarrow \nu+\gamma$ processes in the Weinberg-Salam model with neutrino mixing. 369323
The $\mu \rightarrow e+\gamma$, $\mu \rightarrow e+e+$anti e, $\nu' \rightarrow \nu+\gamma$ processes in the Weinberg-Salam model with neutrino mixing. (JINR-R - 2-9595) 364539
Petkova, M.S.
Activation analysis of Dzhezkazgan rock mineral samples. 359544
Petkovic, D.M.
Proton magnetic resonance study of trialkyl phosphate-water mixtures. 359676
Thermodynamics of extraction equilibria. 369689
Petlin, G.N.
Determination of circular scintillation detector efficiency. 376644
Nanosecond time-to-amplitude converter. 376717
Petnikov, V.G.
Superconducting cavity resonators with large capacitance. 363277
Petrov, N.I.
Angular dependence of cross sections for the $(\pi^+,2p)$ reaction on Li nuclei at 85 + -4MeV. 369497
Petrac, D.
Experiments on the properties of superfluid helium in zero gravity. 359207
Petrakian, J.P.
Magneto-optical resonance in ferromagnetic gadolinium. 356033
Optical constants of gadolinium at various temperatures from polarimetric measurements. 356034
Petrakov, A.V.
Television filmless technique for fast-process coordinate measurement. 371126
Petrakovskij, G.A.
Studying phase transformations in $CsSrCl_3$ by EPR method. (INIS-mf - 3955) 377303
Petrarca, S.
Low-energy $\pi\Delta$ photoproduction and the Δ N axial- transition vertex. 359229
Petras, M.
Possible structure of charged leptons. 353887
Petrascu, M.
Investigation of the accuracy that can be obtained in the thermal neutron flux determination. 356532
Proton scattering on ^{238}U and the probable isobaric analogue resonances. 356579
Resonances analog to parent states in continuum. 356707
Petrashen', A.G.
Collisions transfer of coherence between levels of a hyperfine multiplet. (INIS-mf - 3915) 348729
Petrashku, K.G.
Photodecay of a biexciton. 350741
Petrashov, V.T.
On magnetic breakdown in indium. 357253
Petrasso, R.D.
Do changes in coronal emission structure imply magnetic reconnection. 372228
Petravichyus, A.D.
Hole drift in high-resistance p-type CdSe crystalline plates. 348836
Petrenko, A.A.
Some problems of reactor emergency system reliability. 376473
Petrenko, I.E.
On spatial distribution of solar cosmic rays in the Earth magnetosphere. 357542
Petrenko, V.F.
Spectral studies of photoplastic effect on α and β dislocations in CdS. 356035
Petrenko, V.I.
Calculation of the ionization composition and electric conductivity of the superdense plasma of argon and helium. (KFTI - 75-19) 377512
On diagnostic techniques for optically non-transparent superdense plasma. (KFTI - 75-19) 377410
On the initiation of high-current discharges in dense gases. (KFTI - 75-19) 377399
Petrenko, V.V.
Excitation of elastic waves by charge particle beams in solid dielectrics. 361417
On mechanism of hydrodynamic radiation of charged particles in water. 368899
Petrenko, Yu.N.
Axial - asymmetric divertors for a tokamak. (IAE - 2606) 356148
Petri, C.
Observation of interference correlations between like pions in the reaction proton antiproton→2πsup(+) 2πsup(-)πdeg at low energy. 356382
A thermodynamical analysis of the charged-pion momentum spectra from the annihilation proton-antiproton→ πsup(+-)Ksub(s)sup(deg)Xsup(+-) at low energy. 353755
Petri, H.
A comparative study of computer programs used for analyzing gamma-ray spectra in activation analysis. 374533
Determination of 13 elements with atomic numbers between 12 and 47 by 14-MeV helium-3 activation analysis. 364910
Trace analysis of heavy metals in high purity materials by helium-3 activation analysis. 375350
Petri, W.
Intermediate storage of spent LWR fuel elements: experience and tasks from the fuel element point of view. 370933
Petriashvili, Zh.D.
Oscillation spectra of zinc, cadmium and copper complexes with nicotinhydrazide. 369716
Petrick, M.
Experimental two-phase liquid - metal magnetohydrodynamic generator program. Annual report, August 1975 - September 1976. (ANL/MHD - 77-3) 377673
Petrick, N.A.
A progress report on the SNUPPS nuclear stations. 352657
Petrie, R.I.
Design developments, Bruce heavy water plants. 360568
Petrie, T.W.
New techniques for studying some effects of suprathermal alpha particles. 361607
Petrikov, P.B.
Experiment on radioisotope application to investigation into technological processes of continuous steel casting and improvement of metal quality. 373146
Petritschenko, N.F.
Device for preventing spontaneous repositioning of a control element of a nuclear reactor. (German (F.R.) patent document

2219951/B/) 355351
Petro, L.
Optical observations of WRA 977 (3U 1223-62). (CONF-7510169 –) 364287
Petro, L.D.
The nature of Aquila X-1. 374936
Petroff, P.
Impact parameter analysis of the reaction $\pi^-p \rightarrow p\pi^+\pi^-\pi^-$ at 9 and 12 GeV/c with very fast secondary proton. 356510
Petroff, P.M.
Electronic excitation effects on the mobility of point defects and dislocations in GaAlAs-GaAs heterostructures. 370205
Petropavlov, M.V.
EPR- investigation into γ-irradiated glass-like sodium metaphosphate. 360111
Petros'yants, A.M.
Nuclear power and its significance in the USSR as a source of energy. 366145
Petrosian, V.
Impulsive solar X-ray bursts. III. Polarization, directivity, and spectrum of the reflected and total bremsstrahlung radiation from a beam of electrons directed toward the photosphere. 351040
Petroski, H.J.
Cracked hexagonal ducts. 360991
Elastic – plastic analysis of pressurized ducts with rounded corners. 368230
Stress intensity factors for corner-cracked subassembly ducts. (CONF-761001 – P3) 365593
Petrosyan, L.G.
On significance of repeated geophysical exploration in cased wells and necessity of its timely realization. 349632
Theoretical optimization of instrumentation for multi-probe neutron logging. 349650
Petrosyan, V.I.
Superconductivity of fast condensed films. 377693
Petrosyan, V.V.
Investigation of electrical resistance and stored energy at low-temperature irradiation of titanium diboride. 360125
Petrosyan, Zh.S.
Study on the characteristics of the cascade showers produced by muons in iron in the energy range from 0.3 to 3 TeV. 361656
Petrov, A.A.
Auger electrons in energy spectra of ion-electron emission. (INIS-mf – 3996) 363998
Mass-spectrometric ion source to the MI-1309 device for high-temperature thermodynamic investigation. 371177
Method of spectral'isotopic determination of gases in solid substances. (Soviet patent document 423020/A/) 356939
Spectroscopic determination of isotopic composition of nitrogen when N^{15} concentration is lower than natural content. 375303
Universal method of sample preparation for spectral-isotopic determination of nitrogen in natural biological subjects. 349174
Petrov, A.G.
CAMAC system for data readout from various groups of modules. (JINR-R – 10-9056) 350382
CAMAC-system for calibration and control of experimental apparatus with scintillation counters. (JINR-R – 10-10890) 379931
Organization of the CAMAC system for data readout from different groups of blocks. 361094
Petrov, A.S.
Energy resolution of semiconductor detectors with variable bias. 350327
Petrov, A.V.
Interaction between high-current relativistic electron beam and an interface. 376360
Petrov, B.E.
Radiographic inspection of atomic power station units with the help of a microtron. 376274
Petrov, B.F.
Gamma decay of ^{59}Cu resonances. 375187
Petrov, B.I.
Complexing and extraction of elements from trichloroacetate solutions with diantipyrylmethanes. 364905
Petrov, Eh.E.
Experimental study on neutron field properties in a linear section of a sodium pipeline. (FEI – 596) 355255
Petrov, G.A.
Epsilon-γ coincidence spectrometer. 361052
On production of spontaneously fissile isomer of sup(242m)Am in thermal neutron capture reaction. (INIS-mf – 3896) 356909
Petrov, G.M.
Temper brittleness of complex-alloyed structural steels. 375873
Petrov, K.I.
Infrared absorption spectra and structure of neutral and acidic selenites of aluminium, gallium and indium. 359677
Investigation into infrared spectra of crystal molybdates and tungstates of rare earths, yttrium and scandium (the Eh_6MO_{12} composition). 375455
Luminescence spectra of rare earth ions in $LaYO_3$ and $LaLuO_3$. (INIS-mf – 3955) 366450
Reaction of aluminium selenites with alkali metal selenites in hydrothermal conditions. 365000
Petrov, L.A.
Delayed particle emission in the β^+ decay of ^{116}Cs and ^{118}Cs. 362040
Ion source with surface ionization for a mass separator on a heavy ion beam. 371155
Petrov, L.M.
Fracture characteristic anisotropy of the OT4-1u and VT14 alloy sheets with different hydrogen content as dependent on loading conditions. 375827
Petrov, M.P.
Atomic particle analyzer. (Soviet patent document 409316/A/) 379850
Petrov, M.V.
Radiation, radiationless and forced transitions in binary lithium-rare earth fluorides. (INIS-mf – 3955) 366448
Spectroscopic properties of monocrystals of rare earth-aluminium garnets and rare earth ortho-aluminates activated by Ho^{3+}, Er^{3+} and Tu^{3+} ions. (INIS-mf – 3955) 378291
Spontaneous and stimulated radiation of monocrystals of yttrium and rare earth oxyortho-silicates activated by golmium. (INIS-mf – 3955) 377249
Petrov, N.I.
Experimental facility for measurement of effective cross sections for first kind collisions by the method of double modulation of an electron beam. (INIS-mf – 3915) 350310
Petrov, N.N.
Auger electrons in energy spectra of ion-electron emission. (INIS-mf – 3996) 363998
Mathematical modeling of linear and surface defects. 355960
Petrov, P.P.
Effect of ionized intrinsic point defects on concentration of current carriers in Hgsub(1-x)Cdsub(x)Te. 367098
On the nature of T Tauri-type variables and of FU Ori-type flares. 364325
Petrov, R.V.
Factors controlling the recirculation of haematopoietic stem cells. 370360
Factors controlling the recirculation of the stem cells. Communication 2. Influence of adrenocorticotropin on the migration of haemopoietic stem cells from the shielded part of the bone marrow in irradiated mice. 349734
Inactivation of hemopoietic stem cells by lymphocytes as related to genotype of interacting cells. 354790
Petrov, S.P.
The NAP-M proton storage. 379481
Petrov, S.V.
Large area liquid scintillators. 366025
Petrov, V.A.
On a possible account of SU(6)-symmetry breaking in multiple production processes. (IFVE-OTF – 76-2) 349067
Petrov, V.D.
Experience of operation of channels with uniflow generation of steam in the first APS reactor. 350238
Petrov, V.G.
Heat and particle transport to a wall of a tokamak reactor. (INIS-mf – 3963) 353651
Plasma energy balance with turbulent transport coefficients for tokamak reactor. (INIS-mf – 3963) 353575
Petrov, V.I.
A study of inelastic pion-nucleus interactions at 200 GeV/c in an emulsion. 356481
Subnanosecond silicon detector. 371074
Petrov, V.P.
Effect of hydrogen on the heat affected zone of low-and medium-alloyed steels. 349496
Heat transfer on natural convection from a horizontal cylinder to CO_2 under supercritical pressure in conditions of cooling. (INIS-mf – 3957) 363104
Optimal relationship between components of emergency protection actuator operating time. 379589
Petrov, V.V.
Velocity of sound in curved space-time. 348611
Petrov, Yu.I.
The recrystallization of gamma-1 and beta-quenched commercial uranium. 359993
Petrov, Yu.N.
Effect of hydroextrusion on the armco-iron and U-8 steel structure and properties. 373176
Particularities of anodic dissolution of rhenium in neutral and alkaline solutions at high current densities. 378245
Petrov, Yu.V.
The cross section of inelastic neutron acceleration for indium isomers. 372653
Petrova, Eh.N.
Tungsten and molybdenum extraction from electrochemical processing wastes. 351714
Petrova, G.S.
On interaction of molybdenum(6) with resarson and 2,2',4'-trihydroxy-5-chlorazobenzene. 369552
Petrova, I.Yu.
Energy yield of roentgenoluminescence of polycrystal phosphors. 368797
Investigation of radiation and excitation spectra and peculiarities of roentgenoluminescence of oxysulfides activated by terbium. (INIS-mf – 3955) 362147
Petrova, L.E.
Time dependence of the yield of chromosome mutations and free radicals in γ-irradiated dry seeds. 370333
Petrova, L.G.
Determination of bismuth and lead in ferroniobium by the method of inversion voltammetry. 372910
On the "memory" effect and its relation to the mechanism of formation of mercury-graphite electrode in inversion voltammetry. 372908
Petrova, L.V.
Study on rhosub(f)(H,T) in type-2 superconductors. (JINR – 8-8015) 349047

Petrova, S.G.
Representations of the superconformal algebra. 348604
Petrova, T.G.
Properties of micron-cross-section wires of molybdenum-rhenium alloys of electron beam melting. 367280
Torsions and suspenders of MR47-VP alloy. 365188
Petrova, T.V.
On reaction of alkali metal hexafluorogermanates with acetic acid solutions. 362209
Petrovich, A.
Production of multifilamentary Nb_3Sn composites incorporating a high tin bronze. (UCRL - 13717) 364239
Petrovich, F.
Core polarization in inelastic scattering. 359435
Density dependent interactions and the consistency of folding estimates of nucleon-nucleus and nucleus-nucleus potentials. 362017
Quadrupole effects in the elastic scattering of ^{10}B, ^{11}B and ^{12}C by ^{27}Al. 354248
Petrovich, V.Yu.
Numerical study of heat and mass transfer in N_2O_4 turbulent flow in a circular tube and a fuel element cluster. (INIS-mf - 3953) 379436
Petrovichev, V.I.
Hydraulic resistance and heat transfer in systems for superconducting magnets cooling. (INIS-mf - 3954) 361523
Hydraulic resistences in helium forced two-phase flow in channels. 379427
Nucleate and film boiling heat transfer to saturated liquid helium. 349970
Petrovici, A.
Gamma-gamma angular correlations in ^{151}Sm. 356691
Properties of the 635.4 keV level in ^{171}Tm. 375157
Petrovici, M.
Proton scattering on ^{238}U and the probable isobaric analogue resonances. 356579
Resonances analog to parent states in continuum. 356707
Petrovicj, B.
Radiation hygiene of animal production in normal and emergency situations. 370369
Petrukhin, A.A.
High-energy muon production in atmosphere. 365333
Inelastic interaction of muons with Fe nuclei at small Q^2 in the energy range above 200 GeV. 375066
Study on nuclear interaction cross-section of muons in cosmic rays. 362042
Petrukhin, A.I.
J/psi production off Be, Cu and W by 43 GeV/c negative pions. 369344
Petrukhin, N.V.
Gamma radiolysis of aqueous solutions of dimethylamine. 365035
Petrukhin, V.I.
A direct measurement of the rates of formation of ppμ and pdμ molecules in gaseous hydrogen. 355866
Study of atomic capture and recapture of pions minus in mixtures of hydrogen with other gases. 355912
Petrunin, D.M.
BIPR-5 program for the calculation of three-dimensional power distribution and fuel burn-up in the one-group diffusion approximation for WWER type reactors. (IAE - 2518) 350211
BIPR-5 program. (IAE - 2519) 358608
Petrunina, A.A.
Crystal structure of ytterbium chromite. 351596
Petrunina, T.I.
J/psi particle production in π^--N interactions at 27 and 40 GeV/c. 369364
Petrusenko, G.P.
Activity of DNA-ases and ptoteases in the low-dose-irradiated rat tissues. (INIS-mf - 3912) 373519
Petrusenko, Yu.T.
Radiation-stimulated self-diffusion of nickel. (KFTI - 74-47) 353505
Petrushevskij, M.S.
Investigation of the hydrogen solubility in the Fe-Co-Ni liquid alloys. 357315
Petrushin, N.V.
Molybdenum thermal conductivity and electrical resistance in the temperature range of 300 to 2600 K. 378663
Solution temperatures of hardening intermetallic phases in heat-resisting nickel alloys. 369992
Petruzzi, J.
Anisotropic production of laser-plasma soft x rays and fast electrons from thin plastic targets. 372074
Petry, W.
A Lorentz invariant theoretical model for a particle with spin. 368577
A Lorentz-invariant theory of gravitation. 371421
Petryaev, E.P.
Determination of dose and the effective value of linear energy transfer of mixed n, γ-radiations from the radiolysis products of methanol and ethanol. 351639
Petryanov, I.V.
Release of volatile fission products from atomic power stations and fuel reprocessing facilities to the atmosphere and the outlook for their recovery. 367194
Petryka, L.
Identification of copper ore processing by means of radioactive tracers. 375745
Petrykin, Yu.S.
Problems of optimum solution selection on the development of automation control of experiments on laser thermonuclear fusion. (INIS-mf - 3954) 364270
Petrzhak, K.A.
Determination of neutron mean number on fission event of ^{252}Cf. (INIS-mf - 3896) 357875
Petrzilka, V.
Twenty years of the Joint Institute for Nuclear Research in Dubna. 368500
Petrzilova, H.
Extraction separation of americium and curium. A review. (UJV - 3638-CH) 369759
Petsuc, Aochi
Wet retreatment method of used fuel. (ZAED-tr - 77/4) 375749
Petsyukha, R.A.
On the application of radioactive tracers when investigating the wells being drilled or exploited. 375993
Petterson, J.A.
Twisted accretion disks. II. Applications to X-ray binary systems. 359148
Pettersson, K.
Estimation of the possibility for delayed failure in Titanium. (KBS-TR - 26) 362437
The suitability of Titanium as a corrosion resistant canister for nuclear waste. (KBS-TR - 11) 362297
Petti, R.J.
Some aspects of the geometry of first-quantized theories. 368578
Pettifer, J.
Heater control apparatus. (UK patent document 1480500/A/) 350329
Pettifor, D.G.
Theory of energy bands and related properties of 4d transition metals. 374761
Pettigrew, M.J.
Experimental studies on flow-induced vibration to support steam generator design. (AECL - 5804) 360823
Flow-induced vibration analysis of heat exchanger and steam generator designs. (AECL - 5826) 360824
Flow-induced vibration of nuclear power station components. (AECL - 5852) 360949
Pettinger, D.S.
Core construction for nuclear reactors. (German (F.R.) patent document 1639361/B/) 370986
Pettit, J.E.
Quantitative scanning in functional studies of erythropoietic tissues. 370446
Petty, R.L.
Advanced carbide fuels: U.S. experience. (LA-UR - 77-1353) 352720
Design and performance of shroud tubes. 379771
Design and performance of shroud-tubes in sodium-bonded advanced fuel elements. (LA-UR - 77-1250) 358291
Petukhov, A.A.
Complexing of variable-valence metals with alcohols. 351575
Petukhov, V.A.
Experimental study on thermal expansion of a number of structural materials. 375874
Formation of complexes with electron transfer in interaction of amines, alcohols and olefins with metal carbonyls. 378352
Standard samples for dilatometry. 354490
Thermal expansion of molybdenum. 370019
Petukhov, V.I.
Broaching in askew roll mill using ultrasonic waves. (INIS-mf - 3914) 349404
Petukhov, V.K.
Relative probabilities of the Auger KLM and KLN transitions in intermediate and heavy atoms ($35/(<=)/Z/(<=)$). 376965
Petukhov, V.P.
Cross sections for the Mα, Mβ and Mγ X-ray production in Pt and Pb as a function of the proton energy. 377098
Ionization of atom l-shells by protons in the energy range from 250 to 500 kev. (INIS-mf - 3915) 348718
Measurement of cross section of atom inner shell ionization by 150-500 kev protons. (INIS-mf - 3915) 348726
Petukhov, Yu.I.
Behaviour of active corrosion products in a system of boiling water power channel type reactor of a single-circuit NPP. 379676
Petukhova, A.S.
Nitrides in the lanthanum, yttrium, neodymium structure. (INIS-mf - 3839) 367241
The probability of vanadium hydrogenation in the course of metallographic preparation. (INIS-mf - 3839) 365139
Studying structure characteristics of $Zr_5Al_4(h)$ intermetallic compound. (INIS-mf - 3839) 367255
Petukhova, T.M.
Recrystallization structure of the lunar nickel-containing iron. 349495
Petunina, N.I.
Conditions for formation of decahexa- and dodecavanadates of calcium, strontium and barium. 359621
Investigation into some phosphoric acid esters as extraction agents for tantalum and niobium. 362170
Petushkov, S.A.
Polarized neutron intensive beam on a vertical reactor channel. 371063
Petviashvili, V.I.
Three-dimensional solution of an ordinary wave and type I solar radio bursts. 349011
Petyrek, P.
Regeneration of hematopoietic and lymphoid issues after whole-body irradiation and thiamine diphosphate therapy. 376115

Petzold, J.
Generalized Caldirola equations for the classically radiating electron. 355913
Peugnet, C.
Kinetic temperature measurement of the front surface of a target exposed to an intense pulsed electron beam. 350922
Peuron, U.A.
Mechanical design of the Doublet III indented vacuum vessel. (GA-A - 14591) 371776
Peuser, F.A.
Use of laser-micro-emission-spectroscopy for local determination of impurities in graphite reactor materials. (Juel - 1439) 367049
Peuser, P.
New neutron-deficient tellurium, iodine, and xenon isotopes produced by reactions of 290 MeV ^{58}Ni ions on ^{58}Ni and ^{63}Cu targets. 364793
Pevtsov, V.V.
Intrusioned α spectrometric detector. 379932
Intrusioned Li-drifted Si detector. 379933
Pexton, A.F.
The construction of Hunterston 'B' AGR. 352698
Pexton, R.L.
Roots of two transcendental equations involving spherical bessel functions. 350538
Peyaud, B.
A detector for high-energy neutrino interactions. 379899
Is there a high-y anomaly in antineutrino interactions. 351222
Like-sign dimuon events produced in narrow-band neutrino and antineutrino beams. 356512
Measurement of the neutral to charged current cross section ratio in neutrino and antineutrino interactions. 361888
Observation of a neutrino event with four energetic muons. 372525
Observation of trimuon events produced in neutrino and antineutrino interactions. 356511
Study of inclusive neutral current interactions of neutrinos and antineutrinos. 369377
Peyrard, J.
Superconductivity of the linear trichalcogenide $NbSe_3$ under pressure. 351868
Peyraud, C.
Direct observation of labelled aerosols deposition into the respiratory tract of the rat. 354837
Peyresblanques, H.
Managing anticipated collective doses. 360465
Peyrou, Ch.
K^0 production in e^+e^- annihilation. 353983
Total cross sections for charged-current neutrino and antineutrino interactions in BEBC in the energy range 20-200 GeV. 353945
Pezzilli, M.
Influence of the axial distribution of heat flux on sodium boiling in forced convection. (CONF-761001 - P4) 362980
Pfaender, F.K.
Production and fractionation of $^{14}CO_2$ labeled smooth cordgrass, Spartina alterniflora. 352097
Pfaffelhuber, J.
Purpose and licensing status of the ASSE test storage facility. 376826
Pfann, H.
The radiationchemical reaction between F-methylcyclohexane, glass and oxygen. 359801
Pfannenstiel, P.
Clinical importance of quantitative scintigraphy of bone joints. (INIS-mf - 4010) 357701
Quantitative scintigraphy of the sacro-iliacal joint. (INIS-mf - 4010) 357711
Pfannes, H.D.
The texture problem in Moessbauer spectroscopy. 353480
Pfeffer, G.
Rotational sudden approximation at low energies. 350668
Pfeffer, W.
Fusion and direct reactions between 92 MeV ^{19}F and ^{12}C. 372781
Pfeifer, J.P.
Comparison of bone and non-bone concentration parameters of sup(99m)Tc-MDP and sup(99m)Tc-pyrophosphates in 350 patients using the ROI-technique. (INIS-mf - 4010) 357604
A method for predicting the behaviour of materials in high temperature reactor (HTR) environments using a computerised thermodynamic approach. (KFA-IRW-IB - 21/75) 355425
Pfeifer, W.
A detailed analysis of the reaction ^{92}Zr(p, α)^{89}Y. 377891
Separation of krypton and xenon from the offgas of nuclear facilities. (KFK - 2435) 357914
Pfeiffer, B.
The decay of ^{136}Te (20.9s). 354262
Experimental beta-decay energies of short-lived light fission products. 375207
Pfeiffer, E.
Measuring technology and data processing in a pen dosimeter evaluation unit. 357847
Use of an evaluation device for rod dosimeters in the process computer-aided personnel dosimetry monitoring at the Philippsburg nuclear power station. 355032
Pfeiffer, E.F.
Release of immunoreactive and radioactively prelabelled endogenous (pro-)insulin from isolated islets of rat pancreas in the presence of exogenous insulin. 349813
Pfeiffer, H.J.
Experimental study of the reaction ^{7}Li(π^+, π^0)^{7}Be in the (3, 3) resonance region. 366961
Measurement of gamma-rays, neutrons and charged particles after π^--capture in nuclei. 378077
A new upper limit for the decay $\mu^+ \rightarrow e^+\gamma$. 369383
Pfeiffer, I.
Mechanical behaviour of Nb_3Sn superconductors. 359973
Pfeiffer, K.W.
Analyses of occupational radiation exposure received at Gundremmingen nuclear power station, and its implications on the design of current and future power plants. 370549
Pfeiffer, L.
Mobility of positrons in silicon. 353469
Pfeiffer, R.J.
Linear polarization of close binaries. 361725
Pfeil, W.
Compilation of pion photoproduction data. 351226
Pfeilsticker, K.
Residues of 1-^{14}C-acrylonitrile in fumigated dry food. 354913
Pfirsch, D.
Diffusive tokamak equilibria, generalized bootstrap currents and the relation between particle diffusion and magnetic field diffusion. (IPP - 6/155) 353523
Pfister, G.
Study of the local variation of RBE and OER for neutron therapy. 378973
Pfleger, R.C.
In vivo metabolism of pulmonary alveolar epithelial type II pneumonocytes and macrophages from Syrian hamsters. (LF - 56) 362846
Synthesis of surface-active phospholipids by a cell culture of a combined cell carcinoma of the lung from a beagle dog. (LF - 56) 362845
Pfleging, M.
Ion induced ejection of neutral molecules from Ni-W and Ni-Mo alloys. (INIS-mf - 3996) 364082
Pflug, D.R.
Calculation of the magnetic susceptibility of H_2 by the distinguishable electron method. 351870
Pflug, L.
The comparison of π^+ and π^- elastic scattering from ^{16}O, ^{40}Ca and ^{208}Pb. (ISN - 77-36) 359449
The elastic and inelastic π^+ and π^- scattering from complex nuclei. (ISN - 77-31) 369459
Systematic study of the energy dependence of the elastic π^+-^{16}O scattering in the region of the (3,3) resonance. (ISN - 77-37) 362032
Pfohl, R.
Dosimetry of cosmic particles in nuclear emulsions for the Apollo 16, 17 and Apollo-Soyouz-test-project experiments (1972-1975). 360541
Phadke, A.V.
Uranium and thorium resources and development of techniques and equipment for their prospection. 365300
Phadnis, U.V.
Establishment of a precision long counter as a secondary standard for fast neutron flux density measurement. (BARC - 916) 374334
A fast neutron detector with linear energy response. 374335
Phalangas, C.J.
Polymerization of unsaturated monomers with radiation in the presence of salts. (US patent document 4,024,040/A/) 351653
Phalen, R.F.
Improvements in deposition models for estimating dose distribution from inhaled aerosols. 360331
Pham Quoc Hung
The hyperfine quadrupole interaction observed in binary Agsub(x)Ysub(1-x). (INP - 866/PL) 371569
Pham, D.-L.
Optical model analysis for 30MeV polarized proton elastic scattering. (ISN - 77-25) 359515
Pham, M.T.
Characterization of ion implanted silicon by the electrolytic reverse current. 371613
Ion implanted silicon-electrolyte interface. 356036
Pham, T.N.
Muskhelishvili-Omnes integral equation with inelastic unitarity: Single- and coupled-channel equations. 359307
Renormalization group and the high energy behavior of the forward scattering amplitude. 349074
Pham, X.Y.
The semileptonic decays of charmed particles. 359298
Some problems with the hyperfine structure of charmonium. 356454, 369324
Phaneuf, R.A.
Absolute cross sections for 2s-2p excitation of C^{3+} by electron impact. 368709
Electron transfer between multicharged ions and atomic hydrogen. 358806
Inelastic collisions of excited atoms and molecules at thermal energies: sensitized fluorescence of cesium and rubidium atoms and of mercury molecules. 358805
Pharis, R.P.
Preparation of radioactive gibberellins A_{20}, A_5 and A_8. 359750
Phat, T.H.
High-energy scattering and the Jost-Lehmann-Dyson representations. IV. 369325
High-energy scatterings and the Jost-Lehmann-Dyson representations. III. 356455
Phatak, S.C.
Pion-induced knock-out reactions. (INIS-mf - 4139) 372625
Phelps, A.D.R.
Waves and microinstabilities in plasmas - linear effects. 364158

Phelps, D.A.
Magnetic compression and electrostatic reflection of very high upsilon/γ electron beams. 363318
Phelps, J.S. III
Flux-depression factors for scattering and absorbing media. 374140
Phelps, M.E.
ECAT: a new computerized tomographic imaging system for position-emitting radiopharmaceuticals. (UCLA - 12-1132) 370447
Emission computed tomography. (UCLA - 12-1121) 352121, 373683
Investigation of ^{18}F-2-deoxyglucose for the measure of myocardial glucose metabolism. (UCLA - 12-1142) 379114
Philbin, J.S.
Large scale test technology. (SAND - 77-1117C) 365594
Subcriticality design considerations for LMFBR spent fuel shipping casks. 360696
Temperature capability for DTF-IV (DTF-71 version). (SAND - 76-0742) 351253
Philip, A.G.D.
Comparison of observations with main-sequence evolutionary models. 372236
The distribution of field horizontal-branch stars in the galactic halo. 369181
Philipenko, L.A.
Droplet model description of the division of charge in fission. 372575
Philipp, J.
Nuclear plant supply contracts meet transfer of technology requirements. 352514
Philipp, P.
Mass flow measurement with an infrared absorption measuring unit in the MARVIKEN-II blowdown experiments. 370876
Philippe, L.
Processing and interpretation of dynamic curves in Nuclear Medicine. 354936
Philippe, M.
Model potential calculations of akali rare-gas interaction. 353376
Model potential calculations of alkali rare-gas interaction. 377138
Philippot, J.C.
Metrology and ecology. 361051
Philippov, G.
A quantum calculation of the blocking effect. (INIS-mf - 3995) 377223
Philippov, V.V.
A mathematical model of monoenergetic gamma-ray spectra. 368482
Philippow, N.W.
Method for the determination of the spectral composition of power-full energy-rich deuteron bundles generated in the plasma focus. (ZAED-tr - 77/3) 369502
Philippowa, T.I.
Method for the determination of the spectral composition of power-full energy-rich deuteron bundles generated in the plasma focus. (ZAED-tr - 77/3) 369502
Philips, C.M.
A new model of ^{18}F-fluoride kinetics in humans. Simulation by analogue computer. 354832
Philips, R.J.N.
Determination of parton sea from μ pair production data. 372360
Philis, C.
Experimental and theoretical aspects of effective neutron cross-section evaluation for yttrium nuclei in the 10 keV - 3 MeV energy range. (INIS-mf - 4043) 366951
Titanium-II: an evaluated nuclear data file. (ANL/NDM - 28) 369503
Phillion, D.W.
Brillouin scatter in laser-produced plasmas. (UCRL - 79769) 366615
Energy balance measurements for Shiva. (UCRL - 79801) 377409
Evidence for profile steepening in laser-irradiated plasmas. 364240
Phillips, A.C.
Three-body systems in nuclear physics. 351302
Phillips, A.P.
LTE line blanketing of an early B star atmosphere by ultraviolet lines using accurate damping constants. 359149
Phillips, B.A.
Phase diagrams and thermodynamic studies of the Cs-Cr-O, Na-Cr-O and Na-Fe-O systems and their relationships to the corrosion of steels by caesium and sodium. 375731
Phillips, C.R.
Radiological survey of Puget Sound Naval Shipyard Bremerton, Washington, and environs. (EPA - 520/5-77-001) 357511
Use of the thin dielectric track detector as particle discriminator. 368312
Phillips, D.
Na KK vacancy production in Na-Ne collisions. 363908
Phillips, D.S.
Application of high-resolution TEM to ceramic science. 373300
Phillips, G.
The controlled-potential coulometric determination of plutonium based upon cerium oxidation and the PuO_2^{2+}/Pu^{4+} valency change. (AERE-R - 8885) 364906
Phillips, G.C.
A binary encoded position-sensitive scintillation hodoscope. 371104
Mechanisms in d + ^{6}Li three-body reactions at low bombarding energies. 356836
Phillips, G.J.
Future developments in nuclear power. (AECL - 5800) 360950
Phillips, G.O.
Effects of ^{60}Co γ-irradiation on chondromucoprotein. 351991
Phillips, G.W.
The continental component of a Pacific Marine aerosol. 375304
Phillips, J.E.
Health physics aspects of fusion power. (ORNL - 5171) 367565
Phillips, J.P.
Characterization and radiobiologic parameters of medulloblastoma in vitro. 373494
Phillips, L.
Some aspects of the vacuum system for the proposed storage ring CESR. 363159
Phillips, L.A.
Markets for components of a heavy water plant. 363070
Phillips, L.J.
Energy deposition in neutral hydrogen by an intense relativistic electron beam. (INIS-mf - 3963) 371828
Phillips, M.K.
Catalytic proton bridge in acetylimidazolium ion hydrolysis implicated by a proton inventory. 357021
Phillips, R.E.
Calculations of void streaming in the Argonne gas-cooled fast reactor critical experiments. 374275
Phillips, R.J.N.
Are new weak gauge bosons a viable explanation of neutrino trimuon production. 356391
Fragmentation function for heavy quarks. 353763
Multihadron semileptonic decays of charmed mesons. 359226
Symmetric dimuons from neutrinos. 353764
Phillips, S.
Angular diameter counts of galaxies: a method for determining the selection criteria for deep Schmidt plates. 356223
Phillips, T.L.
Acute and late effects of multimodal therapy on normal tissues. 357601
Phillips, W.A.
Dose assessment at Bikini Atoll. (UCRL - 51879(Pt.5)) 352073
Phillips, W.D.
Angular distribution of fine structure changing collisions of excited Na. 353330, 377100
Velocity dependence of fine structure changing cross sections. 353329, 377099
Phillips, W.M.
Nuclear thermionic converter. (N - 77 - 18891) 352471
Phillips, W.R.
Effective charges and radial integrals in A = 17 nuclei. 356594
Preliminary study of favorability for uranium of the Sangre de Cristo Formation in the Las Vegas basin, northeastern New Mexico. (GJBX - 82(77)) 378870
Phillipson, A.T.
In vitro assimilation of ^{14}C from labelled sodium bicarbonate by rumen bacteria. 352091
Phillipson, D.J.C.
Why nuclear debate in Canada has intensified - and why it will continue. 360469
Philo, J.S.
High-sensitivity magnetic susceptometer employing superconducting technology. 367925
Philpott, R.J.
Application of the v-w formalism to the continuum shell model. 372654
Continuum shell model with full correction for target recoil. 356645
Philpotts, J.A.
Trace element distribution in mineral separates of the Allende inclusions and their genetic implications. 354668
Phinney, J.D.
Nuclear plant startup support problems experienced by B and W. 358237
Phipps, C.R. Jr.
Saturation behavior of p-type germanium at CO_2 laser wavelengths. 359832
Phipps, T.E. Jr.
Comment on Marinov's light velocity experiment. 376930
Phizacklea, P.M.
A measurement of the polarization parameter in large angle proton-proton elastic scattering at 7.9 GeV/c. 356484
Phoenix, W.C.
Reactivity measurements of St. Lucie shims at the advanced reactivity measurement facility. 358097
Photis, J.M.
Molybdenum(0) catalysis of [1,5]sigmatropic carbon migration in unsaturated [4.4.2]propellanes. Deuterium isotope effects, kinetics, and mechanism. 378365
Phua, K.K.
A different approach for charged multiplicity distributions in hadron-hadron collisions. 361811
An independent determination of SU_3 coupling from inclusive spectra. 369310
Phukan, A.N.
Interacting bosons and properties of liquid ^{4}He at low temperatures. 375002
Phung, D.L.
Cost comparison between base-load coal-fired and nuclear plants in the mid-term future. (CONF-760744 -) 357723, 374465
Economic and environmental implications of a U.S. nuclear moratorium, 1985 - 2010. (ORAU/IEA - 76-4) 352305
Pi, S.
$e^+ + e^- \rightarrow U^+ + U^- \rightarrow \mu^{-*}$/sup [e +- /+neutrinos: general considerations. 359308
What can we learn from $e^+e^- \rightarrow U^+U^- \rightarrow \mu^{+-}$hadrons + neutrinos. 359258
Piacentini, R.D.
Excitation transfer in thermal collisions between atomic hydrogen

isotopes. 358755
Piaggio Bonsi, R.
Stability of various RTL calcium sulfates used for environmental measurements. 355547
Pianetta, P.
Oxygen sorption and excitonic effects on GaAs surfaces. 351855
Surface and interface states on GaAs(110): Effects of atomic and electronic rearrangements. 351872
Piano-Mortari, G.
Description and performance of MEA, the magnetic detector at ADONE. 379480
Multihadron production e^+e^- annihilation at 1.6 c.m. energy. 364575
Piano, A.
Small changes in the atmospheric electric field from extensive air showers. 365318
Piatkowski, A.
The application of the MERA-302 minicomputer to the survey of radioactive contamination of the biosphere around atomic power station. 355574
Piatrik, M.
Surface temperature measurement with radioactive kryptonates. 379422
Piazza, L.R.
4.7s nearly periodic oscillations superimposed on the solar microwave great burst of 28 March 1976. 356266
Picard, J.
$^{12}C(\pi^-,p)^{11}Be$ reaction induced by pions at rest. (LYCEN – 7702(pt.1)) 369473
Picart, J.
The semi-analytical JWKB phase shift in elastic scattering. 368712
Picchi, P.
Results of the Torino search for quarks. 369362
Picciarelli, V.
Evidence for a narrow width boson of mass 2.95 GeV. 372519
Inclusive anti K^{*0} (890) production in π^-p interactions at 16 GeV/c. 356507
Observation of the reactions $\pi^-p \rightarrow$ anti pd at 10 and 16 GeV/c. 372520
Peripheral anti pn production and decay angular distributions in the reaction $\pi^-p \rightarrow$ (anti pn)p at 12 GeV/c incident momentum. (BONN-HE – 77-14) 366886
Production of phi and f' in 10 GeV/c K^-p interactions. 353959
The slow proton trigger for the CERN OMEGA spectrometer. 368293
Piccinotti, G.
Inverse compton revisited: galactic far infrared and optical photon fields, high energy electrons and medium energy gamma rays. 353666
Piccolo, M.
D meson production and decay in e^+e^- annihilation at 4.03 and 4.41 GeV c.m. energy. 353989
Description and performance of MEA, the magnetic detector at ADONE. 379480
Electron-muon and electron-hadron production in e^+e^- collisions. 366879
K^0 production in e^+e^- annihilation. 353983
Multihadron production e^+e^- annihilation at 1.6 c.m. energy. 364575
Properties of the proposed tau charged lepton. 356517
A search for neutral heavy leptons. 356514
Spin analysis of charmed mesons produced in e^+e^- annihilation. 351228
Pichkaev, N.A.
Determination of internal defects in VA type tungsten wire using torsion pendulum. 351789
Pichler, G.
Cytological analysis of X-ray-induced aberrations in spermatocytes I and the somatic ganglia of male Drosophila melanogaster. 354730
Pichon, J.
On the control of ribosomal protein biosynthesis in Escherichia coli. 354953
On the control of ribosomal protein synthesis in Escherichia coli. 360396
Pichugin, A.P.
Characteristics of protons emitted into the backward hemisphere in pion-nucleus interactions. 369375
Pichugin, G.P.
Development and investigation of a two-line tube rolling on the KhPT-55 cold tube rolling mill. 349408
Pichugin, N.G.
Use of discharge in hollow cathode during spectral determination of some impurities in graphite powder. 375328
Pick, M.
The Mark II Nancay radioheliograph. 372129
Pulse radiolytic studies of aqueous $Mn(ClO_4)_2$ solutions. Progress report, September 1, 1976 – July 1, 1977. (COO – 3221-44) 357174
Pick, M.A.
Investigation of the precipitation morphology in the $\alpha+\alpha'$ two-phase region of the niobium – hydrogen system by γ-ray diffraction. 362402
Pick, R.J.
Factors associated with support plate forces due to heat-exchanger tube vibratory contact. 358609
Pickard, P.S.
Calculated physics and performance parameters for the ACPR upgrade. (SAND – 77-1080C) 368252
Large scale test technology. (SAND – 77-1117C) 365594
User's manual for the CDC-6600 version of AMPX. (SAND – 77-1148) 377850
Pickart, S.J.
Small-angle magnetic scattering from a dilute amorphous Fe(Tb) alloy. 373255
Pickett, W.E.
Superconductivity and phonon softening. III. Relation between electron bands and phonons in Nb, Mo, and their alloys. 365175
Pickles, J.B.
The chemistry of interstellar nitrogen. 372238
Interstellar nitroxyl. 369182
Model for surface reactions on interstellar grains – a numerical study. 372237
Pickman, D.O.
SGHWR fuel performance, safety and reliability. 365965
Pickrell, J.A.
Hepatic degeneration in beagle dogs after chronic hepatic beta-irradiation. (LF – 56) 365413
Pulmonary collagen metabolism in irradiated hamsters and those treated with corticosteroids. (LF – 56) 362748, 362749
Pulmonary injury mechanisms revealed by cytologic analyses of bronchopulmonary lavage. (LF – 56) 362750
Toxicity of inhaled ^{144}Ce in fused aluminosilicate particles in beagle dogs. IX. (LF – 56) 365427, 365428
Toxicity of inhaled $^{144}CeCl_3$ in beagle dogs. X. (LF – 56) 365411
Toxicity of inhaled $^{238}PuO_2$ in beagle dogs. A. Monodisperse 1.5 μm $^{238}PuO_2$. B. Monodisperse 3.0 μm $^{238}PuO_2$ particles. III. (LF – 56) 362740
Toxicity of inhaled ^{90}Sr in fused aluminosilicate particles in beagle dogs. VII. (LF – 56) 365458
Toxicity of inhaled $^{90}SrCl_2$ in beagle dogs. X. (LF – 56) 365410
Toxicity of inhaled ^{90}Y in fused aluminosilicate particles in beagle dogs. VIII. (LF – 56) 365440
Toxicity of inhaled ^{91}Y in fused aluminosilicate particles in beagle dogs. VII. (LF – 56) 365441
Toxicity of injected $^{137}CsCl$ in beagle dogs. IX. (LF – 56) 365443
Picozza, P.
^3He production in ^4He fragmentation on protons at 6.85 GeV/c. 354154
Angular distribution measurement of the reaction $\alpha p \rightarrow {}^3He$ d at 3.98 GeV/c. 354147
Coherent production in the dp interaction. (CNEN-LNF – 75-56(R)) 364647
Picraux, S.T.
Analyzing hydrogen with nuclear reactions. 365207
Channeling location studies of implanted D in Si. (INIS-mf – 3996) 364093
Low concentration oxygen depth profiling by the $^{16}O(d,\alpha)^{14}N$ reaction. (SAND – 77-0424C) 351450
Statistical equilibrium spatial density in planar channeling. (SAND – 77-0361) 351255
Pidcock, M.K.
Anti KN interactions in the resonance region. III. 353869
Pidzyrajlo, N.S.
On luminescence of $SrCl_2$-Eu^{2+} single crystals. 350967
Piechowska, M.J.
The effect of ecdysterone on ^3H-uridine incorporation into fat body RNA in caterpillars of Celerio euphorbiae L. (Lepidoptera). 373665
Piecuch, M.
Electric field gradient in pure hexagonal transition metals. 356037
Pieczynska, E.
A program of hydrological studies of the Zarnowieckie lake and the prognosis of the changes resulting from the operation of atomic and pump-storage power stations. 357830
Piehl, K.H.
Materials designed for containments. (AED-Conf – 76-747-004) 354548
Piejak, R.B.
Excitation of a parametric decay instability by an electromagnetic wave at twice the upper hybrid frequency. 364241
Piekaar, H.W.
Proposal for skin heating of the Frascati tokamak. 353614
Skin heating and confinement in a tokamak plasma. (INIS-mf – 3963) 371916
Piel, D.
Effects of fuel-sodium interaction in TOP tests with electrically heated fuel pins. (CONF-761001 – P4) 362871
Pieles, N.
Probe for soil examination. (German (F.R.) patent document 2545851/A/) 376012
Piemontese, L.
Reconstruction of the momentum of a particle moving in an axially symmetric magnetic field. 358344
Pienoni, R.R.
Multipurpose nuclear process heat for energy supply in less-industrialized countries. 352520
Piepenbring, R.
Effective matrix elements in deformed nuclei. 354099
Real and complex boson expansions in even-even deformed nuclei. 354109
Pieper, A.G.
Transient ion-simulated irradiation-induced creep of nickel. 360110
Pieper, M.
Level density parameters of ^{47}Ti and ^{50}V. 375196
Pieper, S.C.
Inelastic scattering of ^{16}O on even-Ca isotopes. (CONF-770968 – 6) 372808, 378050
Speakeasy-3 reference manual. Level MU. IBM OS/VS version. (ANL – 8000(Rev.2)) 366208

Piepgras, U.
The angiographical diagnosis of growing and displacing intracranial processes. 354954
Growing and displacing infarcts. (AED-Conf – 77-395-001) 367698
Piepsz, A.
Scintigraphic evaluation of liver size in children and adults. 352108
Pierantoni, F.
Review of fast reactor activities in Italy, April 1977. (IWGFR – 18) 363521
Review of fast reactor activities in Italy, March 1976. (IWGFR – 12) 358297
Pierazzini, G.M.
Measurement of $\pi^- p \rightarrow \pi^0 n$ at large momentum transfer. 372503
Observation of a meson X → 2γ, with mass 2.85 GeV/c², produced in the charge-exchange reaction $\pi^- p \rightarrow Xn$ at 40 Gev/c. 377780
Study of the reaction $K^- p \rightarrow$ anti $K^0 n$ at momenta of 25 and 40 GeV/c. 356482
Pierce, A.K.
Solar limb darkening in the interval 7404-24 018 A. II. 349022
Pierce, B.L.
Heat transport research and development for the nuclear powered artificial heart. 379394
Nuclear reactor auxiliary heat removal system. (US patent document 4,057,465/A/) 379305
Pierce, F.D.
Semi-automated technique for the separation and determination of barium and strontium in surface waters by ion exchange chromatography and atomic emission spectrometry. 372913
Pierce, R.D.
Effect of high external thermal loading on LMFBR subassembly integrity. (CONF-770807 – 38) 365606
Thermal and stress analyses of meltdown cups for LMFBR safety experiments using SLSF in-reactor loops. (CONF-770807 – 40) 365521
Pierce, T.B.
Experience with the use of the nuclear microprobe for determining light element distributions. 369567
Piercey, R.B.
Coulomb excitation of 2^+ and 3^- states in ^{192}Pt and ^{194}Pt. 359519
Pierer, H. v.
The significance of preliminary decision and construction design approval in nuclear licensing procedures for the manufacturer. 352982
Pierini, G.C.
Homogenized-cell diffusion parameters from transport codes. 360760
Pieroni, R.R.
Preparation of radioinsulins for radioimmunoassay. (IEA – 472) 352171
Pierre, B.
The possibilities of direct-cycle nuclear power stations. 379700
Pierre, F.M.
D meson production and decay in e^+e^- annihilation at 4.03 and 4.41 GeV c.m. energy. 353989
K^0 production in e^+e^- annihilation. 353983
Spin analysis of charmed mesons produced in e^+e^- annihilation. 351228
Pierre, J.
Behaviour of crystal field parameters in ErM and HoM equiatomic compounds, in relationship with band structure. 378726
A canted magnetic structure in an S-ion compound: GdMg. 378692
Crystal field in some light rare-earth compounds with the cubic CsCl structure. 374752
Spin waves in HoZn. 378642
Pierre, K.
Flow meter for gaseous mediums of high temperature. (German (F.R.) patent document 2106899/B/) 376730
Pierson, E.S.
Experimental two-phase liquid – metal magnetohydrodynamic generator program. Annual report, August 1975 – September 1976. (ANL/MHD – 77-3) 377673
Pierson, H.O.
Coating of metals with titanium diboride by chemical vapor deposition. (SAND – 77-0363C) 351841
Piesch, E.
Automatic spark counting of fast neutron induced recoil particles in polymers. 368315
High-dose characteristic of LiF and $Li_2B_4O_7$ thermoluminescent dosimeters. 379867
Progress in albedo neutron dosimetry. 355576
TLD and RPL dosemeter performance criteria for environmental monitoring based on type tests and long-term experience. 355575
Pietkow, I.
Radioisotope level indicators for continuous measurement and level regulation. (INIS-mf – 4015) 373957
Pietra, R.
Application of neutron activation analysis to metallobiochemistry. 369543
Comparison of various analytical techniques for homogeneity test of candidate standard reference materials. 372865
Pietrow, L.
Radioisotope level indicators for continuous measurement and level regulation. (INIS-mf – 4015) 373957
Pietrzak, C.
70 kW electron beam furnace for molybdenum melting. 374107
Pietsch, H.B.
Symposium 'geology, mining and extractive processing of uranium, with special reference to Europe'. 365289
Pietsch, W.J.
Channeling of positive and negative pions in a silicon crystal. (CONF-770931 – 5) 375092
The interactions of fast molecular-ion beams with matter. (INIS-mf – 3995) 377191
Pietschmann, H.
High energy behavior of weak interactions and renormalizable theories. (IN2P3 – 77-01) 369326
Piety, K.R.
Statistical algorithm for automated signature analysis of power spectral density data. (CONF-770902 – 2) 368006
Pietz, H.U.
Handling of spent fuel elements at the Kalkar nuclear power station. 371041
Pietzsch, D.
Experience with airborne iodine production. 349995
Pietzsch, G.
Automatic process control of coolant temperature. (ZfK – 343) 374163
Pietzsch, W.
Estimation of the error in assessing the genetically significant dose. (STH – 11/77) 355042
Piffaretti, J.
Comparison of the π^+ and π^- elastic scattering from ^{12}C over the πN(3,3) resonance region. 362089
Piffl, V.
Plasma heating and ion acceleration by a relativistic electron beam – REB accumulation. (INIS-mf – 3963) 372046
Pigeon, J.
Study of completely continuous non-local potentials. 355800
Pigford, T.H.
Denatured fuel cycles for safeguards control. 380131
Piggott, B.D.G.
Basic studies on the cooling of LWRs by in-core sprays. 376550
Piglionica, V.
Resistance of durum wheat cultivars to Fusarium culmorum and the difficulty or bringing greenhouse data into agreement with field results. 373727
Piguet, O.
Mass generation in a normal-product formulation. 368522
Piiparinen, M.
High-spin level structure of ^{188}Pt. (ZfK – 336) 364758
Structure of odd-A Pm nuclei. I. 354223
A 4 ns high-spin isomer and a possible quadrupole-octupole coupling in ^{149}Sm. (ZfK – 336) 364798
Pijlgroms, B.J.
A search for the I peak at 2.60 GeV/c² in 12 GeV/c anti pp interactions in the CERN 2m HBC. 377781
Pijn, J.P.
Nuclear spectroscopy. (INIS-mf – 4267) 378019
Pikaev, A.K.
Application of pulsed radiolysis method for investigation of americium (4) properties in aqueous solutions. 359799
Determination of the rate constants of hydrogen ion reactions with pH-indicators in aqueous solutions by the method of pulse radiolysis. 357155
Electron spin resonance spectra of irradiated frozen aqueous solutions. 349340
Optical absorption spectra of solvated electrons in irradiated melts of alkali halide compound mixtures. 349365
Pulse radiolysis of aqueous solutions of sodium o-iodo-hippurate. 369791
Pulse radiolysis study of electron tunneling in polar systems at low temperatures. 349348
Yields and reactions of hydrogen ions on radiolysis of water and aqueous solutions. 357175
Pikarev, A.K.
Primary products of radiolysis of polar system and their properties. 359800
Pikayev, A.K.
Radiation chemical oxidation of americium (3) in weakly acid medium. 351618
Pike, D.H.
Applications of Kalman Filtering to nuclear material control. (ORNL/NUREG/CSD – 1) 374500
Optimal state estimation theory applied to safeguards accounting. (CONF-770656 – 20) 361211
Pike, G.E.
Electrical properties and conduction mechanisms of Ru-based thick-film (cermet) resistors. 373323
Pike, G.T.
Increased ionization rate in laser enrichment. (US patent document 4,023,038/A/) 351496
Pikel'ner, L.B.
Magnetic moments of Tb and Ho compound states. (INIS-mf – 3897) 356681
Neutron resonance spins of ^{159}Tb from experiments with polarized neutrons and polarized nuclei. (INIS-mf – 3897) 354132
Spin dependence of the total neutron cross section of ^{169}Tm and ^{141}Pr in the neutron energy range up to 100 keV. (JINR-R – 3-10835) 377954
Pikhtelev, R.N.
Arrangement for study of π^0-photoproduction on ^{4}He nuclei. 379852
Detection of electron-photon showers by means of drift chambers. (EFI – 141(75)) 368268
Detector of recoil nuclei stopping in spark chamber gas. 350280

Electron drift through the stack of plates in a gas volume. 350281
On the possibility of identification of particles with various charges in photonuclear reactions. (EFI - 208(54)-76) 376602
Pikhtin, A.N.
Radiation recombination of free excitons in Gasub(x)Insub(1-x)P with nonstraight band structure. 368867
Pikin, A.I.
Fast vacuum lock. (JINR-R - 9-10836) 367958
The use of electron beam ion source 'KRION-1' to accelerate C, N, O and Ne at the JINR synchrophasotron. (JINR-R - 7-10823) 379517
Pikolova, V.
Effect of lanatoside C in experimentally induced in vivo heart failure during radiation disease. 373524
Piksajkin, V.M.
Number and spectra of neutrons for fixed fragments in spontaneous fission of ^{252}Cf. (INIS-mf - 3896) 356857
Search for low energy delayed neutrons for spontaneous fission of ^{252}Cf. 369504
Pikunov, M.V.
On carbon and oxygen impurities content in tungsten. 351715
On growing alloy monocrystals using electron non-crucible zone melting. (INIS-mf - 3839) 365123
To the evaluation of structure improvement of heat-resistant metal monocrystal. (INIS-mf - 3839) 373220
Pikus, G.Ya.
Alloying effect on evaporation kinetics and electron properties of CdSe at high temperature annealing in vacuum. 359974
Pikuz, S.A.
The analysis of satellites to the H-like ion resonance lines observed in the X-ray region. 356193
The observation of intercombination lines $1s3p\ ^3P_1 \rightarrow 1s^2\ ^1S_0$ of multicharged He-like ions in laser-produced plasmas. 358917
X-ray spectroscopy of multiply-charged ions from laser plasmas. 368921
Pilat, E.
Nodal coupling by response matrix principles. 374112
Pilat, E.E.
Utility needs for codes to perform reactor physics and core follow work. 360903
Pilate, S.
Flux synthesis programme KASY for the approximate solution of the three-dimensional multigroup-neutron-diffusion-equation. 350106
Pilati, M.
The canonical formulation of supergravity. 376934
Remarks on the many-time canonical quantization of gravitation. 355824
Pilcher, J.R.
Absolute radiocarbon dating using a low altitude European tree-ring calibration. 356971
Pilepich, M.
Use of body scanner in radiotherapy treatment planning. 357599
Pilgrim, D.H.
Adsorption losses and performance of ^{51}Cr-EDTA and ^{198}Au in tracing of flood runoff. 373445
Pilipenko, A.M.
Inelestic scattering of 1,2 GeV electrons by Al and Ti nuclei. (KFTI - 76-27) 362031
Pilipenko, A.T.
Extraction-photometric method of rhenium determination as sulfite complexes. 356972
Investigation of polarographic behaviour of N-furoilphenyl-hydroxylaminates in extracts. 349184
Vanadium (5) complexes with benzoylhydrazine and their use in analysis. 372914
Pilipenko, A.V.
Protection from electromagnetic disturbances during operation of power generators of pulse radiations. 363627
Pilipenko, Yu.K.
Cryogenic source of polarized hydrogen and deuterium atoms. 370735
Piliszczuk, A.
Electron measuring apparatus. Radiometers and radiation monitors (dose rate, dose, contamination). (INIS-mf - 4018) 374351
Pillai, N.S.
Study of plutonium IV elution from macromolecular anion exchange resin by 0.5 M nitric acid. (BARC - 912) 375652
Pillai, P.M.B.
Operating experience and radiation protection problems in the working of the radio-metallurgy hot cell facilities at BARC. (INIS-mf - 4159) 376216
Pillai, T.A.K.
A pseudopotential calculation of the electron-phonon mass enhancement and the superconducting transition temperature. 366802
Piller, R.C.
The effect of irradiation and sputtering on the near-surface composition of dilute alloys. (INIS-mf - 3996) 377242
Piller, S.
Demonstration of a free piston Stirling engine driven linear alternator, phase 1 report. (COO/2764 - 1) 370693
Pillet, C.
Checking of uranium enrichment in fuel pins. 376437
Ultrasonic testing of the welding of PWR fuel pin plugs. 376528
Pilliar, R.M.
Integrity of P/M forged Ni - Mo steels determined by fracture toughness. 362438
Pilling, M.J.
Numerical investigation of tunnelling contributions to electron scavenging reactions in liquids at short times. 362252
Numerical studies of electron tunnelling in liquids. 357141
Pillon, R.
Experimental improvements of the sensitivity of neutron activation analysis for oxygen in metals. 364844
Pilloni, G.
Radiation induced one-electron reduction of cobalt(II) and rhodium(I) complexes containing diphosphines in methanol. 359796
Pillow, N.W.
Improved support for nuclear fuel rods. (German (F.R.) patent document 2618837/A/) 352478
Pilot, J.
Integrated geochemical exploration for deep-seated solid and gaseous mineral resources. 373420
Prospecting and exploration of gas deposits by means of inorganic volatile elements and isotopes. 373419
Pils, P.
Preparation of ^{131}J-labelled diphenylhydantoin and its organ distribution in rats. (SGAE - 2701) 354393
Preparation of diphenylhydantoin labelled with ^{131}I and its organ distribution in rats. (SGAE - 2642) 373009
Pilt, A.A.
Alpha-particle cluster states in ^{18}F and ^{18}O. 356581
Heavy ion alpha-transfer reactions in the s-d shell. 375197
The lifetime of the 3907 keV state of ^{19}F. 353226
Trinucleon cluster states in ^{18}F and ^{18}O. 377868
Pilyankevich, A.N.
Investigation of behaviour of the hexanite-R during microcutting of titanium and steel. 349414
Pilyugin, V.V.
Computer simulation of the direct digital control system of a charged particle cyclic accelerator. (INIS-mf - 3909) 374040
Control computer system for a proton cyclic accelerator. (INIS-mf - 3909) 374042
Pilz, I.
Small-angle X-ray-scattering investigation and structural-model study of the fatty-acid synthetase from pig liver. 376060
Pilz, W.
The neutron-proton final-state interaction in proton-induced deuteron break-up at 8.5 MeV. 372760
Pimenov, G.G.
Current pulse generator for nmr measurements of self-diffusion by the pulse gradient method. 376736
Pimenov, I.A.
Determination of delay time of cosmic radiation relative to helio-latitudinal index changes of solar activity. 356219
Pimenov, M.K.
Basic prerequisites and the practice of using deep water tables for burying liquid radioactive wastes. (ORNL-tr - 4390) 361128
Principal prerequisites and practice for using deep aquifers for disposal of liquid radioactive wastes. 368406
Pimentel, B.M.
Computer oriented method of Slater determinants coupling for the construction of K-harmonics. (IFT - 214/75) 350474
On the shell corrections to the nuclear binding energies. (IFT - 220/76) 351299
Pimentel, C.A.
Considerations about reactions occurring in pile irradiation of LiF crystals. 373376
X-ray diffraction profiles from neutron-irradiated LiF single crystals. 354621
Pimpale, N.S.
Studies on in vivo calibration of a plutonium lung monitor. 371137
Pimstone, B.L.
Failure of somatostatin to influence in vitro $^{35}SO_4$ uptake into cartilage. 376141
Pinaeva, M.M.
Investigation into mechanism of solid-phase reactions with participation of rare earth oxides by luminescence method. 378369
Luminescence of Eu^{3+} in the Eu_2O_3-Y_2O_3-Ta_2O_5 system. (INIS-mf - 3955) 377265
Pinatti, D.G.
Early stage of deformation in tungsten, tantalum, and nickel single crystals. 373256
Pinchuk, L.B.
On the role of the liver in the pathogenesis of acute radiation sickness. 376118
Pinchuk, P.G.
Neutron irradiation effect on the nature and thermal stability of radiation defects in ZrHsub(1,9) hydride. (FEI - 688) 373338
The study of radiation swelling in zirconium-hydrogen system. 378812
Pinchukova, V.A.
Proton permeability of membranes of Streptococcus faecalis and submitochondrial particles of rats after irradiation. 360256
Pincosy, P.
Experimental study of an air plasma generated by interaction of a CO_2 laser beam with a solid target. 353524
Pinegina, N.D.
Industrial tests and application of porous AN-21 anion exchanger for rhenium extraction. 359644
Pinel, J.
Change in the order parameter of a superconductor of type I in the presence of magnetic dipoles. 353736
Pinelli, T.
Charge distribution in the fragments of spontaneous fission of ^{252}Cf. 356675

Mortality and sterility induced in Piophila casei by x-ray and neutron irradiation. 357668
Pines, D.
Information about accretion flows from x-ray timing of pulsating sources. (CONF-7510169 –) 364361
Pinet, C.
Design and tests of liquid helium rotating cryostat. 360606
Pinet, D.
Experimental evidence of ion heating by transit time magnetic pumping. 353516
Tokamak discharges in Petula with alumina chamber. (INIS-mf – 3963) 371737
Pinheiro Filho, J.D.
Analysis of intermediate-energy (γ,n) reactions in complex nuclei. (CBPF – A0026/77) 364671
Pinho, A.G. de
Fano factor in semiconductor materials. 350730
L-subshell ionization of heavy atoms by proton impact. 377101
Relative radiative decay rates of vacancies in L-subshells of heavy elements. (PUC-TN – 2/77) 350567
Pini, L.
Radiation chemical evidence for differences in the amino-acid composition of yeast and horse-liver alcohol dehydrogenases. 376073
Pinkas, K.
Technological problems concerning the complex recovery of uranium and accompanying elements from sedimentary ores. 365290
Pinkenzon, B.D.
On the application of radioactive tracers when investigating the wells being drilled or exploited. 375993
Pinkerton, A.A.
Preparation and characterisation of dithiophosphinato-complexes of yttrium and the lanthanoids. 369690
Pinkerton, F.E.
Supralinearity in nuclear research emulsions. 360104
Pinkowski, A.
Application of autoradiography in electrochemistry. 354362
Pinkston, W.T.
On the extended basis shell model and two-nucleon transfer. 377926
Pinkston, W.T.
Centre-of-mass corrections to overlap factors for two-nucleon transfer. 366952
Pinnock, R.A.
Safety and breeding: related aspects of fast reactor cores having internal blankets. (CONF-761001 – P2) 362905
Pino, Jaime del
Thermal decomposition of tetrahydrates of holmium and erbium nitrates. 354335
Pinsky, S.
Plasma thyroglobulin in detecting thyroid carcinoma after childhood head and neck irradiation. 360275
Pinsky, S.S.
Do fermion-pseudoparticle interactions generate quark masses. (COO – 1545-217) 372432
Pinston, J.A.
The decay of ^{136}Te (20.9s). 354262
Pint, P.
Some thermodynamic properties of the solutions of $ZrCl_4$ and $HfCl_4$ in CsCl melts. 356990
Pinte, G.
Neutron activation analysis of impurities in gallium phosphide. 375213
Pintilij, B.F.
Surfactant complexes of metal-organic compounds – anion type and their use in polarography. (INIS-mf – 4192) 375379
Pinto, C.S.M.
Organization and development of the Brazilian nuclear programme. 371331
Trained manpower resources in Brazil. Estimates and preparations. 371312
Pinto, F.A.
Nonlinear Lagrangian and the $\pi N \rightarrow \pi\pi\pi N$ process. (INIS-mf – 4116) 363830
Pinto, H.
Preparation of radioinsulins for radioimmunoassay. (IEA – 472) 352171
Pinto, H.V.
Study of ^{228}Ac decay scheme. (INIS-mf – 4122) 364813
Pinto, M.R.
Thyroid functional exploration with radionuclides in Londrina (Parana)(I). 352087
Pinto, N.P.
Containerless processing of beryllium. Final report. (N – 77-27211) 378577
Pintschovious, L.
Superconductivity in polymeric sulfur nitride (SN)sub(x) at high pressure. 365171
Piontkovskaya, M.A.
Study of active centers of alkaline earth zeolites of type Y by infrared spectroscopy. 375504
Piosczyk, B.
Operation experiences with the test section of a superconducting heavy ion post accelerator. 363252
Piotrowski, J.K.
Comparative evaluation of the levels of metallothionein-like proteins, cadmium and zinc in the liver and kidneys of rats. 367630
Effect of some metals (Rb, Cs, Ag, Tl, Sb, U) on metallothionein level in the liver and kidneys of the rat. 367634
Piotrowski, S.L.
Anomalies in light curves of eclipsing variables. 372239
Piper, H.B.
Overview of the CRBRP safety study. (CRBRP-PS – 01) 362997
Piperno, F.
A theoretical calculation of the elastic stopping power for medium mass ions and atoms in the range 1-10 keV. (INIS-mf – 3996) 364094
Pipkin, F.M.
Electroproduction of phi mesons. 359337
Measurement of the π^+p and π^-p polarization parameters at 100 GeV/c. 351209
Precision measurement of the double quantum transition 3^2Ssub(1/2)-3^2Dsub(5/2) in hydrogen. 366327
Piquard, G.
The adsorption of carbon monoxide on rhenium: basal (0001) and stepped [14(0001) x (10$^-$1)] planes. 362414
Piquet, A.
Adsorption, diffusion and self-diffusion on tungsten surfaces with adsorbed palladium. 378718
Piradzhino, G.
Hydrogen streamer chamber with localizing admixtures. (JINR-R – 13-9713) 368303
Localization of charged particle tracks in a self-shunting helium streamer chamber. 379868
Piragino, G.
(πsup(+), ^{4}He) inelastic interaction at 110 and 160 MeV. 356489
(πsup(+),^{4}He) inelastic interaction at 100 and 160 MeV. 353928
Elastic scattering of πsup(+-)mesons on ^{4}He in the energy interval (68/208)MeV. 369385
New improvement in track localization in self-shunted helium streamer chamber. 355527
Piran, T.
Upper bounds on collisional Penrose processes near rotating black-hole horizons. 372240
Pirani, F.
Absolute total elastic cross sections for collisions of Ne with Ar, Kr and Xe. 358715, 376982
Pirani, F.A.E.
The soliton connection. 366256
Pirart, C.
Measurement and MIA analysis of the neutron differential cross section and polarization in the α-D break-up at 33 MeV c.m. 354230
Neutron beam facility at the Louvain-la-Neuve isochronous cyclotron; cross sections for fast neutron production. 379484
Pircher, F.J.
Bone scan artifact caused by hyperhidrosis: case report. 352081
Pire, B.
Study of the rho'(1600) using bound on even G-parity e^+e^- hadronic cross section. 361783
Pirich, R.
Flux flow current-voltage characteristics and their magnetic field dependence in a type II superconductor. 366796
Pirich, R.G.
Magnetic susceptibility measurements of dilute MgEu alloys. 354549
Search for valence transitions in MgEu alloys. 362439
Pirilae, Pekka
Conservation of isospin and the uncorrelated jet model. (HU-TFT – 76-29) 366862
Pirk, H.
Fundamentals for dry storage of spent fuel elements from LWR reactors. 370728
Method and device for the dry preparation of ceramic uranium dioxide nuclear fuel wastes. (German (F.R.) patent document 1667851/B/) 354477
Reprocessing technology in the HTGR fuel cycle. 367197
Pirker, H.
Use of a position-sensitive proportional counter system for measurement of thin-layer chromatograms of ^{14}C-labeled substances. 375329
Pirkes, S.B.
Complexing in aqueous solutions of rare earth n-aminobenzoates. 351485
Constants of unstability and solubility product of rare earth methylmalonates of cerium subgroup. 351542
Infrared spectra of neutral o-sulfobenzoates of rare earths. 349277
Investigation into neodymium complexes with methylmalonic acid by spectrography. 375614
Investigation into rare earth n-aminobenzoates by thermography and IR spectroscopy. 369619
n-aminobenzoates of rare earths. 351484
Pirkovskaya, N.V.
Vapor pressure above system containing $ZrCl_4$, $FeCl_3$, $MgCl_2$, NaCl, KCl. 357058
Pirner, H.J.
A phenomenological approach to pion condensation. 372593
Pirogov, A.N.
Effect of magnetic anisotropy on temperature dependence of magnetization of some compounds of the RCo_5 type. 349458
Pirogov, V.I.
Estimation of the borehole effect on the stationary distribution of epithermal neutrons in a borehole-stratrum model. 351932
Pirogova, G.N.
Investigation into catalytic activity of technetium and its dioxide. 373092
Optical properties of irradiated catalysts. 373386

Piron, D.-L.
Determination of the mechanism of evolution of hydrogen on niobium in an alkaline medium. 357191
Piroue, P.A.
Search for quarks produced with large transverse momentum in 400-GeV proton-nucleus collisions. 359331
Test of scaling in muon-pair production by hadrons. 366878
Pirovano, B.
Acoustic emission measurements during the first pressure vessel hydrotest at ENEL – Caorso BWR. 365858
Pirozhkov, S.D.
Carbonylation of aliphatic and cyclic alcohols by carbon oxide in the presence of BF_3 complexes with acetic propionic or monochloracetic acid. 375537
Pirraglia, J.
The Voyager infrared spectroscopy and radiometry investigation. 374914
Pirsel, M.
Replication of DNA in UV-irradiated Escherichia coli in the absence of amino acids. 349708
Pirtskhalava, N.I.
Studying acetylhydrazine complexes of rare earth chlorides by the infrared-spectroscopic method. 369668
Pirverdyan, S.A.
Electronic priority distributor. (EFI – 122(75)) 350352
Pisani, C.
Intrinsic time resolution of detectors in a time-of-flight spectrometer. 355578
Pisanko, Zh.I.
Estimated neutron cross section at V=2200 m/sec and resonance integrals of isotopes with Z=57-71. (INIS-mf – 4043) 362060
The evaluated neutron cross sections and resonance integrals of fission products with Z = 57-62. (KIYI – 76-6) 356756, 375173
Pisano, D.
Researches with the tandem and the synchrotron. Chapter 1. (CEA-N – 1959) 354158
Pisano, D.J.
Experimental evidence of multistep processes in the $^{74}Ge(^{18}O,^{16}O)^{76}Ge$ and $^{76}Ge(^{16}O,^{18}O)^{74}Ge$ reactions. 351336
Pisarenko, G.S.
On estimate of brittleness and strength of low-deformable inorganic materials. 360025
Pisarenko, N.F.
Propagation of non-relativistic electrons in solar wind and the 3. type radiobursts. 369140
Pisarenko, V.F.
Relative quantum yield of luminescence of NaBr-Eu^{2+}-TR^{3+} crystals (TR^{3+}=Pr^{3+}, Nd^{3+}, Tb^{3+}, Dy^{3+}, Ho^{3+}, Er^{3+}). (INIS-mf – 3955) 378230
Pisarev, A.A.
Nickel alloys and stainless steels peeling during ion irradiation. (INIS-mf – 3954) 362557
Temperature dependence of erosion of vanadium and niobium alloys when irradiated with helium ions. 378801
Pisarev, A.F.
Big optical spark chambers and pulse generators for their suppling. (JINR-R – 13-9745) 358364
Investigation of the detecting properties of a counter filled with solid argon. 350301
Pisarev, R.V.
Light birefringence in magnetically-ordered crystals. 353489
Pisarev, V.F.
Big optical spark chambers and pulse generators for their suppling. (JINR-R – 13-9745) 358364
Pisareva, V.V.
Electron density on an altitude of 1000 km in calm and disturbed conditions measured by the "Kosmos-381" satellite. 376047
Pisarevskij, A.M.
Glass electrode in redoxometry. 375572
Pisello, D.M.
Inclusive particle and resonance production in π^+p interactions at 15 GeV/c. 364595
Piskarev, I.M.
Multi-channel ignition system for spark gaps. 376672
Stabilization of time characteristics of the Arkad'ev-Marks. 358405
Tunnel diode comparator circuit in the betatron stabilization and energy variation systems. 358001
Piskarev, N.V.
Thermal dissociation of $NbSe_2$. 378688
Piskunov, N.M.
Use of the alphameric display of the VT-340 tape on-line with the BESM-4 computer. (JINR – 10-8833) 355610
Pislewski, N.
Investigation of phase transformations in $/Cd(NH_3)_6/(BF_4)_2$ and $/Cd(NH_3)_6/(SO_3F)_2$ complexes. 377266
Pismannik, I.A.
Method of indicating linear travel of electrified material. (Soviet patent document 480963/A/) 376272
Pismenny, V.D.
The application of a high pulse repetition rate CO_2 laser with high average power for isotope separation by molecular dissociation in a strong IR field. 355067
Pison, C.
Technetium-99m glucoheptonate in brain-tumor detection: an important advance in radiotracer techniques. 373667
Pissis, P.
Planar channeling and blocking effects in scintillation response of naphtalene single crystals bombarded by 4.50 MeV-α-particles. 374762
Pistella, F.
Italian progress on light-water reactor fuel design, manufacturing, testing and management. 365873
Plutonium utilization in fast-breeder and light-water reactors in Italy. 368216
Pistorius, C.W.F.T.
High pressure synthesis of Gd_3InO_6, Tb_3InO_6, and Lu_3InO_6. 365209
Pistryak, V.M.
Lithium and sodium intersitial distribution in CdS two-component semiconductor. (KFTI – 75-35) 353426
Studies of lithium-ion distribution in silicon using a secondary ion-ion emission method. (KFTI – 74-47) 354610
Pistunovich, V.I.
Nuclear fuel production in hybrid thermonuclear reactors. (INIS-mf – 3954) 361643
Thermonuclear investigation development. 356149
Pisut, J.
Dimuon production in νN and anti νN interactions at high energies in a simple quark-parton model with charm. 366831
A general method for testing the analyticity of scattering amplitudes. 366855
High energy particle interactions. 353090, 353096, 353123, 353124, 353754, 353758, 353767, 353780, 353793, 353797, 353803, 353816, 353850, 353860, 353872, 353873, 353881, 353882, 353883, 353887, 353906, 353915, 353924, 353974, 353977, 356430, 356450, 356452, 356456, 366854
Is resonance production responsible for some features of particle production at large transverse momenta. 353780
Origin of the dimuon continuum and the space-time evolution of hadron collisions. 353781
Particle ratios and lepton production at large psub(T) in a simple parton model. 366822
A simple model of the measurement process in quantum mechanics. 376935
Pitaeva, A.N.
Investigation of iron-bismuth-molybdenum catalysts. 378428, 378429
Pitaevskij, L.P.
Internal friction strength in superfluid helium near the lambda point. (JINR-D – 17-10529) 375005
Pitale, L.A.
Filamentation of a laser beam in a collisional plasma. 350960
Pitchford, L.C.
Destruction rates of metastable helium atoms and molecules in collisions with argon atoms. 358807
Pitchford, W.G.
Wedge transmission data errors caused by backscatter into monitor chamber. 376617
Pitek, M.T.
Utility needs for fuel rod modeling capability. 360898
Pitirimova, M.A.
On the periods of enhanced mutability in barley ontogenesis. 365477
Pitkaenen, V.
An automatic uranium analyser based on delayed neutron counting. 369570
Pitkaranta, J.
Approximate solution of the transport equation by methods of Galerkin type. 359358
Pitkevich, V.A.
Microdosimetric analysis of RBE of protons delivered to cells of diploid yeast. 370328, 370331
Pitner, A.L.
Absorber materials for fast reactor control applications. (HEDL-SA – 1177-FP) 363490
Correlation for boron carbide helium release in fast reactors. (HEDL-SA – 1189-FP) 379580
Pitout, M.J.
Applications in biochemical and biological systems. (INIS-mf – 4203) 376138
Pitt, B.
Thallium-201 distribution in the thyroid: relationship to thyroidal trapping and blood flow. (INIS-mf – 4052) 373619
Pitt, C.w.
The RF sputtering process. 377267
Pitt, E.
Fast neutron dosimetry by track detection with cellulose nitrate films. 368305
Pitt, R.
Utilization of nuclear energy for refining fossil fuels, for manufacturing steel and chemical products, and for the production of electric power. 355437
Pittack, W.
Cast iron with lamellar graphite as a material for prestressed hot reactor pressure vessels – preliminary results of the VGD-HTR materials test. 370786
Pittaro, R.J.
Electrical circuit for an ultrasonic impulse echo process for the measurement of wall thickness of test pieces. (German (F.R.) patent document 2643300/A/) 355627
Pittenger, L.C.
Cryopump, neutral-beam compatibility test. (LBL – 5943) 377348
Large-scale cryopumping for controlled fusion. (UCRL – 79381) 361608
Pitterle, T.A.
Review of FFTF and CRBRP control rod systems designs. (CONF-771217 – 5) 379590
Pitthan, R.
Giant resonances and bound collective states observed in the scattering of 92.5-MeV electrons from the closed-neutron-shell nucleus ^{89}Y between excitation energies from 2.0 to 55 MeV.

364814
Isospin of the fine structure between 8 and 12 MeV in ^{208}Pb and its implication for the multipole assignment of the 8.9-MeV resonance. 364815
The natural line shape of the giant dipole resonance. 354197
Pittman, M.G.
Vacuum cleaner for radioactively contaminated particles. (US patent document 4,061,480/A/) 379464
Pittner, K.J.
Crash construction for protection against airplane crashes. 370602
Pitts, J.H.
Gas flow in a permeable earth formation containing a crack. 379459
Mass flowrates through the vent lines during air tests of the 1/5-scale Mark I BWR pressure suppression system. (UCID – 17601) 367777
Vertical forces induced in a 1/5 scale Mark I BWR toroidal wetwell under LOCA conditions. (UCRL – 79825) 357809
1/5-scale experiment of a Mark I boiling-water reactor pressure-suppression system under hypothetical LOCA conditions. (UCRL – 79143) 352275
1/64 scale model tests of a Mark I boiling water reactor pressure suppression system. (UCID – 17625) 367790
Pitts, O.P. Jr.
Nuclear inventory and management system (NIMS): a program for nuclear fuels accounting. 352927
Pitzer, K.S.
Ab initio effective core potentials including relativistic effects. I. Formalism and applications to the Xe and Au atoms. 368511
Thermodynamics of electrolytes. 8. High-temperature properties, including enthalpy and heat capacity, with application to sodium chloride. 364993
Pitzurra, O.
Search for the metastable 2s state in muonic hydrogen. 361331
Piul'skaya, V.I.
Effect of gamma irradiation on the polyunsaturated fatty acids of cooked pork. 349828
Piunov, V.D.
Nondestructive testing of mechanical properties of steels for deep swaging. 375861
Pivot, J.
Use of MeV He^+ backscattering and (p, α) reactions to study the sputtering of LiF films bombarded with noble gas up to 40 KeV. 368888
Pivovar, L.I.
Electron microscopic studies of tungsten films irradiated with helium ions. (KFTI – 75-35) 353497
Helium desorption from tungsten foils irradiated by He^+. (KFTI – 74-47) 353496
Ion microscopy investigation of the impurity trapped interstitials in tungsten. (KFTI – 74-47) 350710
Lithium and sodium intersitial distribution in CdS two-component semiconductor. (KFTI – 75-35) 353426
Studies of the irradiation and annealing effects on the tungsten surface bombarded by H_2^+, He^+, Kr^+ and Xe^+ ions of 1.6 MeV. (KFTI – 75-35) 354628
Pivovarov, Yu.L.
On the possibility of π^- meson channelling. 356038
Pivovarova, A.V.
Interaction of gamma radiation of Co^{60} with heterogeneous systems, made on base of polymers with dyes. 370153
Piwinski, A.
Penetration of the field of a bunched beam through a ceramic vacuum chamber with metallic coating. 363319
Satellite resonances due to beam – beam interaction. 363320
Pizzella, G.
On the data analysis algorithm for gravitational-wave experiments. 353134
Pizzi, Luigi
Accumulation of obligations as regards the utilization of radioactive materials according to the regulations in force. 350428
Pizzica, P.A.
Comparison of the EPIC and PLUTO computer codes for TOP conditions. 352276
EPIC: a computer program for fuel-coolant interactions. (CONF-761001 – P3) 365595
Numerical model of reactor fuel and coolant motions following pin failure. 373854
Pizzimenti, G.
Partial structure factors of an ionic model of liquid UO_2. 350574
Pizzo, V.J.
A three-dimensional model of high-speed streams in the solar wind. Doctoral thesis. (PB – 266959) 356303
Placek, V.
Histologic types of bronchogenic cancer in relation to different conditions of radiation exposure. 370401
Histological types of lung cancer as related to various radiation exposure conditions. 352075
Placer, A.E.
Transfer of technology on radiation protection and nuclear safety. 352277
Plachenov, B.T.
Decomposition of supersaturated solution of KCl-$SnCl_2$ in ionizing radiation field. 369783
Primary processes of radiation stimulated formation of silver phase in AgHal crystals. 373083
Recombination processes during excitation of AgCl:Me^{2+} crystals by ionizing radiation. 371625
Plagnol, E.
Researches with the tandem and the synchrotron. Chapter 1. (CEA-N – 1959) 354137
Plail, O.S.
Education and training on the job. 352587
Plakhotnik, A.V.
On the role of adsorbed metals with organic and inorganic ligands in electrode reactions. 357074
Plakhtij, V.P.
Magnetic ordering in ferroelectric Co-I boracite. 350769
Twinning in orthorhombic phase of Fe-I boracide. 377226
Plaksin, S.V.
Regularities of formation of oriented electrodeposits during electrolysis of molten salts. (INIS-mf – 4189) 375408
Planchon, C.
Interest of the sup(99m)Tc-Sn-gluconate in the detection of tumor of the posterior fossa. Comparative study with pertechnetate (56 cases). 357696
Plane, D.E.
New information about the kaon-nucleon-hyperon coupling constants g(anti $K\Sigma(1197)$), g(anti $K\Sigma(1385)$) and g(anti $KN\Lambda(1405)$). 356497
Planek, V.
Development of WWER type nuclear reactors for heat supply in Czechoslovak conditions. (INIS-mf – 4055) 368143
Recurring inspection system of the A-1 reactor pressure vessel. (ZJE – 208) 379714
Plano, R.J.
On-line display aids for the automated measuring of bubble chamber film at Fermilab energies. 352816
Planz, J.
Identification of thermoluminescence traps in $CaWO_4$ and $BaWO_4$ by EPR measurements. 364035
Plascak, J.A.
Unidimensional model of eight vertexes. 364985
Plasil, F.
Mass asymmetry and total-kinetic-energy release in the spontaneous fission of ^{262}[105]. 369464
Observation of the new nuclides ^{27}Ne, ^{31}Mg, ^{32}Mg, ^{34}Al, and ^{39}P. (ORO – 3924-29) 364753
ORNL ALICE: a statistical model computer code including fission competition. (ORNL/TM – 6054) 369444
Plastino, A.
Hartree-Fock test of Overhauser's model with a Skyrme force. 361971
Low density clustering effects of Skyrme interactions in nuclear matter. (IFT – 251/77) 351263
Self consistent description of the interplay between shape and pairing deformations: static properties. 349109
Platchkov, S.K.
On the radial distribution of the 1fsub(7/2) proton orbit. 362113
Platkowska, E.
Scintillation autoradiography as a quick method for detection of radioactivity in cells and tissues. 367636
Platner, E.D.
Charged particle detector system for ISABELLE spectrometers. (BNL – 23529) 379934
Platonov, A.P.
Transport of ultracold neutrons along cylindrical neutron guides. (INIS-mf – 3895) 354012
Platonov, M.A.
Grain size effect on electrophysical properties of 80% Bi_2Te_3 – 20% Bi_2Se_3. (INIS-mf – 3914) 349471
Platonov, P.A.
Radiation effect on thermal and electric conductivity of reactor graphite. (IAE – 2702) 349598
Platonov, V.G.
Observation of muon pairs in neutrino interactions at Serpukhov 70 GeV accelerator. 361870
Platonov, V.P.
Application of R-matrix formalism for estimation of resonance cross sections of nuclei with medium atomic number. (INIS-mf – 4043) 366926
Estimation of cross section of fast neutron radiative capture by gold-197. (INIS-mf – 4043) 362111
Estimation of energy dependence accuracy of anti ν for major fissile materials. (INIS-mf – 3896) 356861
Radiative capture of fast neutrons by ^{238}U nucleus. (INIS-mf – 3897) 356915
Platonova, A.A.
Interrelation of the dislocation density and lattice parameters with the yield strength of heatproof steel 12Kh1MF after heat-mechanical treatment. 349525
Platov, Yu.M.
Radiation stimulated processes in metal materials of thermonuclear fusion reactors. Simulation problems. (INIS-mf – 3954) 362381
Platov, Yu.V.
Kinematic model of loop prominences formation. 356258
On the mechanism of the loop prominences formation. 369112
Platt, A.M.
The alternatives for managing post-LWR reactor nuclear wastes. 358499
Management of high-level and alpha-bearing wastes. 368366
United States experience in the transport of radioactive materials. 367952
Plattard, S.
Evidence for a rotational band in ^{24}Mg and its fragmentation: A rotation-vibration coupling. 372730
Total cross section of ^{9}Be, $^{10,11}B$ and $^{12,13}C$ from 1.0 MeV to 14 MeV. (BNL-NCS – 22500) 356689

Platteau, B.
The measurement of total serum IgE levels in rats. 352169
Plattner, G.R.
Accurate determination of the ^{3}He-dp and ^{3}He-d*p coupling constants. 351303
Coupling constants for several light nuclei from a dispersion analysis of nucleon and deuteron scattering amplitudes. 372586
Determining the spectroscopic factors of the 1psub(1/2) neutrons in ^{13}C. 378001
Dispersion analysis of nucleon scattering by light nuclei. 377762
Platz, P.
Measurement of the electron temperature profiles by Thomson scattering using a single laser shot: application to T.F.R. Tokamak. 353576
Platzeck, A.M.
Helicity and evanescent waves. 376886
Platzoeder, K.
Method of producing silicon monocrystals doped by neutron activation. (German (F.R.) patent document 2516514/B/) 354622
Plavitiu, C.N.
Second order effects due to the phonon drag effect upon thermoelectric and thermomagnetic coefficients. 356039
Plavko, A.V.
On polarization phenomena in some nuclear reactions induced by protons in light and intermediate nuclei. 375198
Plavnik, G.M.
Ionizing radiation effect on phase transformations in polymers. 373345
Playfiar, J.H.L.
Differential tolerance of thymus-independent and thymus-dependent antibody responses. 376112
Plebanski, J.F.
A few properties of a certain class of degenerate space-times. 371398
Metric and Ricci tensors for a certain class of space-times of D type. 371399
Null strings and complex Einstein-Maxwell fields with cosmological constant. 363782
Plechaty, E.F.
Applications of the probability table method to practical problems. (UCRL – 79759) 364628
Measurements and calculations of the electron recoil spectra from gamma rays emitted by nitrogen for a 14-MeV neutron source. 356538
Plechta, J.
Identification of copper ore processing by means of radioactive tracers. 375745
Plein, H.G.
First in-core molten fuel pool experiment. (SAND – 77-1096C) 370603
Material compatibility studies for PAHR incore molten pool experiments. 352200
Sandia in-core molten fuel pool experiment results. (SAND – 77-1413C) 367791
Pleiner, H.
Intrinsic angular momentum of ^{3}He-A and its hydrodynamics with unclamped normal fluid. 359212
Pleiter, F.
Symmetry of some lattice defects in nickel measured by DPAC. 356040, 377268
Plejewska, M.
Investigations on application of the clean vacuum systems with ion-sorption pumps in ion sputtering technology. 374373
Plekhanov, L.P.
The calculation of errors of approximation and restoration of energy distribution in a reactor. 379591
Plekhov, N.K.
High-current generator of nanosecond pulses of electrons and bremsstrahlung. 370746
Pleshakov, I.A.
Spontaneous electrooptical absorption effect in a barium-strontium niobate crystal. 374720
Pleshakov, L.D.
Transmission of gamma quanta through matter. The Green function for a parallel plane problem with azimuthal symmetry. 375094
Pleshanov, V.P.
Effect of hydrogen peroxide on thermal-oxidative stability of γ-irradiated polyethylene film. 375708
Pleslovastikova, E.
Application of instrumental neutron activation analysis in determining additions and impurities in copper from archeological finds. (INIS-mf – 4143) 372897
Plessa
One aspect of the construction of superphenic; the on-site assembly of certain components of the nuclear boiler. 371043
Plessa, A.
Creys-Malville power plant (Super Phenix): the main options of the reactor building ventilation system. 371044
Plesskaya, N.A.
Investigation of europium extraction with Zr- and Hf-salts of some organic phosphorus acids. 359758
Pletcher, R.H.
Buoyant jets discharging nonvertically into a uniform, quiescent ambient: a finite-difference analysis and turbulence modeling. 368835
Pleticha, D.J.
Analysis and application of a multi-beam radio astronomy survey. 372241
Pletnev, P.N.
Proton magnetic resonance in hydrated vanadates in alkali metals and alkaline earth metals. 351543
Pletnev, R.N.
Formation of strontium vanadite in $SrCO_3$ – 2VOsub(1.5) system. 351589
On chemical nature of hydrated vanadium pentoxide. 351544
Pletneva, E.D.
Determination of formation heats of Msub(x)V_2O_5 oxide vanadium bronzes of potassium and lithium of β type. 369691
Formation heat of β-Nasub(x)V_2Osub(-) type oxide sodium-vanadium bronze. 378370
Pletyushkina, A.I.
Catalytic reduction of maleic acid on ruthenium electrode-catalyst in excess of hydrogen. 369671
Pleuger, D.
Graduation of enrichment in the first core of the Brunsbuettel BWR reactor. 376489
Pleva, Yu.S.
On production of spontaneously fissile isomer of sup(242m)Am in thermal neutron capture reaction. (INIS-mf – 3896) 356909
Plevako, P.S.
Mechano-thermal treatment of armco-iron. 349453
Plicht, J. van der
The (α,α'f) reaction on ^{232}Th. (INIS-mf – 4267) 378044
Giant resonances in light nuclei. (INIS-mf – 4267) 377978
The QMG/2 magnetic spectrograph and its focal plane detector. (INIS-mf – 4267) 379877
Plichta, J.
Method of phosphate glass production. (Czechoslovak patent document 156843/B/) 371079
Plis, Yu.A.
Cryogenic source of polarized hydrogen and deuterium atoms. 370735
Pliss, N.S.
Determination of the sensitivity of mass spectrometers to microimpurities. 350345
Plitz, H.
GFEK experimental approach to carbide fuel element licensing. 379801
Plochocki, A.
Collective states fed by weak α-transitions in the ^{232}U chain. 356814
Plock, C.E.
Waste management analysis for the nuclear fuel cycle: parts I and II. Progress report for period ending March 31, 1977. (RFP – 2667) 366085
Ploeger, M.
Device for closing defective heat exchanger tubes. 376329
Ploger, S.A.
Irradiation Effects Test Series: Test IE-2. Test results report. (TREE-NUREG – 1074) 365871
Irradiation Effects Test Series: Test IE-3. Test results report. (TREE-NUREG – 1106) 374212
Plohn, H.J.
Elliptic pelarization of the light emission from surface scattered ion beams at grazing incidence. (INIS-mf – 3996) 363864
Plomod'yalov, A.S.
Luminescent properties of yttrium silicates activated by cerium at various forms of excitation. (INIS-mf – 3955) 377264
Plomp, A.
Deposition of aerosols formed by HCDA due to decay heat transport in LMFBR inner containment atmospheres. (CONF-761001 – P4) 363033
Plonka, A.
Coefficients of tracer transfer through membranes. Pt. 7. 355113
ESR studies on fundamental processes in radiation chemistry at low temperatures. Pt. 1. Photobleaching of trapped electrons in 8 M NaOH glass at temperatures 67-173 K. 375694
ESR studies on fundamental processes in radiation chemsitry at low temperatures. Pt. 2. Photobleaching of trapped electrons in 5 M K_2CO_3 glasses at temperatures 77-123°K. 378525
Investigations of basic processes in radiation chemistry by EPR method in low temperatures. 378524
Ploskonka, J.
A particle identification spectrometer for nuclear reaction measurements. (INP – 874/PL) 374352
Ploskonska, J.
Excitation functions for ^{24}Mg(α,α)^{24}Mg and ^{24}Mg(α,p)^{27}Al reactions in the energy range of alpha particles from 23.05 to 28.55 MeV. (INP – 881/PL) 372805
Ploszajczak, M.
Backbending in the negative parity rotational bands in ^{156}Er. (ZfK – 336) 364712
Deformation energy surfaces at very high spin states. (ZfK – 336) 364713
Description of negative parity yrast states in ^{156}Er. 359436
Do we really understand the causes for backbending. (ZfK – 336) 364685
The fission barrier of actinide nuclei at very high angular momentum. 356597
High and highest spin states in nuclei. (Juel – 1429) 356646
Very high spin Strutinsky calculations with a Woods-Saxon potential. 354092
Plothow, H.
Spin-parity analysis of the diffractively produced low-mass Nπ systems in the reaction $\pi^{+}p \rightarrow \pi^{+-}(N\pi)^{+}$ at 16 GeV/c. 369382
Plotkin, S.S.
Luminescence spectra of rare earth ions in $LaYO_3$ and $LaLuO_3$. (INIS-mf – 3955) 366450

Plotnikov, A.F.
Intrinsic photoconductivity of indium antimonide crystals with protective films. 374736
Plotnikov, A.L.
Peculiarities of electron radiography of materials with microcracks. 376266
Plotnikov, I.M.
Corrosion resistance of structural materials of WWER-type nuclear reactor and migration of corrosion products in coolant loops. 367184
Performance testing of primary coolant purification plant. 368154
Water regime of WWER type reactors with boric acid control. 368070
Plotnikov, R.I.
Method for the X-ray fluorescence analysis of suspensions. (Soviet patent document 448374/A/) 360581
Vessel for x-ray analysis of liquid mixtures in flow. (Soviet patent document 494646/A/) 351452
Plotnikov, V.I.
Investigation into kinetics of sorption of some radionuclides by mixed sorbents based on amorphous niobium phosphate. 369591
Radiochemical investigation of coprecipitation of some hydrolyzable elements microquantities with hydroxides and oxides of metals. 357111, 364907, 364908
Sorption of cesium-137 by xerogels and oxides of some metals. 357112
Plotnikova, E.D.
The effect of chemical protection on the postirradiation recovery of systems responsible for marrow or intestinal syndromes in mammals. 354791
Plotnikova, L.V.
Heat resisting titanium alloy. 375866
Plotnikova, N.P.
Neutron irradiation effect on the primary recrystallization of deformed aluminium monocrystals. (KFTI - 75-35) 354616
Plouin, F.
^{3}He production in ^{4}He fragmentation on protons at 6.85 GeV/c. 354154
Angular distribution measurement of the reaction $\alpha p \rightarrow {}^{3}$He d at 3.98 GeV/c. 354147
Ploumbidis, D.
Temperature dependence of knight-shift in molybdenum. 358894
Pluciennik, H.
Comparison of mutagenic efficiency of decay of ^{32}P incorporated in E.Coli WP-2 and E.Coli WP-2S cells. 373620
Plucinski, C.E.
Gas tagging for fuel failure location using xenon and krypton. (HEDL-SA - 1154) 368247
Pluess, P.
Scope and results of the reactor vessel radiation surveillance program of the Nuclear Power Plant Beznau I. (IAEA - 202) 376533
Plug, C.M.
Crystal chemistry and magnetic properties of ternary rare earth sulfides. (INIS-mf - 4087) 364986
Pluhar, Z.
The ^{4}He wave function in the kinematically correct basis. 354087
Plummer, E.W.
Three-surface resonances on the (100) face of W and Mo: An angle-resolved synchrotron photoemission study. 365189
Plurien, P.
Developments on uranium enrichment processes in France. 367846
Evolution of uranium isotope separation methods in France. (ERDA-tr - 293) 357853, 363059
Uranium(IV)-crown-ether complexes and cryptates. 373004
Pluym, B.F.M.
The effect of colestipol on digitoxin plasma levels. 376178
Plyashkevich, L.N.
Device for measuring power and energy of high-current pulse processes. 376692
Plyashkevich, S.N.
A circulation neon purification system for spark chambers. 357915
Plyashkevich, V.Yu.
Variational method of calculation of kinetic equations in periodic lattices. (IAE - 2549) 358042
Plyaskin, V.I.
Analysis of spectra of inelastic scattered neutrons with initial energy of 9,1 MeV in framework of the exciton model. (INIS-mf - 3897) 356573
Angular and energy distributions of inelastic scattered neutrons with initial energy of 9.1 MeV. (INIS-mf - 3897) 356712
Inelastic scattering of neutrons with initial energy of 9.1 MeV and the parameter of spin dependence. (INIS-mf - 3897) 356574
Plyasov, Yu.P.
Radiosource dimension effect on temporal spectra of interplanetary scintillations. 374870
Plyasova, L.M.
Investigation of iron-bismuth-molybdenum catalysts. 378428, 378429
Plyatsko, G.V.
Conductivity type inversion in CdSsub(x)Tesub(1-x) affected by a high pulse of ruby laser radiation. 374763
The effect of laser treatment on the wear resistance of steel in corrosive media. 349370
Plyatskovskij, O.A.
Large pipes of 15 gs, 14 khgs, and 30 khma steels for chemical high-pressure equipment. 375784
Plyujko, V.A.
On a possibility of pre-equilibrium decay time estimation of compound system. 369422
On investigation of reactions with two-neutron emission within the framework of the semidirect process model (the precompound emission). 369441
On studying reactions with two-particles emission in terms of the exciton model. The excitation functions. 369445
Statistical theory of pre-equilibrium emission of two particles from high-excited nuclei. (INIS-mf - 3897) 356647
Plyukhin, A.G.
Luminescence of Znsub(x)Cdsub(1-x)S mixed crystals in conditions of resonance excitation. 371691
Resonance combination light scattering on longitudinal optical phonons in mixed crystals. 350743
Plyushch, A.L.
Adsorption chemiluminescence on γ-irradiated adsorbents. 378539
Plyusnin, L.N.
On quantization of a scalar field in cosmological spaces. 368557
Plyuta, Ya.
Characteristics of multiplicity of charged products of π^{+-} nuclear reactions as source of information about neutron and proton distribution on the atomic nucleus periphery. (JINR-D - 1,2-9342) 356837
On reconstruction of π^{0} spectra from gamma spectra by the statistical regularization method. (JINR-D - 1,2-9342) 356518
Study on the emission intensity of -mesons in interactions of fast $\pi+$ - mesons with nuclei. (JINR-R - 1 - 9083) 356516
Pneuman, G.W.
A sheet-current approach to coronal-interplanetary modeling. 366782
Poate, J.M.
Channeling in V_3Si: Atomic displacements and electron-phonon/defect interactions. 365246
Combined transmission electron microscope and ion channeling study of metastable metal alloys formed by ion implantation. 371580
Properties of plasma oxidized GaAs films. 368754
Superconducting transition width in Nb_3Ge with defects. 367278
Transmission electron microscope studies of Nb-Ge superconducting films. 359908
Pobedimskij, D.G.
The ligand role in vanadyl chelate complexes in the catalytic reduction of hydroperoxides with phosphites. 357049
Pobedin, V.V.
A method for optimum composition of fuel loads in a WWER type reactor. 374218
Pobedonostsev, L.A.
Scattering of the 4.7 MeV neutrons on Al and Fe. (INIS-mf - 3897) 356819
Pobedonostsev, V.A.
Application of boat method in emissive flame photometry for determination of Li, Rb, Cs, Na, K, Ca, Sr, Ba. 349182
Pobedonostseva, N.A.
Application of resonance interferometry and holography for plasma diagnostics. 348906
Pobedrya, A.E.
On the calculation of the temperature field in the fuel microelements of nuclear reactors. 357901
Pobell, F.
Attenuation and dispersion of first sound near the superfluid transition of pressurized ^{4}He. 364441
Magnetic properties of superconducting tin-europium-molybdenum sulfides. 351733
Temperature dependence of the superfluid density in restricted geometries determined by an oscillating U-tube technique. 351130
Pobereskin, M.
Comparison of advanced reactor potentials. 379699
Radiological environmental assessment of the recycle of LMFBR advanced fuels. (CONF-771008 - 5) 373872
Poberezhny, Y.L.
Fracture kinetics and stability of residual stresses during cyclic deformation of specimens with certain diffusion coatings. 365176
Poborc-Godlewska, J.
Evaluation of lenticular changes in persons exposed to the action of the ionizing radiation. 367836
Pocheptsov, A.V.
Protective coating effect on the workability of joints produced by welding in carbon dioxide. 349386
Pochin, E.E.
Bases for establishing radiation exposure limits. 367810
Pochtakov, A.A.
Experimental research of Pm^{147} high-voltage radioisotope batteries characteristics. 349945
Radioisotope batteries with silicon base semiconductor converter. 352356
Pochtarev, V.I.
Relation between geomagnetic-field secular variations and cosmic-ray threshold rigidities. 357549
Pocker, Y.
Stopped-flow studies of carbon dioxide hydration and bicarbonate dehydration in H_2O and D_2O. Acid-base and metal ion catalysis. 367111
Pocock, R.F.
Nuclear power. Its development in the United Kingdom. 365789
Pocsik, G.
Effects of neutral weak currents in e^{+}-e^{-} annihilation. 359309
Poczynajlo, A.
Determination of the diffusion layer and the distribution of the radiophosphorus concentration near the interface during crystallization of the sulfur-phosphorus-32 system. 372992
Directed crystallization as a method for concentrating of

radioactive isotope. The study of S + ^{32}P system. 354363
Zone melting as a method for concentrating of radioactive isotopes. The study of S + ^{32}P system. 354364
Pod"yachev, V.N.
Carbon influence on tungsten strength at high temperatures. 375875
Podafa, B.P.
Thermodynamic and X-ray studies into reaction of chlorides of alkali metals, thalium and beryllium. (INIS-mf – 4193) 375615
Podberezskaya, N.V.
Crystal structure of $NH_4Er_3F_{10}$, the four-layer cationic skeleton of "fluorite" type. 367112
Podchajnova, V.N.
Antipyrene dyes as new organic reagents for tantalum. (INIS-mf – 4192) 375330
Extraction-photometric determination of tantalum with chromethylpyrazol. (INIS-mf – 4191) 375264
Extraction-photometric determination of thallium with some organic reagents. (INIS-mf – 4192) 375250
Formazanes as analytical reagents. 378150
Podchernyaeva, I.A.
Adsorption energy of Cs and K on the surface of refractory carbides. 349570
Electron energy spectrum and physical properties of NbCsub(x). 377281
Podeanu, G.
The ^{90}Sr, ^{137}Cs, ^{3}H and ^{131}I content in surface water and sediments of the Danube, Olt and Arges river and in milk samples for the year 1972. 357518
Podgrushko, N.F.
Connection of electron work function in 4-th group transition metal silicides with some of their physical properties. 354590
Thermal expansion of the group 4 transition metal silicides. 378774
Podkhalyuzin, A.T.
The effect of composition of mixture on rate of radiation initiation of chain reactions. 369805
Radiation alkylation of adamantane in liquid phase. 362276
Podlesnykh, L.S.
Intrinsic photoconductivity of indium antimonide crystals with protective films. 374736
Podloucky, R.
Calculations of 2γ-angular correlations and Compton profiles for TiC. 377269
Podluzhnyj, V.V.
Some reactions of cadmium selenide epitaxial films with oxygen. 378371
Podoba, J.
The significance of iodine prophylaxis and the values of radioiodine uptake by the thyroid. 379149
Podol'nyj, Eh.I.
Sensitive pulse shapers on integrated circuits. 358440
Podol'skij, A.M.
Neutron activation analysis data of admixture-elements in sulphides of tin-ore fields. 351924
Podorozhnyi, A.M.
Determination of oxidation potential of the pair Fm^{2+}/Fm^{3+}. 359748
Podpletnev, V.I.
Dielectric losses in irradiated micas. 357428
Podpletneva, Eh.A.
Dielectric losses in irradiated micas. 357428
Podreka, I.
Scintigraphy in demyelinising diseases of the brain. (INIS-mf – 4010) 357702
Podrosvkij, A.V.
Results of practical use of radiometric defectoscopes. 349957
Podsekin, A.K.
Influence of in-pile irradiation on magnetic spectra of lithium ferrite. 349599
Radiation-induced phase transformation in ferromagnetic perovskite. 365243
Podtykan, V.P.
Structure of scale on molybdenum disilicide. 351662
Podvojskaya, O.N.
Nickel intermetallic compound sprayed in vacuum. 369915
Podzej, A.V.
Investigation of certain mechanical properties of sprayed material. 367267
Podzyrajlo, N.S.
Intracentre luminescence of $SrCl_2$-Pb single crystals. 361481
Poe, N.D.
Myocardial imaging with ^{123}I-hexadecenoic acid. 362787
Poe, R.T.
Rotational excitations in e + H_2 scattering at intermediate energies. 358724
Two- and three-photon ionization of hydrogen and lithium. 350588
Poehlman, S.W.
A semiempirical method of applying the dechanneling correction in the extraction of disorder distribution. 364145
Poelgeest, A. van
Collective bands observed in single closed shell even mass Sn nuclei. (INIS-mf – 4267) 377982
Poelsema, B.
The effect of thermal vibrations of lattice atoms on the scattering of low energetic ions (2-10keV). (INIS-mf – 4079) 361466
Neutralization and ionization of low energy helium ions scattering from a copper surface. 364142
Quasi single collisions in noble gas ion scattering from single crystals; a new calculational approach. 371661
Poelstra, P.
An installation for transport and accumulation studies on undisturbed soil columns under controlled conditions. 354638
Poelz, G.
Evidence for the F meson. 353947
Measurements of tau decay modes and a precise determination of the mass. 372505
On the origin of inclusive electron events in e^+e^- annihilation between 3.6 and 5.2 GeV. 353772
On the semileptonic decay of charmed hadrons. 356496
Poenaru, D.N.
Fission isomers. Experimental work. 354249
Potential barrier parameter systematics for the U, Pu, Am, Cm and Bk isotopes. 377976
Poenisch, A.
Electron spectroscopy study on Gd/Fe alloy films. 370070
Poenitz, W.
Evaluated fast neutron cross sections of uranium-238. (ANL/NDM – 32) 372806
Poenitz, W.P.
Additional measurements of the $^{235}U(n,f)$ cross section in the 0.2- to 8.2-MeV range. 372807
Measurements of the fast neutron fission cross section of ^{235}U. (BNL-NCS – 22500) 356858
Poetzl, K.
Measurement of airborne radioactivity and its meteorolgical application. Part VI. Annual report, 1 August 1974 – 31 July 1975. (NYO – 3425-14) 378940
Poetzschke, M.
Applying hafnium or hafnium alloys as material in plants for reprocessing irradiated nuclear fuels. (German (F.R.) patent document 2520870/A/) 354467
Counter current extraction column for liquid-liquid-extraction with synchronous electrolysis. (German (F.R.) patent document 2520869/A/) 354479
Use of refractory metals with additives in oxygen stabilizing elements as wall materials for heater tubes. 354530
Poeyry, H.
Principles of reverse neutron time-of-flight spectrometry with Fourier chopper applications. (VTT-REA – 30) 366031
Poggenburg, J.K. Jr.
Use of rare-earth radionuclides and other bone-seekers in the evaluation of bone lesions in patients with multiple myeloma or solitary plasmacytoma. 362777
Poggio, E.C.
The infrared structure of the quark-antiquark scattering kernel in quantumchromodynamics: a clue to the nature of the quark binding potential. 364541
Non-leading contributions to the asymptotic behavior of the quark form factor. 364540
Vanishing of charge renormalization and anomalies in a supersymmetric gauge theory. 368579
Pogodin, V.I.
Device for low-temperature target irradiation with ions. 360663
Pogodina, P.A.
Comparison of the effect of gamma-preirradiation of seeds on the fruitfulness of various kinds of hothouse cucumbers. 360247
Pogorelko, O.I.
Calculation of background radiation conditions and radiation heating for superconducting windings in the ITEP hyperon experiment. (ITEF – 114) 376380
Pogorelov, A.E.
Laser radiation effect on the mobility of iron atoms. 359934
Pogorelyj, A.G.
Study of crystal structure and coercive force of Cosub(4)CuCesub(0.9) alloy. 369896
Pogorelyj, V.K.
Spectroscopic study of interaction of vanadium oxotrichloride with alcohols. 359641
Pogosyan, Ya.M.
On the cross-tie walls. 348837
Pogozhev, D.P.
Magnetic field of the single-cut toroidal torsatron. (KFTI – 74-36) 350797
Torsatron. (Soviet patent document 433908/A/) 377408
Pogozhev, V.A.
On pulsed magnetization reversal mechanisms in thin magnetic films in weak fields. 369974
Pogreb, R.M.
Three-beam instability in a shock-ionized n-InSb plasma. 374684
Pogrebnaya, V.L.
On reaction kinetics of vanadyl sulfate with nitric acid. 362205
Some thermodynamic data and kinetic regularities of vanadium pentoxide dissolution in nitric acid solutions. 359678
Pogrebnjak, P.S.
New interpretation of ultrasoft X-ray emission spectrum of argon in the range of 250-270 eV. 377136
Pogrebnoj, N.A.
Structure and properties of the weld-up joints of chromium stainless steels. 349515
Pogson, R.
An improvement to the beam buncher of the University of Manitoba cyclotron. 355202
Pogutse, O.P.
The kinetic theory of runaway electron beam instability in a tokamak. 371982
Pohl, B.A.
Measurements and calculations of the electron recoil spectra from gamma rays emitted by nitrogen for a 14-MeV neutron source. 356538

Rotating target neutron generators. 355173
Pohl, F.
Cyclotron radiation from toroidal plasmas. (IPP – 6/161) 353615
Pohl, M.
Search for strangeness changing neutral currents induced by neutrinos in GARGAMELLE. 361875
Study of neutrino proton elastic scattering in the 'Gargamelle' freon experiment. 377821
Pohl, P.
Verification of BWR design and calculation methods. 370804
Pohl, R.O.
How important is nuclear energy. 370868
Pohlit, W.
Arrangement used to determine the total activity of gamma rays emitted by a body. (German (F.R.) patent document 2517752/A/) 355558
An instrument for the determination, independent of position, of radioactively labelled aerosols in the lungs for clearance testing. (AED-Conf – 76-134-005) 355029
Optimization of cancer therapy : Part I – Inhibition of repair of X-ray induced potentially lethal damage by 2-deoxy-D-glucose in Ehrlich-Ascites tumour cells. 367522
Pohlit, W.E.
Aspects of the regulatory function of adenosine triphosphate on the radiation sensitivity of saccharomyces cerevisiae. 378975
Pohlman, S.L.
Determination of corrosion parameters by digital impedance analysis. (SAND – 78-0038C) 378554
Experimental application of design principles in corrosion research. (SAND – 77-0680C) 373112
Pohlmeyer, K.
Continuity equations for the classical Euclidean two-dimensional non-linear sigma-models. (DESY – 77/48) 353071
Scattering of massless lumps and non-local charges in the two-dimensional classical non-linear sigma-model. (DESY – 77/65) 366856
Poindexter, A.M.
Liquid-metal dip seal with pneumatic spring. (US patent document 4,026,763/A/) 374261
Pointud, M.L.
Emission of fission gases by failed coated oxide fuel particles. 365941
Poirier, J.A.
Direct measurement of the π^- form factor. 372514
A measurement of the electromagnetic size of the pion from direct elastic pion scattering data at 50 GeV/c. 353922
Poirier, M.C.
Detection of carcinogen-DNA adducts by radioimmunoassay. 357703
Kinetics of excision repair synthesis induced by N-acetoxy-2-acetylaminofluorene and ultraviolet irradiation in human diploid fibroblasts. 357558
Poitevin, J.M.
Langmuir probe measurements in the negative glow of a sputtering DC charge. 377236
Poitou, J.
Angular distributions of fission and deep inelastic products of the system Ar+Au at 285 MeV. 354231
Pokatilov, V.S.
Ferromagnetic resonance in iron-chromium monocrystals. 370020
Pokazan'ev, V.G.
Dipole magnetic ordering in nuclear spin-systems. 348838
Optical orientation of 4f electrons in paramagnetic europium chalcogenides. 371703
Pokharna, S.S.
Acoustic attenuation in superfluid helium. 366803
Pokhmelkina, S.A.
Investigation of nature of slowed-down of cadmium anodic oxidation in concentrated solutions of potassium hydroxide. 349280
Pokhmurskij, V.I.
Investigation into thermochemical fatigue of the heat resisting VM-1 and VKh-4 alloys by the ac electric conductivity method in hydrogen atmosphere. 375876
On boride layers stability in hydrogen. (INIS-mf – 4046) 370021
Specific features of silicide coatings formation on molybdenum. (INIS-mf – 4046) 369870
Pokhmursky, V.I.
Fracture kinetics and stability of residual stresses during cyclic deformation of specimens with certain diffusion coatings. 365176
Pokhotelov, O.A.
Trapped alpha-particles cyclotron instability in a tokamak with elliptical cross-section. (IAE – 2664) 356124
Pokora, L.
Plasma-focus dynamics investigations by means of multiframe interferometry and shadowgraphy. (INIS-mf – 3963) 371812
Pokorny, J.
Applications of sealed sources in chemical engineering. I. 379405
Pokornyj, E.G.
Multipurpose facility for measuring spectra of inelastically scattered neutrons in condensed media. (Soviet patent document 278897/A/) 355540
Pokotilovskij, Yu.N.
Ferromagnetic shutters for ultracold neutrons. (JINR-R – 3-9185) 349998, 376335
Storage of ultracold neutrons in copper vessels. (JINR-R – 3-9534) 349137, 354007
Pokrovskaya, N.G.
Uniform elongation of stainless steels. 370022
Pokrovskaya, V.N.
Principles of biological dosimetry in acute radiation sickness. 349942
Pokrovski, N.S.
J/psi particle production in π^--N interactions at 27 and 40 GeV/c. 369364
Pokrovskij, A.N.
X-ray study of binary lithium praseodymium sulfate $LiPr(SO_4)_2$. 378401
Pokrovskij, A.S.
Neutron irradiation effects on the microhardness and electrical resistance changes in molybdenum and TSM-6 alloy. (NIIAR-P – 10(276)) 351904
Pokrovskij, A.V.
Radiometric testing of welds without reinforcement relieving. 370699
Pokrovskij, B.I.
Potassium borohydride interaction with molybdenum(5)chloride at heating. 362145
Pokrovskij, V.L.
Scattering of a high-frequency sound near the lambda transition in He. 369254
Pokrzywnicki, S.
EPR spectra of Mn^{2+} ions in CdY_2S_4 and CdY_2Se_4 of spinel structure. 378367
Pol', Yu.S.
Slow π-meson elastic scattering by nuclei. 369413
Polaczek, A.
Magnetic susceptibility of the rare earth tungsten oxide bronzes of the defected perovskite-type structure (Rsub(x)WO_3). 364017
Polaczek, E.
The inactivation of oxytocin by 254 nm radiation. 367451
Polak, E.
Future developmental trends of HTGR power plants. 368182
New world beyond uranium. 349119
Polak, J.M.
Specific localisation of neurotensin to the N cell in human intestine by radioimmunoassay and immunocytochemistry. 357704
Polak, M.
Czechoslovak-made Nb_3Sn superconductors. 367236
Polak, V.
Method for production of dicarbonic acid anhydrides. (Czechoslovak patent document 157157/B/) 369798
Regulatory activities and their research and developmental support in the CSSR. 371267
Results of research into nuclear power plant safety. (INIS-mf – 4054) 367792
Safety and reliability of nuclear power plant operation. Part 2. 349899
Polan, N.W.
Susceptibility of unirradiated recrystallized Zircaloy-4 tubing to stress corrosion cracking (LWBR Development Program). (WAPD-TM – 1313) 378553
Poland, A.I.
A study of the background corona near solar minimum. 372257
Temporal evolution of the equatorial K-corona. 372211
Polane, J.
The polarized beam facility in Eindhoven. (INIS-mf – 4267) 379513
Polanyi, J.C.
Energy distribution among reaction products. X. 353331
Polasa, H.
Effect of irradiated medium on growth and synthesis of macromolecules in germinating spores of B. Subtilis. 367461
Polednak, A.P.
Long-term effects of radium exposure in female dial workers. 352041
Long-term effects of radium exposure in female dial workers: serum proteins. 373573
Polenov, B.V.
Charged particle spectrometer. (Soviet patent document 307695/A/) 379906
Charged-particle electrostatic analyzer. (Soviet patent document 350395/A/) 379984
Charged-particle spectrometer. (Soviet patent document 409577/A/) 379986
Device for measuring charged particles fluxes. (Soviet patent document 351465/A/) 377591
Electrostatic analyzer for charged particles. (Soviet patent document 321165/A/) 379985
Poleshchuk, O.Kh.
Charge transfer in complexes of donor-acceptor type. 349278
Poletaev, E.D.
Analysis and evaluation of experimental data on the value of alpha for plutonium-239. (INDC(CCP) – 108/U) 356807
Poletaev, G.N.
Wave processes in hydrosystems. (IAE – 2491) 367907
Poletaev, I.F.
Isotherms of solubility of systems $Cs_2Cr_2O_7$-CrO_3-H_2O and $Rb_2Cr_2O_7$-CrO_3-H_2O and distribution of rubidium impurity during $Cs_2Cr_3O_{10}$ crystallization. (INIS-mf – 4187) 375507
Pyrolysis of zircon by lime-salt mixtures. (INIS-mf – 4187) 375539
Reduction of cesium and rubidium from nitrate salts. (INIS-mf – 4187) 375538
Poletaev, V.I.
Muon flux measuring system for neutrino experiments at the IHEP accelerator. 357946
Polezhaev, I.I.
Conditions of growth and properties of residual conductivity of CdS films. 369686

Tempearture dependence of electric conductivity of CdS films with residual conductivity. 348835
Polezhaev, Yu.M.
Mechanism of thermal dehydration of Ti and Zr hydroxides. 359679
Particularities of radiation damages of solid bodies in connection with their ability for deformation. 373377
Polhamus, G.D.
Temperature rise and tissue damage in the primate retina from argon laser irradiation. 362681
Polhede, W.
Applied vacuum technology on the field of nuclear fusion. 353549
Metal-sealed valve for tritium-deuterium operation to be used in nuclear fusion experiments. 368943
Poli, Eh.
Study on the dependence of associative multiplicity of charged pions upon π^- meson transverse momentum in pp interactions at 69 GeV/c. 351218
Poliakoff, E.
Photoluminescence decay in solid xenon. 351867
Poliakoff, E.D.
Time resolved VUV spectroscopy using synchrotron radiation: fluorescent lifetimes of atomic Kr and Xe. 368674
Time-resolved VUV spectroscopy using synchrotron radiation. Zeeman beats in resonance fluorescence of the $^3P_1$ states in krypton and xenon. 377079
Policarpo, A.
Progress in high-accuracy proportional chambers. 379871
Polichar, R.M.
Added precision in ^{57}Fe Moessbauer spectroscopy. 355524
Polikanov, S.M.
Probability of fission of ^{232}Th induced by μ mesons. 349136
Polikanov, V.S.
Quasiclassical approximation for the Dirac equation. 353135
Polikarpov, V.I.
Device for failed fuel elements detection of water cooled reactor after shutdown. (Soviet patent document 274994/A/) 376457
Polikarpov, V.M.
Connection of the M-6000 computer with an image scanner. (ITEF – 64(1974)) 361088
Polikarpov, V.V.
Estimation of method for γ-initiated emulsion post-polymerization of styrene. 365073
Polikovskij, M.V.
Optimization of the thermal scheme of a power plant with a non-equilibrium MHD generator and a "Tokamak" type reactor. (INIS-mf – 3954) 361756
Polimon, J.
Implementation of environmental programs for surveillance of nuclear installations. 352264
Polisar, Eh.L.
Graphite strength improvement during impregnation. 351794
Polishchuk, A.F.
High-conductive phases of solid salts of silver and sodium with XO_4^{2-} (X-S, Cr, Mo, W) anions. (INIS-mf – 4189) 378372
On high-conducting phases of the Na_2WO_4 solid electrolyte. 369692
Polishchuk, A.M.
Kinetics of H^3-thymidine incorporation into nuclei of cells of the regenerating liver of rats exposed to various doses of X-rays. 379005
Polishchuk, D.I.
Critical conditions for ignition of boron particle suspension in gas. 349317
High-temperature combustion of fixed boron particle in oxygen-containing media. 351590
Polistrant, M.B.
Effect of Fermi surface topology variation on the thermodynamic properties of two-band superconductors. 364452
Politiko, S.K.
Failure peculiarities of hot-pressed beryllium during testing on impact strength, statical tension and fatigue. 373214
Politis, C.
Investigations of the influence of oxide fuel and fission products on the mechanical properties of Zry-cladding tubes under accident conditions. (KFK – 2435) 358189
Study on the meltdown behaviour of LWR fuel rods. Experimental results. (AED-Conf – 76-699-008) 360441
UO_2/Zry reactions in power cooling mismatch accidents. 370889
Politzer, H.D.
Freedom now: a new look at the impulse approximation. 361307
Gluon corrections to Drell-Yan processes. 364543
QCD off the lightcone and the demise of the transverse momentum cut-off. 364542
Polivanov, M.C.
Renormalized composite fields in quantum field theory. 348571
Polivka, P.
Application of CdTe detectors in testing nuclear fuel enrichment. 368298
Poljsak, M.
A microscopic theory of collisions between complex nuclei based on the generator coordinate method. 356630
Polkinghorne, J.C.
The physical structure of non-scaling parton models. 353888
Polkovnikov, Yu.F.
A device for exploration of the quarry slopes by a selective gamma-gamma technique. 357446
Pollack, G.L.
Diffusion of ^{133}Xe through frog skins, toad bladders, and water boundary layers. 362751
Pollak, G.
Non-leading contributions to the asymptotic behavior of the quark form factor. 364540
Spacer grid for rod-shaped fuel elements and control rods in nuclear reactors. 355321, 355375
Pollak, H.
Radiative lifetimes of ions from electron-photon coincidence measurements. 353354
Pollak, R.A.
Hybridization and bonding in transition metal compound superconductors: X-ray photoemission from crystalline and amorphous Nb_3Ge. 351795
Pollard, E.C.
Absence of two radiation-induced repair processes in a marine pseudomonad. 360243
Basic aspects of radiation action on microorganisms. Final report for the period ending October 31, 1977. (COO – 2362-27) 378990
Basic aspects of radiation action on microorganisms. Progress report, April 1, 1976 – June 30, 1977. (COO – 2362-26) 362646
Pollard, H.
Endorplims in several regions of rat brain: large differences between radioimmunoassay and radioreceptor assay. 354946
Pollard, J.P.
Method of implicit non-stationary iteration for solving neutron diffusion linear equations. 366900
Pollard, R.D.
Reactor safety. 373855
Pollard, W.G.
Economic and environmental implications of a U.S. nuclear moratorium, 1985 – 2010. (ORAU/IEA – 76-4) 352305
Pollermann, M.
Radiation diaphragm with continuously variable aperture. (German (F.R.) patent document 2431115/C/) 367874
Pollitt, R.J.
Simultaneous determination of the intermediates of the citric acid cycle by gas chromatography – mass fragmentography using deuterated internal standards. 357644
Pollmann, E.
Study of the structure of pyrocarbon coatings of fuel particles by transmission electron microscopy. (Juel – 1309) 354600
Transmission electron microscopy of pyrocarbon coatings. 378791
Pollmann, O.
A detector for high-energy neutrino interactions. 379899
Pollock, A.M.T.
A study of the arrival direction distribution of high-energy particles as observed from the Northern Hemisphere. 369068
Pollock, B.
Spin and lifetime of the Ω^- hyperon. 372517
Study of the reactions $K^-p \rightarrow K^+K^-\Lambda$ and $Kp \rightarrow$panti $p\Lambda$, at 10 and 16 GeV/c. 353978
Pollock, E.L.
Effective field of a dipole in polarizable fluids. 350770
Pollock, G.G.
Automation of multiple neutral beam injector controls at Lawrence Livermore Laboratory. (UCRL – 79640) 371986
Pollock, R.E.
Indiana University Cyclotron Facility: the first year of operation. 367981
Polner, G.L.
Bordoni relaxation and magnetic transformation in cerium and cerium-lanthanum alloys. 367268
Study of α reversible γ transformation in cerium and cerium-neodymium alloys in relation to reversible shape-memory effect. 370047
Polonis, D.H.
Study of phase transformations and superconductivity. Final technical report. (RLO/2225/T13 – 26) 373257
Polonskij, A.V.
Study of thermal decomposition of $EuCl_3x6H_2O$ by high-temperature infrared spectroscopy. (INIS-mf – 4187) 375414
Polonskij, V.S.
Analysis of effect of porous depositions on impurity concentrating in steam generating channels. 376318
Polonskij, Yu.A.
Wettability of yttrium oxide with metallic melts. 351848
Polosukhina, N.S.
Molecular lines of CH in spectrum of the 73 Dra magnetic variable star. 374948
Polotebnova, N.A.
Polarographic properties of 12-tungstogermanic acid and determination of germanium in semiconductor alloys. 367037
Polovin, R.V.
Modification of the Lawson criterion for the cyclotron heating of plasma. 364188
Stationary nonlinear plasma oscillations with account for particle capture. 348870
Polovinkina, P.A.
On the cross sections of conduction electrons scattering and on the effective charges of components in binary liquid metal alloys. 349494
Polovinkina, R.A.
Popularities of electron transfer of Cd, Hg, Ga, In, Tl, Sn, Pb, Sb, Bi in their binary dilute liquid alloys. 349493
Polovinkina, V.N.
On a possibility of sublimation refining of niobium and tantalum chlorides. 369679
Polovnikov, S.A.
J/psi production off Be, Cu and W by 43 GeV/c negative pions. 369344

Polovov, V.M.
Anomalies in the specific heat of neodymium and praseodymium at high temperatures. 356012
Calorimetric study of an electronic transition in Smsub(1-x)Gdsub(x)S alloys. 374658
Calorimetric study of magnetic phase transitions in chromium alloys. 369997
Polozhentsev, E.V.
Size fluctuations of work function for small clusters of metals. 374730
Polozov, S.V.
Automation facility a time-of-flight mass spectrometer for the study on dynamics of fast chemical reactions. 363618
Polozova, I.P.
Glass electrode in redoxometry. 375572
Polster, F.J.
Layout principle of the data processing system for nuclear safeguards at Karlsruhe nuclear research centre. 371300
Poltavets, T.P.
Relative quantum yield of luminescence of NaBr-Eu^{2+}-TR^{3+} crystals (TR^{3+} = Pr^{3+}, Nd^{3+}, Tb^{3+}, Dy^{3+}, Ho^{3+}, Er^{3+}). (INIS-mf - 3955) 378230
Poltavtsev, N.S.
Fine resistance of $NbBe_{12}$ and $TaBe_{12}$ prepared by the method of diffusion saturation in vacuum. 378609
Poltavtsev, Yu.G.
Investieation into short-range order in amorphous $A^2B^4C_2^5$ semiconductor materials. 364987
Poltoratskij, G.M.
Isopiestic investigation of solutions of tributyl phosphate (TBP) and TBPxHNO_3 complexes in benzene at 25 deg. 349234
Poluboyarinov, Yu.V.
Synthesis of heavy isotopes of Ku in bombardment of Cm by 0 ions. 349134
Poluektov, N.S.
Change in the relation of band intensities of Eu^{3+}, Sm^{3+}, Tb^{3+} and Dy^{3+} ion luminesence spectra in complexes as a function of the number of coordinated ligands. 351545
High sensitive luminescent determination of trace amounts of terbium with use of diantipyryl methane and salicylic acid. (INIS-mf - 4191) 375332
Intensity of Yb^{3+} ion absorption band in solutions of some complexes. 369590
Investigation into different-ligand complexes of rare earths with acetoacetic ester and phenanthroline. 375415
Luminescence spectra of lanthanide ions in crystallophosphors during excitation by X-radiation and their use for yttrium preparations analysis. (INIS-mf - 3955) 378253
Modern state of methods for determination of lanthanide microimpurities in high-pure rare earth preparations by using crystallophosphors. 364861
Phosphorescence of complexes of some elements of group 3 with β-diketones at room temperature. 349265
Quantum luminescence yield of europium and terbium ions in heteroligand complexes. 351546
Ratio of intensities of spectral bands of Sm^{3+} and Eu^{3+} luminescence spectra in some crystal phosphors. 368628
Selection of analytical lines of luminescence spectra during determination of lanthanoid ions in solutions of complexes. (INIS-mf - 4191) 375331
Spectrophotometric determination of europium in the presence of other rare earths. (INIS-mf - 4191) 375296
Spectrophotometric investigation of mixed-ligand complexes of some rare earths with ethylenediaminetetraacetic and oxalic acids. 375519
Spectrophotometric study of neodymium (3), holmium (3) and erbium (3) ions complexing with acetoacetic ester. 349279
Poluektov, V.A.
The effect of composition of mixture on rate of radiation initiation of chain reactions. 369805
Poluektova, E.N.
Interaction of zirconium with 3,5-dinitropyrocatechol and pyrazolone derivatives and its use in analysis. 375333
Spectrophotometric determination of constants of tellurium (4) hydroxocomplexes formation. 351537
Spectrophotometric determination of formation constants of tungsten(6) monomer hydroxocomplexes. 351538
Sulfonaphtholazoresorcinol as reagent for tungsten. 375334
Poluektova, N.S.
Extraction-luminescent determination of microquantities of europium as different-ligand complexes with 1-naphthionic acid and 1,10-phenanthroline. (INIS-mf - 4192) 375316
Polukhin, P.I.
The ways of increasing the socket accuracy in the course of broaching on a three-roll mill. 375785
Polukhin, V.A.
Using molecular dynamics method for the evaluation of Fe-Ni and Al-Zn melts structure properties. 349516
Polumordvinova, N.I.
Dynamic characteristics of the booster for the 70 GeV proton synchrotron. (JINR-R - 9-9067) 355181
Polunin, A.K.
Anion-exchange affinage of plutonium and neptunium during extraction reprocessing of WWER spent fuel elements. 359839
Polunina, G.P.
High-pressure phases in the PbO-UO_2-O_2 system. 351608
Polushchik, A.F.
Dimensional factor in solid lithium electrolytes of the Li_2XO_4 (X-S, Cr, Mo, W) type. (INIS-mf - 4189) 378373
Polyachenko, A.A.
Optimization of measurement conditions and parameters of apparatrus for pulse neutron logging. 365291
Polyachenko, A.L.
Neutro moderation in a two-layer cylindrical medium. 349649
Polyachenko, V.L.
Evaluation of the maximum anisotropy of stellar velocity distribution in galaxies. 369184
Nonlinear phenomena in gas subsystems of flat Galaxies. 369183
Polyak, Eh.A.
Use of selective dissolving of zirconium and titanium during investigation into corrosion. 351673
Polyak, L.Z.
Study of structure and morphology of the hardening phase in the Nb-Zr-C alloy under long-term action of high temperature and stresses in vacuum. 378655
Polyakov, A.A.
Experimental determination of the effective resonance integral of metallic thorium. 358049
Polyakov, A.M.
Hidden symmetry of the two-dimensional chiral fields. 368580
Thermal properties of gauge fields and quark liberation. 377763
Polyakov, E.G.
Electrode processes during niobium refining in chloride-fluoride melts. (INIS-mf - 4189) 375488
Polyakov, Eh.V.
Passive filter of the IFVE accelerator ring electromagnet. 370750
Polyakov, K.K.
Radioisotope X-ray fluorescence analyzer for elemental rock and ore analysis in natural deposits. (Czechoslovak patent document 157766/B/) 371174
Polyakov, L.M.
Studies of granular sorbent wearing under vibration load in cryosorption pumps. (KFTI - 75-10) 355129
Polyakov, P.V.
Thermal conductivity of binary salt systems. (INIS-mf - 4193) 375456
Polyakov, V.A.
Effect of rarefied gas flows on the temperature mechanical properties of refractory metals. (INIS-mf - 3954) 362368
Polyakov, V.I.
Radioactivity of cover gases in a fast reactor (experienced in BOR-60). (IWGFR - 7) 360969
Studies on radioactivity build-up and distribution in the BOR-60 circuit. (IWGFR - 7) 360981
Studies on the efficiency of radioactive impurity trapping by the BOR-60 trap. (IWGFR - 7) 360985
Polyakov, V.M.
Mathematical model of photoelectron fluxes latitudinal in the middle-latitudinal ionosphere. 376052
Polyakov, V.P.
Study of the interaction between intermediate vanadium oxides and carbon. 369688
Polyakov, Ya.M
Study of the process of surface alloying of nickel alloys with tanthalum using contact or noncontact technigue. 357296
Polyakov, Ya.M.
On the interaction of vaporous chlorides of niobium and tantalum with water vapors. 351574
Polyakov, Yu.N.
Analytical method for calculation of "large" reactors in a multigroup diffusion approximation. (NIIAR-P - 256) 352450
Polyakova, G.N.
Energy spectra of excited atoms produced by electron impact dissociation of H_2 and D_2 molecules. 368692
Kinetic energy distributions of excited H and D atoms produced by electron impact on H_2O and D_2O molecules. 368691
Polyakova, N.A.
Some peculiarities of dislocational structure of fine domain ordered Ni_2Cr alloy on early deformation stages. 370013
Polyakova, N.V.
Investigation of temperature dependence of diamagnetic susceptibility. Effect of different additions on electronic structure of carbonic fibers. 378376
Polyakova, V.P.
Secondary electron emission from an iridium monocrystal. 375890
Polyanskij, L.E.
Study on stability of breakdown voltage in gas-discharger for pulse voltage generators. 352426
Polyantseva, M.S.
Investigation of molten binary systems of aluminium bromide-rubidium bromide and aluminium bromide-cesium bromide. (INIS-mf - 4189) 375430
Polyarush, A.Yu.
Observation of possible production and decay of short-living heavy neutral particles in the SKAT neutrino experiment. 353930
Polyntsev, A.D.
Computer code simulating minicomputer operation on a large computer. (JINR - 11-9558) 376757
Polyushits, A.V.
Radiative characteristics of the UGU-200 multichamber gamma-unit. 349933
Polyvchenko, A.L.
Theoretical optimization of instrumentation for multi-probe neutron logging. 349650
Polzer, G.
Possibilities and limits of the application of surface activation in wear investigation of constructional parts. 373958
Polzer, W.L.
Plutonium ad americium behavior in the soil/water environment.

II. The effect of selected chemical and physical characteristics of aqueous plutonium and americium on their sorption by soils. (BNWL – 2117) 370263
Plutonium and americium behavior in the soil/water environment. I. Sorption of plutonium and americium by soils. (BNWL – 2117) 370258
Pomansky, A.A.
A new limit for the electron stability. 353990
Pomerantsev, G.B.
Safety of sodium-cooled fast reactors. 370527
Pomerantsev, G.V.
BN-350 reactor shielding studies. 368195
Pomerantsev, V.N.
Exclusion of occupied states in the Faddeev equations for three composite particles. 348598
Pomernacki, C.L.
Automated sample-processing and titration system for determining uranium in nuclear materials. (UCRL – 52351) 380122
Microcomputer-based controller for temperature programming the direct inlet probe of a high-resolution mass spectrometer. 367933
Pomeroy, D.
Concepts of nuclear quality assurance. 376443
Pomeroy, D.L.
Nuclear fuel performance evaluation. Final report. (EPRI-NP – 409(6-77)) 363436
Pomeroy, S.E.
Assessment of environmental aspects of uranium mining and milling. Final report, 12 February – 7 July 1976. (PB – 266413) 360472
Pomet'ko, R.S.
Burnout mechamism in an annular dispersed flow regime at steam qualities lower than limit ones. (FEI – 648) 349973
Pometto, A.L. III
Preparation of specifically labeled ^{14}C-(lignin)- and ^{14}C-(cellulose)-lignocelluloses and their decomposition by the microflora of soil. 367621
Pometun, E.A.
Elimination of effect of rock composition on spectral determination of niobium and tantalum. 372915
Pommier, J.
Direct and charge-exchange inelastic processes in ion-atom collisions. 348738
Formation of He metastable in He^+ – alkali collisions. 353332
Pomogajlo, A.D.
Magnetic properties of molybdenum halides on polymeric carriers. 378293
Pomorski, K.
High spin behavior of nuclei with proton number 40-60. 356648
Microscopic dynamic calculations of collective states in xenon and barium isotopes. 372658
Pomorski, L.
A method of lithium concentration measurements in glass samples using the ^{7}Li(p,n)^{7}Be reaction. (INP – 889/PL) 371662, 378151
Pomortsev, V.V.
Dynamics of electron-nuclear spin systems in solids. 356041
Pompe, V.
The effect of statistical distribution of the reinforcing fiber strength on the bearing ability of a composite material with a metallic plastic matrix. 365160
Pompe, W.B. van der
The relationship between serum CEA-levels and a number of non-gastrointestinal malignancies. (INIS-mf – 4010) 370490
sup(99m)Tc diethylacetanilido-iminodiacetate combined with functional imaging for the study of hepatobiliary function. (INIS-mf – 4010) 370463
Technetium-99m-labelled diethyl-acetanilido-iminodiacetate: a new hepatobiliary agent. 352077
Pomponiu, K.
Mathematical aspects of the problems of the analytical proposal in elementary particle theory. 349057
Pomykala, W.
An electronic circuit with zero dead-time for extension of the pulse duration. 376649
Pomytkin, A.P.
Kinetics of high-temperature oxidation of boron carbide in oxygen. 362302
Pon, G.A.
Nuclear issues: weighing the pros and cons. 361165
Nuclear power reactor safety. (AECL – 5694) 360951
Poncelet, C.G.
Addressing the nuclear controversy on university campuses. 371323
Direct-coupled-ray method for design-oriented three-dimensional transport analysis. 374239
Pond, R.B.
Experimental studies of GCFR safety physics parameters in the ZPR-9 critical assemblies. (CONF-761001 – P2) 362867
Pondrom, L.
Electron cooling for pedestrians. (BNL – 50611) 357985
Poner, D.M.
Magnetic testing of the mechanical properties of heavy-plate rolled stock of 20K and 09G2 steels. 375755
Pongratz, M.B.
Lagopedo: two F-region ionospheric depletion experiments. (LA-UR – 77-2743) 378939
Poninski, M.
Thallium-204 sealed sources from a target activated in the EWA reactor. 355077
Ponomarchuk, V.A.
Determining trace amounts in oils using neutron activation method. 367355
Ponomarev-Stepnoj, N.M.
Nuclear energy centres and the economic and ecological problems of nuclear power development. 368445
Ponomarev-Stepnoj, N.N.
Structure of the nuclear power industry with allowance for energy production other than electricity. 366115
Use of nuclear reactors to produce high-temperature heat for energy-intensive industrial processes. 366129
Ponomarev, A.N.
Development of radiation-chemical technology for production of rubber products using electron accelerators. (INIS-mf – 4194) 376286
Shift of frequency of hyperline transition Δmsub(F)=0 of H atom basic state in its's chemical interaction with gase form molecules. (INIS-mf – 3915) 350619
Ponomarev, B.K.
Effect of a pulsed magnetic field on terbium high pressure phase. 370061
Ponomarev, D.V.
Automation system of the processing of aerial gamma spectrometry surveys "Aehropoisk-2". 376008
Ponomarev, L.I.
Calculation of the hydrogen μ-mesic molecule de-excitation rates. (JINR-R – 4-10635) 374634
Scattering problem in quantum mechanics as an eigenvalue problem. (JINR-R – 4-9915) 376937
Schroedinger perturbation theory in the adiabatic representation of the three-body problem. 376951
Two-centre problem in quantum mechanics. 7. Nonadiabatic matrix elements connecting, the states of discrete and continuous spectra. (JINR-R – 4-9860) 376936
Ponomarev, L.P.
μ^- meson catalysis of nuclear fusion in a mixture of deuterium and tritium. 372522
Ponomarev, V.N.
Excitation of elastic waves by charge particle beams in solid dielectrics. 361417
Problems of classical and quantum gravitational collapse. 1. 369185
Ponomarev, V.S.
X-ray CdTe detectors. 376642
Ponomarev, Ya.G.
Temperature motion of the Fermi level in Cdsub(x)Hgsub(1-x)Te semimetallic alloys. 363965
Ponomarev, Yu.S.
Corrosion of nickel in potassium and sodium chloride melts containing vanadium trichloride. 369820
Ponomareva, E.I.
Rhenium extraction from zinc-cadmium solutions at the Chimkent lead plant hydroshop. 351709
Ponomareva, R.P.
Radiosensitivity of the photosynthetic system of agricultural plants. 379001
Ponomareva, V.M.
Surfactant complexes of metal-organic compounds – anion type and their use in polarography. (INIS-mf – 4192) 375379
Ponomaryov, V.I.
Synthesis and structural characteristics of the spinel-type solid solutions in the Mn-V-Fe-O system. 359680
Ponosov, A.K.
Characteristics of protons emitted into the backward hemisphere in pion-nucleus interactions. 369375
Ponpon, J.P.
Channeling of protons, pions and deuterons in the GeV region. 353418
Channelling effects for 15 GeV/c negative pions. 377798
Energy loss of 2-15 GeV/c particles in Si and Ge single crystals with a comparison to existing theory. (INIS-mf – 3996) 364005
Terrestrial silicon P-N junction solar cells obtained by ionic-implantation. (CRN-CNPA – 77-7) 355559
Pons, R.
Total cross sections for charged-current neutrino and antineutrino interactions in BEBC in the energy range 20-200 GeV. 353945
Ponte, N.S.
Design philosophy and use of high voltage power systems for multi-megawatt ion beam accelerators. (CONF-771029 – 68) 371736
Development and use of 60 kV, and 150 kV floating deck modulators for high voltage protection of multi-megawatt ion beam accelerators. (CONF-771029 – 67) 371735
Modulators for high power neutral beam systems. (EPRI-ER – 376-SR) 361609
Neutral beam injection and ohmic heating switch needs for a tokamak experimental power reactor. (EPRI-ER – 376-SR) 361529
Pontecorvo, B.
Again on neutrino oscillations. (JINR-E – 2-9830) 377707
Lepton mixing and the 'solar neutrino puzzle'. 351140
Pontecorvo, G.B.
New improvement in track localization in self-shunted helium streamer chamber. 355527
Pontekorvo, B.M.
Quark-lepton analogy and neutrino oscillations. (JINR-D – 2-9788) 375018
Pontekorvo, D.B.
Hydrogen streamer chamber with localizing admixtures. (JINR-R – 13-9713) 368303
Localization of charged particle tracks in a self-shunting helium streamer chamber. 379868

Ponterorvo, B.M.
Facilities for studying free neutrinos. 366032
Pontifix, G.
The value of scintigraphy in orthopaedic clinical practice. (INIS-mf – 4010) 370474
Ponto, R.A.
Computers. A perspective on their usefulness in nuclear medicine. 355696
Ponyatovskij, E.G.
Effect of hydrogen pressure up to 20 kbar on the Curie point of Fe-Ni alloys in invar region. 378708
Pool, T.P.
Regularization of the Roy equations with a smooth cutoff. 366820
Poole, A.D.
Economic and environmental implications of a U.S. nuclear moratorium, 1985 – 2010. (ORAU/IEA – 76-4) 352305
Poole, M.J.
Improvements in or relating to sensors for monitoring the electrical conductivity of electrically conductive fluids. (UK patent document 1491207/A/) 376578
Poole, W.P.
Difunctional aromatic arsenic acids as reagents for liquid-liquid extraction of scandium(III). 359670
Poon, C.B.
The early morning development and the evening decay of electron content-latitude profiles at low latitudes and their dependence upon solar declination. 373474
Poon, S.J.
Magnetic and transport properties of amorphous ferro magnetic Gd – Au, Gd – Ni and Gd – Co alloys obtained by splat-cooling. (CALT – 822-96) 351741
Remanent magnetization of amorphous La – Gd – Au alloys with high Gd content. (CALT – 822-94) 351796
Poonia, S.R.
Uptake of phosphorus from applied $Ca(H_2PO_4)_2$ and Na_3PO_4 by Dhaincha (Sesbania aculeata Pers.) in relation to exchangeable sodium in soil. 376162
Poore, M.W.
Evaluation of the fatigue resistance of CDA 182 copper for use in the impurity study experiment fusion research tokamak (ISX). (ORNL – 5302) 377379
Pop-Jordanov, J.
The nuclear fuel cycle for research and power reactors. 369844
Pop, I.
The Hall effect on an unsteady flow due to a rotating infinite disc. 356042
Nuclear magnetic resonance of lanthanide-copper compounds with $CeCu_6$ structure. 364938
Pop, S.S.
Continuous radiation under ion bombardment of some transition metals. 374764
Excitation of sputtered and scattered particles under ion bombardment of some metal surfaces. (INIS-mf – 3996) 364095
Popa, M.S.
The determination of the lifetimes of nuclear excited states by means of the methods based on the recoil motion of the nuclei. The recoil distance method. 377927
Lifetime determinations of the nuclear excited states by Doppler shift attenuation method. 377874
Pope, C.N.
Generalized spin structures in quantum gravity. 371387
Pope, J.D.
Detection of carbon dioxide in the gases evolved during the hot extraction determination of hydrogen in uranium ingots. (NLCO – 1146) 362128
Pope, J.M.
Ammonia as a sintering aid for UO_2. 351843, 362502
Pope, N.
Refueling outage planning, scheduling and coordinating. 358219
Pope, R.B.
LMFBR spent fuel transportation technology development. 352406
Problems of heat transfer within the containing vessel of high performance LMFBR spent fuel shipping casks. 350029
A program for the development of technology for safe shipment of spent fuel from commercial liquid metal fast breeder reactors in the USA. 350016
Pope, T.P.
A statistical study of spicule inclinations. 353702
Pope, W.M.
Cs^+-Kr and Cs^+-Xe interaction potentials. 377015
Popek, R.J.
^{235}U thermal neutron fission yields relative to NBS fission measurements Test 74-3. (HEDL-TME – 75-130) 351403
Chemical Engineering Division fast-neutron dosimetry annual report, July 1975 – June 1976. (ANL – 76-104) 361556
Fission rates in BIG-10 Test C-ANL(74-16) based on K-yield factors. (HEDL-TME – 75-130) 351406
Fission-product reaction rates from BIG-10 Test C-ANL(74-16). (HEDL-TME – 75-130) 351405
Fission-product reaction rates from CFRMF Tests ANL 74-7A and 74-7B. (HEDL-TME – 75-130) 351404
Reaction rates for nonfission foils irradiated in BIG-10 Test E-ANL(74-23). (HEDL-TME – 75-130) 351402
Recalibration of Ge(Li) detector efficiency. (HEDL-TME – 75-130) 352347
Popeko, A.G.
Multiplicity of prompt neutrons in spontaneous fission of ^{238}U. (INIS-mf – 3896) 356859
Popeko, L.A.
Epsilon-γ coincidence spectrometer. 361052
Popel, O.S.
Nuclear hybrid plant with laser fusion reactor. (INIS-mf – 3963) 353556
Popel', S.I.
Molten iron-chromium-nickel alloy oxidation rates during deep decarbonization with argon-oxygen mixture. 375779
On the structure of In_2Bi melted compound. 349517
Structure of the Bi-Sn, Bi-In and Ga-Sn eutectic melts investigated by electron diffraction. 375877
Popescu, A.
Alpha decay of heavy and superheavy nuclei. 356593
Popescu, C.
Fittings in energy engineering. 365813
Popescu, D.
Contribution to the study of alpha decay in heavy and superheavy nuclei. (INIS-mf – 4152) 377928
Popescu, D.G.
Alpha decay of heavy and superheavy nuclei. 356593
On the alpha decay of ^{255}Fm, ^{257}Fm and ^{241}Pu. 356592
Proton scattering on ^{238}U and the probable isobaric analogue resonances. 356579
Popescu, F.
Time variation of activity of some fission products released during variable reader operating histories. (IFA-MN – 22-1976) 357376
Popescu, I.
Gamma-gamma angular correlations in ^{151}Sm. 356691
Properties of the 635.4 keV level in ^{171}Tm. 375157
Popescu, I.M.
Charge collection measurements on TEA CO_2 laser produced plasma on metallic targets. 377331
Popescu, M.A.
Disorder phenomena in covalent semiconductors. (INIS-mf – 4021) 356043
Popescu, M.V.
Effects of cobalt-60 gamma-irradiation in association with prostaglandin E_1 treatment on the cyclic AMP levels of some radiosensitive tissues. 367510
Popielewicz, A.
Infrared absorption in thin film of hydrogen-bonded ferroelectrics. 364052
Popik, Yu.V.
Effect of electron state of a surface on repolarization processes in SbSI ferroelectric-semiconductor. 355956
Popkov, A.A.
Effect of treatment of γ-irradiated aluminium silicated on composition of cracking products. 373076
Popkov, A.N.
Effect of heat treatment on properties of InSb alloyed with Ge, Zn, Mn, Cd. 369911
Investigation of thermal conditions in growing eutectic alloy of indium and nickel antimonides using Czochralski method. 357294
Properties of the eutectic alloy of indium antimonide with nickel antimonide grown by Czochralski method. 354571
Popkov, E.V.
Behaviour of platinum metals during pyrometallurgical processing of copper-nickel ores and methods of their extraction. 359608
Popkov, G.N.
Plasma diagnostics in the T-10M facility. (INIS-mf – 3954) 361604
Reactor-tokamak operating in a cycling regime. (IAE – 2365) 348938
Vacuum conditions at Tokamak-10. 368948
Popkov, Yu.A.
Detection of spontaneous slant of magnetic sublattices in hexagonal antiferromagnetic $CsMnF_3$. 361462
Poplavnoj, A.S.
Lattice dynamics of $CdGeP_2$. 350771
Poplavskij, I.V.
Singlet even nucleon-nucleon potentials obtained by algebraic method of inverse scattering problem. 375126
Poplawski-Tabarelli, S.
Irreversible binding of ^{14}C-labelled trichloroethylene to mice liver constituents in vivo and in vitro. 354970
Poplevina, L.V.
Pyridineazo compounds as reagents for zirconium. 372864
Study of heterocyclic azo compounds in analytical chemistry of zirconium. (INIS-mf – 4191) 375464
Popłyko, M.G.
Behaviour of ^{239}Pu and dynamics of morphological changes in the lungs of rats after continuous inhalation of the citrate complex of the isotope. 379100
Popolitov, V.I.
Crystallization and X-ray radiographic investigation into bismuth orthoniobate. 351515
Crystallization in the Sb_2O_3-Nb_2O_5-KF-H_2O system. 354361
Popov, A.
An acceleration evaluation of the performance of the Soviet-French wide-gap spark chamber for gamma-ray astronomy. 368266
Inducing disease resistant maize mutations via ionizing radiation. 376090
Popov, A.A.
Delay time units in the CAMAC standard. (JINR – 9-9041) 350055
Popov, A.I.
Cesium-133 nuclear magnetic resonance study of complexation by cryptand C222 in various solvents: evidence for exclusive and inclusive complexes. 367104
Complexation of the cesium cation by macrocyclic polyethers in various solvents. A cesium-133 nuclear magnetic resonance study of the thermodynamics and kinetics of exchange. 351445
Level intersection and instability of the magnetic structure in rare

earth ferrite garnets. 377323
Proton radiative capture in ^{58}Ni, ^{60}Ni, ^{61}Ni nuclei. (KFTI – 75-15) 362078
Spectroscopic studies of ionic solvation. XX. Cesium-133 NMR study of cesium salts in different solvents. 362174
Study on excited states of ^{94}Nb in the ^{94}Zr (p,nγ)^{94}Nb reaction. 377991

Popov, A.M.
Photochemical reactions of pentahalogenonitrosoruthenates. 349272
Study on interaction of ruthenium- and osmium hexacyanocomplexes with nitric acid. 357043
Three dimensional code for studying of MHD motion of tokamak plasma. (INIS-mf – 3963) 371802

Popov, A.P.
Pressure of SnI_2 saturated vapor. 375616

Popov, A.V.
Formation of quadrupole lens fringing field. (NIIEFA-B – 0215) 350080

Popov, B.A.
Kinetics of ^{241}Am metabolism administered via lungs. 360363
Metabolizm and acceleration of excretion of the inhaled americium-241. 357614

Popov, D.K.
Natural concentrations of Pb^{210} and Po^{210} in plants of steppe phytocoenoses. 357630
Some regularities in the radioisotope behaviour in fresh water reservoirs. 349304

Popov, D.S.
Oxidation of the powder of nickel-chromium based alloy. 369816

Popov, D.V.
Effect of irradiation and cystamine on the secondary induction of cornea in anura larvae. 379036

Popov, E.P.
Capacity of columns with splice imperfections. 351797

Popov, Eh.P.
Angular distribution of scattered gamma radiation from ^{137}Cs source in density gamma-gamma logging. 360159
On the equilibrium between radium B, radium C and radon in natural waters. 357516
Optimal conditions for measurements in the section dismembering using density gamma-gamma logging. 360160

Popov, G.F.
Acoustic effect from superhighenergy particles in some stable liquids. 363597
On mechanism of hydrodynamic radiation of charged particles in water. 368899

Popov, L.E.
Strain hardening of alloys with the face-centered cubic lattices. 373258

Popov, M.S.
Study of zirconium complexing with some amino acids by metal-indicator method. 378316

Popov, S.G.
Targets for storage devices. 350054

Popov, V.A.
Excitation of the JINR linear accelerator resonator. (JINR – 9-9061) 350085
On increasing of the accelerated nuclear beam intensity in proton linear accelerators. (JINR – 9-9592) 357939
On the enhancing nuclear beam intensity in proton linear accelerators. (JINR – 9-9592) 357940
Positive feedback of the rf system of the JINR linear accelerator LU-20. (JINR – 9-9192) 357986
The ways of increasing the socket accuracy in the course of broaching on a three-roll mill. 375785

Popov, V.E.
Possibility of using 'dissolution' method of synthesis and crystallization for preparation of dispersion-hardened composite materials. 375788

Popov, V.F.
Influence of cerium and niobium small additions on hot plasticity of the Kh25t steel. 370044

Popov, V.I.
Analysis of neutron cross sections of nickel and chromium isotopes in the fast energy range. (INIS-mf – 4043) 361966
Features of the structural state of vacuum condensates of copper base alloys. 375878
Investigation into electrical and physical properties of superconducting vanadium films. 359947
Investigation into the structure of molybdenum vacuum condensate on supphire. 362370

Popov, V.N.
Hydrodynamic action functional and the Bose-spectrum of superfluid Fermi-systems of the He 3 type. (JINR-D – 17-10529) 374994

Popov, V.P.
Change of density of cubic ZrO_2 under the effect of anion vacancies. 378319
Preparation of solid solutions with electron conductivity on the base of zirconium dioxide. 349571
Radiometric gage. (Soviet patent document 458793/A/) 376650
Solid solutions on the base of tetrafluoroborates and perchlorates. 375531

Popov, V.S.
Borel summation of perturbation series in quantum mechanics and field theory. 371422
Bound states near the lower-continuum boundary. 348605
Distribution of a vacuum charge near supercharged nuclei. 377920
Electron-positron pair creation from vacuum induced by variable electric field. 349069

Popov, V.V.
Comparison of spectroscopic and polarization properties of CaF_2-TR^{3+} (TR – rare earths). (INIS-mf – 3955) 366449
Electrophysical properties of zirconium carbide. 370100
Use of statistic classification method for lithologic separation of rocks from complex geophysical measurements. 378853

Popov, Yu.F.
Magnetostriction of intermetallic compounds of rare earths with iron of Laves phase type. 373161

Popov, Yu.M.
Photoluminescent properties and optical gain of CdS, CdSe monocrystals excited by electron beam. 348770

Popov, Yu.P.
(n, α) reaction for deformed and transition nuclei. (INIS-mf – 3897) 354140
On possible effect of single-particle excitations on gamma-decay of compound states. (JINR-R – 4-10805) 375199
Strength functions of primary soft gamma transitions near the neutron binding energy. (INIS-mf – 3897) 354275
Study on low-energy gamma rays in the ^{147}Sm (n, γ) reaction with resonance neutrons. (INIS-mf – 3897) 356860

Popova, A.P.
Capacity of double electric layer of antimony and its alloys with lanthanum in molten halogenides. (INIS-mf – 4189) 375593

Popova, G.N.
Neutron total cross-section for isotopes. (INIS-mf – 3897) 356752

Popova, I.I.
Ordering in Se-Te solid alloys. 361454

Popova, L.
Storage of irradiated strawberry fruits. 354763
Study on age parameter of extensive air shower. 362612

Popova, L.V.
Distribution of the electron beam absorbed energy in solidification of lacquer-paint coatings. (INIS-mf – 4194) 376289
Study on reliability of electron accelerators by the Monte Carlo method. (INIS-mf – 4194) 376376

Popova, M.D.
Unique object KR Aurigae. 369186

Popova, M.I.
Calculations of the cross sections of two-electron removal from inner shells of atoms by protons. 377045

Popova, N.N.
Fire-assay determination of small amounts of gold in mineral raw materials. 378136

Popova, S.V.
High pressure polymorphs of niobium dichalcogenides. 375929
Polymorphism of NbX_2 at high pressures and temperatures. 359642
Synthesis of La_3Sn cubic phase at high pressures and temperatures. 374743

Popova, T.E.
Extraction of alkaline earth elements by carboxylic earth elements by carboxylic acids. 357113

Popova, T.N.
Heat addition of pyridine and its derivatives to hafnium tetrachloride. 378315
Improvement of the cooling technology and heat treatment of electroslag- and arc vacuum melted ingots of strong trough structural steels. 375786

Popova, V.M.
Multiplicity of charged particles in π^- p interactions with production of strange particles. 375071

Popovic, D.
The nuclear fuel cycle for research and power reactors. 369844

Popovic, D.S.
Anomalous dimensions in the (anti psi phi) psi phi model field theory in 1/N expansion. 359310

Popovich, V.V.
Metal melt effect on metal deformation during mutual indentation. 359911
Short-time strength of 5vmts alloy in liquid media at elevated pressure. 378709

Popovkin, B.A.
Pressure of saturated vapour of crystalline bismuth oxyiodide BiOI. 359633
Study of p-T-x-phase diagram of BiI_3-Bi_2Te_3 system. 357073

Popow, C.
AU-purpose dosimetrie system-set of lines of gamma radiation and stands for standardization and calibration of dosemeters and radiometers to alpha and beta particles. (INIS-mf – 4018) 374362

Popp, M.
The energy research program of the Federal Republic of Germany. 366146

Poppa, H.
Adsorption and early stages of condensation of Ag and Au on W single-crystal surfaces. 351700
Calculations for predicting the orientation of lead atoms adsorbed on tungsten surfaces. 369962

Poppe, C.H.
H(t,n)^{3}He reaction for depth profiling of hydrogen by neutron time-of-flight. (UCRL – 79201(Rev.1)) 351245, 356938

Poppe, D.
Dynamics of the collision induced rotational excitation of diatomic molecules in a PI-state: classical trajectory studies for the $Li_2(B^1PIsub(u))$-noble gas system. 355914

Poppema, O.J.
The polarized beam facility in Eindhoven. (INIS-mf – 4267) 379513
Scattering of polarized protons by iron and nickel isotopes. 362067

Poppensieker, K.
A precision measurement of the longitudinal polarization of $^{210}_{83}$Bi(RaE)β-particles at 900 keV. 351407

Popper, D.M.
Star spots on AR Lac type stars. 369187
Popper, G.F.
Analysis of thermal fluctuations in the semiscale tests to determine flow transit delay times using a transfer function cross-correlation technique. (ANL-CT – 77-17) 362998
Poppitz, P.
Dosimetric considerations on the radiation exposure to patients in X-ray diagnostics and nuclear medicine. 355043
Poppleweli, J.
The structure of vapour-quenched Gd-Ag alloys containing between 0 and 16 at % silver. 378710
Popruzhko, L.A.
State primary standard for units of equivalent dose and equivalent dose rate of neutron irradiation. 376262
Popryadukhin, A.P.
Axial – asymmetric divertors for a tokamak. (IAE – 2606) 356148
Classical particle streams in plasma with one-dimensional density and temperature inhomogeneities. (IAE – 2404) 348955
Popta, J. van
The QMG/2 magnetic spectrograph and its focal plane detector. (INIS-mf – 4267) 379877
Popushoj, M.N.
Singlet even nucleon-nucleon potentials obtained by algebraic method of inverse scattering problem. 375126
Popytaev, A.N.
Heating a dense theta-pinch plasma with strong fast-rising magnetic fields. 348894
Poraj-Koshits, M.A.
Structure of Marignac's salt. 357056
Porat, Y.
Small-system expansion with large nuclear generating units. Technical feasibility and economic soundness. 371239
Porges, K.G.
Neutron induced gamma spectrometry for on-line compositional analysis in coal conversion and fluidized-bed combustion plants. (CONF-771072 – 3) 378118
Porile, N.T.
Deexcitation processes in nuclear reactions. Progress report, May 1, 1976 – July 31, 1977. (COO – 1505-86) 362090
Porjesz, T.
Designing highly homogeneous superconducting magnets by computer. 349993
Porkolab, M.
Parametric instabilities due to lower-hybrid radio frequency heating of tokamak plasmas. 371987
Parametric processes in magnetically confined CTR plasmas. 371988
Porodzinskij, Yu.V.
Group constants for ^{235}U, ^{239}Pu, ^{240}Pu and ^{241}Pu; comparison with data from other libraries. (INDC(CCP) – 113/U) 356649
Poros, D.J.
Solar generated quasi-biennial geomagnetic variation. (N – 77-25710) 370309
Porotnikov, N.V
Luminescence spectra of rare earth ions in $LaYO_3$ and $LaLuO_3$. (INIS-mf – 3955) 366450
Porrot, E.
Experimental evidence of ion heating by transit time magnetic pumping. 353516
Tokamak discharges in Petula with alumina chamber. (INIS-mf – 3963) 371737
Porsche, H.
Overview of the Helios 1 and Helios 2 missions and their participation in STIP intervals I and II. 372242
Porschen, W.
Optimization of cancer therapy : Part II – Effects of combining 2-deoxy-D-glucose treatment with gamma-irradiation on sarcoma-180. 367523
Porsching, T.A.
Finite difference method for thermally expandable fluid transients. 363403
Porsev, G.D.
Search for a neutron electric dipole moment using ultracold neutrons. (INIS-mf – 3895) 355525
Porstendoerfer, J.
Measuring method to determine low Rn-exhalation rates from solid materials. (AED-Conf – 76-530-009) 357848
Portal, G.
Effects of chronic and continuous low-dose rate gamma exposure on the life span of athymic nude and heterozygous mice. 354785
Preliminary results on the use of a high output automatic reader for personal radiothermoluminescent dosimeters. 355577
The response of some thermoluminescent materials to neutrons. 355552
Stability of various RTL calcium sulfates used for environmental measurements. 355547
Porte, J.P.
Inclusive V^0 production in anti pp interactions at 12 GeV/c. 353939
Porte, R.
Small- and medium-power pressurized water reactors for the production of electricity and/or heat. 376522
Portella, P.D.
Spin states in cubic symmetry: spin 5/2. 363960
Porter, A.I.
The effect of laser treatment on the wear resistance of steel in corrosive media. 349370
Porter, D.A.
Improvement in the accuracy of microanalysis with the combined electron microscope and energy analyser. 352839
Porter, D.L.
Application of high-resolution TEM to ceramic science. 373300
Mechanisms of toughening partially stabilized zirconia (PSZ). 362501
Reply to further discussion of precipitation in partially stabilized zirconia. 357377
Porter, G.D.
Directions for possible upgrades of the Mirror Fusion Test Facility (MFTF). (UCRL – 80475) 377380
Effect of extended pulse length on the Mirror Fusion Test Facility (MFTF). (UCRL – 52294) 350923
Streaming-plasma measurements in the Baseball II-T mirror experiment. (UCRL – 52279) 356104
Porter, H.S.
Relativistic yield spectra for H_2. 358743
Porter, L.E.
Energy and angular distributions of electrons ejected in the ionization of SF_6 and TeF_6 by fast protons. 366377
Heavy-ion stopping powers and the low-velocity-projectile z^3 effect. 359360
Mean excitation energies of Si, Ni, Ge, Y, Ag and Au based on alpha particle stopping power measurements. 372655
Porter, R.N.
Ab initio prediction of the vibration spectra of the deuterated species of H_3^+. 353211
Classical trajectory methods in molecular collisions. 361386
Porter, S.W. Jr.
Guidance for the design of nuclear power reactor radiological environmental monitoring programs. 376227
Porter, W.H.L.
RAPVOID – a computer code for deriving the release of a two-phase single-component mixture through a complex array of pipes and the resulting depressurisation of the discharge vessel. (AEEW-M – 1512) 376314
Porth, P.
Inclusive production of charged pions in K^-p interactions at 32 GeV/c. 353960
Total cross sections for charged-current neutrino and antineutrino interactions in BEBC in the energy range 20-200 GeV. 353945
Portier, M.
Information exchange on legal, contracting, and technical industrial relationships. 352588
Portilho, O.
General coefficients for Talmi expansions of matrix elements. 353031
Some calculations for ^{12}C in the α-particle model. 366921
A variational calculation of ^{12}C in the α-particle model. 350472
Portmann, A.
Damage of graphite surfaces resulting from ion bombardment, studied by means of electron microscopy. Raman- and x-ray photoelectron spectroscopy. 370233
Surface morphology changes of graphite irradiated with energetic helium ions. 365247
Portnoj, K.I.
Nickel hardened with zirconium dioxide and yttrium oxide. 349518
Portnoj, V.K.
Superplasticity of metals and alloys with ultrafine structure. 378702
Portnov, V.S.
Determination of limesonte quality by x-ray radiometric method using "BRA-6" apparatus. 349156
Porto, F.
Experimental angular distributions of the $^{24}Mg(^3He, \alpha)^{23}Mg$ at 10 MeV compared with DWBA and CCBA calculations. 354250
Portretnyj, V.P.
On determination of microimpurities during their partial coprecipitation with collector. 351451
Poruchikov, V.A.
^{245}Cm neutron resonance parameters in the 1-30 eV neutron energy range. 377968
Porumbescu, S.
On the excitation and ionization mechanisms in a hollow-cathode discharge in krypton and xenon gases, in the presence or absence of an applied magnetic field. 356118
Poryakov, A.M.
Thermodynamic properties of molten Th-Sn alloys. 373213
Posada, E.
Evidence of the unidimensional mixed state in type I superconductors. 377696
Posadskij, V.N.
Attenuation of ultrasound in doped crystals of alumo-yttrium garnet and alumo-magnesium spinel. 355932
Posey, L.D.
Flash x-radiography for material motion detection. (SAND – 77-1648C) 379745
Posiewnik, A.
On the asymptotic behavior of dynamical maps for a finite quantum system. 353136
Poskanzer, A.M.
Central collisions of relativistic heavy ions. 359486
Multiplicity and charged particle emission in relativistic heavy ion collisions. (LBL – 6537) 362066
Observation of the new nuclides ^{27}Ne, ^{31}Mg, ^{32}Mg, ^{34}Al, and ^{39}P. (ORO – 3924-29) 364753
Relativistic heavy ion reactions. (LBL – 6586) 369446
Posner, M.
Energy strategies. 352907

Posokhova, E.D.
Effect of molding method and some additives on the zircon sintering. 375932
Effect of surfactants on wet zircon vibrogrinding. 375931
Pospelov, M.E.
Effects of photoprotection and reversible inactivation of the yeast Candida guilliermondii, induced by 313 nm light. 349695
Repair of 313-nm induced lesions and photoprotection in yeast Candida guilliermondii. 357565
Pospieszczyk, A.
Re-cycling experiments in the DITE tokamak. 374841
Pospishil, S
Study on gamma rays from the ^{173}Ybsub (n,γ) ^{174}Yb reaction with resonance neutrons. (INIS-mf – 3897) 354131
Pospishil, S.
Analysis of secondary gamma quanta resulting from resonance neutron capture by ^{155}Gd and ^{157}Gd nuclei. (INIS-mf – 3897) 356679
Pospisil, J.
Changes of the antiheparin activity of the blood plasma and lymph in dogs after total irradiation. 365388
Isotope effect in hydogen atom abstraction from substituted phenols by polyvinyl acetate radicals in vinyl acetate. 351567
Pospisil, L.
Polarographic and voltammetric measurements of disproportionation of uranium (V) in sulphate and other complexing media on mercury electrodes. 357008
Pospisil, M.
The effect of preparation conditions and the ionizing radiation on the kinetics of cupric oxide reduction by hydrogen. 349360
Possa, G.
Acoustic emission measurements during the first pressure vessel hydrotest at ENEL – Caorso BWR. 365858
Pressure bursts due to power channel explosion in a pressure tube reactor. 376551
Possnert, G.
The g-factors of the first 2$^+$ states in ^{50} ^{54}Cr, ^{54}Fe and ^{70}Ge. 362059
Possoz, A.
Average polarization of ^{12}B in ^{12}C(μ,γ)^{12}B(g.s.) reaction: helicity of the π-decay muon and nature of the weak coupling. 356519
Post, B.
N-beam Bragg-Lave dynamical multiple diffraction of x-rays. 350722
Post, D.E.
Calculations of impurity radiation and its effects on tokamak experiments. 348928
Critical impurity concentrations for ignition of catalyzed-deuterium fusion plasmas. (PPPL – 1368) 361565
Steady state radiative cooling rates for low-density high-temperature plasmas. (PPPL – 1352) 359001
Post, R.F.
Magnetic mirror research points towards compact fusion power system. 356150
Particle distributions and early phases of ionization in proposed convergent neutral-beam experiments. 358980
Reversed field Vlasov equilibria and orbits in 2D axisymmetric 2XIIB configurations. (UCRL – 79844) 371718
Post, R.G.
Waste management '75. 362647, 362890, 363431, 363636, 363640, 363641, 363644, 363655, 363679, 366108
Post, R.S.
Observation of classical diffusion in the presence of large amplitude density fluctuations. 366603
Plasma/wall interaction and radiation damage. Progress report. (TID – 27743) 361574
Posta, S.
Tantalum determination in standard steels by instrumental neutron activation analysis and absorption spectrophotometry. (INIS-mf – 4143) 372916
Posthumus, W.L.
An in-beam Ge(Li)-NaI(Tl) Compton suppression spectrometer. 355502
Postma, F.W. Jr.
Calculator program for the comparison of particle size distribution measurements between transmission electron microscopy and the liquid centrifuge technique. (K – 1899) 365651
Postma, H.
Nuclear cryophysics. 369257
Nuclear spectroscopy with oriented nuclear spins. (INIS-mf – 4267) 378045
Spin assignments in low-energy neutron-capture reactions using polarized neutrons and oriented target nuclei. 377979
Postnikov, A.M.
Superconductivity of the Nb_3Al compound. 370045
Postnikov, L.N.
Comparative study of the absorbed dose rate of mixed gamma and neutron radiations in the WWR-M reactor experimental channel for biological studies. 379381
Postnikov, V.S.
Bordoni relaxation and magnetic transformation in cerium and cerium-lanthanum alloys. 367268
Preparation of refractory monocrystal films by condensation in vacuum. 359877
Postnikov, V.V.
Sensitivity variation of self-powered neutron detectors with silver emitters during long-term operation in nuclear reactors. 376753
Postnikov, Yu.Ya.
Properties of cast steels of low hardening capacity. 349529
Postoenko, Yu.K.
Automation facility a time-of-flight mass spectrometer for the study on dynamics of fast chemical reactions. 363618
Postogvard, G.I.
Structure of scale on molybdenum disilicide. 351662
Postolov, V.S.
Luminescent properties of yttrium silicates activated by cerium at various forms of excitation. (INIS-mf – 3955) 377264
Poston, J.W.
Absorbed dose to mammary glands. (ORNL – 5171) 367541
Development of a mathematical phantom representing a ten-year-old for use in internal dosimetry calculations. (ORNL – 5171) 367561
Dose-conversion factors for some fission products. (ORNL – 5171) 367594
The dosimetry of ^{241}Pu reconsidered. 355044
Estimates of photon dose to the gonads per microcurie-day as a function of the source organ and the age of the individual. (ORNL – 5171) 367601
Estimation of dose commitment from an accidental intake of ^{244}Cm. (ORNL – 5171) 367555
Evaluation of the distribution of absorbed dose in pediatric phantoms exposed to diagnostic medical x rays. (ORNL – 5171) 367520
Health physics aspects of fusion power. (ORNL – 5171) 367565
Health physics. (IEA-TI – 38) 365628
In-phantom spectrometry of medical x rays. (ORNL – 5171) 367537
Isotropic and cloud source irradiation by monoenergetic neutrons and photons. 370650
Pediatric phantoms. (ORNL – 5171) 367597
Theoretical evaluation of optimum detector size and positioning for low-energy in vivo gamma spectrometry. 371131
Poston, T.M.
Suppression of the primary immune response in rainbow trout, Salmo gairdneri, sublethally exposed to tritiated water during embryogenesis. 360276
Posyado, V.P.
Magnetic phase transformations and the magnetocaloric effect in single crystals of Tb-Y alloys. 374754
Magnon component of the electric resistance in terbium-yttrium alloy single crystals. 368737
Some specific features of magnetic and electric properties arising on variation of the Fermi surface topology in terbium-yttrium alloys. 374671
Posylin, I.M.
Device for spectrometry of powerful pulse X-radiation fluxes. (Soviet patent document 441491/A/) 354657
Potak, Ya.M.
Uniform elongation of stainless steels. 370022
Potapenko, P.T.
Calculation techniques for reactor space kinetics. 376410
Experimental investigation of digital algorithms for direct control of neutron flux on the IRT-2000 reactor. 376461
The philosophy of the power distribution computer-controlled system for channel type reactors. 379582
Power zone control of a nuclear power reactor. 350172
Reactor neutron field digital control experience. 360852
Potapov, A.I.
On evaluation of the steel hot plasticity by extension of samples with notches. 358029
Potapov, A.V.
Techniques for measurement of pulse time positions of radiation detectors. 379156
Potapov, I.N.
Short-time creep of the 38KhN3MFA steel and VT14 the alloy at high temperatures. 370023
The ways of increasing the socket accuracy in the course of broaching on a three-roll mill. 375785
Potapov, L.I.
A study of twice-albedo electrons in the atmosphere. 357532
Potapov, L.P.
Direct observation of packing defects in bcc crystals. 356044
Grain boundary migration in tungsten initiated by high hydrostatic pressure. 375879
Potapov, S.L.
Proliferative activity of the Shvetz tumour following a single and repeated irradiation. 360272
Potapov, V.K.
Mass-spectrometer with selective stepped photoionization of molecules by laser radiation. 376673
Use of a photoionization mass spectrometer for detection of threshold photoelectron spectra. 371165
Potapov, V.P.
Effect of pressure on the effective magnetic fields at nuclei of impurity tin atoms in nickel and iron. 368858
Potapov, V.S.
On the Aaron-Amado-Lee paradox in the three-particle scattering problem. (INIS-mf – 3915) 348727
Potapova, S.A.
Extraction of indicator quantities of zirconium by di-n-cresylphosphoric acid. 378464
Potapova, S.M.
On the periods of enhanced mutability in barley ontogenesis. 365477
Potapova, V.A.
Evaluation of reservoir properties and oil and gas content in carbonate deposits from exploitation-geophysical data. 365288
Potapova, Z.M.
Pulse radiolysis of aqueous solutions of sodium o-iodo-hippurate. 369791

Potashnikova, I.K.
Three-reggeon phenomenology in the p+p → p+X reaction. 356435
Potatsenko, O.G.
Diffusion coefficients of cadmium ions and anode behaviour of cadmium and cadmium-zinc alloys in halogenide melts of alkali metals. (INIS-mf - 4189) 375603
Potbhare, V.
Correlation coefficients of effective interactions in the s-d shell. 356650
Poteikin, V.V.
Vacuum conditions at Tokamak-10. 368948
Potemkin, A.V.
Investigation of electron-hole processes in $YAlO_3$. (INIS-mf - 3955) 362523
Potemkin, E.L.
Doses of high energy 1GeV - 5TeV particles in tissue-equivalent phantoms. (IFVE-ORZ - 74-58) 349918
Potempa, A.
A method for obtaining separated short-lived isotopes of rare earth elements. 354228
Potemra, T.A.
Low-energy particle observations in the quiet dayside cusp from AE-C and AE-D. 367436
Potenza, R.
Angular correlation in the $^7Li+^3He \rightarrow 2\alpha+d$ reaction at $E_3He = 4.7$ MeV. 356733
Competition between ^5Li and ^8Be formation in the $^6Li(^3He, \alpha\alpha p)$ reaction at Esub(^{3}He) = 2.5 MeV. 364736
Potetyunko, G.N.
To determining energy losses of charged particles in a matter. 349100
Poth, H.
Evidence for bound states in the anti pp-system. 377811
Evidence for narrow bound states related to the panti p system. 377817
High-spin states and neutron multiplicities after pion capture in ^{181}Ta and ^{209}Bi. (INIS-mf - 4267) 377966
Investigation of X-rays from light antiprotonic atoms. (KFK - 2459) 353333
Measurements on light antiprotonic atoms. 376976
Pion absorption by ^3He. 377963
Study on antiprotonic atoms of light nuclei and isotopes. 371523
Poth, I.
Negative ions produced from clusters for plasma heating. (INIS-mf - 3963) 371742
Pothier, E.
201-GeV/c proton-proton elastic scattering at large momentum transfer. 366888
Pothier, N.E.
Valve maintainability in CANDU-PHW nuclear generating stations. (AECL - 5913) 360952
Potier, J.P.
Pulse to pulse modulation of the CERN PS complex. 363321
Potikha, V.I.
Measurement of plasma-focus x-radiation spectra with resolution in time. 374851
Potocki, J.
Preparation of iodine-131 labelled bromosuphthalein. 378482
Potopakhin, A.S.
The effects of borehole diameter variations and test rig position in a borehole on the neutron-activation logging (NAL-N^{16}) results. 378872
Potsaid, M.S.
Improved method for quantitative bone scanning. 373668
Improvement in visualization of hepatic lesions with upright views. 373672
Pharmacokinetics of /sup 99m/Tc diphosphonate. 352088
Quality of bone scans compared with time between dose and scan. 357649
Pott, G.
Joint programme of uni-axial creep measurements of HTR compacts and matrix material under tensile load at 900°C. 360077
Recalibration of high temperature thermocouples exposed to neutron flux. (EUR - 5648) 361095
Potten, C.S.
Extreme sensitivity of some intestinal crypt cells to X and γ irradiation. 352001
Potter, A.E.
Infrared spectra of the WN stars HD 50896 and HD 151932. 372123
Potter, D.
The formation of high density pinches. (INIS-mf - 3963) 371989
201-GeV/c proton-proton elastic scattering at large momentum transfer. 366888
Potter, D.C.
Bulk sample assay equipment specification. 358441
Potter, D.I.
Application of dual-ion irradiations to fusion materials problems. 358987
Precipitate coarsening, redistribution and renucleation during irradiation of Ni-6.35 wt.% Al. 373378
Radiation-induced precipitate redistribution in thin foils. 370206
Void swelling and segregation in dilute nickel alloys. (CONF-770641 - 1) 351905
Potter, G.
The pattern of the whole body distribution of radioactive copper (^{67}Cu, ^{64}Cu) in Wilson's disease and various control groups. 379124
Potter, G.A.
Composition of eta carbide in Hastelloy N after aging 10,000 hr at 815°C. (ORNL - 5340) 373226
Potter, J.E.
Population of the vibrational levels of the ground state of nitrogen by low energy electron scattering. 358808
Potter, P.E.
High temperature chemistry of inorganic and ceramic materials, Keele University, September 1976. The proceedings of a conference organized jointly by the Inorganic Chemicals Group of the Industrial Division of the Chemical Society and the Basic Science Section of the British Ceramic Society. 375731, 375918, 375924
Potter, W.H.
High proton polarization achieved with a (Yb, Y) $(C_2H_5SO_4)_3 \times 9H_2O$ spin refrigerator in a nonuniform magnetic field. 366011
Potts, C.W.
Effects of depolarizing resonances on a circulating beam of polarized protons during acceleration or storage in a synchrotron. 363187
Potts, J.T. Jr.
Radioimmunoassay for proparathyroid hormone. 357640
Potykevich, I.V.
Photoconductivity of CdP_2 single crystals excited by ruby and neodymium lasers. 365006
Potylitsin, A.P.
Determination of circular scintillation detector efficiency. 376644
Polarization characteristics of the coherent bremsstrahlung at a nonaxial collimation. 374570
Potyomkin, E.L.
Semiempirical approach to the inelastic energy loss of ions. (INIS-mf - 3996) 364629
Potzel, W.
Pressure dependence of the electric field gradient at ^{181}Ta in Group IIIB metals: Sc, Y, Lu. 375822
Potzinger, P.
Rate constants for the reaction of hydrogen and deuterium atoms wtih silane. 351529
To the reaction of silyl radicals. The ratio of disproportionation/recombination. 359683
Pouchard, M.
Relationship between structure and some physical properties of a new high-pressure series of perovskite-like oxides. 375925
Poukey, J.W.
Power flow studies of magnetically insulated lines. (SAND - 77-1365C) 367976
Propagation of pinched electron beams for pellet fusion. 350907
REB propagation and combination in plasma channels. (SAND - 77-1548C) 368974
Poul, F.
Supply of Prague with heat from a nuclear heat source. (INIS-mf - 4055) 368431
Poulain, A.
Assessment of the safety situation at the hot laboratories of the Commissariat a l'Energie Atomique (CEA). 360454
Poulard, G.
Channel cross sections of K^-p reactions from 1.934 to 2.516GeV/c. (LPC - 77-01) 369354
Poulet, M.
An air light guide, plastic scintillation counter. 379935
A measurement of the polarization parameter in large angle proton-proton elastic scattering at 7.9 GeV/c. 356484
Poulheim, K.F.
Application of phantoms of the human body for solving radiation protection problems. (SAAS - 218) 349922
Examining the constants of the new ICRP lung model by whole-body counting of ^{60}Co and ^{54}Mn lung deposits. 355045
The use of whole-body counters in radiation protection. 1. 376651
Poulsen, P.
High energy negative deuterium beams using double charge-exchange or surface production. (UCRL - 80406) 377434
MPD streaming plasma source for MFTF. (UCID - 17537) 359002
Negative beam generation, transport, and acceleration. (UCRL - 79728) 371990
Sixty keV D^- beams using double charge-exchange system. (UCRL - 80102) 374064
Pounds, K.A.
Evidence for a 17d periodicity from Cyg X-3. (CONF-7510169 -) 364340
Poupard, Joseph
Extracted-beam-detection system around synchrotron saturne. (CEA-R - 4857) 355166
Pourcho, R.G.
Distribution of [^{35}S] taurine in mouse retina after intravitreal and intravascular injection. 357621
Pouthas, J.
Intrinsic time resolution of detectors in a time-of-flight spectrometer. 355578
Poutisson, J.M.
Measurement of the π→eupsilon branching ratio. (INIS-mf - 4267) 377792
Poutissou, J.
New limit on the decay $\mu^+ \rightarrow e^+\gamma$. 372516
Poutissou, R.
New limit on the decay $\mu^+ \rightarrow e^+\gamma$. 372516
Pouzo, J.
On the upper pressure limit for the efficient operation of a plasma focus device. 353555
Pouzo, J.O.
Evidence of non-thermal processes in a 1-MJ plasma focus device

by analysing the neutron spectra. 374845
Povalikhin, N.S.
Design and testing of a unified range of packaging assemblies for transporting gamma radiation sources. 350036
Povarova, K.B.
Properties of tungsten-rhenium solid solutions. 349528
Povarova, N.V.
Magnetic and spectroscopic properties of vanadyl oxalates and their complexes with hydrazine. 351547
Povel, H.P.
A new upper limit for the decay $\mu^+ \rightarrow e^+\gamma$. 369383
Study on antiprotonic atoms of light nuclei and isotopes. 371523
Povelites, J.G.
Fifth annual conference of the International Nuclear Target Development Society. (LA – 6850-C) 370666, 370667, 370669, 370741, 370742, 370758, 370759, 370760, 370761, 370763, 370765, 370766, 370773, 370774, 371138, 372959
Poverennyj, A.M.
Action of some biologically active preparations on the cell population of stem haemopoietic fraction and on the survival of irradiated mice. 367512
Radiomimetic action of glyceraldehyde and dihydroxyacetone. 362628
Poves, A.
Configuration mixing and the Coulomb energy anomaly. 372656
Influence of 2p-2h excitations in the ^{41}Sc-^{41}Ca Coulomb energy shift. 375111
Povetkin, V.V.
Electron microscopy study of the structure of electrodeposited iron-nickel alloys. 349519
Povh, B.
Labelling of neutrons in the nucleus by a lambda particle. (LYCEN – 7702(pt.1)) 359516
Povinec, P.
Comparison of high-sensitivity gamma spectrometric methods used in activation analysis. (INIS-mf – 4143) 374305
Utilization of cosmogenic radionuclides in meteorites for the study of history of cosmic rays. 377660
Povkhan, I.I.
Experimental facility with intersecting beams for the study on pair collisions of atoms at the energy range of 0,5-10 eV. (INIS-mf – 3915) 350381
Povolo, F.
The determination of creep constants from stress-relaxation measurements in bending and torsion. 362440
Povolotskaya, L.V.
Disproportionation of indium monoiodide in aqueous solutions. 375442
Povolotskaya, O.S.
Radical products of radiolysis of frozen aqueous of phosphorous acid. 378540
Povolotskij, O.B.
Nuclear power plant. (Soviet patent document 431559/A/) 350256
Povolotskij, V.D.
Martensite transformation in iron-nickel alloys during deformation. 370024
On temperature dependence of the yield strength of austenitic alloys under going martensite transformation during deformation. 370050
Povolotsky, D.I.
Investigation of rare earths extraction by branched monocarboxylic acids. 351530
Povyshev, I.A.
Reaction of heat resisting steel of the Kh13Yu type with water vapor. 369826
Povyshev, V.M.
Temperature dependence of magnetic moment orientation in RCo_5 compounds. 355978
Powell, A.L.T.
The carbon and nitrogen abundance of gamma Pavonis. 356185
Powell, A.W.
The in-situ testing of high efficiency particulate filters in the CEGB south eastern region nuclear power stations. 360517
Powell, B.A.
High density discharges with gettered torus walls in Dite. (INIS-mf – 3963) 372042
Powell, B.M.
UV damage in solids of the nucleic acid bases. 352002
Powell, C.
Migma IV high energy fusion apparatus. 363220
Powell, G.L.
Preliminary examination of the helium permeability of pyrocarbon coatings. 365934
Powell, G.M.
The catabolism of intravenously injected heparan N-[^{35}S]sulphate in the rat. 352069
Powell, J.
Demountable low stress high field toroidal field magnet system for tokamak fusion reactors. (BNL – 23165) 371991
Proceedings of the workshop on structural analysis needs for magnetic fusion energy superconducting magnets: a technical assessment. (CONF-760984 –) 361614
Redundant coolant capability for fusion reactor blankets. 377579
Structural aspects of superconducting fusion magnets. (BNL – 22698) 350927
Powell, J.R.
Fusion blankets for catalyzed D – D and D – He^3 reactors. (BNL – 22955) 350839
Fusion blankets for catalyzed D-D and D-^{3}He reactors. (EPRI-ER – 536-SR) 371842
Generic PSAR for the TF coil system of tokamak fusion reactors. 377473
Linear accelerator fission product transmuter (LAFPT). 352886
Magnet system for catalyzed D-D and D-^{3}He reactors. (EPRI-ER – 536-SR) 372071
Magnet system for catalyzed D-D and D-He^3 reactors. (BNL – 23083) 364259
Reactor technology: power conversion systems and reactor operation and maintenance. (BNL – 22956) 350924, 371992
Thermal-hydraulic and neutronics analysis of an SAP-thermosyphon blanket. 350838
Powell, K.F.
Nuclear fuel element and method for its production. (German (F.R.) patent document 2614677/A/) 352490
Powell, K.J.
Total cross sections for charged-current neutrino and antineutrino interactions in BEBC in the energy range 20-200 GeV. 353945
Powell, R.
Definitions of terms for practical superconductors. 365708
Powell, R.C.
Laser time-resolved spectroscopy: investigations of energy transfer in Eu^{3+} and Er^{3+} doped YVO_4. 371697
Powell, R.E.
Use of a new type of plasma-ion analyzer to determine the hydrogen content of metals. 358932
Powell, R.M.
Research and development topics in gas cleaning for fuel reprocessing plant. 359849
Powell, R.W.
Simulation of high fluence swelling behavior in technological materials. (HEDL-SA – 1163) 378799
Theoretical prediction of microstructural development during irradiation. (HEDL-SA – 1157) 362544
Powell, T.J.
AERIN: a computational version of the ICRP lung model. (UCID – 17000) 362752
Hazards analysis of laser fusion targets containing tritium. 370659
Power, D.M.
The interaction of cytochrome c with phospholipids. 378982
Powers, D.
Stopping cross sections of oxygen for 0.3 – 2.0-MeV α particles in saturated alcohols and ethers. 364620
Powers, D.A.
Molten LWR core material interactions with water and with concrete. (SAND – 77-1216C) 352215
Studies on molten fuel-concrete interactions. (CONF-761001 – P4) 363539
Powers, D.W.
Salt anticlines in the Castile-Salado evaporite sequence, northern Delaware Basin, New Mexico. (SAND – 77-0431C) 357439
Powers, E.J.
Properties of electrostatic ion-cyclotron waves in a mirror machine. 366646
Powers, G.J.
Cocarcionogenesis of inhaled plutonium dioxide and beryllium oxide. (BNWL – 2100(Pt.1)) 360341
Deposition of inhaled aerosols in beagle dogs. (BNWL – 2100(Pt.1)) 360308
Powers, L.V.
Fast-ion generation by ion-acoustic turbulence in spherical laser plasmas. 350811
Powers, R.J.
An experimental study of the E0, E2 and E4 charge moments of ^{161}Dy using muonic atoms. 369505
Nuclear charge parameters and quadrupole moment in ^{105}Pd from muonic X-rays. 372827
Poyarkov, A.M.
Thermodynamic properties of liquid thorium alloys with lead. 378711
Poynting, R.
The sodium chloride aerosol test for high efficiency air filter installations. 360497
Pozdeeva, R.M.
Estimation of method for γ-initiated emulsion post-polymerization of styrene. 365073
Pozdneev, D.B.
Dose distribution by LET after phantom irradiation with fast neutrons. 365663
The dose function of narrow neutron beams in a tissue-equivalent medium. 360531
Pozdneyev, D.B.
Backscattering of gamma rays by barriers from various media. 361940
Pozdnikov, V.N.
Technique for relay detection of ionizing radiation. (Soviet patent document 461395/A/) 379936
Pozdnyakov, L.A.
Multiple Compton scattering on relativistic electrons. The Monte-Carlo calculation of radiation spectrum. 374949
Pozdnyakov, O.F.
Studying mechanism of mechanochemical decomposition of solid inorganic compounds. 378423
Pozdnyakov, V.V.
Effect of temperature on adhesion interaction of polycrystallic diamond and elboron contacting with metals. 365177
Poze, D.
High-voltage supply system for a streamer chamber on a pulsed transformer. 371102
Pozharova, E.A.
Determination of relative probabilities of the Ksub(μ2)sup(+),

Ksub(π2)sup(+), Ksub(μ3)sup(+) and Ksub(e3)sup(+) decays using a magnetic spectrometer with streamer chambers. (ITEF – 28) 361902
Pozharskaya, M.E.
Investigation of thorium hydroxopropionates. 365016
Pozhela, Yu.
Some specific features of the Gunn effect in n-type InSb. 348778
Pozhidaeva, N.A.
Charge asymmetry at large psub(T) in inelastic anti pp reactions at 22.4 GeV/c. 353943
Multiplicities and forward-backward correlations in anti pp interactions at 22.4 GeV/c. 366882
Pozniak, J.
Effects of γ-ray irradiation on the properties of Pb^{2+} doped potassium chloride crystals. 365234
Poznyak, G.I.
Studies on the efficiency of radioactive impurity trapping by the BOR-60 trap. (IWGFR – 7) 360985
Poznyak, L.A.
On the relation between the structure and wear resistance of tool steels. 375895
Poznyak, V.I.
Plasma heating in the TM-3 tokamak by electron cyclotron-resonance at magnetic fields up to 25 kOe. (IAE – 2564) 368912
Pozwolski, A.E.
Isotopic separation in supercritical steam. 354365
Pozzoli, R.
Modulational instability produced by Langmuir turbulence in a magnetic field. (INIS-mf – 3963) 371993
Quasi-linear processes in the slide-away regime of a toroidal plasma. (INIS-mf – 3963) 371710
Prabhakar, B.S.
Digital model helps review of nuclear power plant control system. 350182
Prabhakara Rao, M.V.
Transfer of genes for stem rust resistance from Agropyron elongatum and imperial rye to durum wheat. 373728
Prabhakaran, J.
Causality of propagation of the Bhabha-Gupta field coupled to external electromagnetic and gravitational fields. 353137
Prabhu Gaunkar, G.V.
Demonstration of carbon heterogeneities in an 18-8 austenitic steel by the technique of high-resolution autoradiography. 354550
Prachar, J.
Replication of DNA in UV-irradiated Escherichia coli in the absence of amino acids. 349708
Pracka, I.
Investigation of iron doped $LiNbO_3$ crystals by electron paramagnetic resonance. 378247
Prade, H.
High-spin states in the N = 82 nucleus $_{61}{}^{143}Pm_{82}$. (ZfK – 336) 364816
Pradel, J.
Choice and use of air cleaning systems in nuclear installations. 360518
Safety and protection aspects of the management of high-level radioactive wastes. 371202
Very long-term storage of fission products. 358535
Pradel, P.
Electron capture for collisions of fast H(2S) and H(1S) in rare gases and H_2. 353334
Electron loss for collisions of fast H(2S) and H(1S) in rare gases and H_2. 353344
Pradelles, P.
Radioimmunoassay for tubulin detection. 362799
Pradelles, Ph.
Endorplims in several regions of rat brain: large differences between radioimmunoassay and radioreceptor assay. 354946
Pradhan, A.S.
Graphite-mixed $CaSO_4$:Dy teflon TLD discs for beta dosimetry. 350328
Pradhan, A.V.
Air box shock absorber for a nuclear reactor. (US patent document 4,053,357/A/) 368155
Pradhan, D.S.
Changes in amino acid composition of proteins in gamma-irradiated Tetrahymena pyriformis cells. 367467
Effect of whole-body X-irradiation on rat liver protein synthesis at translational level. 367485
Prado, K.
Radiation-induced liver damage. 379027
Praeg, W.
Neutral beam system for an ignition tokamak. (CONF-771029 – 177) 377401
Praeg, W.F.
ANL experimental program for pulsed superconducting coils. (CONF-771029 – 184) 377564
Power supply for high voltage neutral beam injectors. (EPRI-ER – 376-SR) 361610
Protection of neutral-beam accelerator electrodes from spark discharges. (CONF-771029 – 183) 377514
Pulsed power supply for injection bump magnets. (CONF-770607 – 4) 363322
Time-delay transformer for overcurrent protection. (EPRI-ER – 376-SR) 361611
Prael, R.E.
Benchmark specifications and solutions: two fast reactor safety-related slowing-down problems. 360471
Praetorius, P.R.
Quality assurance programme for surveillance of fast reactor mixed oxide fuel analytical chemistry. 376594
Prager, A.
Mutagenic activity of photosensitizing drugs – a comparative study. (INIS-mf – 4052) 373605
Prager, S.C.
Influence of diffusion on the resistive tearing mode. 364189
Studies of doublet plasmas in Doublet IIA. 358942
Prahalad, Y.S.
Plasma waves in a stochastic magnetic field. 377488
Prahllada Rao, B.S.
Analysis of water by mass spectrometer. 368345
Prahm, L.P.
Long-range transmission of pollutants simulated by a two-dimensional pseudospectral dispersion model. 373856
Prakash, H.
Resonant scattering of intense beam of radiation by N-atoms contained in a small volume. 348635
Prakash, Jyoti
Debye-Waller factors of BCC transition metals. 371659
Prakash, L.
Properties of tungsten carbide hard metals with various binder alloys. (KFK-EXT – 6/77-1) 351842
Repair of pyrimidine dimers in radiation-sensitive mutants rad3, rad4, rad6 and rad9 of Saccharomyces cerevisiae. 352019
Prakash, Om
Potentiometric study of some new chelates of lanthanum and yttrium. 351516
Prakash, Prem
Distribution of radioiodine-131 in the tissues of buffalo (Bubalus bubalis). 352070
Prakash, S.
Dielectric matrix, dynamical matrix and phonon dispersion in hcp transition metal scandium. 366469
Kinetic energy distributions in the reactor neutron fission of ^{232}U and thermal neutron fission of ^{241}Pu and ^{245}Cm. 359518
Prakash, Satya
Setting up of a facility for the recovery and storage of californium-252 from a capsule. (BARC – 905) 373012
Prakash, Y.
Charged particle multiplicity in 400 GeV/c p-nucleus interactions in nuclear emulsion. 372498
Pralong, G.
Adsorption, diffusion and self-diffusion on tungsten surfaces with adsorbed palladium. 378718
Pramatarov, P.M.
Determination of the elementary processes constants by examination of electron energy distribution function in helium afterglow. 353290
Pranal, Y.
Study on gamma spectra of prefission in the ^{239} Pu (n,γf) reaction induced by resonance neutrons. (INIS-mf – 3896) 356905
Pranevicius, L.
Bubble propagation in ion implanted garnet films. 370207
Galvano-magneto-recombination effects in ion-bombarded surface layers of solids. 370181, 377270
Influence of ion implantation into the source of evaporation or growing structure on the properties of vacuum deposited thin films. 368868
Prange, H.
The GSI at Darmstadt. P. 2. 357941
The GSI at Darmstadt. Pt. 1. 355170
Prantl, G.
The concept for the protection of the RPV against nonductile failure as it is applied in Switzerland. (IAEA – 189) 360820
Reactor vessel surveillance present practice and future trends in Switzerland. (IAEA – 202) 376474
Selecting samples for irradiation programmes in LWRs. 354629
Prasad, A.N.
Experience with fabrication and testing of 70-tonne spent fuel shipping casks. 350030
Indian experience in fuel reprocessing. 367199
Prasad, B.
Effect of chelating agents on the kinetics of diffusion of zinc to a simulated root system and its uptake by wheat. 354677
Prasad, G.C.
Effect of ^{60}Co whole-body itradiation on thyroid of albino rats. 349739
Response of adrenal gland to whole body ^{60}Co irradiation. 349738
Prasad, K.N.
Assessment of the consequences of boiling in the radial blanket due to hypothetical major pipe leaks. 352278
Prasad, M.R.N.
Changes in incorporation of ^{3}H-uridine into RNA and ^{3}H-phenylalanine into protein in epididymis, ductus deferns and ventral deferns and ventral prostate of intact albino rat during postnatal development. 367642
Effects of a hiqhly purified antiserum to FSH on testicular function in immature rats. 367643
Metabolism in vitro ^{3}H-testosterone in testis, epididymis and sex accessories of the rhesus monkey. 373639
Metabolism of ^{3}H-testosterone in epididymis and accessory glands of reproduction in the castrate hamster Mesocricetus auratus. 367615
Reqional differences in the metabolism of testosterone in vitro in the epididymis and ductus deferens of the adult rhesus monkey Macaca mulatta. 367622
Prasad, Ph.
A note on the Korteweg-De Vries equation for the propagation of fast ion-acoustic waves in multi-dimensions. 353616

Prasad, R.
Gamma transitions in the decay of ^{75}Se. 362091
Moessbauer spectroscopic studies of the ternary alloys Fe-Zr-C and Fe-Ni-Zr. 366434
The vaporization thermodynamics of uranium tetrachloride. 369703
Prasad, T.
Heat transfer by magnetohydrodynamic laminar flow in circular pipe. 350766
Prasad, T.G.
Growth regulator induced mobilization of ^{14}C-metabolites into sunflower heads. 373729
Prasad, Y.S.R.
Rajasthan Atomic Power Project unit-2 commissioning. 379720
Prasanna, A.R.
Solutions of Einstein-Cartan equations. 355825
Prasilova, J.
Use of solvent extraction for separation and determination of organomercuric compounds. (INIS-mf – 3849) 378168
Praskova, L.
Chromosomal aberrations in human lymphocytes in vitro chronically irradiated with different doses of gamma-rays. 367455
Praslichka, M.
Changes in the deoxyribonucleoprotein content of the spleen and thymus of rats during continuous γ-irradiation. 362674
Prasolov, V.I.
Calculation of heat mass exchange in gas-phase precipitation of zirconium carbide on inner surface of a round tube. 351548
Pratap, M.
One-, two-, and three-particle distributions in pp collisions at 205 GeV/c. 372529
Search for charmed particles in 14.75 GeV/c pp interactions. 375069
Tests of factorization from single- and double-pion production in 100-GeV/c p-antip and pp collisions. 351230
Prather, W.
Clad relocation dynamics: the physics and accident evolution implications. (CONF-761001 – P4) 363027
Prati, M.C.
Vertex functions and form factors for conformal spin 1/2 systems. 363815
Pratt, D.W.
Optically-detected radiofrequency studies of level anticrossings in phosphorescent crystals. 356950
Pratt, J.C.
High Resolution Spectrometer (HRS) particle-identification system. (LA – 6810) 374077
Pratt, T.A.
Effect of posture on distribution of pulmonary ventilation and perfusion studied with sup(81m)Kr and sup(85m)Kr. 367611
Pratt, W.
Isotopic perturbation of resonance. Carbon-13 nuclear magnetic resonance spectrum of 2-deuterio-2bicyclo[2.1.1]hexyl cation. 378389
Pratt, W.P. Jr.
A continuous demagnetization refrigerator operating near 2 K and a study of magnetic refrigerants. 365709
Pratt, W.T.
Meltdown phase for an LMFBR loss of heat sink during shutdown. 352190
Pravdin, M.I.
Measurements of energy spectrum of primary cosmic rays in the energy range above 10^{17} eV. 361697
Pravdin, N.N.
Study of hydrolysis of chromate, molybdate and tungstate of sodium in aqueous solutions at 15-90 dég. 369669
Pravdina, G.M.
Mice mortality dependence on the parameters of the fractionated irradiation. 362677
Radiation injury to mice induced by fractionated irradiation. 376103
Pravdivyj, N.M.
Neutron scattering at the energy range 1.5-3.0 MeV by Ni^{64} nucleus. 369490
Scattering of neutrons on even Cr, Fe, Zn isotopes in the energy range from 1.5 to 3.0 MeV. (INIS-mf – 3897) 356809
Pravdo, S.
Cosmic x-ray observations with OSO-8. (CONF-7510169 –) 364404
OSO-8 GSFC results on Cen X-3. (CONF-7510169 –) 364411
Pravdo, S.H.
Absence of detectable X rays from supercluster candidate 4UO134-11. 356304
A1540-53, an eclipsing x-ray binary pulsator. (N – 77-24025) 361669
Evidence for a 17d periodicity from Cyg X-3. (CONF-7510169 –) 364340
Hercules X-1: spectral variability of an x-ray pulsar in a stellar binary system. (N – 77-14962) 361726
Observation program for the GSFC cosmic x-ray spectroscopy experiment. (CONF-7510169 –) 364279
OSO-8 observations of Hercules X-1. (CONF-7510169 –) 364394
X-ray spectra of Hercules X-1. 1. Iron line fluorescence from a subrelativistic shell. (N – 77-19962) 361727
X-ray spectra of Hercules X-1. 2. Intrinsic beam. (N – 77-19963) 361728
X-ray spectra of Hercules X-1. II. The pulse. 359150
Pravikov, A.A.
Thickness gage for measuring coating thickness. 349953
Precht, W.
Development of 'cemented alloy carbides' for hard rock boring. Final report 1 Oct 1974 – 31 Dec 1976. (PB – 266665) 360014
Predel, B.
Calorimetric investigation into liquid indium-cadmium alloys from the point of view of association equilibrium. 362441
Calorimetric investigation of liquid indium-cadmium alloys with emphasis on the equilibrium of associates. 351798
Predel, H.
Radiochemical investigations of hydrocarbons and sulphur compounds. Pt. 6. 375676
Predmerszky, T.
Lifetime dose of persons working in radiogynaecological departments. 370642
Preedom, B.M.
Comparison of the π^+ and π^- elastic scattering from ^{12}C over the πN(3,3) resonance region. 362089
Inelastic scattering of π^+ Mesons from nuclei at 50 MeV. 369493
Preez, J.G.H. du
The chemistry of uranium, pt. 21: a thermogravimetric study of the decomposition of $(NEt_4)_2UCl_6$ and $(NEt_4)_2UBr_6$. 378483
Pregernig, L.
Inclusive anti K^{*0} (890) production in π^-p interactions at 16 GeV/c. 356507
Prehn, E.
In-situ measurements of root distributions of cultivated plants by means of ^{86}Rb. 352140
Prein, K.D.
Optimization of the winding volume of superconducting cylindrical coils. 360641
Preininger, D.
Creep behaviour of SNR cladding tube material under the temperature transients relevant to cooling disturbances. 370025
Reactor materials investigations and development. (KFK – 1277/2) 371052
Preis, H.
Program description and users manual for the HEDO 2 magnetic field computer program. (IPP – III/34) 350900
Preiss, D.
Renormalization of nonperturbative functional integral for independent value models. 353103
Preiss, I.L.
Radioisotope sources for X-ray fluorescence analysis. 367873
Preissner, H.
Charged particle multiplicity distributions in pp collisions at ISR energies. 356525
Observation of charged particle corrections between the forward and backward hemispheres in pp collisions at ISR energies. 377831
Observation of charged particle correlations between the forward and backward hemispheres in pp collisions at ISR energies. 375072
Prejs, G.A.
The effect of laser treatment on the wear resistance of steel in corrosive media. 349370
Prejza, J.
Integration of isotope production in CMEA countries. 379371
Prekul, A.F.
Possible Tsub(c)-X diagrams of superconductivity in binary systems. 377694
Prelas, M.A.
Direct nuclear pumped laser approaching feedback laser fusion needs. (COO – 2007-87) 361612
Prelec, K.
The magnetron discharge as a source of H-ions. 356553
Negative hydrogen ion sources for neutral beam injectors. (BNL – 23389) 377515
Premaswarup, D.
^{79}Br NQR zeeman effect in 1-bromo-2, 4-dinitrobenzene. 371668
Premlin, J.H.
An investigation of nuclear resonance scattering for in vivo analysis of liver copper. 356981
Premuda, F.
Functional investigation and kernel expansion technique for the system of integral equations governing the stationary anisotropic transport of monoenergetic neutrons in threedimensional media. (CNEN-RT/FI – 77-8) 361907
Prentice, R.
Electron and ion heating by neutral injection in DITE tokamak. (INIS-mf – 3963) 353553
High density discharges with gettered torus walls in Dite. (INIS-mf – 3963) 372042
High-density discharges with gettered torus walls in DITE. 348912
Preobrazhenskaya, L.D.
Half-life of sup(242)Pu. 377983
Preobrazhenskij, H.G.
Diagnostic schemes for axially symmetric plasma under random transversal oscillations. 374852
Preparata, G.
Physics with very high energy e^+e^- colliding beams. (CERN – 76-18) 375013
Prepechal, J.
Evaluation of surveillance specimens and in-service inspection of tubes of A-1 reactor heavy water calandria. (IAEA – 202) 376471
Prepejchal, W.
Temperature exposure measured by the use of thermoluminescence. 366054
Prescher, K.
Effects due to Coulomb interaction in the sequential decay reaction ^{2}H(α, pα)n. 351271
Quasi-free contributions in the ^{6}Li(d,tp)^{4}He-reaction at Esub(d) = 0.465 MeV. 356867

Prescott, J.F.
A procedure for preparing alkali metal hydrides. 359645
Presman, Yu.M.
Titanium alloy surface alloying for wear resistance improvement. 378675
Presman, Yu.N.
Titanium and titanium alloys boronizing. (INIS-mf – 4046) 369871
Presnajder, P.
Convergent expansions of pion-pion and pion-nucleon scattering amplitudes in two complex variables. 377764
Expansion of scattering amplitudes as functions of two complex variables. 356456
A general method for testing the analyticity of scattering amplitudes. 366855
Presnyak, O.S.
Measurement of (n, p) reaction excitation functions for lead isotopes and bismuth at neutron energy range 13.4 – 14.8 MeV. (INIS-mf – 3897) 356703
Presnyakov, A.P.
Performance testing of primary coolant purification plant. 368154
Presnyakova, O.E.
Spectrophotometric determination of uranium in seawater and synthetic sorbents of different type. 356947
Presperin, V.
Negative pion capture by medium nuclei in the Z approximately 50 region. 354166
Negative pion capture in chemical compounds. (JINR-E – 15-9658) 349132
Press, M.
Nondestructive high temperature gas radiochromatography. 372861
Press, W.H.
Flicker noises in astronomy and elsewhere. 369188
Presser, G.
Inner-shell ionization in symmetric ion-atom collisions at MeV energies. 353335
K-shell vacancy creation in collisions of F ions and target atoms from Z = 5 to 57. 353364
Preston, R.C.
Spectral-line-blending calculations applied to highly excited atomic levels in high-density argon plasmas. 348956
Preston, R.K.
The effect of initial vibrational energy on chemi-ionization of H_2 by He(2^3S) and He(2^1S). 353218
Quantum versus classical dynamics in the treatment of multiple photon excitation of the anharmonic oscillator. 350691
Preston, S.D.
Physical properties of europium sesquioxide. 370110
Prestwich, K.R.
Design and development of a 350 kV, 100 pps electron beam accelerator. (SAND – 77-1282C) 374082
Prestwich, W.V.
Fractional charge collection technique for pile-up reduction-counting low intensity radiation in presence of intense gamma-ray and neutron background. 355595
Pretschner, D.P.
Digital image processing for the quantification of scintigraphic investigations of the heart. (INIS-mf – 4010) 363574
Fortran, obligatory for nuclear medicine physicians. (INIS-mf – 4010) 371306
Pretschner, P.
Sequential hepato-spleno-scintigraphy in chronic liver diseases. (INIS-mf – 4010) 367708
Pretzschner, G.
Radiolytic formation of hydrogen and methane from bitumen B 45 and bitumen-salts mixtures. (SAAS – 220) 365074
Preuss, H.J.
Technical problems in connection with the decommissioning of nuclear facilities. 352589
Preuss, L.E.
Use of ^{153}Gd in tissue analysis. 356973
Preuss, W.
The design of operating procedures manuals for nuclear power plants. 355360
Prevender, T.S.
Neutron production from advanced RDB fusion targets. (SAND – 77-2017C) 364177
Tokamak first-wall coating program development. (SAND – 77-1027) 377384
Prewo, K.M.
Fracture toughness of boron aluminum composites. 357334
Pribylova, G.A.
Synergistic effect in extraction of trivalent americium by 1-phenyl-3-methyl-4-benzoyl-pyrazolone-5 and tbp mixtures. 362230
Price, A.H.
Observations of Crassostrea virginica cultured in the heated effluent and discharged radionuclides of a nuclear power reactor. (PB – 271841) 379138
Price, C.C.
Asymmetry effects in fluid flow measurements using pulsed-neutron activation. 378160
Price, H.G.
Gamma ray spectroscopy in ^{64}Zn – levels below 3.1 MeV in excitation. 369509
High spin states in some Zn isotopes. 356796
Lifetimes in ^{61}Ni measured by the recoil distance technique. 351425
Nuclear spectroscopy in ^{63}Zn: states below 1.5 MeV. 369496
Price, K.M.
Radio and x-ray variability of the nucleus of Centaurus A (NGC 5128). (N – 77-26060) 369025
Price, K.R.
Evaluation of scintillation probe profiles from 200 area crib monitoring wells. Volume I. (ARH-ST – 156(Vol.1)) 366090, 366092
Evlaluation of scintillation probe profiles from 200 area crib monitoring wells. Volume II. (ARH-ST – 156(Vol.2)) 366091
Price, L.W.
Advances in liquid scintillation instrumentation. 374353
Price, M.
Measurement of muon-neutrino and -antineutrino scattering of electrons. 353961
Price, M.S.T.
Coated nuclear fuel particles: the coating process and its model. 365933
High-conversion HTRs and their fuel cycle. 379677
Quality assurance for HTR fuels. 376536
Quality control techniques for procarbon. 365192
Price, P.B.
Channelling of MeV H and the ions in alkali halides at 'zero dose' measurements. 371663
Universal fragment-momentum distribution in high-energy nucleus-nucleus collisions. 351408
Price, P.F.
Electron-density studies. I. 371664
Price, R.H.
Accretion onto pregalactic black holes. 359103
Use of x-ray imaging on laser fusion experiments. (UCRL – 79817) 366506
Price, R.J.
Properties of silicon carbide for nuclear fuel particle coatings. 365942
Price, R.R.
Techniques for measuring regional and total-body bone mineral mass to bone function ratios. 354955
Price, T.
Reprocessing brings billion dollar savings. 357492
Price, V.
Field manual for stream water and sediment reconnaissance. (DPST – 77-363) 378838
Savannah River Laboratory hydrogeochemical and stream sediment reconnaissance. Raw data release V; studies in the Spruce Pine, Moore, and Johnston, North Carolina, areas. National Uranium Resource Evaluation Program. (DPST – 77-141-1) 378839
Price, W.G. Jr.
Cost of tritium bred in a critical fission reactor. 377516
Multigroup calculations of low energy neutral transport in tokamak plasmas. (PPPL – 1384) 371865
Multigroup calculations of low-energy neutral transport in tokamak plasmas. 371866
Neutronic calculation and cross section sensitivity analysis of the Livermore mirror fusion/fission hybrid reactor blanket. (PPPL – 1370) 361573
Price, W.H.
Generalized geology of the 241-SY Tank Farm. (ARH-LD – 139) 380066
Geology of the 241-C Tank Farm. (ARH-LD – 132) 380059
Geology of the 241-S Tank Farm. (ARH-LD – 133) 380060
Geology of the 241-SX Tank Farm. (ARH-LD – 134) 380061
Geology of the 241-T Tank Farm. (ARH-LD – 135) 380062
Geology of the 241-TX Tank Farm. (ARH-LD – 136) 380063
Geology of the 241-TY Tank Farm. (ARH-LD – 137) 380064
Geology of the 241-U Tank Farm. (ARH-LD – 138) 380065
Prichard, H.M.
Measurements of ^{222}Rn in water and indoor airborne ^{222}Rn originating in water. (HASL – 325) 378892
Rapid measurements of ^{222}Rn concentrations in water with a commercial liquid scintillation counter. 369568
Pridantsev, A.I.
Hydraulic resistance and heat transfer in systems for superconducting magnets cooling. (INIS-mf – 3954) 361523
Hydraulic resistences in helium forced two-phase flow in channels. 379427
Priddle, E.K.
The effects of helium, sodium and other environments on the fatigue crack propagation characteristics of a stainless steel. 354551
Prideaux, D.L.
What about improving the productivity of electric power plants. 363694
Prieels, R.
Search for second-class current: the measurement of the β-γ directional correlation in the decay of ^{20}Na. 354253
Priem, H.N.A.
Laboratory for Isotope Geology. (INIS-mf – 4009) 365292
Sr isotopic homogenization through whole-rock systems under low-greenschist facies metamorphism in carboniferous pyroclastics at Aljustrel (Southern Portugal). 373417
Priemysheva, L.E.
Electrochemical decomposition of zirconium carbides in solutions of sulfuric acid. 378292
Pries, H.H.
Early recognition of potential hyperthyroidism in endemic areas. (INIS-mf – 4010) 370475
Estimation of risk for hyperthyroidism by determination of the mass of autonomous thyroid tissue. (INIS-mf – 4010) 370476
Priest, E.R.
Emerging flux model for the solar flare phenomenon. 351025
Priest, N.D.
Plutonium in bone: high resolution autoradiographic study using plutonium-241. 352071

Priewasser, G.
Method for the preparation of semiconductor monocrystals with adjustable doping material concentration. (German (F.R.) patent document 2542867/A/) 367313
Prigent, R.
Physical and electronic characteristics of the new generation of criticality probes. Testing under real accident conditions. 361029
Preliminary results on the use of a high output automatic reader for personal radiothermoluminescent dosimeters. 355577
Prigge, S.
Recoil spectroscopy of oxygen on W(100). 370026
Prigodin, B.A.
Comparison of experimental and calculated by the Born approximation excitation cross sections of Li^+, Be^{+2}; B^{+3} and C^4 ions in collisions with He and Ar atoms. (INIS-mf – 3915) 348739
On specific features in the capture cross section of an electron by excited helium-like ions. (INIS-mf – 3915) 371476
Prigozhina, M.P.
Polyimides on the basis of m- and p-carboranylenediamines. 354346
Prikhod'ko, V.N.
Determination of intergranular breaks by means of electroinductive instruments. 357232
Prikhod'ko, V.V.
Spectral-kinetic investigation of cathodoluminescence of rare earth oxysulfides. (INIS-mf – 3955) 362148
Prikhodtseva, V.P.
p-type high-resistance silicon detectors for β and X spectrometry. 379858
Prilezhaeva, N.A.
Excitation of the hydrogen Balmer lines in He-H_2 mixture. (INIS-mf – 3915) 348691
Prillinger, G.
Study of the local variation of RBE and OER for neutron therapy. 378973
Prilutskij, O.F.
The β Persei – X-ray source of a new type. 361729
Intense bursts of cosmic gamma radiation. 349023
Mechanism of cosmic rays getting out of supernova dense shells. 369028
Shells of young pulsars as the gamma-radiation sources. 369029
Prilutsky, O.F.
High energy neutrinos from supernova explosion and Davis' experiment. 353665
Primak-Mirolyubov, V.N.
Gamma-plant for microbiological and biochemical studies. (Soviet patent document 193027/A/) 370684
Primak, V.N.
Stimulating action of continuous γ-irradiation with low dose-rates on the growth and development of Aspergillus niger. 360248
Primak, W.
Stability of lithium niobate on irradiation at elevated temperature. 367342
Primakoff, H.
Beta decay and muon capture in the A = 12 nuclei: Second-class currents and conserved-vector current. 351290
Muon capture by light nuclei. 377929
Prince, A.K.
Radiometric assay of tyrosine hydroxylase and tryptophan hydroxylase by Kalignost extraction procedures. 364857
Prine, D.W.
Inspection of nuclear reactor welding by acoustic emission. Technical data report May 1976 – March 1977. (PB – 268487) 363404
Inspection of nuclear reactor welding by acoustic emission, May 1976 – March 1977. (NUREG – 0035-3) 352472
Pringle, J.E.
γ-rays from γ Geminorum. 374895
Bursting X-ray sources: a theoretical framework for accretion models. 369143
Model for bursting X-ray sources: time-dependent accretion by magnetic neutron stars and degenerate dwarfs. 364360
Non-radial oscillations of rotating stars and their relevance to the short-period oscillations of cataclysmic variables. 372232
Nova Cygni 1975: wind and variations. 348991
On the spatial distribution of heavy elements in X-ray emitting clusters of galaxies. 356226
Tidal torques on accretion discs in close binary systems. 356300
Prinn, A.E.
Plasma formation in the belt-shaped screw pinch SP IV. (INIS-mf – 3963) 372072
Prins, G.
$(UO_2)_2Cl_3$: a new oxide chloride of uranium. 369736
Prins, M.
Applied research with the Eindhoven A.V.F. cyclotron. (INIS-mf – 4267) 378152
Transfer of excitation between 2p levels of neon induced by collisions with neutral neon atoms. 371472
Printz, H.
Method for solidifying liquid wastes containing radioactive or toxic material. (German (F.R.) patent document 2531056/A/) 355636
Shielding of fast neutrons from cyclotron targets. 354014
Prior, M.H.
Hyperfine structure of the 2s state of $^3He^+$. 350669
Prisco, M.R.
Nonequilibrium critical discharge of saturated and subcooled liquid Freon-11. 373857
Prissette, J.
Theoretical study of the anisotropy of the CO + H_2 potential energy surface in the non-reactive region. 371524
Prisyazhnyj, V.D.
Physicochemical characteristic of melts containing salt of laminated structure. (INIS-mf – 4193) 375411
Structural particularities of monovalent nitrate mixtures. (INIS-mf – 4193) 378209
Pritasil, L.
Use of thin-layer chromatography in production of compounds labelled with radioactive isotopes. 369752
Pritchard, D.E.
Angular distribution of fine structure changing collisions of excited Na. 353330, 377100
Pritchard, H.O.
An R.K.R.-like estimate of the effective non-adiabatic internuclear potential for the hydrogen molecule. 355894
Semi-empirical non-adiabatic potential energy curves for hydrogen, deuterium, and their molecule ions. 361374
Pritchard, T.W.
Measurement of the polarization parameter for antiproton-proton annihilation into charged pion and kaon pairs between 1.0 and 2.2 GeV/c. 353949
Pritchett, P.L.
Plasma simulation by means of a magnetostatic program. 364176
Prithvi Raj, V.
New method for determining particle size of tungsten powder. 362442
Pritt, J.W.
Solubility characteristics of some laboratory-produced mixed oxide aerosols. (LF – 56) 365330
Privezentsev, V.N.
Individual sampler for nuclides. (Soviet patent document 421964/A/) 356949
Privezentseva, T.V.
On kinetics of alloy evaporation in vacuum. 369971
Privman, V.
'Localised' perturbation theory for projected states for a two-element group. 371413
Prnka, T.
Materials for selected components of fast reactor power systems. 349498
Testing pipes of sodium-heated steam generators. (INIS-mf – 4211) 379631
Probert, K.S.
In sodium materials monitoring for LMFBR. (IWGFR – 10) 363491
Probst, C.
Superconductivity of bcc barium under pressure. 373259
Probst, H.
Evaluation of high-temperature alloys for nuclear process heat applications. 360881
The thermochemical properties of solid and liquid iron-vanadium alloys. 365163
Proch, D.
Collisionless CO_2 laser-induced photodissociation of sulfur hexafluoride in a molecular beam experiment. 350585
Prochukhan, V.D.
X-ray study of electronic structure of the $A^2B^4C_2^5$ and A^3B^5 type semiconductor phosphides. 374719
Procter-Gregg, H.D.
Discrimination of uranium alteration zones in selected areas by use of LANDSAT MSS imagery. Final report. (GJBX – 4(77)) 357475
Procter, R.P.M.
The effect of ion implantation on the corrosion behaviour of pure iron. 359818
The use of ion implantation to produce novel surface resistant alloys. 377156
Proctor, M.R.E.
On the eigenvalues of kinematic α-effect dynamos. 374581
Proctor, W.A.
Collective ion acceleration in a traveling virtual cathode. 363302
Procureur, J.
The lateral distribution of electrons in EAS at mountain altitude. 374887
Prodan, E.A.
Kinetics of thermal decomposition of (Sr, Ca) CO_3 solid solutions. 378447
Prodell, A.
Stability of high field superconducting dipole magnets. (BNL – 23211) 365734
Proebstle, R.A.
Conditioning of nuclear reactor fuel. 363408
Structural component made of a zirconium alloy and heat treatment process for it. (German (F.R.) patent document 2607146/A/) 351725
Proegler, H.
Dependence of the picture quality on the atomic number of the foil material in irradiation pictures with Co 60. (AED-Conf – 77-136-004) 355230
Proesch, U.
Radiogaschromatography of iodine compounds. 349185
Proeschel, P.
Compound nuclear contributions to the inelastic decay of analog resonances in the $^{90}Zr(p(pol),p')$ reaction. 356758
Profio, A.E.
Structure shielding in reactor accidents. 360427
Prohaska, W.
The melting points of some rare-earth metal nitrides as a function of nitrogen pressure. 370106
Prokakis, Th.
Zenith photoelectric measurements during the annular solar eclipse

of April 29, 1976. 353706
Prokes, A.
Deep inelastic muon scattering at 240 GeV. 353967
Search for charmed particles decaying into strange particles. 366891
Transmission regeneration of Ksub(S)sup(0) mesons on carbon. 353968
Prokhazka, I.
Verification of the sup(83m)Se(Tsub(1/2=69.2 s) decay scheme. 378026
Prokhine, V.L.
An acceleration evaluation of the performance of the Soviet-French wide-gap spark chamber for gamma-ray astronomy. 368266
Prokhodtseva, L.V.
Fracture characteristic anisotropy of the OT4-1u and VT14 alloy sheets with different hydrogen content as dependent on loading conditions. 375827
Prokhorenko, Y.P.
The separation of heavy ion tracks in nuclear emulsions by means of the pulsed electric field. 368267
Prokhorets, I.M.
Data processing and physical results on He^4 photodisintegration. (KFTI – 76-36) 368483
Prokhorov, A.D.
Change of basis state of some rare earth ions in crystallohydrates at high pressures. (INIS-mf – 3955) 378427
Prokhorov, A.M.
"Capture of excitation" effect in the system of interacting particles in a crystal. (INIS-mf – 3955) 361421
Effect of laser irradiation of superconducting materials on the basis of niobium on the character of critical temperature change. 361759
Efficiency of a selective two-step laser action upon an atomic beam. 363074
Experimental observation of "Excitation trapping" in a system of strongly interacting particles. 355945
Investigation of the nature of radiationless decay relaxation in condensed media with a high concentration of activator. 348860
Postcritical-density stationary plasma on highly absorbant (metallic) targets in vacuum under TEA-CO_2 laser radiation. 366496
Prokhorov, A.N.
Performance study of spark wire chambers in extreme regimes. 371145
Study of the reaction $K^-p \rightarrow$anti K^0n at momenta of 25 and 40 GeV/c. 356482
Prokhorov, F.G.
Optimization of water regime of secondary circuits of nuclear power plants with WWER reactors. 368149
Prokhorov, L.V.
Deep-inelastic scattering of leptons on virtual particles. 375052
Prokhorov, N.N.
Influence of preliminary heat treatment of heat resistant steels of pearlite class on the tendency of welded joints to fractures in reheating. 375787
Prokhorova, G.V.
Study of polarographic behaviour of indium, cadmium, lead and zinc in solutions saturated by tridecylamine. 378392
Use of tridecylamine for extraction-chromatographic separation of indium, cadmium, zinc, iron and lead. 378086
Prokhorova, L.A.
Investigation into γ-quanta with the energy (>=) 40 MeV in the upper layers of the earth atmosphere. 357530
Prokhorova, L.I.
Estimation of energy dependence accuracy of anti ν for major fissile materials. (INIS-mf – 3896) 356861
Prokhorova, N.P.
Extraction of alkaline earth elements by carboxylic earth elements by carboxylic acids. 357113
Prokhorovich, A.V.
On vibrational properties of 1.0, 1.2 and 1.3 eV emitting centers in GaAs. 374792
Prokhvatilov, E.V.
On stability of solutions of the string type in classical gauge field theories. 368581
Prokof'ev, A.A.
Mass-spectrometric facility with a high-aperture-ratio ion source for studies on active particles. 358455
Study of radiation chemical stability of chlorinated fibres in alkaline media. 369811
Prokof'ev, D.D.
Device for low-temperature target irradiation with ions. 360663
Prokof'ev, P.T.
High spin levels of sup(144)Nd excited in the (α,2n) reaction. 359457
Prokof'ev, S.A.
Chemical interaction in composite materials with magnesium and ML-8 alloy base reinforced with boron fibers. 365187
Prokofjev, P.
Some states in ^{175}Lu and ^{176}Lu excited in reactions with deuterons. (ZfK – 336) 364743
Prokop'ev, E.P.
Diffusion and kinetics of ortho-positronium decomposition in porous ion systems with large surfaces. 378484
Prokopenko, A.K.
Rare earth ions effect on nuclear spin-lattice relaxation in metal-hydrogen compounds on the transition metal base. (INIS-mf – 3955) 377215
Prokopenko, I.V.
Power units with WWER-440 type reactors. 368152
Ten years' operation experience of the Novovoronezh nuclear power plant. 368141
Prokopenko, O.L.
Investigation of structural perfection of semiconductor crystals and heterostructures by means of synchrotron radiation. (EFI – 206(52)-76) 379971
Prokopenko, V.S.
Spin flip probability of 6.9 MeV protons in inelastic scattering on ^{24}Mg. 378046
Prokopets, G.A.
Gamma quanta produced in inelastic interactions between neutrons and ^{59}Co nuclei. 378047
Prokopovich, B.A.
Development and study on a model of a liner for a pulsed theta pinch reactor. (INIS-mf – 3954) 361492
Prokoshkin, Yu.D.
Measurement of $\pi^-p \rightarrow \pi^0n$ at large momentum transfer. 372503
Observation of a meson $X \rightarrow 2\gamma$, with mass 2.85 GeV/c^2, produced in the charge-exchange reaction $\pi^-p \rightarrow Xn$ at 40 Gev/c. 377780
Particle identification in a hodoscope Cherenkov spectrometer. 355520
Performance study of spark wire chambers in extreme regimes. 371145
Study of the reaction $K^-p \rightarrow$anti K^0n at momenta of 25 and 40 GeV/c. 356482
Wire proportional chambers in an intensive particle beam. 371108
Proksch, E.
Compounds made of aluminium and irradiation grafted polypropylene. (SGAE – 2723) 354423
Dose rate and dose distribution in the gammacell 220 of the department of chemistry. (SGAE – 2729) 373566
Method of measurement to determine the permeability to fission gas of the cladding of HTR fuel particles. 370993
The radiationchemical reaction between F-methylcyclohexane, glass and oxygen. 359801
Restoration of carbon monoxide equilibrium in porous oxide high-temperature reactor fuel particles. 365952
Restoration of CO equilibrium in porous oxide HTR fuel particles. (SGAE – 2622) 374179
Prokudina, A.F.
Formation of mixed hydroxides in the thorium chloride-iron chloride-sodium hydroxide system. 354402
Pron'ko, G.P.
Electromagnetic effects in resonant processes on colliding beams. (IFVE-OTF – 76-43) 375017
Pron'ko, V.G.
Some problems of using adsorbents as a matrix material for low-temperature regenerators of cryogenic refrigerators. 360642
Pronicka, E.
Iron metabolism in experimental rickets. Pt. 1. Intestinal absorption of iron in rat rickets. 365455
Iron metabolism in experimental rickets. Pt. 2. Pharmacological investigations on ferrokinetics in rat rickets. 365456
Pronin, A.S.
High temperature spectroscopy of monocrystals of refractory oxides. (INIS-mf – 3955) 378304
Spectra of rare earth metaborates monocrystals. (INIS-mf – 3955) 378305
Pronin, O.D.
Specific features of the NEhM-300 electromagnetic pumps operation in the IFVE proton synchrotron vacuum system. 357931
Pronin, V.V.
Device for automatic data processing of ionization measurements made by multilayer detectors. 371080
Pronina, N.P.
On reaction kinetics of vanadyl sulfate with nitric acid. 362205
Pronkin, A.A.
On nature of conductivity in Na_2O-NaF-B_2O_3. 378358
Pronko, P.
Dechanneling by twins. 366411
Pronko, P.P.
Low energy p-Be nuclear reactions for depth-profiling Be in alloys. (CONF-770642 – 10) 375335
Pronman, I.M.
Fast neutron generator. (Soviet patent document 402945/A/) 355078
Prono, D.S.
Intense Pulsed Ion Neutral Source (IPINS). (UCRL – 79965) 377517
Prono, J.K.
Energy and technology review. (UCRL – 52000-76-8) 357928, 358599
Pronyaev, V.G.
Analysis of neutron cross sections of nickel and chromium isotopes in the fast energy range. (INIS-mf – 4043) 361966
Propach, E.
Investigation of diffraction dissociation in single pion production reactions in nucleon-nucleon collisions at 12 GeV/c. (BONN-HE – 75-1) 366881
Propheter, O.W.
Nondestructive multielement instrumental neutron activation analysis. (PB – 267283) 367043
Propolitov, V.I.
Crystallization of TeO_2. 378374
Proshletsov, A.P.
Controllable forming of a compact toroidal structure with an impulse field barrier. (DOE-tr – 3) 369009
Prosin, V.V.
Some characteristics of nuclear interactions on the basis of study on extensive air showers. 361708

Proske, R.
Contributions to the risk analysis of a repository for high-level radioactive wastes in geologic salt formations. 352881
Proske, T.
The reactivity of pyrene derivatives in neutral micelles towards hydrated electrons. 365075
Proskura, A.I.
Stationary amplification of photoluminescence in Cu and Mn activated ZnCdS crystal phosphors by infrared radiation. 351549
Proskurovskij, D.I.
Micropattern of emitters surface, working in the electron exploding emission mode. 373221
Proskuryakov, S. Yu.
Effect of transcription and translation inhibitors on reparation and degradation of DNA in irradiated thymocytes. 351993
Prosperi, D.
Hadron polarizabilities and quark models. (INFN-LNF – 77-9(R)) 369275
Nucleon polarizabilities and deep inelastic electron scattering. 364527
Pross, G.
Enhancement of neutron yield from Focus devices. (INIS-mf – 3963) 371787
The plasma focus current in the compression phase. 366610
Prosser, F.W. Jr.
Fusion cross section behavior for light systems. (CONF-770968 – 7) 372784
Fusion of ^{16}O + ^{40}Ca. (ANL – 77-60) 377995
Systematics of O + Mg fusion. (ANL – 77-60) 378066
Prosser, J.S.
Doses in radiation accidents investigated by chromosome aberration analysis. (NRPB-R – 70) 370518
Prostakov, M.E.
Complexing in molten mixtures of potassium-, yttrium-, lanthanum-, neodymium- and gadolinium fluorides. (INIS-mf – 4193) 375540
Protasevich, G.F.
Structure analysis of interstitial phases vapor deposited on different alloys. (INIS-mf – 4046) 370027
Protasov, E.A.
On the effect of stationary magnetic fields up to 15 T on the spectrum of transverse photocurrent in p = InSb. 374653
Protasov, I.I.
On application of non-refrigerated semiconductor detectors of roentgen radiation for measurement of cover thickness. (INIS-mf – 3994) 379400
Protasov, V.I.
Effect of environment temperature on defect formation in solids irradiated with fast neutron. 370142
Protasova, V.I.
Study of conditions of hydrothermal synthesis of rare earth molybdates in aqueous solutions of potassium molybdate. 351506
Protochristow, C.
High-spin states in odd-A Te isotopes. (ZfK – 336) 364778
Protopopescu, S.D.
New states below 2.2 GeV observed in e^+e^- annihilations. (BNL – 23612) 377822
Protopopescu, V.
On the scattering matrix for the linear Boltzmann equation. 376938
On the spectrum of the linear transport operator with diffuse reflection. 355826
Protopopov, Kh.V.
Scintillation-detector background due to cosmic radiation. (IAE – 2595) 350294
Protopopov, V.N.
Measurement of plasma-focus x-radiation spectra with resolution in time. 374851
Protopopov, V.S.
Experimental study on heat transfer from a vertical surface to carbonic anhydride in natural convection in supercritical range of state parameters. 370713
Heat transfer on turbulent liquid flow under supercritical pressure in tubes in conditions of cooling. 376296
Protsenko, A.N.
Nuclear energy centres and the economic and ecological problems of nuclear power development. 368445
Structure of the nuclear power industry with allowance for energy production other than electricity. 366115
Use of nuclear reactors to produce high-temperature heat for energy-intensive industrial processes. 366129
Protsenko, N.G.
On the thermodynamics of the metal-carbon system. 367242
Protsenko, P.I.
Electric conductivity of melts of mutual system KNO_3-$CsNO_3$-KNO_2-$CsNO_2$. 378375
Protsenko, T.G.
High-temperature oxidation of Ag-Ni pseudo-alloys with ZnS-, MoS_2 sulfide additions. 349369
On formation of protective barrier layer during high temperature oxidation of Cr-0,5La alloy. 349305
Protsyuk, L.P.
Luminescence of CdS crystals doped with Mn and Co. (INIS-mf – 3955) 367113
Luminescence of Mn – and Co – doped CdS crystals. 374765
Prouvreur, F.
An automatic liquid nitrogen level controller and transfer system. 360604
Prouza, Z.
Determination of the neutron radiation doses on the basis of measuring the activities induced in a human phantom irradiated at a neutron generator. 349923
Development of a personal neutron dosemeter based on a track detector. 371133
Dose equivalent measurement of intermediate and fast neutrons and energy dependence calibration by moderated Cf fission spectrum. 379386
Provenza, D.V.
Palatal shelf epithelium: a morphologic and histochemical study in X-irradiated and normal mice. 367493
Provenzano, V.
Specific absorbed fractions for photons emitted in the walls of the GI tract. 355028, 367560
Providencia, J.
Heavy ion scattering in the adiabatic approximation. 375095
Providencia, J. da
The Hartree-Fock and the generator coordinate methods in field theory. 362018
Provotorov, B.N.
To the statistical theory of the nuclear magnetic resonance line shape. 368833
Prowse, D.R.
Transportation of nuclear fuel. (AECL – 5800) 360697
Prozesky, O.W.
Irradiation resistance of cytotoxic lymphocytes. 367687
Prozorovskij, V.D.
To the problem of electron scattering in Pbsub(1-x)Snsub(x)Te. 371570
Prudhomme, J.
Long term evolution of the immune response in the rat irradiated at mean and high doses. 354782
Study of erythrocyte recovery by means of cellular spectra and reticulocytes remodeling after whole-body irradiation. 354781
Prudnikov, A.M.
Radial integrals for each state of rare earth ions. Dependence of relative arrangement of terms on coordination sphere radius and type of ligands. (INIS-mf – 3955) 361424
Prudnikov, I.A.
Electron linear waveguide accelerators for applied purposes. (INIS-mf – 4194) 376273
Prudnikov, V.N.
Magnetic susceptibility of niobium and tungsten. 349486
Prudnikov, V.V.
Non-universal dynamic scaling in two-dimensional degenerate systems. 355827
Prudnikov, Y.D.
Emission flame spectrophotometry of chromium, cobalt, nickel trace amounts. 349186
Pruess, K.
Calculations of single-particle polarization using a realistic two-center shell model. 366953
Long range imaginary optical potential in elastic scattering. (LBL – 6588) 372358
Polarizability of nuclear wave functions in heavy ion reactions. (LBL – 6592) 366927
Polarization of the nuclear wave functions in $^{40}Ca(^{16}O, ^{15}N)^{41}Sc$ and $^{208}Pb(^{12}C, ^{11}B)^{209}Bi$. (IKDA – 77/16) 364672
Prugovecki, E.
Classical and quantum statistical mechanics in a common Liouville space. 376948
Information-theoretical aspects of quantum measurement. 371423
Pruitt, A.W.
Measurement of 3-0-methyldopamine in urine and plasma by a rapid and specific radioimmunoassay. 373655
Prull, D.E.
Level structure of ^{102}Rh via $(^3He,d)$ and (p,d) reactions. (TID – 27909) 378059
Prulov, Y.
Personnel monitoring in Israel during 1975. 355037
Prunier, C.
Metallurgical study of the forging of a U-1.5%Mo alloy. 373147
Prusak, J.
Low-temperature physics and technology in JINR. 366791
Prusakov, A.G.
Determination of neutron mean number on fission event of ^{252}Cf. (INIS-mf – 3896) 357875
Prusakov, V.N.
Basic problems of fast-reactor fuel recovery. 367193
Pilot plant reprocessing of the BOR-60 spent uranium fuel by using fluoride volutility method. (IAEA-AG – 63-21) 362336
Prusoff, W.H.
Kinetic and photochemical studies and alteration of ultraviolet sensitivity of Escherichia coli thymidine kinase of halogenated allosteric regulators and substrate analogues. 362639
Prussin, S.
Effect of oxidation-expanded defects upon MOS parameters. 367343
Prussin, S.G.
Delayed neutrons and high-energy γ-rays from decay of ^{87}Br. 372800
Gamma rays from thermal neutron capture in ^{136}Xe. 364817
Pruys, H.S.
Measurement of gamma-rays, neutrons and charged particles after π⁻-capture in nuclei. 378077
Probabilities of muon induced nuclear reactions involving charged particle emission. 372832
Radiochemical investigation of the mass distribution and probability in stopped μ^- induced fission of ^{238}U. 372700
Pruzansky, J.
Fixation of tritium in a highly stable polymer form. (US patent

document 4,020,003/A/) 374419
Pruzhansky, A.
^{210}Pb content of rainfall in the Shephela (Israel coastal plain). (NRCN(TN) – 011) 373446
Pruzinec, J.
Surface temperature measurement with radioactive kryptonates. 379422
Pryadkin, K.K.
Electrodeless inductive and capacitive discharges at high pressures. (KFTI – 75-19) 377584
Pryakhin, O.R.
Investigation of nature of slowed-down of cadmium anodic oxidation in concentrated solutions of potassium hydroxide. 349280
Pryakhina, L.I.
Phase equilibria in the V-Ni-Al system and some properties of the alloys. 370008
Pryanishnikov, I.S.
Quality of high-speed steel of huge electroslag ingots. 349455
Pryanishnikova, E.N.
Method for separation of terbium and europium. (Soviet patent document 443579/A/) 373022
Pryor, R.J.
TRAC: a new code for LOCA analysis. (LA-UR – 77-1700) 352285
Pryor, W.A.
Radical production form the interaction of closed-shell molecules. 4. 1,4-diradicals and the isotope effects on the spontaneous polymerization of pentafluorostyrene. 364988
Przewlocki, K.
Identification of copper ore processing by means of radioactive tracers. 375745
Przhevuskij, A.K.
Absolute quantum yield of luminescence of rare earth ions in glass. (INIS-mf – 3955) 362152
Chronospectroscopic investigation of luminescence of activated glass. (INIS-mf – 3955) 367114
Kinetic selection of excitation spectra of neodymium glasses. 378200
Multiplicity of neodymium optical centres in quartz glasses. 378201
Probabilities of optical transition of neodymium in fluorophosphate glass. 357051
Selective population of heterogeneous contour of Yb^{3+} in glass. (INIS-mf – 3955) 378329
Przheyalgovskaya, M.A.
Nickel intermetallic compound sprayed in vacuum. 369915
Przhibel'skij, S.G.
Light inelastic scattering and transitions of colliding atoms into bound molecular state. 361336
Przhiyalgovskij, S.M.
X-ray radiometric analysis method. (Soviet patent document 263983/A/) 356984
Przyborowski, S.
Experimental studies on the effectiveness of test filters. (SAAS – 224) 355155
Radiation protection type testing and licensing of filters for separation of radioactive aerosols. (SAAS – 224) 355157
Test equipment used for radiation protection type testing of aerosol filters at the National Board of Nuclear Safety and Radiation Protection (SAAS). (SAAS – 220) 365723
Przybylski, A.
The analysis of the Large Magellanic Cloud star HD 33579. 372243
Przybylski, M.M.
The use of CAMAC in testing a large proportional chamber readout system. 371092
Przybysz, J.X.
Electronic thermal conductivity of superconducting lead – manganese, indium – manganese, and indium – chromium alloy films. 362443
Pshenichkin, P.A.
Investigation of temperature dependence of diamagnetic susceptibility. Effect of different additions on electronic structure of carbonic fibers. 378376
Pshenichnyj, G.A.
Vessel for x-ray analysis of liquid mixtures in flow. (Soviet patent document 494646/A/) 351452
Pshenichnyj, V.I.
Study on a possibility of alloying the iron surface with molybdenum by means of laser irradiation. 369853
Pshezhetskij, S.Ya.
On possible mechanism of photoradiation effect. 359802
On the mechanism of the effect of simultaneous irradiation by ionizing radiation and light non-absorbable by substance. 357176
Photoradiation processes. 349361
Pskovskij, Yu.P.
Photometric classification of supernovae. 377645
Two mechanisms of cooling of the I type supernova envelope. 369189
Pszona, S.
A personal tritium intake monitor. 355579
A rapid method for the determination of dose equivalent in mixed radiation fields. 363586
Ptushkina, N.M.
Spectrophotometric studying phosphomolybdic and phosphovanadiomolybdic heteropolyacids with some organic compounds. (INIS-mf – 4192) 375541
Ptuskin, V.S.
Cosmic ray interaction with magnetized plasma (propagation, modulation, acceleration). 356177
Cosmic rays in a diffusion model with large halo. 377646
On the origin of cosmic rays. 356238
Pucci, R.
A complete Lagrangian formulation of superconductivity. 353725
Puchelt, H.
The bearing of trace element distribution patterns of deep sea basalts for the interpretation of their genesis. 372917
Pucherov, N.N.
Tritium-titanium targets for nuclear physical research. 360570
Puchkov, L.V.
Integral functions of dissolution of sodium metaborate in water at temperature not over 300 deg. 351550
Puchta, H.
Evidence for negative deflection angles in ^{40}Ar + Ag deep-inelastic reactions from γ-ray circular polarization measurements. 367010
Preparation of isotopically enriched mercury targets. (LA – 6850-C) 370742
Pudovkin, M.I.
The structure of the solar flare stream magnetic field. 356305
Puehlhofer, F.
Fusion and direct reactions between 92 MeV ^{19}F and ^{12}C. 372781
Island of high spin isomers near N = 82. (ZfK – 336) 364811
Island of high-spin isomers near N = 82. 367001
Isotope and element distributions of the evaporation residues from fusion of 160 MeV ^{32}S with ^{24} ^{25} ^{26}Mg and ^{27}Al. 364818
Reaction between ^{238}U and ^{238}U at 7.45 MeV/nucleon. 366981
Pugach, M.V.
Deuteron disintegration on lead isotopes. 377887
Pugach, V.M.
Deuteron disintegration on heavy nuclei and allowance for neutron interaction in a final state . . 377886
Pugachev, A.V.
Radioisotope method of material testing. (Soviet patent document 448413/A/) 360580
Pugachev, G.D.
Study on isotopic effect in charged pion photoproduction on nuclei. 349093
Pugachev, N.S.
Structure of scale on molybdenum disilicide. 351662
Pugachev, Ya.I.
To the problem of singularities in the general relativity theory. 350539
Pugachev, Yu.I.
Study of phase-structural variations of tantalum carbides during long-time heating in vacuum. 378430
Pugacheva, G.I.
On fluxes of secondary protons at Ek > 500 MeV on altitudes of 200-300 km. 376040
Pulse shape analyzer in a compound scintillation detector of an electron spectrometer. 379892
Pugacheva, T.S.
Scattering of alkaline ions on polycrystal targets. 354025
Puget, J.L.
Gamma-ray astrophysics and galactic structure. 356306
Pugh, C.E.
Behavior of annealed type 316 stainless steel under monotonic and cyclic biaxial loading at room temperature. (CONF-770807 – 26) 362400
Constitutive equations for describing high-temperature inelastic behavior of structural alloys. (IWGFR – 11) 354552
Material properties requirements for LMFBR structural design: general considerations and data needs. (CONF-771052 – 1) 376581
Some trends in constitutive equation model development for high-temperature behavior of fast-reactor structural alloys. (CONF-770807 – 27) 363522
Pugh, D.
Some observations on the electron gas model for three-body interatomic forces. 377070
Pugh, I.G.
Design measures to minimise radiation exposure of staff for a commercial nuclear power plant. 367814
Pugh, O.
Fast reactor fuel reprocessing in the United Kingdom. (IAEA-AG – 63-4) 362342
Pugh, R.A.
Exxon Nuclear Company WREM-based generic PWR ECCS evaluation model: Palisades type combustion engineering plant large break example problem. (XN – 75-64(A)) 373831
Generic fuel design for 15 x 15 reload assemblies for Westinghouse plants. (XN – 75-39(NP)) 374219
Locking means for fuels bundles. (US patent document 4,038,137/A/) 360904
Pugh, S.F.
Critical materials problems in the exploitation of fission energy. 373129
Improvements in or relating to the storage of material. (UK patent document 1485266/A/) 361126
Pugin, A.I.
Saturation of the EhP310-steel with nitrogen during plasma-arc melting. 351790
Pugnet, M.
Study by thermally stimulated capacitance techniques of defects introduced at low temperature by electron irradiation in p-silicon. 370139
Pugnetti, G.
Design and safety criteria of the alpha-gamma hot laboratory of CNEN, Italy. 360656
Puhn, F.A.
Mechanical design of the Doublet III indented vacuum vessel.

(GA-A - 14591) 371776
Puigh, R.J.
Angular-momentum transfer in deeply inelastic scattering of 610-MeV ^{86}Kr by ^{209}Bi. 351344
Energy dependence of energy loss in the interactions of ^{86}Kr with ^{139}La. (RLO/1388 - 362) 372741
Puite, K.J.
Lyoluminescence dosimetry in photon and fast neutron beams. 360542
Perspectives for using lyoluminescence in photon and fast neutron fields. 371127
Pukhova, G.G.
Effect of an ionizing radiation on the activity of the components of the system: DNA ase 1-natural DNA ase 1 inhibitor in blood serum of white rats. 367500
Pulin, D.A.
Switch pulse shaper for a scintillation spectrometer circuit. 358385
Puliti, P.
Dynamical neutron diffraction by curved crystals in the Laue geometry. 371551
Pulker, H.K.
Ion plating in industrial thin film production. 368869
Pulla Rao, Y.
Cacotheline as a reagent in the detection of iron(II and III), vanadium(II and III), copper(I and II) and sulphite. 349173
Pullar, M.
Excretion of radioactivity in breastmilk following administration of an sup(113m)indium labelled chelate complex. 362753
Pullia, A.
Search for strangeness changing neutral currents induced by neutrinos in GARGAMELLE. 361875
Strange particle production by antineutrinos. 356505
Study of quasi-elastic reactions of ν and antineutrino in Gargamelle. 369268
Pulliam, J.A.
Effects of focal lesions produced by beta irradiating the cerebellums in fetal and infant rats. 362682
Pullido, J.
Radionuclide cardiography as a determinant of cardiac performance for patients in a cardiac intensive care unit. 354962
Pulpanova, J.
Changes of the excretion of both ^{125}I-o-iodobenzoic acid and its conjugates in irradiated rats. 354792
Pulsifer, A.H.
Electrofluid gasification of coal with nuclear energy. 374466
Pummery, F.C.W.
A nuclear microprobe method for the simultaneous determination of silicon and nitrogen profiles in metals. 364891
Pun, T.P.
D meson production and decay in e^+e^- annihilation at 4.03 and 4.41 GeV c.m. energy. 353989
Electron-muon and electron-hadron production in e^+e^- collisions. 366879
K^0 production in e^+e^- annihilation. 353983
Properties of the proposed tau charged lepton. 356517
A search for neutral heavy leptons. 356514
Spin analysis of charmed mesons produced in e^+e^- annihilation. 351228
Punches, J.R.
Locked-wrap fuel rod. (US patent document 4,005,521/A/) 352761
Punches, W.C.
MAYU04: a method to evaluate transient thermal hydraulic conditions in rod bundles. (GEAP - 23517) 357810
Pundarika, E.S.
Theoretical study of two-phase decomposition and coarsening. (LBL - 6613) 373260
Pung, L.A.
Hole processes in CsBr crystals. (INIS-mf - 3993) 377271
Punitkhavelu, Arkot M.
Plasma reflection from a magnetic wall with a local time modulation magnetic field. 350925
Punning, J.M.
Radiocarbon researches in geobiochemistry laboratory. (INIS-mf - 3244) 378868
Punning, Ya.-M. K.
Cells for liquid scintillation beta spectrometers. 358388
Purcell, G.H.
Radio structure of 3C147 determined by multi-element very long baseline interferometry. 356346
Purcell, J.
Design of a superconducting toroidal field magnet system for the Argonne Tokamak experimental fusion power reactor. 366616
Purcell, J.E.
Application of the unified weak-coupling model to neutron scattering by ^{12}C. 351409
Application of the v-w formalism to the continuum shell model. 372654
Purcell, J.R.
Effect of conductor self-shielding on eddy current losses. (GA-A - 14454) 361512
General Atomic's superconducting toroidal field coil concept. (GA-A - 14572) 371713
High current power leads for tokamak fusion reactor superconducting magnets. (GA-A - 14503) 350957
Parallel connecting poloidal coil system for a doublet tokamak fusion reactor. (GA-A - 14248) 372060
Superconducting dipole electromagnet. (US patent document 4,038,622/A/) 374078
Time dependent study of eddy current loss in a superconducting composite. (GA-A - 14631) 371786
Purcell, M.A.
A very rapid instrumental neutron activation analysis method for the forensic comparison of bullet-lead specimens. 375275
Purcell, W.L.
Evaluation of temperature coefficients of reactivity for ^{233}U - thorium fueled HTGR lattices. Final report. (EPRI-NP - 222) 352697
MFAULT: a computer program for analyzing fault trees. (BNWL - 2145) 374393
Purdy, C.M.
Introduction to materials consideration for LMFBR components. 379791
Material properties requirements for LMFBR structural design: general considerations and data needs. (CONF-771052 - 1) 376581
Purdy, D.C.
Implementing power plant nuclear safety requirements in rapidly industrializing countries. 352279
Purdy, D.L.
Thermoelectric generator operating with nuclear energy. (German (F.R.) patent document 1614309/C/) 355097
Purdy, D.R.
Upper and lower bounds for the oscillator strength of the x $^1\Sigma sub(g)^+$-c $^1\Pi sub(u)$ transition of the hydrogen molecule. 348733
Purdy, M.A.
Nalidixic acid inhibition of post-ultraviolet recovery in Escherichia coli K-12: requirement for recBC function. 370329
Puretzky, A.A.
Isotope-selective dissociation of the OsO_4 molecule by two pulses of infrared radiation at different frequencies. 359582
Puri, R.K.
Computation of force constant change of dilute Moessbauer impurities in metallic hosts from Moessbauer parameters. 371665
Puri, S.
Radionuclide bone imaging in the surgical treatment planning of odontogenic keratocysts. 352113
Puri, S.M.
Nondestructive technique for the measurement of fast diffusion. 367207
Purica, I.
Optimization of some eco-energetic systems. 380078
Purohit, S.C.
Optimization of cancer therapy : Part I - Inhibition of repair of X-ray induced potentially lethal damage by 2-deoxy-D-glucose in Ehrlich-Ascites tumour cells. 367522
Purrott, R.J.
Doses in radiation accidents investigated by chromosome aberration analysis. (NRPB-R - 70) 370518
Expansion of a negative pi-meson peak to cover a range of depths useful for radiotherapy. 365355
Purser, F.O.
Fast neutron differential cross sections. (BNL-NCS - 22500) 356862
Neutron spectra from deuteron and proton bombardment of thick lithium targets: potential for neutron therapy. 376246
Purser, K.H.
Heavy ion injection for tandem accelerators. 357987
Purton, C.R.
Markarian 421: a Lacertid. 361730
The spectrum of H1-36 (= 3U1746-37) at radio wavelengths. 349024
Purtymun, W.D.
Geology and hydrology in the vicinity of the inactive uranium mill tailings pile, Ambrosia Lake, New Mexico. (LA - 6839-MS) 349900
Purushottam, D.S.C.
Fabrication and post-irradiation examination of a zircaloy-2 clad UO_2-1.5 wt% PuO_2 fuel pin irradiated in PWL, CIRUS. (BARC - 918) 374178
Purvis, G.
Koeberg's cooling water marine basin next on agenda. 352658
Purwins, H.G.
Magnetization behaviour of $DyAl_2$ and $GdAl_2$. 378592
Pusch, R.
Deposition of high-level radioactive waste products in bore-holes with buffer substance. (KBS-TR - 03) 366095
Influence of cementation on the deformation properties of bentonite/quartz buffer substance. (KBS-TR - 14) 376771
The influence of rock movement on the stress/strain situation in tunnels or bore holes with radioactive canisters embedded in a bentonite/quartz buffer mass. (KBS-TR - 22) 363678
A memorandum on thermal conductivity of earth materials. (KBS-TR - 02) 366098
Required physical and mechanical properties of buffer masses. (KBS-TR - 33) 376772
Water uptake in a bentonite buffer mass. A model study. (KBS-TR - 23) 366106
Pushek, N.G.
Synthesis of vanadium trioxide. 349311
Pushin, V.G.
Strengthening of the aging austenitic 33N25Yu3F steel. 370064
Study of γ- and α-phase structure in Fe-Ni alloys in the vicinity of the martensitic transformation point. 370028
Pushkarev, S.S.
Multisection graphite calorimeter. 376625
Pushkarev, V.V.
Sulfur-35 foam flotation kinetics. 378459

Pushkina, G.Ya.
Basic yttrium and lanthanum fluorides. 375566
Study of aluminium and scandium hydroxofluorides by the method of nuclear magnetic resonance. 362186
Pushkina, M.A.
Wide-range high-frequency generator. 376731
Pushkina, N.I.
On nonlinear combinational interaction between the first and second sounds in liquid helium 2. 369258
Pushpanaden, F.
Electrocrystallization of cadmium on copper single crystal planes under the influence of an asymmetric alternating current. 357205
Pushpendran, C.K.
Effect of carbon tetrachloride on glycogen metabolism in fasted and refed mice. 373684
Pust, L.
Porous heat exchangers for continuous flow helium cryostats. 349977
Pustoshnaya, G.Yu.
Thermodynamic properties of liquid alloys of the cadmium-sodium-tin system. 375855
Pustovalov, A.A.
Radioisotope batteries with silicon base semiconductor converter. 352356
Radioisotope batteries. 349943
Pustovalov, V.V.
Generation of the 3/2ωsub(o) harmonic of the neodymium laser radiation on heating of spherical targets. 377337
Plasma parametric resonance in the non-monochromatic pump-wave. (INIS-mf – 3963) 371714
Pustovalova, A.A.
Experimental research of Pm^{147} high-voltage radioisotope batteries characteristics. 349945
Pustovojt, Yu.M.
Injectors for large thermonuclear devices. (INIS-mf – 3954) 361624
Put, L.W.
The $^{116}Sn(d,t)^{118}Sn$ reaction and the investigation of deeply bound hole states in the cold-A tin isotopes. 356921
The form factor of the real part of the α-nucleus potential studied over a wide energy range. 362092
Four-nucleon pickup from ^{64}Zn and ^{64}Ni. 372762
The QMG/2 magnetic spectrograph and its focal plane detector. (INIS-mf – 4267) 379877
Putberg, F.G.
Problems of development and application of power supplies based on electromachine electric generators with inertial storages. (INIS-mf – 3954) 361542
Puthawala, A.
Method for disposing radioactive resin wastes and the appropriate device. (German (F.R.) patent document 2531584/A/) 355640
Method for ultimate storage of radioactively contaminated filter cartridges or filter elements. (German (F.R.) patent document 2546428/A/) 355634
Putignani, M.G.
CRETA 74: an improvement of PAL 11A assembler for an implementation of IML-syntax for use with CAMAC. 380153
Putimtsev, B.N.
Refining iron and iron-nickel alloys in a vacuum induction furnace with crucible of melted lime. 375797
Putin, A.A.
Corrosion resistance of metallic materials in molten magnesium chliride. 362306
Putina, O.A.
Corrosion protection of magnesium-zirconium alloy during long-time storage. 359833
Corrosion resistance of metallic materials in molten magnesium chliride. 362306
Putkaradze, L.A.
Determination of oil- and gas-bearing intervals in cased boreholes by nuclear geophysical methods. 349633
Evaluation of oil saturation of clay reservoirs from neutron logging data of cased wells. 367384
Putnam, S.
Collective ion acceleration and power balance in intense electron beams in neutral gas. 363212
Putterman, S.
Phenomenological theory of collective modes and relaxation effects in type II superconductors. 366804
Putvinskij, S.V.
Particle diffusion in adiabatic traps with flute oscillations. (IAE – 2629) 348957
Putyatina, N.D.
Neutron methods of element analysis of geological samples with recovery of isotopic sources. (INIS-mf – 3994) 378175
Putz, F.
Calculation of thermal neutron spectra in a Wigner-Seitz-cell by means of a combination of Selengut's method of overlapping spectra and multicollision theory. (SGAE – 2486) 365795, 365796
Putzer, A.
Observation of jet structure in high psub(T) events at the ISR and the importance of parton transverse momentum. 353956
Puumalainen, P.
Assessment of fat content of liver by a photon scattering technique. 357705
Determination of peak shapes of filtered X-rays using attenuation measurements with polydiscrete X-ray beams. 364630
Puxbaum, H.
On the relative-conductometric determination of nitrogen in silicon-nitride containing materials. 367050
Puychevrier, N.
Properties of some III-V compounds in thin films realized by sputtering. 368826
Puzanov, A.A.
Generation cross-sections of characteristic x radiation of atoms while bombarding by nitrogen ions. (INIS-mf – 3915) 348676
Optical properties of sprayed coatings. 369652
Study on characteristic x-radiation of atoms excited by multicharged ions. (INIS-mf – 3915) 348674
Puzanova, T.Z.
Temperature dependence of domain structure of sintered $SmCo_5$ and Smsub(0,5)Prsub(0,5)Co_5 permanent magnets. 370102
Puzanowska-Tarasiewicz, H.
Use of diethazine hydrochloride for the extractive spectrophotometric determination of uranium and as a redox indicator. 354308
Puzej, I.M.
Anomaly of neutron pre-critical scattering and depolarization effect of ferromagnetic matrix in antiferro-ferromagnetic transition. 374751
Ferromagnetic resonance in iron-chromium monocrystals. 370020
Hall effect and transversal magnetoresistance in invar iron-nickel alloy single crystals at low-temperatures. 378580
Puzitskij, K.V.
Carbonylation of aliphatic and cyclic alcohols by carbon oxide in the presence of BF_3 complexes with acetic propionic or monochloracetic acid. 375537
Puzynin, I.V.
Scattering problem in quantum mechanics as an eigenvalue problem. (JINR-R – 4-9915) 376937
Puzynina, T.P.
Scattering problem in quantum mechanics as an eigenvalue problem. (JINR-R – 4-9915) 376937
Two-centre problem in quantum mechanics. 7. Nonadiabatic matrix elements connecting, the states of discrete and continuous spectra. (JINR-R – 4-9860) 376936
Puzynovich, Yu.T.
Calculation of the magnetic field in the banding block model of the booster in the High Energy Physics Institute (IFVE), taking into account electrotechnical steel anisotropy. (NIIEFA-B – 0211) 357954
Puzyrev, Eh.I.
Glass-phase crystallization effect on ceramics welding to metals. 369867
Puzyrev, S.Yu.
Optimum characteristics of a propotional counter for a detection of the cosmic X -ray radiation from 2 to 25 keV. 361062
Radiation loading effect on characteristics of proportional counters. 361097
Py, J.P.
Creation of nuclear power stations for export. Adapting a reference power station from the technical level of a national programme. 371235
Pyare, R.
Investigation of the tube side flow distribution in heat exchangers. (CONF-770912 – 1) 360960
Pyarn, T.Ya.
Dependence of the activity of the lactate dehydrogenase in the blood plasma of mice on the functional activity of the intact thyroid and an irradiated thyroid. (INIS-mf – 3912) 373530
Pyartman, A.K.
Second-sphere complexing of some cobalt(3) aminates with molybdate- and tungstate-ions in aqueous solutions. 351526
Thermodynamics of molybdate and tungstate second-sphere complexes of some cobalt(3) aminates. 359659
Pyatak, A.I.
Quasi-linear relaxation of a fast ion beam in a tokomak. 368556
Pyatakhin, V.I.
Telemetry channel for a well-type scintillation gamma spectrometer. 354670
Pyatkin, E.K.
Principles of biological dosimetry in acute radiation sickness. 349942
Pyatnitskij, I.V.
Cadmium extraction by mixtures of heptanoic and bromine heptanoic acids with amines. 362216
Investigation into stability of certain rare earth complexes with diantipyrilmethane by the metal-indicator method. 375542
Pyatnitskij, Yu.I.
Gas-phase heterogenous-catalytic oxidation of aromatics. 354366
Pyatosin, V.E.
Translucence of complexes of phthalocyanine with rare earth ions under action of ruby laser. 357050
Pyatov, N.I.
Approximate method or single-particle hamiltonian distorted symmetry recovering and its application. 349104
Pyatov, V.N.
Magnetic field configuration in a tokamak with a poloidal divertor. (INIS-mf – 3954) 361510
Stability of current magnetic structure relative to external helical perturbations. 361587
Pybakov, N.Z.
The safety problems of nuclear power plants with channel-type, graphite, boiling-water reactors. 370875
Pye, J.P.
Ariel V sky survey: X-ray variability of NGC 5128. 359115
The binary X-ray pulsar 3U 1538 – 52. 359074
The gross energy balance of solar active regions. 372160
Pyilyankevich, O.M.
On the mechanism of simple direct sphalerite transformation in

boron nitride. 378772
Pyl'chenkov, Eh.Kh.
Calculation of stresses and deformations in a cylindrical shell with imperfect initial shape and at the circumference nonuniform temperature. (FEI – 703) 374105
Thermomechanical behaviour of cylindrical fuel element under multiple loading. (FEI – 569) 350158
Pyle, K.V.
D- production by backscattering from clean alkali-metal surfaces. (LBL – 6839) 363922
Pyle, R.V.
Cross section for the production of ^{7}Be from ^{6}Li, ^{6}Li interactions. 351415
Cryopump, neutral-beam compatibility test. (LBL – 5943) 377348
Electron capture and loss cross sections for multicharged iron and argon ions in argon and molecular hydrogen. 368610
Equilibrium charge-state fractions for 2.7-31 keV deuterium atoms and ions in strontium vapor. 366321
Performance of a developmental 120-keV, 10-A deuterium (14-A hydrogen) neutral beam system. (LBL – 6384) 377347
Single electron capture and loss cross sections for highly stripped Fe ions in hydrogen at 3.4 MeV/nucleon. 353191
Pynn, R.
Diffuse neutron scattering from an ω-phase ZrNb alloy. 359346
The structure of the diffuse omega phase observed in Zr and Ti alloys. 370029
Pyper, J.W.
Kinetics of the radiation-induced exchange reactions of H_2, D_2, and T_2: a review. (UCRL – 52380) 378377
Ortho-para forms of hydrogen, deuterium, and tritium: radiation and self-induced conversion kinetics and equilibria. (UCRL – 52278) 353007
Pyrina, V.K.
Complexing in molten mixtures of potassium-, yttrium-, lanthanum-, neodymium- and gadolinium fluorides. (INIS-mf – 4193) 375540
Pyrlik, J.
Anisotropy of the excitation probability of electron energy losses in silicon. 356045
Pyrvulescu, K.
Determination of minimal spanning trees for total graphs. (JINR-R – 11-10634) 376859
Rapid processing of spectra by means of a on-line small computer. (JINR-R – 10-9242) 350448
Pyshkin, S.L.
Multiquanta transitions in Cd-In-S crystals. 363987
Pytlinski, J.T.
New elementary experiments in plasma physics. 358910
Pyun, J.J.
Boiling pool analysis during transition to the transition phase of core disruptive accidents in LMFBRs. 352260
Pyuskyulyan, K.I.
Spectrometer for the investigation of electron momentum distribution in solids by means of the positron annihilation method. 366405
Pyzhova, Z.I.
Extraction of actinium by tryoctylphosphine oxide from hydrochloric acid solutions. 357099
Extraction of actinium by tryoctylphosphine oxide from nitrate solutions. 357098
Qaim, S.M.
Cyclotron production of medically useful halogen radioisotopes. (INIS-mf – 4010) 357125
Excitation functions for the formation of neutron deficient isotopes of bromine and krypton via high-energy deuteron induced reactions on bromine: production of ^{77}Br, ^{76}Br and ^{79}Kr. 376238
Triton emission in the interactions of fast neutrons with nuclei. 378048
Qaqish, A.Y.
Detection efficiency and range measurements of alphas and protons in cellulose nitrate. 360059
Quackenbush, C.L.
Determination of glass formation in the system Al_2O_3-B_2O_3-P_2O_5 by laser melting. 373304
Quade, R.N.
HTS thermal storage peaking plant. (ORNL/Sub – 4188/2) 360927
Material criteria and selection for VHTR heat exchangers. 360926
Multipurpose HTGR: an integrated nuclear system for power generation and direct high-temperature process heat applications. 370866
Quaegebeur, J.P.
Study by electron paramagnetic resonance of the radiolysis of pyridine N-oxide in a vitreous methanol matrix. 362277
Quaglia, G.M.
Corrosion resistance of tubes for PWR steam generators. 362294
Quaglia, L.
A simple method allowing the checking of the homogeneity of an accelerated charged particle beam. 374096
Quaglia, M.
Measurement of $\pi^-p \rightarrow \pi^0 n$ at large momentum transfer. 372503
A new fast and programmable trigger logic. 371097
Observation of a meson $X \rightarrow 2\gamma$, with mass 2.85 GeV/c^2, produced in the charge-exchange reaction $\pi^-p \rightarrow Xn$ at 40 Gev/c. 377780
Quaiyum, M.A.
Problems faced by Bangladesh in introducing a nuclear power programme. 371329
Quale, A.
Inertia and gravity in general relativity. 355828
Qualheim, B.
New isotope of californium: ^{253}Cf. (BNL-NCS – 22500) 356828
Quam, W.M.
Dosimetry measurements of 26, 35 and 45 MeV p-Be and p-Li neutron beams. 376228
Quan, V.
Simulation of transients in liquid-metal fast breeder reactor systems. 373781
Unified model for fission gas release and sodium boiling in reactor coolant channel. 352280
Quandt, L.
Studies on the C metabolism of chlorobiaceae. 367595
Quapp, W.J.
Behavior of irradiated fuel rods during film boiling operation. 352281
Irradiation effects test Series Scoping Test 1: test results report. (TREE-NUREG – 1066) 374220
Quarantini, C.
Use of a MWPC in a big magnetic spectrometer as a counter hodoscope for fast majority discrimination. 379873
Quareni-Vignudelli, A.
Analysis of the $\omega\pi^-$ system produced in the reaction $\pi^-p \rightarrow \pi^-\pi^-\pi^+\pi^0 p$ at 11.2 GeV/c. 353965
Cross-sections and multiplicity distributions for π sup(-)p interactions at 11.2 GeV/c. 369278
Search for short-lived particles produced by 300 and 400 GeV/c protons in nuclear emulsions. 364564
Quaresima, C.
Thermotranssmission measurements on slef-supporting metal films. (INFN-LNF – 77-5(R)) 368873
Quaritsch, K.
A process for the preparation of uranium dioxide particles by deposition in a fluidized bed. 365193
Quarterman, L.
Migration of Pu and Am. (BNWL – 2117) 370255
Quasdorf, M.
Process control computers solve optimization problems. 358100
Quastel, M.R.
Radioimmunoassay for antibodies to deoxyribonucleic acid (DNA). (IA – 1338) 365496
Quattropani, A.
Choice of gauge in two-photon transitions: 1s-2s transition in atomic hydrogen. 366319
Quay, W.B.
Rapid minichromatography for purification of samples prior to radioimmunoassay. 362773
Qubanchi, A.H.A.
The branching rule for the restriction from SO(7) to G_2. 368554
Quddus, R.
Financing a program for the transfer of nuclear technology. 352590
Queen, C.C.
Component design description of the neutral beam injectors for PLT. (CONF-771029 – 43) 371907
Queen, J.
Scandium puzzle: what are its intrinsic properties. (IS-M – 99) 351753
Queiroz, S.V.
Spatial variability of physical properties of tropical soil. (CENA-BT – 004) 354672
Spatial variability of physical properties of a tropical soil. (CENA-BT – 005) 357494
Quemeneur, A.
Observation of nonlinear Landau damping of a broad-band spectrum of electron plasma waves. 350852
Queneudec, J.-P.
Prevention of radioactive pollution and modifications to the law of the sea. (INIS-mf – 4170) 371272
Quenneville, A.F.
Backscattering measurements of the temperature dependence of irradiation-induced displacement of As and Sb atoms in Si crystals. 370223
The use of nuclear reactions and ion channeling to study trapping of Cu self-interstitial atoms by Be solute atoms in a Cu – 0.25 at.% Be crystal. 364127
Quentin, P.
A self-consistent treatment of the nuclear isoscalar quadrupole motion. (LYCEN – 7702(pt.2)) 369447
Quesne, C.
Seniority four admixures in the low-lying 0$^+$ states of even-mass tin and lead nuclei. 354251
Quick, J.V.
Uranium favorability of late Eocene through Pliocene rocks of the South Texas Coastal Plain. (GJBX – 7(77)) 373418
Quigg, C.
Counting narrow levels of quarkonium. 377765
Dilepton production in hadron – hadron collisions and the "factor of three" from color. (FERMILAB-CONF – 77/33THY) 372474
Hadronic decays of eta/sub c/. 372475
Issues in charmed particle spectroscopy. (FERMILAB-Conf – 77/27-THY) 364544
Quarkonium level spacings. 361841
Weak interactions at very high energies: The role of the Higgs-boson mass. 372453
Quigley, M.S.
Investigation of combined free and forced convection in a 2 x 6 rod bundle. (BNWL – 2216) 363523
Quihillalt, O.J.
Nuclear technology experience acquired by Argentina. 352591

Quin, P.A.
Study of $^{24}Mg(d(pol),p)^{25}Mg$ with polarized deuterons. 356708
Quinault, J.M.
The forecasting of the dispersal of gaseous reactor wastes. 360364
Quinby, T.C.
Dosimeter sample preparation, quality assurance, and materials development for the ILRR, FRMDC, and FFTF dosimetry programs. (CONF-771036 – 2) 366004
Quinke, J.
Thyroidal regulation during prolonged lithium medication. (INIS-mf – 4010) 370472
Quinn, D.J.
Analytical and experimental studies of transient fuel freezing. (CONF-761001 – P4) 362914
Cladding relocation experiments. (CONF-761001 – P4) 362947
Experiments on pressure-driven fuel compaction with reactor materials. (CONF-761001 – P4) 362948
Transfer coefficients for the prediction of the dose to man via the forage-cow-milk pathway from radionuclides released to the biosphere. (UCRL – 51939) 373618
Quinn, H.R.
Constraints imposed by CP conservation in the presence of pseudoparticles. 372471
Quinn, P.J.
The digestion of monomolecular films of [^{32}P]phosphatidylinositol by a specific phosphodiesterase. 349811
Quinn, W.E.
Experiments on end-loss phenomena and material end plugs in a 5-M linear theta pinch. (INIS-mf – 3963) 353589
Feedback stabilization experiments using l = 2 equilibrium windings in Scyllac. (INIS-mf – 3963) 371739
Observation of propagating m = 1 waves in Scyllac. 348895
Solid – end-plug experiment on a theta pinch. 350819
Quintana, H.
Relativistic elasticity applied to neutron stars. 356307
Quintanilla, A.R.
Optical photometry of Cygnus X-1: 1972-1976. 372294
Quintanilla, M.
Simultaneous measure of a spectral line profile and the apparatus function of a Fabry-Perot spectrometer when continuous background is present. (JEN – 380) 377083
Quintiliani, M.
The induction of β-galactosidase and tryptophanase in X-irradiated E. coli and B/r. 365360
Quinton, A.R.
Optical modulation study of proton-bombarded GaAs. 370201
Quiroga, E.
Correlation between the estimated molecular weight and the immunological properties of ^{125}I-TSH. 373760
Quiros, M.
A non-homogeneous string model for hadrons. 366863
Quis, P.
Coating substance hardened by high-energy radiation. 354435
Quisenberry, D.R.
Radiation dosimetry: a proposed method for defining dosages. 357602
Quist, T.C.
Spacecraft-produced neutron fluxes on Skylab. 372244
Quon, B.H.
Effects of global field errors on ELMO Bumpy Torus. (ORNL/TM – 6075) 368983
Qureshi, I.H.
Extraction of group IB, IIB and III-VA elements with 1-phenyl-3-methyl-4-trifluoroacetyl-pyrazolone-5. 364956
Qureshi, M.
Synthesis and ion-exchange properties of a semicrystalline magnesium-selective niobium antimonate. 362135
Qureshi, S.A.
Effects of gamma radiation and Hempa on the midgut of the desert locust Schistocerca gregaria. 373539
Raab, W.
Comparison of concentration rates of calcium and pyrophosphates in bone. (INIS-mf – 4010) 357619
Raabe, O.G.
Estimate of early mortality and morbidity following acute inhalation of plutonium. 379057
Improvements in deposition models for estimating dose distribution from inhaled aerosols. 360331
Raabe, W.
Thyroid hormones and TRH-test during pregnancy. (INIS-mf – 4010) 370458
Raaben, Eh.L.
Absolute intensities of spectra of glass with rare earth ions. (INIS-mf – 3955) 362167
Probabilities of optical transition of neodymium in fluorophosphate glass. 357051
Raadu, M.A.
Critical ionisation velocity and the dynamics of a coaxial plasma gun. 377518
The role of electrostatic instabilities in the critical ionization velocity mechanisms. (TRITA-EPP – 77-18) 353617
Raaf, A.J. de
The polarized beam facility in Eindhoven. (INIS-mf – 4267) 379513
Raake, W.
Effects of 6-methyl-uracil upon the phagocytic activity in mice following whole-body X-irradiation or 2,4,6,-triethyleneimino-s-triazine treatment. 376106
Raap, I.A.
Ligand exchange reactions of the heme group in hemoglobin and myoglobin as studied by pulse radiolysis. (INIS-mf – 4218) 378541
Raaphorst, G.P.
The radiation response of cultured mammalian V79-S171 cells exposed to a wide concentration range of sulphate salt solutions. 378974
Rabani, J.
Oxidation of aqueous Br^- by OH radicals, studied by pulse radiolysis. 357165
Photolytic and radiolytic studies of $Ru(bpy)_3^{2+}$ in micellar solutions. 378532
Pulse radiolytic investigations of peroxy radicals in aqueous solutions of acetate and glycine. Progress report, September 1, 1976 – July 1, 1977. (COO – 3221-43) 357129
Pulse radiolytic studies of aqueous $Mn(ClO_4)_2$ solutions. Progress report, September 1, 1976 – July 1, 1977. (COO – 3221-44) 357174
Radiolytic studies of reactions in the Zn^+ + Mn(III) system. 375709
Transients in the flash photolysis of aqueous solutions of tris(2,2'-bipyridine)ruthenium(II) ion. 357166
Rabbe, R.
Stainless steel thick plates for light-water reactors. 355404
Rabie, A.
Study of energy transfer to solvent in radiation graft polymerization of styrene onto polyethylene. 373084
Rabie, A.A.
A new version of the R-matrix theory for heavy ion transfer reactions. 356635
Rabik, L.L.
Asymptotic expansions in the problem of three charged particles. 368690
Rabinovich, A.D.
Mathematical processing of experimental data on neutron yield from separate fission fragments. (NIIAR-P – 262) 377965
Measurement of the mean neutron yield from fragments of spontaneous fission of ^{252}Cf and thermal fission of ^{239}Pu. (INIS-mf – 3896) 356696
Rabinovich, I.B.
Thermochemistry of some molybdenum and tungsten cyclopentadienyl compounds. 365001
Rabinovich, M.I.
Phase stochastization mechanism and wave turbulence structure in dissipative media. 348975
Rabinovich, M.S.
Controlled fusion and plasma physics. 374853
Current state of controlled nuclear fusion. 353618
Some characteristics of ohmic heating plasma in the L-2 stellarator. (INIS-mf – 3963) 371712
Super-compression of fissionable material by lasers. 371994
Rabinovitch, A.
Finite element method for solving the two dimensional Schroedinger equation. (IA – 1338) 366215
Rabitz, H.
Characteristic vibrational coupling behavior of intermolecular potentials. 368624
Decomposition theory of chemical reactions. 359542
Dynamical studies of molecular systems. Progress report, February 1, 1977 – November 1, 1977. (COO – 2542-5) 371525
Quantum number and energy scaling of rotationally inelastic scattering cross sections. 353223
Rabitz, S.
Decomposition theory of chemical reactions. 359542
Rabkina, I.G.
Complexing in the cesium metaphosphate-manganese(2) metaphosphate. 364989
Rabold, H.
Methods of establishing limits on discharge to the environment of radioactive material emerging from the fuel cycle. 367820
Rabot, G.
Confinement of radioactivity in glass. 358490
Rabotnov, N.S.
Analysis of neutron cross-sections in the resonance range by means of the Pade approximation. (INIS-mf – 4043) 363739
Application of the Pade approximation to the expansion of functions into sum of exponents for neutron physics problems. (INIS-mf – 4043) 361916
Estimation of cross section of fast neutron radiative capture by gold-197. (INIS-mf – 4043) 362111
Pade approximation and problem of anharmonic oscillator in quantum mechanics. (FEI – 583) 363753
Radiative capture of fast neutrons by ^{238}U nucleus. (INIS-mf – 3897) 356915
Rabovskij, Ya.A.
Volume self-diffusion in tungsten. 369897
Rabsztyn, S.
On the integrability of the Lie algebra of the conformal group in quantum field theory. 353138
Raby, T.M.
Core and fuel at the NBSR. 358321
Racca, C.
Strange particle production by antineutrinos. 356505
Rachek, A.P.
Content of interstitial elements on the surface of molybdenum sheet stratifications. 359904
Rachima, M.
Technetium-99m-pyridoxylideneglutamate in jaundiced patients. 354947
Rachkov, V.I.
Low-cycling strength of sheet VT1-0 titanium welds. 369865
Rachkovskaya, G.E.
Infrared spectroscopic investigation into glass structure of P_2O_5-

Nb_2O_5-TiO_2-Fe_2O_3 system. 354320
Rachkovskaya, L.N.
Oxidative dimerization of benzene to diphenyl in the presence of heterogeneous catalysts. 378378
Rachman, N.
CP violation in the decay of charmed mesons. 353889
Rachor, L.
Method to produce fuel element blocks for HTR reactors. (German (F.R.) patent document 2609476/B/) 360923
Raciti, G.
Researches with the tandem and the synchrotron. Chapter 1. (CEA-N – 1959) 354172
Study of some ^{16}O states at high excitation energy. 362049
Rack, E.P.
Comparison between neutron activation analysis and graphite furnace atomic absorption spectrometry for trace aluminum determination in biological materials. 372857
Reactions of iodine with olefins. IV. Preferential site attack of electrophilic high energy iodine in gaseous, high pressure, and liquid butene-1. 359811
Rack, H.J.
Hydrogen embrittlement of thermomechanically treated 18Ni Maraging steel. (SAND – 77-1087C) 373110
Racz, P.
Investigations on inorganic elements in human lenses of normal and senile cataractous character. 369566
Raczka, R.
Construction of asymptotic fields and scattering operator in lambda phi_4^4 canonical quantum field theory. (JINR-D – 1,2-9342) 355829
Relativistic field equation of the $lambdaphi_3^4$ quantum field theory. 371372
Rad, J.P.
Naturality and inclusive Λ production. 364531
Rada, W.S.
The Durham extensive air shower array. I. 366033
Radacic, M.
Distribution of ^{51}Cr labeled leukemia cells in mice: Comparison with representative normal cells. 373586
Radar, M.L.
Relation between four types of radiation damage and induced repair. (TID – 27772) 370330
Radautsan, S.I.
Optical absorption of $ZnIn_2S_4$ monocrystals. 348839
Structure of energy bands and two-phonon absorption in $CdGa_2S_4$ and $CdGa_2Se_4$ crystals. 371666
X-ray spectral study of electronic structure of Cd_3P_2. 357052
Radchenko, M.V.
Some specific features of a band spectrum of Pbsub(0,82)Snsub(0,18)Te narrow-gaped solid solution. 374744
Radder, J.A.
A KKRZ calculation on indium. 353481
Radeka, V.
Second coordinate readout in drift chambers by charge division. (BNL – 23345) 379937
Radermacher, E.
Measurement of muon-neutrino and -antineutrino scattering of electrons. 353961
Muonless π^0-production by muon-neutrinos and -antineutrinos. 353962
Radermacher, G.
Earthquake design of the piping heat transfer system. 376560
Radevich, V.S.
Effect of Rind of holding ion on efficiency of rare earths separation by means of displacement complexing chromatography. 378379
Studying composition of complexes formed by non-ferrous metal with nitrilotriacetic acid during rare earths separation by displacement chromatography. 378380
Radford, E.P.
Cancer mortality among patients with ankylosing spondylitis not given X-ray therapy. 352056
Radford, K.C.
Ammonia as a sintering aid for UO_2. 351843, 362502
Radhakrishna, S.
Radiation damage products in ionic crystals impurity doped alkali halides. 364096
Thermoluminescence of irradiated poly(methyl methacrylate). 373086
Thermoluminescence of irradiated polystyrene. 373085
Radhakrishnamurty, R.
Distribution and excretion of α-naphthylthio-[^{14}C]urea in Albino rats. 367652
Radhakrishnan, A.
Quantitative aspects of sediment transport studies using radioisotopes. 367403
Radhakrishnan, N.K.
A neutron diffraction study of the spinel oxide $CuMn_2O_4$. 371667
Radhakrishnan, V.
The Hulse-Taylor pulsar and gravitational spin precession. 356249
Radicella, R.
The radioisotope production laboratory of the Argentine National Atomic Energy Commission. 360422
Radil, V.
Preparation of metallic uranium reference sample. II. 378712
Radin, C.
The dynamical instability of nonrelativistic many-body systems. 353139
Radin, O.N.
Passive filter of the IFVE accelerator ring electromagnet. 370750
Radke, E.
The technology of liquid-liquid extraction with special regard to nuclear fuel reprocessing. (KFK – 2469) 365116
Radkevich, I.A.
π^- C^{12} interaction followed by neutral particle production at 40 GeV/c. (ITEF – 6) 353933
Some characteristics of the inclusive process $\pi^- + p \rightarrow \pi^+ +$ all in the fragmentation range of the incident particle at 2,69 and 3.25 GeV/c. (ITEF – 20) 356476
Radkevich, V.A.
Facility for the determination of the cosmic ray neutron component multiplicity factor. (Soviet patent document 433434/A/) 361039
Radkowsky, A.
Optimal utilization of thorium in LWRs assuming no reprocessing and avoiding potential weapons material. (INIS-mf – 4052) 368156
Radler, K.
Some properties of Cu films sputtered into thin layers of Cr and CrNi. 368814
Radman, M.
Molecular mechanisms of induced mutagenesis. 378988
Radmaneche, R.
Collision and interaction phenomena – a historical outline. (ZfI-Mitt – 10) 371424
Radochova, D.
Di Guglielmo syndrome (erythroleukemia) with dyserythropoiesis in a breast cancer patient treated with irradiation. 379054
Radojevic, V.
Electron correlations in photoabsorption for beryllium isoelectronic sequence. 377102
Radojicic, D.
Cross-sections and multiplicity distributions for π sup(-)p interactions at 11.2 GeV/c. 369278
Total cross sections for charged-current neutrino and antineutrino interactions in BEBC in the energy range 20-200 GeV. 353945
Radon, T.
Photo field emission spectroscopy of the tantalum band structure. 378657
Radosavljevic, B.
Hot laboratory of the Boris Kidric Institute of Nuclear Sciences. 360664
Radosavljevic, R.
The radioactivity of Danube sediments between km 945 and km 1259 in the period from 1965 to 1975. 357523
Radoseavic, J.
Extraction and complex formation of cerium(III) and praseodymium(III) with monoesters of phosphonic acids. 359681
Radosevich, C.L.
Chemical vapor deposition of tantalum on graphite cloth for making hot pressed fiber reinforced carbide-graphite composite. (LA-UR – 77-1261) 351863
Radoszewski, T.
The 4πβ-γ and 4π(x,e)-γ coincidence method with liquid scintillation counter for counting β-particles, Auger-electrons or X-rays. 376614
Radovanovicj, R.
Some ecologic characteristics of Co 60. 370275
Radovskij, I.S.
Application of ultrasonic impedance method for investigating coolant properties. (INIS-mf – 3914) 349578
Radtke, R.
The pressure dependence of the spark constant. 377424
Radugina, A.A.
Post-radiation solidification of oligocarbonateacrylates. 357133
Radushev, A.V.
1-phenyltetrazolinethion-5 as reagent for group concentration of platinum metals and gold. 375336
Raduta, A.
Some fundamental aspects of RPA approach and its relation with the nucleus structure. 377930
Raduta, A.A.
A new model for a simultaneous description of the groundstate and β band. 377931
On the description of double-phonon negative-parity states of some even-even Sn isotopes. 354053
On the structure of the groundstate bands in terms of coherent states. 354100
Random phase approximation in the study of spherical nuclei. 376939
Upon an elementary way to derive a closed formula for the Bogoliubov boson transformation. 377272
Radutskij, G.M.
Is it possible to determine the nucleon axial-vector form factor from pion electroproduction cross section form factor from pion electroproduction cross section. 349079
Photoproduction of π^+ mesons on Li^6 nucleus near the threshold. 375044
Radvanyi, P.
Quasi-free (p,pα) scattering at 157 MeV. 371526
Radwan, J.
Studies on the radioprotective effect of Dianabol and Trasylol during fractionated irradiation of rats. 354779
Radygin, V.F.
Technology of soldering radioisotope thermoelectric generator joints. 349944
Radyuk, R.I.
Application of natural zeolites of Uzbekistan for purification of low-active sewage. 359762
Use of natural Uzbekistan zeolites for purification of low-level

liquid waste. 354411
Radyushkin, A.V.
Deep inelastic scattering on a composite particle in the scale-invariant quark model. 364545
Light-cone expansions and parton model. 363772
Radzievskij, V.N.
Particularites of wetting of steels with solders during heating in autovacuum. 359881
Rae, H.K.
Canadian heavy water production. (AECL – 5710) 360567, 367859
Raeder, J.
Energy by nuclear fusion. (IPP – 4/147) 348893
The mechanical performance of the fusion reactor first wall. Pt. 2. (IPP – 4/149) 348899
Raedle, K.
DYNRSO, a code to calculate dynamic processes in steam reformers. 370987
Raedt, J.A.G. de
Precise excitation energy and γ-ray decay of the lowest T=2 state in ^{40}K. 356895
Spectroscopy of ^{39}Ar with the ^{36}Sn(α,n) and ^{38}Ar(d,p) reactions. (INIS-mf – 4267) 378065
The transient magnetic field at low ion velocity. (INIS-mf – 4267) 378049
Rael, B.H.
Surface multipole guide field for plasma injection. 358919
Raepple, B.
Heat transfer tests and calculations for LMFBR spent fuel casks. 350010
Investigations of fuel rod failure in the second heatup phase of a LOCA. (KFK – 2435) 358191
Raes, K.H.
Investigation of the dynamic behaviour of detectors for gas bubbles in sodium flows. 370704
Raether, H.
Anisotropy of the excitation probability of electron energy losses in silicon. 356045
Raetz, E.
Status of the Urenco/Centec centrifuge project and advantages of the process. 367842
Raetzsch, W.
A process for the preparation of uranium dioxide particles by deposition in a fluidized bed. 365193
Raevskaya, M.V.
Studying lattice period changes in ruthenium base ternary solid solution using experiment mathematical planning method. 349429
Rafal'skij, R.P.
Experimental investigation of phase relations in the system uranium-oxygen (UOsub(2,5)-UOsub(2,6)) in aqueous medium at temperatures 150 to 350 deg C. 349651
Rafalovich, D.M.
Influence of glow discharge treatment of steel in argon on the adhesion of lead-zinc and lead-cadmium coatings. 349424
Rafalska, E.
Investigation of the neutron detection statistics in fast critical assembly BFS-24-1. 355243
Rafelski, J.
Bose condensation in supercritical external fields – Charged condensates. 375117
Interpretation of external fields as temperature. 355808
Thomas Fermi model of finite nuclei. 361962
Virial theorem and stability of localized solutions of relativistic classical interacting fields. 371425
Raff, L.M.
Classical trajectory methods in molecular collisions. 361386
Raff, S.
Sample calculations on fuel rod behaviour during a LOCA with the code system SSYST-MOD 1. 373845
Raffaelli, J.C.
4.7s nearly periodic oscillations superimposed on the solar microwave great burst of 28 March 1976. 356266
Raffy, Helene
Critical currents in multilayered superconducting films. 349050
Rafizadeh, M.
Chromatographic separations of the rare earth. 349167
Raft, P.D.
Measurements of cosmic-ray charged particle ionization and flux densities in the atmosphere. (HASL – 324) 361713
Rafter, T.A.
Radiocarbon enrichment of soil organic matter fractions in New Zealand soils. 351928
Ragaini, R.C.
Trace-element emissions from western U.S. coal-fired power plants. 375337
Ragan
Tritium production from ^{6}Li(n,α) and ^{7}Li(n,n'α) reactions. (BNL-NCS – 22500) 356863
Ragan, C.E.
Double-differential beryllium neutron cross sections at incident neutron energies of 5.9, 10.1, and 14.2 MeV. 372739
Performance of electrical contact pins near a nuclear explosion. (LA – 6946-MS) 367939
Ragan, C.E. III
Equation-of-state experiments in the pressure region near 20 megabars. (LA-UR – 77-1900) 357316
Ragan, G.L.
Reactivity from power spectral density measurements with ^{252}Cf. (ORNL/TM – 5475) 358296
Ragan, H.A.
Absorption of plutonium in the iron-deficient rat. (BNWL – 2100(Pt.1)) 360334
Bone tumors induced by inhalation of $^{238}PuO_2$ in dogs. 365453
Common tumors and lesions in control miniature swine fed ^{90}Sr daily. (BNWL – 2100(Pt.1)) 360335
Hematologic effects of $^{239}PuO_2$ in rats. (BNWL – 2100(Pt.1)) 360332
Improved gradient for isolation of dog lymphocytes and subsequent quantitation of T-cell rosettes. (BNWL – 2100(Pt.1)) 360333
Inhaled plutonium nitrate in dogs. (BNWL – 2100(Pt.1)) 360311
Ragazzoni, Jl.
A cryogenic neutron polarization filter. 361084
Rager, H.
Electron spin resonance of trivalent chromium in forsterite, Mg_2SiO_4. 364097
Rager, J.P.
The dense plasma focus – a high intensity neutron source. 353519
Raghava Rao, K.V.
Exploration techniques for ground water – proceedings of a workshop organised by COSTED. 375964
Raghavaiah, K.
Utilization of palmitic acid-1-^{14}C in active and aestivated garden snail Cryptozona ligulata Ferrusac. 367637
Raghavan, M.
Precipitation in a Cu – 30% – Ni – 1% – Nb. 359975
Raghavan, M.S.S.
Interconnected grid operations – Tarapur's experience. 379639
Raghavan, N.
Medium resolution EUV observations and network structure. 366740
Raghavan, R.V.
Status of thorium technology. 365267
Raghavan, V.
Superconducting niobium stannide. 366806
Raghavendra, A.S.
Kranz leaf anatomy and C_4 dicarboxylic acid pathway of photosynthesis in Spinifex squarrosus L. 367638
Raghavendran, C.P.
Random sampling technique for choosing scattering angles from arbitrary angular distributions in dosimetric and shielding computations. 361912
Raghu, K.
Conversion of the fungicide, ziram in rice plants. 349851
Metabolism of labelled ziram in groundnut plants and its microbiological degradation. 379158
Note on insecticide residue problems of edible seeds and oils in India. 379166
Radiotracer study of the fate and persistence of organic fungicides used as seed dressing on grain. Part of a coordinated programme of isotopic tracer aided studies of foreign chemical residues in food. (IAEA-R – 1188-F) 357667
Raghunath, B.
Scintiphotography of lungs with dry aerosol – generation and delivery system: concise communication. 373666
Ragiadakos, C.
A gauge model with eight quarks. (CRN-HE – 77-13) 369327
Ragimova, Z.B.
Investigation of complexing in metal (titanium(3,4), molybdenum(5), niobium(5), tantalum(5), vanadium(2)) – rhodanide – amine system. (INIS-mf – 4192) 375380
Ragnarsson, I.
Nucleon binding in nuclei at high angular momentum. 369415
The particle-cluster vibration and the particle-asymmetric rotor description of ^{193}Au. (ZfK – 336) 364830
The potential energy surfaces and the nuclear deformations of odd-mass Tl, Au, Ir and Re isotopes. (ZfK – 336) 364833
Search for the yrast traps in neutron deficient rare earth nuclei. 354054
Shell structure in deformed nuclei. 377936
Spherical and deformed descriptions of the $9/2_1^-$ level. (ZfK – 336) 364763
Ragnhult, I.
Hyperparathyroidism in persons treated with x-rays for tuberculous cervical adenitis. 367538
Raguraman, D.
Use of chemical tracers for gauging and dispersion studies. 367408
Ragusa, S.
Derivation of Bazanski's Lagrangian in a Lorentz covariant theory of gravitation. 350500
Rahalkar, A.D.
Human serum albumin microspheres for lung imaging. 373029
Rahm, D.C.
The cross section for the production of massive electron pairs and the UPSILON(9.5 GeV) in proton-proton collisions at the CERN ISR. 369367
Study of photons produced simultaneously with the J/psi particles at the CERN Intersecting Storage Rings. 377794
Rahman, A.
Regional fuel cycle centres for South and South-East Asia. 368408
Rahman, K.N.
Public acceptance of nuclear technology in the developing countries. 352282
Rahman, M.
Determination of serum thyroxine level in goats by competitive protein binding. 352126
Nuclear fuel cycle in Iran: the need for technology transfer. 352912
Transfer of radioisotope production technology from the developed to the developing countries. 352342

Rahman, N.P.
Evaluation of crosslinking and scission yields in the degradation of polystyrene by γ-irradiation in air. 378538
Evidence of crosslinking and chain scission in the degradation of poly(tert-butyl crotonate) by γ-irradiation. 373073
Rahman, R.
Fractional and whole body mutation in Drosophila melanogaster : effect of mitomycin-c and X-ray. 349823
Rahn, H.
Costal osteoradionecrosis as rare complication in conventional deep therapy of mamma carcinoma. 354820
Rahn, L.A.
Raman scattering from ion-implanted silicon carbide. 370208
Rahnema, F.
HTGR fuel failure in the absence of core cooling. 352283
Rahner, T.
Long-term side effects in irradiated patients with Hodgkin's disease. 367536
Rai, D.
Plutonium activities in soil solutions and the stability and formation of selected plutonium minerals. 365293
Rai, D.B.
Increase in γ-ray flux at balloon altitude during magnetic disturbances. (INIS-mf – 4115) 365328
Rai, D.K.
Electron-impact excitation of H and He. 374641
Rai, R.C.
Crystal equilibrium and lattice dynamics of chromium and vanadium. 370030
Rai, S.
New L emission lines of samarium. 371527
Raich, D.
Coulomb excitation experiments in ^{148}Sm, ^{150}Sm, ^{152}Sm, and ^{154}Sm. (ANL – 77-60) 378062
Raich, D.G.
Coupled-channel α-decay theory for odd-mass nuclei: ^{253}Es and ^{255}Fm. 366957
Raider, S.I.
Integrated semiconductor configuration and method for its production. (German (F.R.) patent document 2639465/A/) 365220
Raikar, U.
Computers. A perspective on their usefulness in nuclear medicine. 355696
Raikar, U.R.
Scintiphotography of lungs with dry aerosol – generation and delivery system: concise communication. 373666
Raiko, V.I.
Thermoionization efficiency in the ion source cavity. 355071
Raile, M.N.
Decommissioning of Division of Military Application equipment at Hanford. Summary report. (ARH-ST – 141) 366071
Rainaldi, G.
Induction of sister chromatid exchanges in xeroderma pigmentosum cells after exposure to ultraviolet light. 354754
Rainbow, M.T.
The calculation of angular neutron spectra from the thick target Li(p,n) source. (AAEC/E – 424) 362093
Evaluation of group inelastic cross sections using a pulsed integral method. (INIS-mf – 4043) 367002
Raine, A.C.
Some aspects of the mass transfer behavior in sodium of steels of interest to the UK Fast Reactor Programme. (CONF-760503 – P2) 352783
Raine, R.
Exposure to radiation of the personnel during preparation and application of radiopharmaceuticals. (INIS-mf – 4010) 370651
Rainer, D.
Small objects in superfluid ^{3}He. (HU-TFT – 77-4) 364098
Rainer, F.
Performance of Argus as a laser fusion facility. (UCRL – 79816) 368994
Rainer, R.H.
Safeguards agreements – Their legal and conceptual basis. 371303
Raines, W.L.
Distribution of fission yields for fission spectrum neutron-induced fission of uranium-238. 372763
Rainey, P.
Modification of L-isoleucyl-tRNA synthetase with L-isoleucyl-bromomethyl ketone. 360398
Rainey, R.H.
Preliminary analysis of alternative fuel cycles for proliferation evaluation. (ORNL/TM – 6036) 371280
Rainey, W.T. Jr.
In-line monitoring of effluents from high-temperature gas-cooled reactor fuel particle preparation processes by mass spectrometry. 370975
Rainford, B.D.
Magnetic phase transitions of CeSb: results of structure refinements. (RISO – 369) 368777
Neutron scattering from paramagnetic cerium. 378713
Rainville, M.H.
A study of the irradiation behaviour of Zr_3Al. 357418
Rainwater, J.
Background for the spheroidal nuclear model proposal. 366954
Extraction system of the Nevis Synchrocyclotron. 363209
Rais, J.
Radioanalytical determination of strontium by the method of concentration dependent distribution using solvent extraction in the presence of EDTA. (INIS-mf – 3849) 378139
Raisic, N.
Heat utilization from nuclear reactors for desalting of sea water. 361146
Raith, W.
Field emission of monoenergetic spin-polarized electrons. 353402
Operating experience with the polarized electron gun at SLAC. 363130
Raither, S.
Electroproduction of phi mesons. 359337
Raj Pal Singh
Synthesis and ion-exchange properties of cerium(IV) molybdate. 367132
Raj, P.
Spin orientation in Fe_2As by Moessbauer effect. 366451
Raja Mohan, C.
Civil nuclear power : technological and socio-political risks. 376850
Raja, R.
Estimation of the annihilation component in p-barp interactions. 351191
Tests of factorization from single- and double-pion production in 100-GeV/c p-antip and pp collisions. 351230
Rajagopalan, K.R.
Curve stripping of the third phase of the renogram in essential hypertension. 373622
Rajagopalan, M.
Radiochemical investigation of the mass distribution and probability in stopped μ^- induced fission of ^{238}U. 372700
Rajakovics, G.
Thermal power plant. (German (F.R.) patent document 2419687/A/) 374193
Rajakovics, G.E.
Corrosion of stainless steels by high temperature, low oxygen alkali metals. (CONF-760503 – P2) 352777
Rajalakshmi, M
Changes in incorporation of ^{3}H-uridine into RNA and ^{3}H-phenylalanine into protein in epididymis, ductus deferns and ventral deferns and ventral prostate of intact albino rat during postnatal development. 367642
Rajalakshmi, M.
Metabolism of ^{3}H-testosterone in epididymis and accessory glands of reproduction in the castrate hamster Mesocricetus auratus. 367615
Rajan, M.V.
Operational experience and developmental activities in waste management at Trombay. 358500
Rajaram, G.
Equatorial electron densities – seasonal and solar cycle changes. 373470
Rajaram, K.P.
Pesticide-soil microflora interactions in flooded rice soils. 379168
Rajaram, R.K.
Preliminary crystallographic data of manganous uranyl acetate hexahydrate. 348840
Rajaram, T.V.
Constraints in the application of isotope techniques in ports located along open coast line – case study of radioactive tracer studies done for Visakhapatnam Outer Harbour. 367405
Rajchert, A.
Investigations of the mechanism of occurrence of oxide scales on copper and its alloys with zinc using the isotope of oxygen ^{18}O. 357184
Rajci, T.
Effect of changes of nuclear power plants characteristics on nuclear power development in Czechoslovakia. (INIS-mf – 4054) 368150
Raje, R.B.
Spectrophotometric estimation of vanadium (V) with 2-2'-diamino-diphenyl-disulphide. 367051
Raje, Suneetha
Effect of irradiated medium on growth and synthesis of macromolecules in germinating spores of B. Subtilis. 367461
Rajec, P.
Solvent extraction of technetium complexes with thiourea. (INIS-mf – 3849) 378485
Technetate separation from fission products by solvent extraction with CCl_4 solution of tri – n – octyl amine. (INIS-mf – 3849) 378477
Rajendran, R.
Integrated planning for a fuel industry, with emphasis on the minimum size appropriate for fabricating one's own fuel. 365829
Rajeshirke, D.S.
Direct spectrophotometric estimation of cadmium. 375349
Rajgopalan, K.S.
Mixing lenqth for qauging flows using radioisotopes. 367406
Rajla, R.E.
Microprocessor: controlled inhalation exposure system. (LF – 56) 365713
Rajlyan, V.Ya.
Optical absorption of $ZnIn_2S_4$ monocrystals. 348839
Rajnak, K.
Correlation of isotope shifts with vertical-bar psi (0) vertical-bar ^{2} for actinide configurations. 358809
Parametric energy level analysis of Ho^{3+}: $LaCl_3$. 360040
Rydberg series in the lanthanides and actinides observed by stepwise laser excitation. (UCRL – 79521) 361406
Rajpoot, S.
Dilepton production in pp and anti pp collisions as a probe to the nature of the neutral current interaction. 372460
Natural left-right symmetry, atomic parity experiments and asymmetries in high energy e^+e^- collisions in PETRA and PEP

regions. 361839
Rajtova, V.
Influence of ionizing radiation on the formation of chondrocranium in merino-sheep. 2. 376107
Raju, A.
Human serum albumin microspheres for lung imaging. 373029
Raju, C.C.
Lee model with 3V particles. 359311
Raju, M.R.
Biopsy examination during the course of radiotherapy. Progress report. (LA – 7079-PR) 379150
Rakhecha, V.C.
Reduced A-site moment in Fe_3O_4. 366452
Rakhimov, R.
Electron emission from metal-film systems under the atomic particle bombardment. (INIS-mf – 3996) 364099
Rakhmad, Mulyadi
Environmental monitoring. (PPGM – L114-76) 365613
Rakhmanina, O.N.
Radiomimetic-induced changes in the lymphoid population of the bone marrow. 362657
Rakhmanina, T.F.
On the mechanism of regulation of the catalase synthesis rate in the rat liver in the course of acute radiation disease. 379024
Rakhmanov, A.
Activation cross-sections of nuclear reactions leading to oxygen-14 radioisotope. 349146
Rakhmanov, N.S.
Effect of preparation technology and deformation conditions on the plasticity of alloy ZhS6KP nigots. 351799
Study on thermal treatment regime effect on the phase content of heat resisting alloys. 375880
Rakhmetov, B.A.
Rhenium extraction from zinc-cadmium solutions at the Chimkent lead plant hydroshop. 351709
Rakintzis, N.T.
Radiolysis of aqueous solutions of a Cu(II) complex with a macrocyclic ligand. Redox reactivity towards various short-lived radicals compared to other redox reagents. 365072
Rakipov, D.F.
The extraction of zink-zirconium compositions from under the salt melt layer. 372961
Impulsive electrolysis of zirconium-containing chloride-fluoride melt with bismuth cathode and soluble zirconium anode. (INIS-mf – 4189) 375457
The method of zinc-zirconium composite electrolytic preparation. (Soviet patent document 449994/A/) 359870
Pulsed electrodeposition of zirconium on liquid bismuth. 375765
Rakitin, Yu.V.
Synthesis and magnetic properties of the vanadium carboxylate complexes. 369621
Rakitskaya, T.L.
Effect of electrolytes of the rate of iodine (5) reduction with phosphine. 378249
Reduction of iodate-ion by phosphine catalyzed by molybdenum (6). 369617
Rakitskij, A.N.
On formation of protective barrier layer during high temperature oxidation of Cr-0,5La alloy. 349305
Rakivnenko, Yu.N.
Internal conversion electrons from sup(188m)Ir decay. (KFTI – 75-15) 362097
Isomeric ratio in the $^{197}Au(p,n)^{197}Hg$ reaction and a superconductivity model. (KFTI – 75-15) 359524
Rakoch, A.G.
Polarization effects following electric current action on the system of metal-oxide film (solid electrolyte). (INIS-mf – 4189) 375532
Rakov, N.A.
Basic prerequisites and the practice of using deep water tables for burying liquid radioactive wastes. (ORNL-tr – 4390) 361128
On the necessity for evaluation of the limits of radioactive waste disposal into water systems of international importance. 368394
Principal prerequisites and practice for using deep aquifers for disposal of liquid radioactive wastes. 368406
Rakov, S.I.
Effect of temperature on adhesion interaction of polycrystallic diamond and elboron contacting with metals. 365177
Rakova, V.A.
Effect of the depth-distribution of basal cells on their survival after the skin irradiation with β-particles of varying energy. 360270
Rakovic, D.
Electron correlations in photoabsorption for beryllium isoelectronic sequence. 377102
Rakovskij, Eh.V.
Fire-assay determination of small amounts of gold in mineral raw materials. 378136
Ral'chenko, V.I.
On the structure of an active complex in $POCl_3$-$SnCl_4$-Nd^{3+}. 368669
Physicochemical and spectral investigations into neodymium complexing in the $NdCl_3$ – $AlCl_3$ system. 349268
Spectral-luminescent characteristics of Nd^{3+} in the $LaCl_3$-$NdCl_3$ system. (INIS-mf – 3955) 362169
Spectral-luminescent investigations of MeCl-$AlCl_3$-$NdCl_3$ systems (M = K, Cs). (INIS-mf – 3955) 362377
Raleigh, J.A.
Report on international conference on singlet oxygen and related species in chemistry and biology. 362283
Ralls, K.M.
Methods of calculating composition changes in neutron-irradiated materials. Erratum. 365237
Ram, M.
Measure of the relative local perfusion during the bone scintigraphy. (INIS-mf – 4010) 370491
Rama Das, V.S.
Kranz leaf anatomy and C_4 dicarboxylic acid pathway of photosynthesis in Spinifex squarrosus L. 367638
Rama Rao, K.
Cacotheline as a reagent in the detection of iron(II and III), vanadium(II and III), copper(I and II) and sulphite. 349173
Rama Rao, S.
Growth regulator induced mobilization of ^{14}C-metabolites into sunflower heads. 373729
Rama Reddy, K.
Analysis of the localized mode effects in Moessbauer resonance. 366418
Ramachandra Rao, D.
Fluorescence and lifetime studies of Ho^{3+}: caF_2. 371508
High temperature fluorescence of Dy^{3+}: LaF_3 single crystal: emission from G-level. 371532
Ramachandran Nair, P.V.
Application of carbon isotope technique in fishery research in the seas around India. 349814
Standardization and intercalibration trials with ^{14}C isotope. 352348
Ramachandran, K.
Effect of gamma-irradiation on nucleic acids, proteins, respiration and phosphatase activity of carrot callus cultures. 376089
Ramachandran, R.
Fabrication and post-irradiation examination of a zircaloy-2 clad UO_2-1.5 wt% PuO_2 fuel pin irradiated in PWL, CIRUS. (BARC – 918) 374178
Magnetic monopole and close relatives. 366293
Monopole theories with strings and their applications to meson states. 353036
Monopole-antimonopole bound state. 348600
Ramachandran, S.
Management of highly active decladding Zircaloy solid wastes from a fuel reprocessing plant. 358468
Ramadan, B.
Design of gravitational antennae for use at 3 mdegreeK. 352833
Ramadhyani, S.
Analysis of melting in the presence of natural convection in the melt region. 368881
Ramakaeva, R.F.
Investigation of peculiarities of injection of rare earth ions into crystals with garnet structure. (INIS-mf – 3955) 364931
Ramakrishna, V.V.
Aqueous coordination complexes of neptunium. (BARC – 907) 375653
Sulphate complexing of some trivalent actinides. 369760
Thiocyanate complexing of Np(IV) and Pu(III). 375654
Ramakrishnan, L.
Complexes of lanthanide iodides with 4-methyl-pyridine-1-oxide and 2-methylpyridine-1-oxide. 349281
Ramakumar, M.S.
Fabrication and post-irradiation examination of a zircaloy-2 clad UO_2-1.5 wt% PuO_2 fuel pin irradiated in PWL, CIRUS. (BARC – 918) 374178
Ramalingam, K.
Radioactive tracer study for Sethusamudram Ship Canal Project. 367407
Ramalingeswara Sarma, P.
Beta spectrum of ^{143}Ce. 349151
Ramamoorthy, N.
Consideration of the 'carrier-free' state of generator produced sup(113m)In and sup(115m)In. 349330
Ramamurthi, R.
Utilization of palmitic acid-1-^{14}C in active and aestivated garden snail Cryptozona ligulata Ferrusac. 367637
Raman, M.P.S.
Application of isotope techniques for water resources, water pollution and civil engineering investiqations – a few case studies. 367396
Raman, S.
Coulomb excitation of 2^+ and 3^- states in ^{192}Pt and ^{194}Pt. 359519
Fine structure of the magnetic dipole giant resonance in ^{208}Pb. 359517
Resonance neutron capture gamma-ray studies of levels in ^{145}Nd. 364808
Raman, V.
Use of chemical tracers for gauging and dispersion studies. 367408
Ramana Rao, V.V.
Effect of sudden suction on the hydromagnetic natural convection from a vertical plate. 350772
Ramanand, A.
Anderson-Grueneisen parameter delta, bulk modulus and the compression curves of rhenium. 370032
Ramanandham, M.
Annual report of the Neutron Physics Section : period ending December 1976. (BARC – 937) 371621
Ramanathan, D.
Study of tungsten – water and copper – water reactions by field emission microscopy. 370031
Ramanathan, G.
Performance of silver metaphosphate glass as dosimeter at elevated temperatures. 376259
Ramanathan, K.R.
Isotope techniques in groundwater hydrology. 370264

Ramanathan, N.
Activity report 1975. (RRC – 19) 376403
Ramanathan, R.
Possibility of large T-violation in certain pure leptonic scattering processes. 368582
Ramanauskas, Eh.I.
Determination of iodides with triphenylmethane dyes using multiplication reactions. (INIS-mf – 4191) 375390
Fluorimetric determination of iodides with xanthene dyes. (INIS-mf – 4191) 375323
Ramani, K.S.
Studies on inorganic exchangers – ammonium phosphomolybdate (AMP) and ammonium phosphotungstate (APW). (BARC – 893) 375649
Ramani, M.P.S.
Nuclear industry – challenges in chemical engineering. (INIS-mf – 4166) 375789
Nuclear-powered agro-industrial complexes for optimum energy utilisation. 350412
Operational experience and developmental activities in waste management at Trombay. 358500
Ramaniah, M.V.
Aqueous coordination complexes of neptunium. (BARC – 907) 375653
Kinetic energy distributions in the reactor neutron fission of ^{232}U and thermal neutron fission of ^{241}Pu and ^{245}Cm. 359518
Setting up of a facility for the recovery and storage of californium-252 from a capsule. (BARC – 905) 373012
Ramanna, R.
Cooperation in research and development. 352592
Inevitability of atomic energy in India's power programme. (INIS-mf – 4158) 376805
MHD power generation – a technology of future. 374991
Ramanujam, P.S.
Direct measurement of radiative lifetimes of excited states in refractory-metal atoms using a sputtering technique. 371528
Ramasamy, S.
Study of C centres in NaCl by positron angular correlation. 366445
Ramasastry, C.
ESR of NH_3^+ in x-irradiated rubidium and caesium sulphate crystals. 366453
Ramaseshan, S.
Semiconducting ytterbium at high temperatures. 357332
Ramaswami, A.
Kinetic energy distributions in the reactor neutron fission of ^{232}U and thermal neutron fission of ^{241}Pu and ^{245}Cm. 359518
Setting up of a facility for the recovery and storage of californium-252 from a capsule. (BARC – 905) 373012
Ramaswamy, M.
Separation and recovery of long-lived fission products on inorganic exchangers. Part II : separation of cesium on ferrocyanide molybdate. (BARC – 888) 375750
Ramaty, R.
Backscatter of hard x-rays in the solar atmosphere. (N – 77 – 18984) 350979
X-ray and gamma-ray line production by nonthermal ions. (N – 77-27061) 377595
Ramavataram, K.
Few body problems in nuclear and particle physics. 361825, 361993
Ramayya, A.V.
Coulomb excitation of 2^+ and 3^- states in ^{192}Pt and ^{194}Pt. 359519
Isomeric trapping following Coulomb excitation of high spin states in ^{178} ^{180}Hf. (ZfK – 336) 364780
Ramazanov, P.E.
Determination of parameters of deep centers in the region of a space charge of CdS-GaAs heterojunctions from temperature dependence of capacity – rate variation. 348814
Photoelectrical properties of CdS-GaAs heterojunctions. 348816
Photosensitive diodes based on CdS n-GaAs heterojunctions. 348815
Ramazashvili, R.R.
Stimulated raman scattering and penetration of an electromagnetic wave into an inhomogeneous plasma. 368950
Rambaldi, G.
Some notes on the crystal chemistry of rare earths ternary intermetallic compounds. 362430
Rambidi, N.G.
Ab initio calculations of potential surfaces and geometry of non-rigid molecules. 356996
Elastic scattering of fast electrons by highly polar molecules. 361344
Rambo, J.T.
Containment analysis for the simultaneous detonation of two nuclear explosives. (UCRL – 52268) 363120
Ramesh, B.
Gamma ray induced rice plants with 26 chromosomes. 376163
Ramesh, T.G.
Semiconducting ytterbium at high temperatures. 357332
Ramette, J.
Experimental study of the profiles of the Hsub(β) and HeI 4^3D, ^3F-2^3P spectral lines broadened by Stark or Stark-Zeeman effect. (EUR-CEA-FC – 904) 353619
Ramford, L.C.
Uranium. 357493
Ramirez, J.
The nuclear deformation of ^{148}, ^{15}+H0, ^{152}, ^{154}Sm determined from neutron scattering measurement. (INIS-mf – 3897) 356876
Ramirez, J.J.
Neutron diagnostic system for particle beam fusion experiments. (SAND – 77-0916) 350926
Pulsed power applications to intense neutron source development. 355203
Ramirez, M.M.
The influence of reactant structure on reactivity and isotope effects in the cracking of alkylbenzenes over an acid catalyst. 367066
Ramlau, C.
Radiotherapy of basal-cell carcinoma of the skin at the province Oncological Hospital in Poznan in the years 1953-1959. 354819
Ramler, W.J.
Procedure and design for irradiating surfaces by UV-light. (German (F.R.) patent document 2624224/A/) 355112
UV emitter with swingable closures. (German (F.R.) patent document 2623020/A/) 365659
Ramm, H.
Combined forced and free laminar convection in verticale rod bundles with longitudinal flow. 371045
Ramon, E.
Radioimmunoassay for lutenizing hormone. (IA – 1338) 365495
Ramonajte, S.P.
Spectrophotometric determination of zirconium with morin in silicates. 372882
7,8- ethylene dioxyflavanol-new reagent for spectrophotometric determination of zirconium (4). (INIS-mf – 4191) 375292
Ramond, P.
Is there an exceptional group in your future. E_7 and the travails of the symmetry breaking. 353890
Ramos-Salas, J.S.
Nonlinear interactions of relativistic electrons and radiation in matter. A new type of electron photon scattering. 364546
Ramos Salvador, L.
Spanish programme for disposal of radioactive wastes. 368402
Ramos, A.S.
Optical absorption spectra of natural smoky quartz. 350768
Ramos, J.
Comparative CAT and radionuclide studies in brain exploration. (INIS-mf – 4010) 362804
Ramos, M.
The diagnosis of myocardial infarction and ischaemia using sup(99m)Tc and ^{201}Tl. (INIS-mf – 4010) 362805
A new acquisition program for radiocardiographic function analysis with gamma camera and computer. (INIS-mf – 4010) 363584
On the technique of selective double-isotope coronary scintigraphy with ^{99}sup(m)Tc- and ^{111}In-HSA-microspheres. 349810
Use of gradient scintigraphy in cardiology. (INIS-mf – 4010) 362830
Ramponi, G.
Wave absorption near the electron cyclotron frequency. (EUR-CEA-FC – 912) 358941
Ramqvist, L.H.
Method of multistage production of technologically pure metals. (Czechoslovak patent document 156434/B/) 369881
Ramsay, D.
Alternatives to thin film carbon foils for use in stripping heavy ion beams. (LA – 6850-C) 370763
Thick targets for in-beam hyperfine structure study. (LA – 6850-C) 370761
Ramsay, D.A.
Introduction to molecular spectroscopy. 361387
Laser excitation of optical spectra. 361388
Ramsden, D.
Assessments of risk following the inhalation of plutonium oxide using observed lung clearance patterns. (AEEW-R – 1118) 370407
Low energy γ-ray observation of NGC4151. 359075
Ultrasonic measurements of chest wall thickness. 360543
Ramsden, D.B.
Improved radioimmunoelectrophoretic assay of human serum thyroxine-binding globulin. 354929
Ramsey, L.W.
Observational study of the physical conditions in red giant atmospheres. 351068
Observed departures from LTE ionization equilibrium in late-type giants. 359151
Ramsey, N.F.
A new measurement of the magnetic moment of the neutron. 361886
Ramspott, L.D.
Movement of radioactivity deposited underground at the U.S. ERDA Nevada Test Site. (UCRL – 78670) 349617, 352869
Rana, S.
Methods of measuring and evaluating data from the R3E 100 mm dia. experimental fuel element. 350247
Ranada, A.F.
S wave kinks of the Dirac-Weyl equation. 374582
Ranc, R.
Fabrication and irradiation performance of French HTGR fuel. 368178
Rancitelli, L.
The cosmic ray record in the San Juan Capistrano meteorite. 374906
Rancitelli, L.A.
Fast-neutron sputtering of niobium. 358950
Fusion-neutron-induced nuclear recoil emission probabilities. 358951
Leaching of radionuclides from neutron-activated talc in serum and in dilute hydrochloric acid. 376144
Multielement analysis by sequential instrumental and radiochemical neutron activation. 372893
Rand McNally, J. Jr.
D-^{3}He as a "clean" fusion reactor. 371995

Randa, J.
Tensor meson couplings and other results in restricted SU(4). 356457
Randa, Z.
Excitation functions and yields of the (d,p) reactions on natural molybdenum for deuteron energies less than 13 MeV. 369506
Randall, C.
Light absorption and scattering mechanisms in laser fusion plasmas. (UCRL – 80153) 377341
Rander, J.
A detector for high-energy neutrino interactions. 379899
Is there a high-y anomaly in antineutrino interactions. 351222
Like-sign dimuon events produced in narrow-band neutrino and antineutrino beams. 356512
Measurement of the neutral to charged current cross section ratio in neutrino and antineutrino interactions. 361888
Observation of a neutrino event with four energetic muons. 372525
Observation of trimuon events produced in neutrino and antineutrino interactions. 356511
Study of inclusive neutral current interactions of neutrinos and antineutrinos. 369377
Randers, G.
Concepts of nuclear quality assurance. 376443
Randerson, D.
Verification of some numerical models for operationally predicting mesoscale winds aloft. 360190
Randich, E.
Coating of metals with titanium diboride by chemical vapor deposition. (SAND – 77-0363C) 351841
Randl, R.P.
Waste management in the Federal Republic of Germany. A survey of policy and research and development. 368360
Randolph, D.H.
Solid-phase radioimmunoassay for the detection of antibodies to myelin basic protein. 362831
Randrup, J.
Classical theory for one-body nuclear dynamics. 356617
Proximity forces. 359381
Some aspects of macroscopic nuclear dynamics. 356651
Ranfagni, A.
WKB approximation in multidimensional problems. 353140
Ranft, G.
Particle spectra and correlations at large transverse momentum. 351192
Ranft, J.
Hadron production at large transverse momentum and QCD. 353786
Particle spectra and correlations at large transverse momentum. 351192
Rangacharyulu, M.
^{79}Br NQR zeeman effect in 1-bromo-2, 4-dinitrobenzene. 371668
Rangan, L.K.
High-mass K* production in K⁺d interactions at 9 GeV/c. 372509
Ranganathaiah, C.
Photoelectric cross sections for 323 keV gamma rays in Cu, Zr, Ag, Sn, Ta, Au, and Pb. 359361
Ranganathan, S.
The microstructures of ordered alloys. 378722
Rangarajan, C.
The application of least squares analysis for the estimation of low atmospheric concentrations of short-lived radon daughters and studies on their disequilibrium. 354718
Rangarajan, G.K.
Sector polarity of IMF and annual variation in occurrence of quiet and disturbed intervals. 373454
Rangarajan, J.
A polarographic study of methionine complexes of cadmium and indium. 367115
Polarographic study of methionine complexes of cadmium in mixed solvents. 367116
Rangelov, B.
Effect of 2, 4, 5-T on photosynthesis and ^{14}C-assimilates transport. 367472
Rangelov, J.
Two-fluid model of the superconductivity in the BCS's theory. (JINR-E – 17-10557) 374766
Rango, C. de
Uranium(IV)-crown-ether complexes and cryptates. 373004
Rani, N.
Phonon dispersion in thorium: a pseudopotential approach. 373283
Ranicar, A.S.O.
Measurement of total body calcium in bone disease. 369574
Ranieri, M.
Short time transient periodicities from Cyg X-1. (CONF-7510169 –) 364272
Raninovici, E.
On the bare pomeron graph in two-dimensional QCD. 353796
Ranjard, F.
A detector for high-energy neutrino interactions. 379899
Measurement of the neutral to charged current cross section ratio in neutrino and antineutrino interactions. 361888
Observation of a neutrino event with four energetic muons. 372525
Observation of trimuon events produced in neutrino and antineutrino interactions. 356511
Study of inclusive neutral current interactions of neutrinos and antineutrinos. 369377
Ranjbar, F.
Cd II excitation in slow He*-Cd and He*$_2$-Cd collisions. 350670
Ranjhan, S.K.
Influence of type of ration on the growth rate and carcass quality of young goat. 352112
Rank, G.
X-ray barrier type 25112 product analyzer – an important means for rationalizing agricultur production. 373962
Ranken, W.A.
Neutron-irradiation damage in stabilized ZrO_2. 357408
Rankin, D.T.
Preparation and characterization of oxalate-based $^{237}NpO_2$ powder. 362307
Reproducible fabrication of PuO_2 fuel. 362507
Rankin, G.
Time resolved x-ray photography of a dense plasma focus. 356094
Rankin, W.L.
Nuclear power and the public: analysis of collected survey research. (PNL – 2430) 379611
Rankin, W.N.
Compatibility testing of vitrified waste forms. (DP-MS – 77-115) 380067
Rannev, N.V.
Crystal structure and physicochemical properties of $SrB_{12}H_{12}x7H_2O$. 349298
Rannie, G.H.
Estimation of the migration of thoracic duct lymphocytes to non-lymphoid tissues. 365457
An experimental comparison of radioactive labels with potential application to lymphocyte migration studies in patients. 365473
Ranson, P.
Temperature measurement of heavy particles in an argon plasma jet under pressure. 353620
Rant, J.
Alpha and fission autoradiography of uranium rods. 378797
Ranta, H.
Correlated electron precipitation and magnetic IPDP events near the plasmapause. 367431
Rantsev-Kartinov, V.A.
X-ray spectra and impurity concentration in the T-10 tokamak. (INIS-mf – 3963) 371751
Ranyuk, A.I.
Energy spectra of excited atoms produced by electron impact dissociation of H_2 and D_2 molecules. 368692
Kinetic energy distributions of excited H and D atoms produced by electron impact on H_2O and D_2O molecules. 368691
Ranzini, L.
Argonne Code Center: compilation of program abstracts. (ANL – 7411(Suppl.11)) 374513
Rao, A.P.
A study of filament transition sheath from radio observations. 372245
Rao, A.R.
Fat absorption in the chick and other species. 352122
Lipid synthesis in the aorta of chick and other species. 352123
Rao, A.S.
Development of electronics in India. 379559
Effect of helium-ion injection on graphite crystals. 373379
Rao, B.N.
Field-dependent electron mobility in methane-ethane liquid mixtures. 362278
Rao, C.N.R.
Direct lattices imaging of crystals. 368870
Positron annihilation study of the semiconductor to metal transition in Ti_2O_3. 368887
Rao, D.
The visible emission spectrum of diatomic barium iodide. 374635
Rao, D.R.K.
Some features of Pc5 pulsations during a solar cycle. 364395
Rao, G.
Excited states of ^{90}Zr detected in the reaction ^{91}Zr(d,t)^{90}Zr. 354195
Rao, G.N.
Dilute impurity hyperfine fields. 371669
Solvent extraction of uranium(VI) with 4-acyl, 2,4-dihydro 5-methyl 2-phenyl 3H-pyrazol 3-ones. 359682
Rao, G.V.
Experience in acoustic monitoring of pressurized water reactors. 365886
Rao, H.S.
Methods for identification of dynamic systems. 374182
Rao, J.R.
Passage from the fundamental tensor gsub(μv) of the gravitation theory to the field structure gsub(μv) of the unified theories. 353141
Photoelectric interaction around the K edge. 361382
Rao, K.N.
Polymerization of diallyl phtalate in solution by γ-radiation. 373043
Rao, K.R.
Analysis of animal experiments of radiation dependent tumor regression in relation to different parameters. (LA-tr – 77-73A) 379019
Preclinical experiments with the SIN negative pi-meson beam. RBE values for tumour and normal cell systems, and genetic damage studies in the beam peak and plateau regions. 378963
Radiosensitization and radioprotection studies on Ehrlich ascites tumor. Pt. 2. 365395
A simple white beam neutron diffraction technique. 366481
Rao, K.S.
Photoelectric interaction around the K edge. 361382
Rao, K.V.
Wiedemann-Franz ratio of magnetic materials. 373261
Rao, M.
Induction of resistance to bacterial leaf-blight (Xanthomonas oryzae) disease in the high-yielding variety, Vijaya (IR8 x T90).

373725
Structure of a liquid – vapor interface. 363798
The visible emission spectrum of diatomic barium iodide. 374635
Rao, M.H.P.
Experience from the construction and operation of the Tarapur and Rajasthan nuclear power stations. 371003
Rao, M.K.
Nuclear industry – challenges in chemical engineering. (INIS-mf – 4166) 375789
Rao, M.N.
Cosmogenic and radiogenic noble gases in the Dhajala chondrite. 357464
Inelastic scattering of ^{3}He and α particles from ^{124}Sn and $^{122, 124}Te$. 356868
An ionisation wedge for simulation of the solar flare spectrum. 363614
Levels in ^{123}I and ^{125}I from (^{3}He,d) reactions. (IFUSP-P – 109) 363932
Measurement of the mass of ^{123}I. (IFUSP-P – 108) 364723
Neutron pick-up reactions on sup(122,124,126)Te. 351348
Semimicroscopic description of the odd iodine nuclei in the mass region 123 < or = A < or = 133. 351314, 363931
Study of one-proton transfer reactions in tellurium isotopes. 354272
Rao, N.
Static mechanical behavior of composites of metal-matrix B and SiC-coated B fibers. 362515
Rao, N.K.
Charged particle multiplicity in 400 GeV/c p-nucleus interactions in nuclear emulsion. 372498
Rao, P.
Microstructural study of the crystallization of the amorphous alloy $Ni_{40}Fe_{40}P_{14}B_6$. 360002
The visible emission spectrum of diatomic barium iodide. 374635
Rao, P.D.K.
Absorptive corrections to particle production amplitudes. 372476
Rao, P.R.V.
Sulphate complexing of some trivalent actinides. 369760
Thiocyanate complexing of Np(IV) and Pu(III). 375654
Rao, R.R.
Anderson-Grueneisen parameter delta, bulk modulus and the compression curves of rhenium. 370032
Rao, R.S.
Electronic band structure of beryllium and β-cerium. 366454
Rao, S.M.
Flow measurement using radiotracers – turbine efficiency measurements. 367887
On the inadequacy of nucleonic gauges in suspended sediment concentration measurements. 370280
Quantitative aspects of sediment transport studies using radioisotopes. 367403
A simple stable isotope approach to study the effectiveness of artificial recharge from percolation tanks. 367402
Rao, S.P.
Effect of irradiated medium on growth and synthesis of macromolecules in germinating spores of B. Subtilis. 367461
Nonequilibrium evaporation and condensation in liquid-metal fast breeder reactor fuel expansion. 362999
Rao, S.R.
Metabolism of labelled ziram in groundnut plants and its microbiological degradation. 379158
Rao, S.S.
Use of radioisotopes ^{125}I in the study of serum LH levels in cycling buffaloes and its rate of release in buffaloes stimulated with Gn-RH administration. 352104
Rao, T.S.
A radiotracer study of the kinetics of ion exchange reaction, RI + Isup(*-) reversible RIsup(*) + I^-. 375543
Rao, U.J.
Optic-photon-magnetoplasmons at the interface of two polar semiconductors. 366455
Rao, V.R.
Pesticide-soil microflora interactions in flooded rice soils. 379168
Rao, V.R.S.
A non-destructive method for the determination of lanthanum and copper using a low-flux neutron source. 349187
Rao, V.U.S.
Effect of cubic crystal field on the magnetic anisotropy in $HoAl_2$. 362450
Effect of magnetic anisotropy on the heat capacity of $HoAl_2$. 378720
Rao, Y.V.
The scattering constant for multiply charged particles in emulsions. 369384
Some aspects of 400 GeV proton interactions in nuclear emulsions. 366899
Raoufi, A.
The change in electrical resistivity with plastic deformation for niobium. 354534
Rapaport, J.
$^{104, 106}Pd(p,n,\gamma)^{104, 106}Ag$ energy levels. (BNL-NCS – 22500) 356743
Empirical observations about the nucleon optical model potential. 354101
Isospin dependence of experimental nuclear deformations. 351329
Rapeanu, S.
Temperature dependence of the distribution functions in liquid tin. 356000
Rapidis, P.
D meson production and decay in e^+e^- annihilation at 4.03 and 4.41 GeV c.m. energy. 353989
K^0 production in e^+e^- annihilation. 353983
A search for neutral heavy leptons. 356514
Spin analysis of charmed mesons produced in e^+e^- annihilation. 351228
Rapidis, P.A.
Electron-muon and electron-hadron production in e^+e^- collisions. 366879
Properties of the proposed tau charged lepton. 356517
Rapin, D.
A complete experiment for p-p scattering at medium energies. 372584
Measurement of the parameters P, D, R and A for small angle p-p scattering at 390 MeV. 377785
Rapley, C.G.
Bent crystal spectrometer for solar x-ray spectroscopy. 352823
Rapoport, F.E.
Ion exchange method for preparation of tungstophosphoric acid. 369654
Rapoport, L.P.
Two-photon ionization of a hydrogen metastable molecule. 368621
Rapp, A.D.
Study of structure and morphology of the hardening phase in the Nb-Zr-C alloy under long-term action of high temperature and stresses in vacuum. 378655
Rapp, H.
Experimental investigation of the operating characteristic of a plasma focus. (LA-tr – 77-69) 377519
Rapp, Oe.
Superconductivity in noble metal alloys: correlations and predictions. 366805
Rappaport, S.
Observations of X-ray eclipses from LMC X-4. 366722
X-ray determination of the orbital elements of 3U0900-40. (CONF-7510169 –) 364380
Rapparini, R.
Fission and corrosion product activities studied in Italy. (IWGFR – 7) 360992
Raptis, A.C.
Analysis of thermal fluctuations in the semiscale tests to determine flow transit delay times using a transfer function cross-correlation technique. (ANL-CT – 77-17) 362998
Signal analysis method using cross-correlation of turbulence flow signals to determine calibration of permanent magnet sodium flowmeters. (CONF-771023 – 23) 379802
Rasburn, E.J.
On the reaction of hydrated electrons with oxygen. 359803
Rasche, G.
Extended unitarity in hadronic multichannel scattering with Coulomb interactions present. 348612
Rasey, J.S.
Effect of photon irradiation on blood – brain barrier permeability to methotrexate in mice. 373526
Response of EMT-6 tumors to single fractions of x rays and cyclotron neutrons. 365357
Rashevskaya, E.P.
Reflection spectra of Cdsub(x)Hgsub(1-x)Te solid solutions in far-infrared range. 348764
Study of Y_2O_3-SiO_2-SiO_2-Al_2O_3 system. 357061
Rashevskiy, V.P.
Investigation of the capture system without change in injected electron energy. (JINR-R – 9-9139) 355185
Rashid, K.
Application of glass solid state nuclear track detectors in the measurement of charged particle fission cross-section of uranium. 369494
Rashid, M.A.
Eigenvalues of the Casimir operators of the orthogonal and symplectic groups. (IC – 75-137) 361301
Rashidov, K.D.
Janus dyes as reagents on indium. 375338
Rashidov, K.Dzh.
Janus red as reagent for extraction photometric determination of indium. (INIS-mf – 4040) 378153
Rashiduzzaman Khan, M.D.
Question of pure or applied research in developing countries. 352825
Rashkovich, L.N.
Investigation into the Cs_2O-P_2O_5-H_2O and Cs_2O-P_2O_5-D_2O systems in the field of crystallization of monosubstituted cesium orthophosphate at 25 and 50 deg C. 375544
Rasin, I.M.
Calculation of the dose rate in the gastrointestinal tract of the small laboratory animals. 360273
Quantitative – autoradiography determination of the dose rates after Sr^{90} administration to biological objects. 360342
Rasker, J.J.
Subcellular distribution of the tumor-localizing agent ^{57}Co-bleomycin in normal and tumor cells. (INIS-mf – 4010) 357617
Tumor detection with radio-labelled bleomycin, a clinical and animal study. (INIS-mf – 4010) 357650
Rasko, I.
Ultraviolet light induced changes in the organization of mitotic chromosomes in porphyria cutanea tarda. 362633
Rasmussen, D.E.
Microstructure characterizaton of advanced oxide fuel. (HEDL-SA – 1171-FP) 371046
Rasmussen, F.B.
^{3}He melting pressure temperature scale. 359198
Rasmussen, F.V.
Mean transit time of ^{133}Xe in the lungs. (INIS-mf – 4010) 370440

Rasmussen, J.O.
The classical limit S-matrix and orbital dynamics in semi-classical Coulomb excitation theory. 377889
Coupled-channel α-decay theory for odd-mass nuclei: ^{253}Es and ^{255}Fm. 366957
Microscopic calculations of high-spin rotational states. 364700
Rasmussen, N.C.
How safe is nuclear power. 352284
Overview of the nuclear controversy. 373858
Rasmussen, S.E.
The NIMROC samples as reference materials for neutron activation analysis. 372852
Superconductivity of Nb_3Ge_3. 351738
Rasponin, S.P.
Impulsive electrolysis of zirconium-containing chloride-fluoride melt with bismuth cathode and soluble zirconium anode. (INIS-mf – 4189) 375457
Thermodynamic properties of liquid thorium alloys with lead. 378711
Raspopin, S.P.
Density, surface tension and viscosity of melts of uranium trichloride-lithium chloride. 349320, 359727
Density, volumetric properties and surface tension of three-component systems of uranium chlorides with alkali metal chlorides. (INIS-mf – 4193) 375632
The extraction of zink-zirconium compositions from under the salt melt layer. 372961
Interaction of atoms of metals in phases of binary chloride systems. 378311
The interaction of Zn-La, Zn-Al-La molten alloys with salt melted mixtures containing zinc chloride. 375599
The method of zinc-zirconium composite electrolytic preparation. (Soviet patent document 449994/A/) 359870
Pulsed electrodeposition of zirconium on liquid bismuth. 375765
Reaction of zirconium-containing chloride-fluoride melts with liquid zinc-aluminium alloys. (INIS-mf – 4193) 375600
Thermodynamic properties of molten Th-Sn alloys. 373213
Rasskazov, N.A.
Experimental investigation of phase relations in the system uranium-oxygen (UOsub(2,5)-UOsub(2,6)) in aqueous medium at temperatures 150 to 350 deg C. 349651
Rassow, J.
The new SI units in radiological protection. 376213
Rastall, P.
Conservation laws and gravitational radiation. 358678
Rastegaev, B.I.
Study on electric characteristics of a boundary layer on metal surfaces in channels of an open-cycle MHD generator. 377670
Rastogi, B.P.
Reactivity requirements and safety systems for heavy water reactors. 371000
Rastogi, R.G.
Equatorial electron densities – seasonal and solar cycle changes. 373470
Quiet day variation of geometric H-field at low latitudes. 373471
Solar cycle effects on the electric fields in the equatorial ionosphere. 370315
Rastoin, J.
Possibilities of using high-temperature reactors for the production of hydrogen by thermochemical dissociation of water. 379671
Rastorguev, L.N.
Effect of ph value of solution on electrodeposition of ruthenium structure of electrolytic ruthenium films. 357077
Ratajchak, V.
Investigation of ion exchangers with groups of aminoethylphosphonium acids and their derivatives. 378475
Ratas, A.A.
Investigation of electron-hole processes in $YAlO_3$. (INIS-mf – 3955) 362523
Ratay, R.P.
Progress report for the Division of Safeguards and Security: July – December 1976. (MLM – 2429) 353008, 380132
Rath, R.S.
Flow and heat transfer of a viscous fluid about a porous disk rotating with time-variant angular velocity. 356046
Rathje, W.L.
Public acceptance of radioactive wastes disposal: an archaeologist's perspective. (ORP/CSD – 77-2) 374445
Rathjens, G.W.
Nuclear fuel cycle and nuclear proliferation. 374501
Nuclear power and weapons proliferation. 358585
Rathmann, O.
Crystal fields in dilute alloys of rare earths in Sc, Y, and Lu studied by neutron scattering. 359976
Ratigan, J.L.
Design aspects of the alpha repository: IV. Structural analysis of excavation geometries. Technical memorandum report RSI-0030. (ORNL/SUB – 4269/11) 352882
Thermo/viscoelastic analysis of the waste-container sleeve. II. Stress and displacement fields for the room-and-pillar configuration. Technical memorandum report RSI-0021. (ORNL/SUB – 4269/5) 361114
Thermo/viscoelastic analysis of the waste-container sleeve: I. Time-dependent salt loading on the sleeve and closure of the drillhole. Technical memorandum report RSI-0020. (ORNL/SUB – 4269/4) 352871
Ratina, M.A.
Studing ligand dentation by EPR. (INIS-mf – 4192) 375582
Ratke, L.
Correlation studies on flux flow noise of polycrystalline niobium and vanadium foils. 351761
Ratkovic, M.
Determination of some trace elements in different organs of normal rats. 369553
Ratkovskij, A.J.
The interactions of fast molecular-ion beams with matter. (INIS-mf – 3995) 377191
Ratkowski, A.J.
Channeling of positive and negative pions in a silicon crystal. (CONF-770931 – 5) 375092
Ratliff, J.R.
Nuclear inventory and management system (NIMS): a program for nuclear fuels accounting. 352927
Ratnam, V.V.
Phosphorescence in cathode ray irradiated CaF_2:Ce:Mn crystals. 366456
Ratner, B.S.
High-energy part of gamma spectrum from a synchrotron target. 379955
Ratner, L.G.
Effects of depolarizing resonances on a circulating beam of polarized protons during acceleration or storage in a synchrotron. 363187
High-P/sub transverse/^{2} p-p elastic scattering in pure initial spin states. 359343
Spin-spin interactions in high-transverse momentum elastic p-p scattering. 359344
Ratner, M.A.
Product energy distribution for exothermic reactive collisions. 371481
Ratnietse, R.V.
Analytical reactions of NO_3^-, VO_3^-, AsO_4^{3-}, MoO_4^{2-} ions with silicon. (INIS-mf – 4188) 375227
Ratnikov, B.K.
Poloidal field shaping in the "T-10" facility. (INIS-mf – 3954) 361503
Ratnikov, I.D.
Study on interaction of zirconium and hafnium tetrafluorides with calcium fluorides. 369693
Rattan, P.J.S.
Thyroid harmones in yolk and their role in chick embryogenesis. 352068
Ratti, S.
Application of the Hanbury-Brown and Twiss interferometry to the production of like pions in πsup(-)p collisions at 11.2 GeV/c. 353777
Cross-sections and multiplicity distributions for π sup(-)p interactions at 11.2 GeV/c. 369278
Ratzel, W.
Concept of the primary heat transfer systems of the SNR 2. 371008
Rau, A.
Principles of education and training of industrial engineers for nuclear power plants. 371310
Rau, A.R.P.
Molecular Rydberg states. XI. Quantum defect analogies between molecules and rare gases. 366240
Rau, C.
Spin polarization of electrons at oriented surfaces of ferromagnetic single crystals determined with electron capture spectroscopy. (INIS-mf – 3996) 366406
Rau, F.
On sawtooth oscillations and MHD modes in the W VII A stellarator. (INIS-mf – 3963) 371780
Rau, P.
Control rod drive for a nuclear reactor. (German (F.R.) patent document 2409181/B/) 350174
Post-accident heat removal for gas cooled fast reactors. (CONF-761001 – P4) 362895
Raub, C.J.
The influence of fast quenching on phase transformations of alloys. 367221
Knight shift of ^{195}Pt in A15- and sigma-phases of Nb-Pt. 371626
Rauch, F.
Gamma-ray transition probabilities in ^{91}Nb. 362101
Study of E2 transition probabilities in ^{194}Pt. 356893
Rauch, H.
Measurement of the coherent neutron scattering length of ^{3}He by neutron interferometry. 362075
Rauch, J.
Demonstration of a free piston Stirling engine driven linear alternator, phase I report. (COO/2764 – 1) 370693
Rauch, V.
Pre-equilibrium alpha emission accompanying deep-inelastic $^{16}O + ^{58}Ni$ collisions. 354207
Rauchas, A.
Radial damping by octupole for ZGS beam. 363188
Raue, D.
Tritium permeation through steam generator materials. 360993
Rauert, W.
Annual report 1975. (GSF-R – 132) 349668
Rauh, E.G.
Comparison of the thermodynamic properties and high temperature chemical behavior of lanthanide and actinide oxides. (CONF-770662 – 3) 365015
Raupach, D.C.
Comparison of the bromide ion and iodide ion neutron activable tracers with tritiated water as groundwater tracers. 379258
Rausch, E.O.
Formation of excited H by impact of H_1^+, H_2^+, H_3^+ ions on metal

surfaces. (INIS-mf – 3996) 377273
Influence of oxygen on backscattering of excited H when H^+_1, H^+_2, and H^+_3 ions at 4 – 30 keV energy are incident on molybdenum. 358810

Rausch, W.
Method of distinguishing spherical operational elements of nuclear reactors by means of their neutron interaction properties. (German (F.R.) patent document 1808308/B/) 355433

Rauschenbach, B.
Modern methods of studying surfaces and their application to glasses. (ZfK – 333) 371670

Rauschenbach, P.
Determination of the liquid scintillation counting efficiency of ^3H and/or ^{14}C labelled samples independently of the degree of colour and/or chemical quenching. 355494

Rauscher, E.A.
Coupled-channel α-decay theory for odd-mass nuclei: ^{253}Es and ^{255}Fm. 366957

Rauscher, R.
Increased safety due to improvements in cladding tube testing in ultrasonic systems. 370840

Rauschning, D.
The environmental compatibility examination in nuclear licensing. 352983

Rausendorf, P.
A process for the preparation of uranium dioxide particles by deposition in a fluidized bed. 365193

Rautenberg, J.
The steam reformer of a process heat reactor, integrated in the prestressed-concrete containments. 370950

Rautenberg, T.
Further developments with glass detectors for heavy ions and fission fragments. 368287

Rauter, R.
Determination of impurities in ice-cores from the Jungfrau-Joch by neutron activation analysis. 372940

Rautian, S.G.
On the possibility of registration of Dirac monopole by nonlinear effects in the emission of interstellar masers. 353707

Raveau, B.
New family of ternary niobium oxide with $A_3M_8O_{21}$ structural form. 354586

Raven, L.F.A.
The influence of fuel characteristics on gap conductance and hence clad temperature in a LOCA. 376529

Ravi Chandra
The effect of x-irradiation on the development of Fasciola gigantica (cobbold, 1885) in goats. 352146

Raviart, A.
An acceleration evaluation of the performance of the Soviet-French wide-gap spark chamber for gamma-ray astronomy. 368266

Ravin, T.H.
Evaluation of gastro-pulmonary aspiration by a radioactive technique: concise communication. 373685

Ravindra, M.K.
Treatment of natural and manmade hazards in nuclear power plant design. 370604

Ravindra, M.P.
Orbit perturbation theory of beam-plasma instability. 366542

Ravindranath, V.
Long-term planning for management of aqueous wastes from fuel reprocessing plants. 358537

Ravn, H.L.
Decay of ^{46}Ar. 369488
Decay of a T/sub z/ = – 2 nucleus: Argon-32. 364777
Fast release of nuclear reaction products from refractory matrices. 378231
Shifts in xenon K X-ray energies following electron-capture beta decay and the role of nuclear hyperfine structure. 356719

Ravyakina, N.N.
Thermal stability of heat resisting alloys used for the production of hydrolic-turbine blades. 349466

Rawat, B.S.
Some criteria for evaluation of performance of whole body counting systems. 371122

Rawat, J.P.
Inorganic ion exchanger ferric phosphate as indicator in the determination of thorium in presence of rare earths. 375340
Synthesis and use of aluminium antimonate as an ion-exchanger. 354367
Use of hexacyanoferrate(II) for the biamperometric determination of zirconium. 375339

Rawer, K.
Atmospheric extinction of solar radiation. 354719

Rawley, C.J.
Westinghouse high-density spent fuel rack design. 352663

Rawlings, J.C.
Spacer for nuclear reactor fuel rods. (German (F.R.) patent document 2609120/A/) 355262

Rawls, J.M.
Microscopic theory of impurity pumping. 350817
Studies of doublet plasmas in Doublet IIA. 358942
Time evolution of thermal instabilities. 350829

Rawnsley, J.
Mass-spectrum for monopoles of integral isospin bag-model as the high isospin limit. 377760

Rawnsley, J.H.
A class of pseudoparticle solutions of the SO(5) Yang-Mills equations. 355843

Ray, A.K.
Reactivity requirements and safety systems for heavy water reactors. 371000

Ray, D.
Effective seismic input through rigid foundation filtering. 373859
Scalar meson fields in a conformally flat space. 350540

Ray, H.B. van der
K⁻n elastic scattering between 610 and 840 MeV/c. 356502

Ray, I.
Long term leaching of silicate systems: testing procedure, actinides behaviour and mechanism. (KFK – 2456) 354352

Ray, J.
^{57}Fe Moessbauer study of single crystal Nisub(0.83)Fesub(0.17). 366457

Ray, J.R.
Dust solutions in space-time with four Killing vectors. 353142
Variational derivation of the Bach – Lanczos identity. 368583

Ray, L.
"Nuclear matter" approach to the energy dependence of the real part of the proton-nucleus optical potential at intermediate incident energies. 351304

Ray, M.N.
Determination of dysprosium in presence of manganese by neutron activation analysis. 356935

Ray, M.N.S.
K matrix for the Woods – Saxon potential. 359318

Ray, R.N.
Innovations in PHWR design, integration of nuclear power stations into power systems, and the role of small nuclear power plants in a developing country. 371001

Ray, S.K.
Deformation dynamics in zircaloy 2 : a re-examination allowing for variations in activation entropy and mobile dislocation density. 367269
Optical and electron micrographic studies of two failed fillet-welded nozzle joints in a 316L stainless cylindrical tank. (RRC – 17) 376330
Studies on 12-heteropoly niobotellurate. 351551

Ray, S.P.
Fluorite related ordered compounds in the $ZrO_2 – CaO$ and $ZrO_2 – Y_2O_3$ systems. 365208

Ray, W.H.
Benefit/cost analysis of plutonium recycle options in the United States of America. 368447

Rayamyaeh, R.A.
Cells for liquid scintillation beta spectrometers. 358388

Raybun, J.L.
Simple, pulsed, electron beam gun. 350583

Raychaudhuri, A.K.
Einstein-Cartan spheres. 358679

Raychaudhuri, P.
Inclusive scattering at large transverse momenta in massive quantum electrodynamics. (JINR-E – 2-9838) 377767
Massive lepton pair production in massive quantum electrodynamics. (JINR-E – 2-9837) 377766

Rayet, M.
Hypernuclei and nuclear structure. (LYCEN – 7702(pt.1)) 369448

Raygorodsky, A.I.
Some problems of using adsorbents as a matrix material for low-temperature regenerators of cryogenic refrigerators. 360642

Raymer, A.V.
Concentrational dependence of magnetic anisotropy constant of rare earth intermetallic compounds. 349479

Raymond, J.C.
Theoretical models of shock waves in the interstellar medium. 372246

Raymond, K.N.
Rare earth metalcarborane derivatives. The preparation, structural characterization, and reactions of the bis(eta⁵-(3)-1,2-dicarbollyl)dichlorouranium(IV) dianion. 378465

Raymond, U.
Cell inactivation effects of fast neutrons produced by NIRS cyclotron. 349706

Raynal, J.C.
Absolute magnitude of non-leptonic hyperon decays and electromagnetic hyperfine splittings. 372451
Strong decays of psi"(4.028) as a radial excitation of charmonium. 375039
Why is psi(4.414) so narrow. 375040

Raynes, W.T.
Accurate coupled Hartee-Fock calculations of the electric field dependence of the proton magnetic shielding in the hydrogen molecule. 368695

Rayski, J.
An approximative method for computing cross-sections. 353143
Unitary spin, colour and unified theory. 355830

Rayudu, G.V.S.
The biological behavior of tin following administration of nine sup(99m)Tc-Sn complexes. 373636
Studies of tumor metabolism. 373635

Razani, A.
Fission products and secondary gamma-ray spectra in a plutonium-fueled fast reactor. 355473
Manpower training approach in the Atomic Energy Organization of Iran. 352609
Nuclear heating in a control element of a gas-cooled fast breeder reactor. 363524

Razdan, H.
Recurrent Forbush decreases and relationship between active regions and M-regions. (BARC – 931) 372264

Razdorskij, V.V.
Algorithm construction for solution of linear accelerator control problem. (INIS-mf – 3909) 374079
Study on orthogonal matrices for experiment planning of the third order. (INIS-mf – 3909) 374534
Razem, D.
Electron scavenging in ethanol and in water. 351654
Inverse isotope effect for electron transfer reactions in ethanol. 369806
Razgovorov, N.N.
Equations of motion of a test particle in an external field in the special relativity theory. 368584
Motion of a particle in a gravitational field in the special relativity theory. 368585
Razikov, K.Kh.
Effect of radioactive irradiation and subsequent storage on supermolecular structure and some properties of cotton cellulose. 359797
Razin, I.M.
On the problem of extrapolating the data on Sr^{90} behaviour in dogs to a human organism. 370411
Razin, S.V.
High-pulsed parts of spectra of secondary particles from collisions of 6,3 GeV/C deuterons with protons, deuterons and carbon nuclei. (JINR-D – 1,2-9342) 356486
Razina, G.K.
Floating orbit method in the synchrotron radiation theory. 350056
Razinkova, T.L.
Program for data transmission from a punched tape to the BESM-4 magnetic tape and to punched cards. (ITEF – 88(1975)) 361221
Razmadze, G.B.
Volatility of some elements in direct current arc. 364882
Razmanov, V.M.
Turbulence and velocity of the plasma near the Sun deduced from "Venera-10" radio transmission experiments. 369069
Raznikov, V.V.
Data acquisition and processing in high-resolution mass spectrometry using ion counting. 355681
Raznikova, N.F.
Synthesis and thermal stability of polonites of yttrium, dysprosium and praseodymium. 359721
Raznjevic, K.
Handbook of thermodynamic tables and charts. 373130
Razorenov, L.A.
Observation of solar cosmic rays during the flare of April 29, 1973. 356182
Production of multicharged nuclei on the Sun. 356277
Some specific features of redundant radiation at altitudes of 200-300 km. 357539
Razorenova, I.F.
Relativistic nuclear photographic emulsion for multilayer piles. 350291
A study of recording possibilities of emulsions in autoradiography conditions. 368276
Razumeenko, M.V.
Switching effect in B-Nb_2O_5 monocrystals. 348794
Razumov, A.V.
Bogolyubov method application to quantization of boson fields in the neighbourhood of classical solution. (IFVE-OTF – 76-21) 348613
Razumov, K.A.
Plasma heating in the TM-3 tokamak by electron cyclotron-resonance at magnetic fields up to 25 kOe. (IAE – 2564) 368912
Razumova, I.K.
Investigation of double optical resonance in crystals activated by erbium. (INIS-mf – 3955) 362142
Razumova, K.A.
X-ray spectra and impurity concentration in the T-10 tokamak. (INIS-mf – 3963) 371751
Razumovskaya, L.M.
Effectiveness of geophysical exploration techniques in determination and evaluation of carbonate reservoirs for oil and gas in the Uzbek fields. 375983
Razumovskij, L.M.
Experience in complex data processing of acoustic, laterolog, induction and radioactivity logging in evaluation of oil-and-gas content in carbonate reservoirs. 375984
Razumovskij, N.O. .
On the rate of natural excretion of incorporated radio-active ruthenium. 376139
Razumovskij, S.M.
N-type silicon conductivity conversion under the action of high-speed helium ions. (KFTI – 74-47) 353407
Razumovskij, S.N.
Hafnito-niobates of rare earths and cadmium. 378262
Phase equilibria in the $Cd_2Nb_2O_7$-$Yb_2Ti_2O_7$ system. 359601
Razuvaev, G.A.
Peroxide organometallic compounds and their transformations. 349282
Reaction of sterically hindered o-quinones with alkyl derivatives of the third group elements. 372993
Reactions between dicyclopentadienyl vanadium and RHgCl. 351552
Thermal decomposition reaction of dicyclopentadienyl derivatives of vanadium. 357053
Transition metal complexes with pyrocatechinolates and semiquinolates. 369694
Razuvaev, V.E.
Study of hydrolysis of chromate, molybdate and tungstate of sodium in aqueous solutions at 15-90 deg. 369669
Razvanov, R.A.
Nuclear geophysics and radiometric surveying. 357480
Rcheulishvili, G.L.
Does u-channel in t-plane influence on behaviour of forward scattering differential cross sections at high energies forward scattering differential cross sections at high energies. (IFVE-OTF – 76-20) 349068
Effect of pecularities of an amplitude on the behaviour of the scattering differential cross section. 372477
Read, A.E.
Radioimmunoassay of lactoferrin in pancreatic juice as a test for pancreatic diseases. 370470
Read, B.J.
A bibliography of high energy two-body and inclusive scattering data. (RL – 77-105/C) 356417
Pair production by pions. 366883
Read, C.B.
Linear dose-response of acentric chromosome fragments down to 1 R of x-rays in grasshopper neuroblasts, a potential mutagen-test system. 373523
Read, D.A.
Magnetic properties of ferromagnetic VFe alloys near the critical concentration for ferromagnetism. 367263
Read, D.J.
Sulphur dioxide metabolism in soy-bean, Glycine max var. biloxi. 379094
Read, F.H.
Investigation of the energy and vibrational structure of the inner shell $(1s)^{-1}(\pi 2p)^1\Pi$ state of the nitrogen molecule by electron impact with high resolution. 371501
Near-threshold electron impact excitation of ultraviolet-emitting levels of helium atoms. 355864
Read, L.R.
Exposure-rate calibration of small radioactive sources of ^{60}Co, ^{226}Ra and ^{137}Cs. 376260
Read, P.L.
A further measurement of the 38-MHz flux density of Cas A. 356308
Read, R.W.
Improvements in or relating to nuclear reactor fuel elements. 374164
Reader, J.
4s-4p resonance transitions in highly charged Cu- and Zn-like ions. 350671
Readhead, A.C.S.
The angular diameter-redshift relation for scintillating radio sources. 366706
Radio structure of 3C147 determined by multi-element very long baseline interferometry. 356346
Reading, D.H.
Bone mass measurement using a xenon-filled multiwire proportional counter as detector. 360394
Expansion of a negative pi-meson peak to cover a range of depths useful for radiotherapy. 365355
Reading, J.F.
Deflection effects in inner-shell ionization. 358839
Hydrogen-atom excitation and ionization by proton impact in the 50- to 200-keV energy region. 358740
K-shell hole production by light ions in the region $eta^{1/2} <$ or approx. $= 1$. 350613
Ready, J.F.
Industrial applications of high power laser technology. 377525
Reagan, J.B.
Analysis of high resolution satellite data for cosmic gamma ray bursts. Final report. (N – 76-34111) 361703
Fine-scale spatial structure in the pitch angle distributions of energetic particles near the midnight trapping boundary. 370294
Reale, C.
Critical magnetic field of superconducting A1-type Si, Ge and Sn. 377695
Realini, G.
Velocity space selection properties of magnetic divertor configurations. (INIS-mf – 3963) 371778
Reames, D.V.
Enhancement of solar heavy nuclei at high energies in the 4 July 1974 event. 372124
Reardon, E.J.
Computer modelling of groundwater ^{13}C and ^{14}C isotope compositions. 376035
Reardon, P.J.
International fusion reactor development. (ANL – 77-XX-62) 361613
Reasenberg, R.D.
Viking relativity experiment. 366755
Reasoner, D.L.
Low energy plasma observations at synchronous orbit. (TRITA-EPP – 77-22) 354720
Reass, W.
Regulated 15-V, 7500-A, neutral-beam filament supply. (UCRL – 79693) 371996
Rebandel, J.
Studies on ammonium polyuranates obtained from UF_6. 373118
Rebane, V.N.
Collisional broadening and shift of hyperfine components of an atomic spectral line. (INIS-mf – 3915) 348728
Collisions transfer of coherence between levels of a hyperfine multiplet. (INIS-mf – 3915) 348729
Rebbi, C.
Spinor analysis of Yang-Mills theory. 363792
Rebel, H.
Alpha-gamma angular correlations in the reaction $^{24}Mg(\alpha,\alpha_1\gamma)$ at

Esub(α) = 104 MeV. 354181
Experimental studies of hexadecapole motion in spherical nuclei. 375090
Nuclear radii and magnetic moments of ^{128}/sup ,/^{131}Ba from high-resolution laser spectroscopy. 351399
Rebentrost, F.
Nonadiabatic effects in the collision of F(^{2}P) with H_2($^1\Sigma$/sub g/$^+$). III. Scattering theory and coupled-channel computations. 358811
Rebhan, E.
Feedback stabilization of axisymmetric MHD instabilities in tokamaks. (INIS-mf – 3963) 371997
Rebka, G.A. Jr.
Pion – nucleon interaction and mesonic atoms. Progress report, February 1, 1977 – January 31, 1978. (COO – 2197-53) 377823
Rebler, R.
Lead residues in plants and soils along Austrian motor roads. 367650
Rebmann, D.
Renal function measurements before and after catheter embolisation of the renal artery. (INIS-mf – 4010) 357694
Rebrin, O.I.
Effect of chlorine and beryllium on the NaCl-$BeCl_2$ system properties. (INIS-mf – 4193) 375521
Rebrova, V.V.
Development of industrial hydrogenating catalyst on rhenium base. 367075
Rec, J.R.
Alternative fuel cycle for Nuclear Energy Centers. 352925
Recami, E.
Black holes and tachyons. 364305
How to recover casuality for tachyons even in macrophysics. (IC – 76-96) 361305
A new unified approach to bradyons and tachyons by conformal transformations. 353132
On quark confinement hadrons as "strong black holes". 353891
Recasens, M.
Double isotope method for the determination of catecholamines, serotonin, and other amines in the picomole range as their dansyl derivatives. 362136
Rechenberg, H.R.
A semiclassical model of multiparticle production. 353892
Rechenmann, R.V.
A new approach for the detection of charged particles by photographic recording systems – first applications in corpuscular physics, biology and electron microscopy. 360118
Recher, M.
The photoreaction between furocoumarins and various DNA with different base compositions. 367450
Rechester, A.B.
Electron heat transport in a tokamak with destroyed magnetic surfaces. (PPPL – 1386) 366617
Rechnic, Y.
Technetium-99m-pyridoxylideneglutamate in jaundiced patients. 354947
Recht, P.
The development of an environmental protection programme for the population based on concepts and standards inspired by radiological protection. 355016
Reck, G.P.
Isotope fractionation in two-step photoionization of Li_2. 373923
Reckel, K.
Cisternography and computed tomography in the assessment of impaired cerebrospinal fluid circulation. (INIS-mf – 4010) 357688
Recker, M.
Basic training of operational personnel for nuclear power plants. 352553
Reckman, B.J. Jr.
Structural design problems with backfitting fuel racks to existing pools. 358077
Red'ko, V.G.
Generation and movement of magnetic domains in a SHF magnetic field. 374749
Redburn, D.A.
Uptake and release of [^{14}C] GABA from rabbit retina synaptosomes. 373621
Redchits, V.V.
Development and prevention of porosity in the fusion welding of thick titanium alloys. 351711
Facility for pressure welding of metals and alloys in superplasticity state. 375777
Gas bubble formation mechanism in the welding bath during active metal welding. 375781
Gaseous bubble growth kinetics in a bath during active metal welding. 359878
Reddi, B.V.
Superconducting niobium stannide. 366806
Reddi, C.R.
Quasi-periodic fluctuations in electron content during a partial solar eclipse. 366769
Reddi, V.R.
Gamma ray induced rice plants with 26 chromosomes. 376163
Redding, G.B.
Method for the fabrication of a fuel body from an agglomerate of fuel particles. (German (F.R.) patent document 1589752/B/) 352491
Reddington, M.
Radiometric assay of tyrosine hydroxylase and tryptophan hydroxylase by Kalignost extraction procedures. 364857
Reddoch, T.W.
Investigation of optimal control strategies to an integral economizer U-tube steam generator. 379662
Reddy, C.P.
An analysis of the breeding capability of various fast reactor fuels. (RRC – 16) 376582
Reddy, G.K.N.
Complexes of ruthenium(II) and ruthenium(III) with tertiary arsines. 359698
Reddy, G.N.
Comparative study of two preoperative radiation regimens with cystectomy for bladder cancer. 373579
Reddy, K.R.
Effect of iron and manganese of ^{65}Zn absorption and translocation in soybean seedlings. 376140
Reddy, V.G.
Inelastic scattering of 279-keV gamma rays by bound electrons in heavy atoms. 361381
Redega, K.P.
Effect of rhenium injection methods on emission characteristics of metalloceramic alloys. 351840
Redekop, D.
Further three-dimensional stress analysis of an intersection of a cylindrical shell with a plate. 355308
Redish, E.F.
Bound-state momentum distributions. 359369
Redler, I.O.
Elimination of effect of rock composition on spectral determination of niobium and tantalum. 372915
Redman, H.C.
Biological effects of $^{239}PuO_2$ inhalation in the Rhesus monkey. (LF – 56) 362718
Toxicity of injected ^{137}CsCl in beagle dogs. IX. (LF – 56) 365443
Redon, A.
Management of high-activity nuclear waste (fission products). (BNWL-tr – 263) 368382
Management of high-level radioactive waste (fission products). 368361
Redpath, A.E.
Velocity separation of isotopic mixtures in underexpanded supersonic beams. 357054
Redpath, W.
Improvements in or relating to nuclear reactor fuel elements. 374164
Redweik, U.
Quantitation of deuterated and non-deuterated phenylalanine and tyrosine in human plasma using the selective ion monitoring method with combined gas chromatography-mass spectrometry. 352138
Redwine, R.P.
Energetic charged particle yields induced by pions on complex nuclei. 359494
Inelastic scattering of π^+ Mesons from nuclei at 50 MeV. 369493
Ree, F.H.
Response of porous beryllium to static and dynamic loading. (UCRL – 79712(Rev.1)) 351764
Reed-Hill, R.E.
Deformation processes in refractory metals. (ORO – 3262-54) 362373
Static strain-aging in commercial purity alpha titanium. 357266
Reed, A.K.
Assessment of environmental aspects of uranium mining and milling. Final report, 12 February – 7 July 1976. (PB – 266413) 360472
Reed, J.H.
Gamma-ray spectrum enhancement. (SAI – 77-518-LJ) 351944
Reed, L.D.
Characteristics of agglomerates of sodium oxide aerosol particles: Task 7, topical report. (BMI-NUREG – 1977) 358285
Charging of radioactive aerosols. 365031
Reed, R.A.
Spectrophotometric method for the determination of boron in glasses, glazes and ceramic colours. 359568
Reed, T.M.
Carbon tetrafluoride + carbon in ionizing radiation. 369807
Reed, W.E.
Diffusion bonding (a bibliography with abstracts). Report for 1964 – Aug 77. (NTIS/PS – 77/0776) 369872
Reed, W.H.
Analysis of Standard Problem 2 with the TRAC-1D Code. 352196
Development of a sodium ionization detector for sodium-to-gas leaks. (CONF-760503 – P2) 352721
Fluid dynamics and heat transfer methods for the TRAC code. 376530
Ray-effect mitigation methods for two-dimensional neutron transport theory. 352444
TRAC: a new code for LOCA analysis. (LA-UR – 77-1700) 352285
Reeder, D.D.
Observation of elastic neutrino and antineutrino scattering and parity violation in the weak hadronic neutral current. 353995
Reeder, L.R.
Review and assessment of deep-well injection of hazardous waste. Volume I. Final report. (PB – 269001) 371209, 371210, 371211, 374446
Reedy, G.T.
Matrix isolation studies with Fourier transform ir. (CONF-770657 – 1) 362235
Reedy, R.C.
Computer-generated maps of lunar composition from gamma ray data. (LA-UR – 77-1487) 361660
Experimental determination of cosmic-ray particle fluxes. 377647
Solar proton fluxes since 1956. (LA-UR – 77-909) 351069

Reelers, A.B.
A ^{3}He circulating dilution refrigerator with more than one mixing chamber. 360612
Reen, E.
A method for charged-particle activation analysis and its application to fluorine determination by the $^{19}F(p,\alpha\gamma)^{16}O$ reaction. 369531
Reents, H.
Development of end energy and useful energy demand in the Federal Republic. 371243
Rees Smith, B.
The interaction of thyroid-stimulating antibodies with solubilised human thyrotrophin receptors. 362829
Rees, C.E.
A ^{33}S anomaly in the Allende meteorite. 354671
Rees, G.H.
LEP injection. 363154
A pulsed neutron facility for condensed matter research. (RL - 77-064/C) 360725
Pulsed spallation source for neutron scattering research. 363323
Rees, J.D.B.
A 480-channel lead glass Cherenkov detector. 355498
Rees, J.R.
Positron - Electron Project (PEP). 363324
Rees, M.J.
Survival and disruption of galactic substructure. 356228
A tepid model for the early universe. 374888
Rees, N.J.M.
Transient deformation of LMFBR cores due to local failure: experimental and theoretical investigation. 374237
Reetts, T.
The volatility of mendelevium and its binary compounds. (JINR-R - 6-10334) 378500
Reetz, T.
Experiments to produce isotopes of superheavy elements with atomic numbers 114-116 in ^{48}Ca ion reactions. 372801
Reeve, F.D.
Ceramics as nuclear reactor fuels. 374177
Reeves, L.W.
Deuterium NMR study of the degree of order of hydrocarbon chains in lyotropic mesophases. 350848
Reeves, R.R.
Spectrophotometric determination of ruthenium using 1-pentyl 4,6-dihydroxy-5-nitrosopyridine-3-carboxylate. 375341
Refetoff, S.
Iodination-deiodination. 351621
Reffo, G.
Some properties of the width fluctuation factor. 361984
Refling, J.G.
Nonequilibrium evaporation and condensation in liquid-metal fast breeder reactor fuel expansion. 362999
Refolio, M.C.
Interaction of NO with a hot polycrystalline tungsten filament. 369993
Refslund Poulsen, N.
Public involvement in danish energy policy. (INIS-mf - 4199) 373860
Regan, J.D.
Pyrimidine dimer excision in human cells and skin cancer. (CONF-770365 - 1) 362634
Rege, D.V.
Combination treatment of gamma radiation and paraben in controlling spoilage of poultry meat. 376171
Regel', A.R.
Evaluation of positional component of entropy of fusion of semiconductor compounds considering their dissociation at fusion point. 349427
Regel', V.R.
Physical aspects of studying the mechanical properties of composite materials. 375881
Possibility of using 'dissolution' method of synthesis and crystallization for preparation of dispersion-hardened composite materials. 375788
Studying mechanism of mechanochemical decomposition of solid inorganic compounds. 378423
Regemorter, H. van
Scattering of charged particles by OH at thermal energies in HI regions. 353375
Regenstreif, E.
Potential and field produced by a uniform or non-uniform elliptical beam inside a confocal elliptic vacuum chamber. 363325
Regev, D.
On the upper bound estimation method in reactor theory. (INIS-mf - 4052) 376417
Regge, T.
General relativity a la string: a progress report. 355831
Regis, V.
Corrosion resistance of tubes for PWR steam generators. 362294
Regler, G.
Observation of progress in the treatment of rheumatoid arthritis with ^{90}Y-silicate. (INIS-mf - 4010) 370492
Regnaud, F.
Problems of dismantling, treating and analysing highly irradiated fuel elements. 360843
Regnaut, P.
Safety and protection analysis of reprocessing plants. 370577
Regnier, Jean
Facility of aerosol filtration. 355271
Regulla, D.F.
Actual problems in photon dosimetry. 363077
Solid-state dosimetry in medicine. Pt. 2. 355569
Regushevskij, V.I.
Measurement of neutron importance by a dynamic method. 376408
Rehak, P.
The cross section for the production of massive electron pairs and the UPSILON(9.5 GeV) in proton-proton collisions at the CERN ISR. 369367
Second coordinate readout in drift chambers by charge division. (BNL - 23345) 379937
Study of photons produced simultaneously with the J/psi particles at the CERN Intersecting Storage Rings. 377794
Rehm, K.E.
$^{16}O + {}^{40}Ca$ inelastic scattering and the elastic scattering wave function. (CONF-771059 - 5) 378051
Fusion cross section behavior for light systems. (CONF-770968 - 7) 372784
Fusion of $^{16}O + {}^{40}Ca$. (ANL - 77-60) 377995
Gamma decay and lifetime measurements of the isomeric 19-/2 state in ^{43}Ti. (ANL - 77-60) 378035
Inelastic scattering of ^{16}O on even-Ca isotopes. (CONF-770968 - 6) 372808, 378050
Systematics of O + Mg fusion. (ANL - 77-60) 378066
Rehm, W.
Thermodynamic correlations for the accident analysis of HTR's. (Juel - 1362) 355434
Rehman, A.U.
Radioactivation methods, ch. 5. 373414
Rehme, K.
Measurements of the velocity, turbulence and wall shear stress distributions in a corner channel of a rod bundle. (KFK - 2512) 370714
Pressure drop of spacer grids in smooth and roughened rod bundles. 363525
Reactor technology. (KFK - 1277/2) 371061
Rehme, W.
Magnetic particle crack testing device for pipe end inspection. 358011
Rehn, H.
Compact storage racks for spent fuel elements at the Biblis nuclear power plant. 370905
Rehn, L.E.
Void swelling and segregation in dilute nickel alloys. (CONF-770641 - 1) 351905
Rehn, V.
Photoluminescence decay in solid xenon. 351867
Reibel, K.
Measurement of the angular correlation parameters in the BETA decay of polarized Λ hyperons. (COO - 1545-215) 364585
Reich, C.W.
Absolute γ-ray branching and half-life of ^{250}Bk. (BNL-NCS - 22500) 356768
Reports to the ERDA Nuclear Data Committee. (BNL-NCS - 22500) 356685
Reich, H.D.
Determination of the longitudinal and the transverse part in π^{+}-electroproduction. (DESY - 77/64) 366892
Electroproduction of neutral pions and test of the quark-parton model. 356394
Inclusive spectra of electroproduced K^{+}-mesons. (DESY - 77/49) 364578
Reich, K.H.
Reliability and maintenance analysis of the CERN PS booster. 363305
Reich, M.
Dynamic response of a multielement HTGR core. (BNL - 23197) 363000
Effect of clearance and distribution of mass on the dynamic response of an HTGR core. (BNL-NUREG - 22651) 357811
Higher order effects and their influence on the HTGR core. (BNL - 23196) 367747
Nonlinear response of graphite structures. (BNL-NUREG - 23228) 365910
Proceedings of the workshop on structural analysis needs for magnetic fusion energy superconducting magnets: a technical assessment. (CONF-760984 -) 361614
Structural aspects of superconducting fusion magnets. (BNL - 22698) 350927
Reich, S.B.
Evaluation of gastro-pulmonary aspiration by a radioactive technique: concise communication. 373685
Reichardt, K.
Soil water regime under homogeneous eucalyptus and pine forests. (CENA-BC - 043) 365280
Spatial variability of physical properties of tropical soil. (CENA-BT - 004) 354672
Spatial variability of physical properties of a tropical soil. (CENA-BT - 005) 357494, 360137
Reichart, W.
A detailed analysis of the reaction $^{92}Zr(p, \alpha)^{89}Y$. 377891
Muon spin orientation (μSR) in ferromagnets and semiconductors. 377193
Muon spin rotation (μSR) in α-Fe_2O_3. 377194
Muon spin rotation (μSR) in Gd. 378630
Muonium states in silicon. 377195
Reichel, H.
Corrosion and deposition behaviour of ^{60}Co and ^{54}Mn in the SNR mockup loop for the primary sodium system. (IWGFR - 7) 360988

Reichelt, H.G.
Sequential hepato-chole-scintigraphy. (INIS-mf – 4010) 370493
Reichelt, K.
Preparation and study of epitaxial tungsten monocrystal films. 367219
The preparation of Nb-Gesub(x) films by reactive sputtering. 370033
Reichelt, K.L.
In vivo labelling of acetyl-aspartyl peptides in mouse brain from intracranially and intracranially and intraperitoneally administered acetyl-L-[U-^{14}C]aspartate. 357624
Reichelt, W.
DTA investigations of phase changes of some vanadium oxides. 364990
On the conductivity transition in V_3O_5. 371572
Reichert, E.
Electron resonance scattering at mercury. 353336
Reichert, H.G.
Function assessment of reconstructed bile duct anastomoses with nuclear-medicine methods. (INIS-mf – 4010) 370494
Reichle, L.F.C.
MSR (Pu converters) and MSBRs in commercial nuclear power stations. 365985
Reichman, G.A.
Underestimation of radiation exposure from Am-Be neutron probes by film badges. 365636
Reid, A.
Multiple primary cancer risk after therapy for Hodgkins's disease. 373562
Reid, B.E.
Preliminary study of favorability for uranium of the Sangre de Cristo Formation in the Las Vegas basin, northeastern New Mexico. (GJBX – 82(77)) 378870
Reid, B.O.
Epilation in rats after single and multifractionated gamma-ray exposure. 354783
Reid, F.L.
Commercial feasibility of fusion power based on the tokamak concept. 377520
Reid, J.M.
The E1 and E2 strength in the electrofission of some heavy elements. 356878
Reid, R.H.G.
The eigenphase formulation of fine-structure transition cross sections. 353337, 377103
Reid, R.J.
Optimisation of distributed ion pumps for the Daresbury Synchrotron radiation source (SRS). 370764
Reid, R.J.O.
A study of the arrival direction distribution of high-energy particles as observed from the Northern Hemisphere. 369068
Reid, R.L.
Economic evaluation of tokamak power plants. (CONF-771056 – 3) 371998
Reidel, G.
Radioimmunological determination of testosterone levels and binding capacity for testosterone in serum of patients with carcinoma of the prostate. (INIS-mf – 4010) 370495
Reider, R.
Safety in perspective: Deuteronomy to OSHA. 360473
Reidy, J.J.
Measurement of the Coulomb capture ratio of muons in twenty oxides of medium and heavy elements. 362050
Use of muonic x rays for nondestructive analysis of bulk samples for low Z constituents. 372918
Reifenberger, R.
Periodic field-dependent photocurrent from a tungsten field emitter. 378670
Reifenhaeuser, R.
Operational proof of automation. 365846
Reiff, P.H.
Evidence of magnetospheric cusp proton acceleration by magnetic merging at the dayside magnetopause. 360194
Reiffers, S.
^{11}C-labelled DOPA for detection of cerebral dopaminergic structures. (INIS-mf – 4010) 357618
A duel head Anger camera system for the imaging of positron emitting radionuclides. (INIS-mf – 4010) 358387
Rapid synthesis and purification of carbon-11 labelled DOPA: a potential agent for brain studies. 375655
Reih, H.D.
Electroproduction of neutral pions and test of the quark-parton model. (DESY – 77/47) 364561
Reihl, B.
Field emission of monoenergetic spin-polarized electrons. 353402
Reihlen, H.
Standardization in nuclear engineering. 366232
Reijen, G. van
Safety practices and standards, developments and incentives for international co-operation. 370623
Reijonen, H.
Neutron scattering in applied research: possibilities for medium-flux research reactors. 358895
Reil, K.O.
Effective equation-of-state measurements on uranium dioxide. (SAND – 77-1094C) 365596
Reiland, W.
Dependence of quenching cross sections (Na* (3p) + mol) on the atomic polarisation. 353266
Dependence of quenching cross sections (Na*(3p)+mol) on the atomic polarisation. 377035
Orientation in the electron scattering by laser excited Na(3^2P) – atoms. 353265
Reiley, T.C.
Simulation of irradiation creep. (CONF-770641 – 6) 351906
Reilly, J.T.
Thermal radiation effects on subassembly wall failure in fast reactors. 352286
Reilly, T.D.
Applications of the absorption-edge densitometry NDA technique to solutions and solids. (LA-UR – 77-1416) 358587
Reiman, S.
The preparation of the $KMeF_3$ (Me = Mn, Fe, Co, Ni) crystals for the studies by Moessbauer effect. 374767
Reimann, B.
To the reaction of silyl radicals. The ratio of disproportionation/recombination. 359683
Reimann, H.
Calculation of strength of single-lap shear specimen. 362427
A study of wear resistant nickel-boron-silicon coating alloys. 359943
Reimann, J.
Joint test rig for testing and calibrating of different methods of two-phase mass flow measurement. (KFK – 2435) 358442
Phase distribution in horizontal air-water and steam-water flows. 370715
Reimann, K.
Degradation and its velocity in warmed waters. 357519
Reimann, K.J.
Evaluation of a pulsed eddy-current system for subsurface flaw detection. (ANL/MSD – 78-1) 379525
Reimann, M.
The interaction of a core melt with concrete. (AED-Conf – 77-403-001) 370605
Investigations of the fuel rod behavior in the low pressure phase of a LOCA and of the interaction between ballooning Zircaloy claddings and emergency core cooling. (KFK – 2435) 358203
Reimche, W.
Investigation of the dynamic behaviour of detectors for gas bubbles in sodium flows. 370704
Reimer, C.B.
An indirect solid-phase microradioimmunoassay for human IgM-anti-IgG (rheumatoid factor). 352160
Reimer, G.M.
Uranium analysis of natural waters by fission tracks. 378098
Reimer, P.
Charge asymmetry at large psub(T) in inelastic anti pp reactions at 22.4 GeV/c. 353943
Inclusive spectra in anti pp interactions at 22.4 GeV/c. 353941
Multiplicities and forward-backward correlations in anti pp interactions at 22.4 GeV/c. 366882
Reimers, P.
Photon activation analysis of coins and objects of art. 372919
Rein, J.E.
Cation exchange of 53 elements in nitric acid. (LA – 7083) 378143
Evaluation of the LASL automated spectrophotometer for uranium determination at submilligram levels. (LA – 6867) 351442
Quality assurance programme for surveillance of fast reactor mixed oxide fuel analytical chemistry. 376594
Reinartz, G.
The design of operating procedures manuals for nuclear power plants. 355360
Reinders, L.J.
Isospin-induced correlations in a large class of models for high multiplicitiy events. 353893
Reinecke, M.
Explanation of the characteristic features of experimental backbending-curves and new results for energies and B(E2)-values obtained with the particle-rotor-model. 351305
Reinecke, T.L.
Dynamic instabilities in high-T/sub c/ superconductors. 359209
Local lattice instabilities in the A-15's. 359213
Structural instabilities and superconductivity in the alkali tungsten bronzes. 368856
Reinecke, V.
The effects of various kinds of sparsely-ionizing radiation on total cell RNA and preribosomal nuclear RNA of Novikoff Hepatoma ascites cells after in vivo labelling. 349752
Reineke, H.H.
Heat transfer between core melts and concrete. 370606
Reiners, C.
Functional scintigraphy of salivary glands with ^{123}I and sup(99m)TcO_4. (INIS-mf – 4010) 367596
Problems with the determination of TSH-levels and with the TRH-test in routine diagnostic procedures. (INIS-mf – 4010) 370500
Reines, F.
Neutrino stability – inverse square test. 353985
Reinfelder, E.
Method of producing n-doped silicon monocrystals with a plate-shaped profile in radial direction with respect to the specific electric resistance. (German (F.R.) patent document 2553362/A/) 370701
Reinfuss, M.
^{60}Co telegammatherapy technique used at the Institute of Oncology in Cracow in treatment of maxillary sinus planoepithelial carcinoma. 367835
^{60}Co telegammatherapy used at the Institute of Oncology in Cracow in treatment of oral planoepithelial carcinoma. 367834
Reinhard, G.
On the deposition of cobalt ions on surfaces of austenitic steels in

the presence of some anions. 372951
Reinhard, P.-G.
A microscopic study of the dipole giant resonance in fissioning nuclei. 377932
Reinhard, R.D.
Aspects of the regulatory function of adenosine triphosphate on the radiation sensitivity of saccharomyces cerevisiae. 378975
Reinhardt, J.
Ionization, X-rays and positron production in Pb-Pb and U-U collisions. 353192, 376973
K-X-ray spectrum of the Pb + Pb quasimolecules. 377905
Reinhardt, W.P.
Intense field multiphoton ionization via complex dressed states: Application to the H atom. 371470
Reinhart, E.R.
Evaluating the performance of in-service inspectors. 360905
Reinhold, G.
1 MV accelerator structure for cluster injector. 363238
Reinhold, M.
Use of mutants to study host/pathogen relations. 373730
Reinke, M.
Lifetime measurements on atomic states of He I. 348655
Reinle, W.
Direct determination of cadmium in unicellular green algae by flameless atomic absorption. 375313
Reintjes, J.
Optical pulse squaring effects in a dispersive delay line. (NRL-MR – 3525) 350887
Reintsema, S.R.
Search for the vacancy annealing stage in heavy ion implanted bcc metals. (INIS-mf – 3996) 366458
Reis, A.H. Jr.
The crystal structure of lithium uranate. 368784
Reisacher, R.
Boiler. 352659
Steam generator. (German (F.R.) patent document 2358829/A/) 350233, 368157
Reisdorf, W.
New neutron-deficient tellurium, iodine, and xenon isotopes produced by reactions of 290 MeV ^{58}Ni ions on ^{58}Ni and ^{63}Cu targets. 364793
Reisema, S.R.
Experimental investigation of the cross structure of damage cascades by means of ion implantation at different energies. (INIS-mf – 3996) 364081
Reiser, H.
Advances in carbide fuel element development for application to fast reactors. 367327
Current status of experimental and theoretical work on sodium/fuel interaction (SFI) at Karlsruhe 'simulation experiments'. (PNC-N – 251-76-12(vol.1)) 349890
Effects of fuel-sodium interaction in TOP tests with electrically heated fuel pins. (CONF-761001 – P4) 362871
Reiser, M.
Generation and focusing of intense ion beams for pellet fusion. 363326
Recent results of the University of Maryland research program on collective ion accelerators. 363202
Reisfeld, R.
Energy transfer between Bi^{3+} and Nd^{3+} in germanate glass. 353338
Energy transfer between Ce^{3+} and Tb^{3+} in rare earth pentaphosphates. 355858
Fluorescence of Er^{3+} doped $La_2S_3.3Ga_2S_3$ glasses. 368693
Interpretation of the mechanism of energy transfer from Bi^{3+} to Eu^{3+} in oxide glasses. 362444
Reisfeld, R.A.
Semi-automatic solid-phase radioimmunoassay for carcinoembryonic antigen. 352175
Reisler, H.
Parametric study of the Cl + HI chemical laser. (IA – 1338) 364156
Reisman, O.I.
Laminar heat transfer data with a step-varying wall heat flux. 352446
Reiss, J.M.
Radioactive syringe shield having retentive bushing. (US patent document 4,062,353/A/) 379463
Reisse, C.
Elements separation and mixing processes in the envelopes of white dwarfs. 374977
Reissland, J.A.
The assessment of late effects on a population exposed to activity released into the environment. 360544
Reist, H.W.
Radiochemical investigation of the mass distribution and probability in stopped μ^- induced fission of ^{238}U. 372700
Reister, D.B.
Net energy from nuclear power. 366144
Reiswig, R.D.
Chemical vapor deposition of zirconium carbide alloyed isotropic carbon in a fluidized bed. (LA-UR – 77-1064) 351665
Chemical vapor deposition of ZrC made by reactions of $ZrCl_4$ with CH_4 and with C_3H_6. 365196
Irradiation test OF-2: high-temperature irradiation behavior of LASL-made fuel rods and LASL-made coated particles. (LA – 6988-MS) 374229
Reitan, A.
An effective Hamiltonian for the ABC effect. 366864
Pion charge exchange at rest. 359260
Reiter, E.O.
Simultaneous radioimmunoassay of thyrotropin and thyroxine in human serum. 362766
Reiter, K.
Process steam from LWR reactors. 370920
Reiter, R.
Applied vacuum technology on the field of nuclear fusion. 353549
The electric potential of the ionosphere as controlled by the solar magnetic sector structure. Result of a study over the period of a solar cycle. 354721
High-efficiency isolating valves with great nominal width and free optical penetration for nuclear facilities. 370665
Measurement of airborne radioactivity and its meteorolgical application. Part VI. Annual report, 1 August 1974 – 31 July 1975. (NYO – 3425-14) 378940
Reiter, W.L.
The use of silicon PIN-photodiodes as a low-energy photonspectrometer. 371124
Reithler, H.
Measurement of muon-neutrino and -antineutrino scattering of electrons. 353961
Muonless π^0-production by muon-neutrinos and -antineutrinos. 353962
Proceedings of the international neutrino conference Aachen 1976. 353665, 353697, 353768, 353776, 353808, 353839, 353901, 353925, 353927, 353929, 353931, 353932, 353942, 353946, 353948, 353951, 353953, 353957, 353958, 353961, 353962, 353963, 353976, 353979, 353980, 353981, 353985, 353986, 353990, 353991, 353994, 353995, 353998, 354241, 364584, 364586, 364597, 375048, 375064, 375067, 375069
Proceedings ot the international neutrino conference Aachen 1976. 353950
Reitsma, W.D.
Gallium scintigraphy for inflammatory masses. 352106
Reitz, G.
Some aspects of the etching behaviour of cellulose nitrate as track detector. 368296
Reivich, M.
Radiopharmaceuticals. XXVII. ^{18}F-labeled 2-deoxy-2-fluoro-D-glucose as a radiopharmaceutical for measuring regional myocardial glucose metabolism in vivo: tissue distribution and imaging studies in animals. 373600
Reizenstein, P.
Studies on human preleukaemia. 357613
Rej, D.J.
Production of field-reversing electron rings by ring stacking. 358933
Recent progress on the field-reversing electron ring experiments at Cornell. (INIS-mf – 3963) 371846
Rejkhe, P.
Complex spectroscopic investigations of double molybdates of Ksub(5)Ndsub(1-x)Bisub(x)(MoOsub(4))sub(4)composition. (INIS-mf – 3955) 378302
Rejman, G.
Investigations of the influence of oxide fuel and fission products on the mechanical properties of Zry-cladding tubes under accident conditions. (KFK – 2435) 358189
Rejman, S.I.
Moessbauer effect on Sn^{119} nuclei in system of mMg_2SnO_4-(1-m)$Mg_3(BO_3)_2$ solid. 348827
Rejtburd, L.E.
Influence of heat and radiation ageing and light ageing on the properties of polysulphone. 357158
Rejto, P.A.
An application of the third order JWKB-approximation method to prove absolute continuity. I. 366294, 366295
Rejzlin, V.I.
Equilibrium configurations of neutron systems with account of nuclear and gravitational interaction. 375133
Rek, Z.J.
High energy pp scattering in the additive eikonal quark model. (DESY – 77/61) 366836
QED background to heavy lepton production in e^+e^- annihilation. (DESY – 77/45) 353815
Scaling and impact parameter structure in pp scattering. 369266
Rekalo, A.P.
Radiative decay of etasub(c) and $e^+ + e^- \rightarrow \gamma + \gamma$ reaction. (KFTI – 76-27) 372420
Rekalo, M.P.
Hyperon inelastic scattering in a nuclear Coulomb field. 349080
Meson production with a "charme" differing from zero in hadron collisions. 375045
Spatial parity nonconservation in π meson photoproduction on nucleons. 369328
Rekawek, H.
A scattering chamber with solid state counters for a magnetic spectrometer. 376652
Rekonen, A.H.
Changes in cardiopulmonary power due to radiotherapy of bronchogenic carcinoma measured by radiocardiography. 379067
Rekova, L.P.
Helium desorption from tungsten foils irradiated by He^+. (KFTI – 74-47) 353496
On the argon ions irradiation effect on nickel oxidation in low-pressure oxygen. (KFTI – 75-35) 357436
Rekstad, J.
A study of ^{13}N by use of the reaction $^{13}C(^3He,p)^{15}N$. 372804
Rekun, G.M.
Erythropoietic activity of the plasma of irradiated animals. 379015

Rekveldt, M.Th.
Analysis of the magnetic domain structure of electrodeposited nickel studied by neutron depolarization. 353455
Static neutron depolarization measurements of ferromagnetic domain structures in a FeSi picture frame crystal. 361470
Relloux, R.M.
Quantitative characterization of crystallographic textures in zirconium alloys. 373218
Rem, J.
High-beta tokamaks surrounded by force-free fields. (INIS-mf – 3963) 371800
Remaud, B.
Deformed-quasiparticle basis for calculating potential energy surfaces and nuclear spectra. 364698
Remberg, A.
Device for the radial-centric thermobile support and centering of shaft sealing housings on external housing shells of turbomachines, in particular steam turbines. 352473
Rembser, J.
Role of government in the promotion and transfer of technologies. 352593
Remenyi, G.
Designing highly homogeneous superconducting magnets by computer. 349993
Remez, I.D.
Zero potentials of some metallic electrodes in solid oxidic electrolytes. 375545
Remez, L.A.
Total neutron cross section of molybdenum in the thermal range. 375084
Remizov, A.P.
Electrostatic analyzer for charged particles. (Soviet patent document 321165/A/) 379985
Remizov, O.V.
Crisis of heat transfer and its dynamics in a tube with cosinusoidal heat-evolution on the length. 379439
Remizova, L.A.
Experimental study of temperature fields into lanthanum trifluoride crystals growing by Czochralski method. 357055, 362206
Remizovich, V.S.
On the kinetics of charged particle implantation in dielectrics taking into account the effect of space charge build-up. (INIS-mf – 3996) 364100
Remnev, G.E.
Multichannel commutator for nanosecond generators. 363621
Sectioned Faraday cup. 376653
Remsberg, L.P.
Observation of the new nuclides ^{27}Ne, ^{31}Mg, ^{32}Mg, ^{34}Al, and ^{39}P. (ORO – 3924-29) 364753
Renard, A.
Analysis of transients in a LWR core with a simple model (CARREAU code). 370890
Comparative analysis of a hypothetical loss of flow accident in a LMFBR using different computer models for a common benchmark problem. 371051
Safety problems related to microheterogeneities in physically mixed oxide fuels. (CONF-761001 – P3) 363001
Renard, C.
Physical and electronic characteristics of the new generation of criticality probes. Testing under real accident conditions. 361029
Renard, Eh.V.
Basic problems of fast-reactor fuel recovery. 367193
Problems in using Purex-process for fast reactor fuel reprocessing. (IAEA-AG – 63-18) 362345
Renard, J.C.
Critical current degradation in high current Nb Ti composites subjected to time-dependent currents up to 10^4 A/s. 359901
Effect of the nature and structure of the matrix on losses in high current Nb-Ti multifilamentary composites. 359916
Transverse electrical conductivity of superconducting multifilamentary composites. 359909
Renaud, J.
New techniques for the treatment of uranium ores. 365108
Rene-Ferrero, J.B.
Use of body scanner in radiotherapy treatment planning. 357599
Renfro, W.
Uptake of plutonium from seawater and sediment by a marine polychaete worm. 379109
Renftle, R.
Bone affinity of sup(99m)Tc-EHDP compared to other bone seekers. (INIS-mf – 4010) 362754
Rengan, S.K.
Rotational motions in polyatomic liquids. 371671
Renk, I.W.
Kinetics of ^{111}indium chloride and comparison with ferrokinetics. 352116
Renken, J.H.
Determination of the probing distance in pulsed-neutron uranium logging experiments. 351945
In-core fuel motion detection in the Sandia Pulse Reactor. (SAND – 77-1015C) 368257
Perturbation analysis of changes in prompt fission neutron uranium-logging signals produced by trace neutron-absorbing rock constituents. 351946
Renneberg, W.
Peripheral anti pn production and decay angular distributions in the reaction $\pi^-p \rightarrow$ (anti pn)p at 12 GeV/c incident momentum. (BONN-HE – 77-14) 366886
Production of phi and f' in 10 GeV/c K^-p interactions. 353959
Renner, G.
Electron thermal conduction of current-carrying plasma in stellarators. (KFTI – 74-36) 348976
Renner, H.
On sawtooth oscillations and MHD modes in the W VII A stellarator. (INIS-mf – 3963) 371780
Renner, T.
Thermogenerator. 352357
Renner, T.A.
Chemical Engineering Division physical inorganic chemistry. Annual report, July 1975 – June 1976. (ANL – 76-101) 364847
Tritium permeation through steam generator materials. 360993
Rennie, C.A.
Reactor core consisting of a number of interspersed groups of identical columns. (German (F.R.) patent document 1817079/B/) 352594
Renou, J.
Difficulties that advanced countries have in transferring nuclear technology. 352595
Renoux, A.
Direct observation of labelled aerosols deposition into the respiratory tract of the rat. 354837
Renqan, S.K.
Pulsed ELDOR spectroscopy. 368349
Rensink, M.E.
Computation of the bounce-average code. (UCRL – 52233) 356103
Reversed field Vlasov equilibria and orbits in 2D axisymmetric 2XIIB configurations. (UCRL – 79844) 371718
Renton, J.J.
Use of uncorrected x-ray diffraction data in quantitative analytical determinations. (MERC/CR – 77/10) 372920
Renton, P.
Inclusive V^0 production in anti pp interactions at 12 GeV/c. 353939
A study of the reactions $K^-d \rightarrow K^-d$ and $K^-d \rightarrow K^-n$(psub(s)) at 4.5 GeV/c. 353954
Total cross sections for charged-current neutrino and antineutrino interactions in BEBC in the energy range 20-200 GeV. 353945
Rentzepis, P.M.
Separation of chemical species. (US patent document 4,044,252/A/) 367865
Renyi, A.L.
Substituted amphetamine derivatives. 357623
Repaire, J.L.
Measurement of the specific activity of organic matter fractions as applied to studies on the evolution of Guyana soils. 357495
Repalov, N.S.
The canonical formulation of conservative electromagnetic fields in cavities. 374080
Repin, A.I.
Alpha-sensor to check up nuclear radiation detectors and electronic circuits. (Soviet patent document 438957/A/) 355580
Small-size source of labelled alpha particles. 370682
Repin, N.I.
Samarkand complex facility for study on extensive air showers at the energy $> 2 \times 10^{14}$ eV. 363581
Repin, V.P.
Spectral-time analysis of modulation of poured out electrons and VLF-radiation on data obtained by the Interkosmos-5 satellite. 376046
Repnikov, S.P.
Observation of NMR signals on V^{51} nuclei in Fe-V films. 361479
Repnow, R.
Application of a spiral resonator for bunching picosecond heavy-ion pulses. 363263
Heidelberg 3MV c-w heavy ion postaccelerator section using independently phased spiral resonators. 363266
Operation experiences with the test section of a superconducting heavy ion post accelerator. 363252
Reppy, J.D.
Superfluid transition of ^{4}He films adsorbed on porous Vycor glass. 351105
Temperature dependence of the superfluid density in restricted geometries determined by an oscillating U-tube technique. 351130
Requejo, C.S.
Elimination of eight interfering radioisotopes in the determination of uranium by activation analysis with epithermic neutrons. (IEA – 470) 351453
Rescigno, T.N.
Discrete-basis-set approach to the minimum-variance method in electron scattering. 350641
Potential energy curves and predicted fluorescence for neon fluoride. 358628
Reshetnikov, F.G.
Technological aspects of fuel production for different power reactors. 368044
Reshetnyak, N.G.
Plasma focus discharge investigation in a zeta-pinch geometry. (INIS-mf – 3963) 371999
Reshina, I.I.
Light combination scattering spectrum and phase transition in VO_2. 355936
Light combination scattering spectrum in metal and semiconductive phases of V_2O_3. 356022
Reske, S.N.
sup(99m)Tc and ^{131}I labelled human serum albumin millimicrospheres for investigation of the reticuloendothelial system. (INIS-mf – 4010) 367639

Resmini, F.
Beam extraction studies for the proposed superconducting cyclotron at the University of Milan. 363128
Injection studies for the proposed superconducting cyclotron at the University of Milan. 363127
Model magnet for the proposed superconducting cyclotron at the University of Milan. 363126
Resnik, W.M. II
12D: code for conversion of ISOTXS structured data to DTF and ANISN structured tables. (LA – 6857-MS) 356544
12G: code for conversion of isotope-ordered cross-section libraries into group-ordered cross-section libraries. (LA – 6950-MS) 365797
Resnikoff, M.
Personnel radiation exposures in a fuel reprocessing facility. (HRP – 0006878) 352327
Rest, J.
Release of fission gas from high-burnup fuel during transient heating. 352639
Restaino, A.J.
Polymerization of unsaturated monomers with radiation in the presence of salts. (US patent document 4,024,040/A/) 351653
Rester, A.C.
Deformed-quasiparticle basis for calculating potential energy surfaces and nuclear spectra. 364698
Reszka, K.
Application of spin tracers in chemical dosimetry of ionizing radiation. 379938
EPR signals of polymer-radioprotective substance model in X radiation field. 378501
EPR spectra and alive fungi cells radioresistance. 378999
Influence of phenyltiourea on paramagnetic properties and radiosensitivity of Xenopus laevis embryos. 379018
Rethinasabapathi, C.
Curve stripping of the third phase of the renogram in essential hypertension. 373622
Rethmeier, J.
Timing experiments and burst suppression at the V.U. AVF-cyclotron. 357970
Retief, F.P.
Bone marrow imaging with iron 59. 376143
Uranyl-labelled antibody (ULA) method and its application for Rh antibodies. 365497
Rettinghaus, G.
Vacuum requirements for a satellite-borne mass spectrometer. 371178
Rettori, A.
Kondo effect from excited crystal-field levels in La/sub 1-x/Pr/sub x/Sn_3 compounds: Electrical resistivity. 359899
Magnetic susceptibility of the singlet ground-state system (LaPr)Sn_3. 367233
Reuben, D.M.E.
Hydrogen isotope exchange in the aldehyde group during the reduction of benzaldehyde by tritiated sodium borohydride (tetrahydridoborate). 351463
Reuben, J.
NMR of lanthanum-139. A new probe of macromolecular dynamics. 362517
Reucroft, S.
Σ^- production and decay properties in $K^-p \rightarrow \Sigma^-\pi^+$. 377807
Inclusive V^0 and γ production in pd interactions at 18 GeV/c. 351214
Reuk, E.P.
(d,^{6}Li) reaction on ^{12}C nuclei by 13.2 and 12.7 MeV deuterons MeV. 359485
Reumont, G.A. von
Hydrogen-induced transverse cracks in welded joints of higher-stength fine-grained structural steels. 351713
Reus, U.
Mass-yield distributions in the reaction of ^{56}Fe ions with ^{238}U. 351410
Reuschel, K.
Method of producing silicon monocrystals doped by neutron activation. (German (F.R.) patent document 2516514/B/) 354622
Reuscher, J.A.
Recent operational history of the new Sandia Pulsed Reactor III (SPR III). (SAND – 77-1116C) 379845
Reuss, J.
The anisotropy of the intermolecular potential for H_2- inert gas systems, determined from total collision cross section measurements with state selected molecules; the experimental setup and results. 368720, 368721
Calculation of the glory scattering with anisotropic molecule-atom interactions in sudden approximation. 371502
Collisions of hydrogen cluster ions with a gas target at 250-900 eV energy. 353303
Diffraction undulations in the differential cross sections of H_2-Kr calculated for an anisotropic potential. 355884
Glory scattering with a polarized NO beam. (INIS-mf – 3940) 348740
The total collision cross section of oriented H_2 scattered by N_2, CO, CH_4, CCl_4, SF_6, $C(CH_3)_4$, CF_4, N_2O and CO_2; derivation of anisotropic potential parameters. 361407
Reut, E.G.
Nature of wide-band luminescence of Eu and Yb bivalent ions in cyrstals of fluorite type. (INIS-mf – 3955) 366459
Reuter, B.
The handling system. 376588
Operating manual and safety specifications. 376565
Reuter, G.
Physiology and biochemistry of streptomyces. 11. 373611
Reuter, H.H.
Report on the first two IAEA courses on nuclear power project planning and implementation in Karlsruhe. 371309
Reuter, T.D.
^{133}Xe-ventilation scintigraphy: before or after Tc-perfusion scanning. (INIS-mf – 4010) 370496
^{201}thallium scintigraphy – a new method for radionuclide imaging of the uterus. 376191
Uterus scintigraphy with ^{201}Tl; a novel method in oncological gynaecology. (INIS-mf – 4010) 357648
Ventilation scintigraphy with ^{125}Xe – first results. (INIS-mf – 4010) 370497
Reuter, W.
Measurement of soft x-ray mass absorption coefficients by a thin film technique using proton-induced x-rays. 354024
Reuther, T.C. Jr.
Role of simulation in the fusion reactor materials program. 359004
Reutler, H.
Development proposals for large pebble-bed cores – equilization of the pebble flow and modified shutdown system. 379690
Layout and arrangement of a PNP prototype plant. 370957
The shutdown concept of a 3000 MWth process heat reactor. 370977
Reutov, B.F.
Experimental study of cesium vapor thermal conductivity. 373279
Reutov, V.F.
Circumferential nonuniformity of cladding radiation swelling of fast reactor peripheral fuel elements. 376444
Inelastic contribution to the radiation damage of Cu and Ni exposed to charged particles. (KFTI – 75-35) 353440
Reutskaya, I.E.
Measurement of beam losses and nonuniformity of electroconducting coating of an acceleration tube of an induction linear accelerator. 370739
Revathy, P.
Coronal heating by ion acoustic waves. 353708
Revel, D.
Channel cross sections of K^-p reactions from 1.934 to 2.516GeV/c. (LPC – 77-01) 369354
Study of the reaction $\pi^+p \rightarrow K^+\Sigma^+$ between 1.721-1.954 GeV c.m. energy. 356528
Revel, G.
Determination of carbon in metals by photon activation. 364864
Determination of silicon in metals by thermal neutron activation. 375344, 375345
Revenchuk, S.M.
Spatial echo in a semibounded magnetoactive plasma. 361606
Revenko, Yu.F.
Nonlinear changes in energy gap and phonon frequencies of indium under pressure. 353422
Revesz, L.
Effect of radioprotective aminothiols on the induction and repair of single-strand breaks in the DNA of irradiated mammalian cells. 376067
Revin, A.F.
Molecular mechanisms of stimulating action of an ionizing radiation on seeds. 367474
Revina, G.I.
Isolation and identification of the chemical nature of a natural modifier of radiation mutagenesis in Vicia faba and its possible mechanism of action. 362653
Revina, V.S.
Effect of high-polymeric homologous DNA on changes in the duodenum epithelium of rats irradiated with the dose of 820 R. 370361
Reviznikov, L.I.
Electroslag remelting effect on the weldability of chromium-nickel steel-Kh16N15. 359875
Revyakin, A.V.
Study on niobium reduction during vacuum melting. 378576
Revzen, M.
Calculations of mass diffusion in HeII. 377697
Rewaj, T.
Temperature dependence of the cubic splitting of Gd^{3+} EPR spectrum in single crystal ThO_2:b_4^0 as a funciton of inter-ionic distance. 377274
Rewienska-Kosciukowa, B.
Isotopic method for determining nonmetallic oxide inclusions (products of the deoxidation process) in steel. 373959
Rewoldt, G.
Integral formulation for the two-dimensional spatial structure of drift and trapped-electron modes. (PPPL – 1387) 368984
Rey, C.A.
Direct measurement of the π^- form factor. 372514
Rey, G.
Experimental evidence of ion heating by transit time magnetic pumping. 353516
Tokamak discharges in Petula with alumina chamber. (INIS-mf – 3963) 371737
Reya, E.
Charm effects in deep inelastic muon-proton scattering. 377731
Dynamical determination of parton and gluon distributions in quantum chromodynamics. 366841
Reymann, A.
Design of an irradiation device for the determination of the in-pile creep behavior of zircaloy cladding tubes under internal and external over-pressure, in FRG-2. 360737
Reymond, M.-C.
Iron ore and graphite acoustic emission. (CEA-CONF – 4029) 370787

Reynolds, A.
Steady state heat transfer analysis of molten core-reactor vessel system. 355487
Reynolds, A.B.
Condensation of fuel onto the above-core structure during an LMFBR core-disruptive accident. (NUREG – 0344) 373805
First-generation model to predict particle-size distributions for condensed UO_2 vapor. 352253
Nonequilibrium evaporation and condensation in liquid-metal fast breeder reactor fuel expansion. 362999
Primary aerosol particle-size distribution from homogeneous nucleation condensation and particle growth. (NUREG – 0391) 379265
Reynolds, A.W.
U.S. commercial nuclear power: a status report. (PB – 272081) 371220
Reynolds, B.G.
Benchmark specifications and solutions: two fast reactor safety-related slowing-down problems. 360471
Reynolds, C.L. Jr.
Kapitza resistance to solid He^4 below 1 K. 364453
Thermal boundary resistance at metal-epoxy interfaces. 367316
Thermal conductivity of an electrically conducting epoxy below 3 K. 367320
Reynolds, G.
Pressure transients across HEPA filters. 359851
Reynolds, G.L.
Tensile creep of beta phase zircaloy-2. (CEGB-RD/B/N – 4073) 354502
Reynolds, G.M.
Gamma-ray spectrum enhancement. (SAI – 77-518-LJ) 351944
System optimization for prompt-neutron activation analysis of coal. 378154
Reynolds, J.A.
Interface temperature criteria and the spontaneous triggering of small-scale fuel-coolant interactions. 370547
Reynolds, J.G.
Crystal structure of tetrakis[bis(N,N'-dimethylethylenediamido)uranium(IV)], a tetrameric globular complex. 367150
Structure of uranyl nitrate-bis(tetrahydrofuan). 378486
Reynolds, N.
Double-antibody radioimmunoassay for factor VIII-related antigen. 362774
Reynolds, R.A.
Erratum: Application of a multiwire proportional chamber to the detection of axoplasmic transport. 358393
Reynolds, R.S.
Scintillation spectrometer system for measuring fast-neutron spectra in beam geometry. (ANL – 77-58) 363541
Reynolds, S.A.
Field and laboratory observations on plutonium oxidation states. (BNWL – 2117) 369733
Reynolds, S.I.
Formation of small sparks. 366500
Reyss, J.-L.
Production of radionuclides by cosmic rays at mountain altitudes. 362592
Rez, A.I.
Spontaneous positron production by a Coulomb center in a homogeneous magnetic field. 377090
Rezai-Zadeh, K.
Longitudinal multiplane emission tomography (Pho-Con) characteristics, limitations and clinical applications. (INIS-mf – 4010) 358354
Rezepov, V.K.
Device for displacement transfer into a leak-tight cavity. (Soviet patent document 443416/A/) 358102
Reznichenko, A.A.
Homogeneization of the germanium telluride. 378626
Reznichenko, Eh.A.
Studies of the effect of molybdenum-, silicon- and iron additions on the uranium-alpha radiation-induced growth at low-temperature irradiation. (KFTI – 74-47) 354632
Reznichenko, V.A.
Production of titanium alloys with uniform distribution of heat resisting metals. 378573
Reznik, B.L.
Analysis of new data on the sup(40)Ca(e,e'p) reaction in the multi-particle approach frameworks. 377885
Reznik, M.I.
Study on the influence of selenium crystallization on the strain-resistance effect in diodes. 355930
Reznikov, A.I.
Role of different interactions in intermultiplet relaxation at atomic collisions. (INIS-mf – 3915) 350672
Reznikov, B.I.
Evolution of magnetic binaries with mass loss. Pt. 1. Computations without a magnetic field. 372151
The evolution of magnetic binaries with mass loss. Pt. 2. Calculations with magnetic fields. 372152
Reznikov, I.V.
Use of the FEU-114 photomultiplier with dynode gills system in the regime of photon counting. 371149
Reznikov, L.
Preparation of an ENDF/B-IV library for the fuel depletion code LEOPARD. (INIS-mf – 4052) 376445
Reznikov, M.I.
Investigation into formulation of iron corrosion product deposition on the surfaces of steam generating channels. 365084
Reznikov, R.S.
Timing properties study of serial coaxial Ge(Li) detectors of large volume. 371078
Reznikov, Yu.A.
Acoustic emission testing of samples under external static load. 349411
Reznikova, S.S.
Study of fast chemical reactions in solutions of complex ions by amalgam polarography with accumulation. 369695
Reznitskij, A.N.
Multiphonon processes in resonance scattering and exciton luminescence in crystals. 371628
Reznitskij, L.A.
Heat capacity of lanthanum chromite at 80-300 K. 369616
Heat capacity, enthalpy and entropy of lanthanum chromite in the range of 298 to 900 deg K. 369647
Rezvan, Y.
An O(3,1) approach to Maxwell's equations. 369329
Rezvov, A.V.
Surface impedance of plasma with mirror-diffusion scattering of particles on a boundary. Pt. 1. 364242
Rezvov, V.A.
Light circuit for data transmission in accelerator component control. 357973
Stabilized current sources on the basis of commercial thyristor converters. 358418
Thyristor modulator for an arc ion source of a cyclotron. 376377
Rezvykh, K.A.
Experimental study on the accuracy of electrostatic field calculation by the subsequent upper relaxation method. (FEI – 642) 376383
RGrigorov, A.I.
Structure and friction properties of cermet and oxide explosion coatings. 370034
Rhamy, R.K.
Fatty acid synthesis in human testis incubated with [1-^{14}C] acetate. 367618
Rheault, F.
X-ray emission measurements from CO_2-laser-created plasmas. 350921
Rhee, M.J.
Experimental study of microwave generation and suppression in a non-neutral e-layer. 350828
Observation and suppression of radial beam blowup in the Maryland ERA. 363203
Recent results of the University of Maryland research program on collective ion accelerators. 363202
Rhee, S.J.
Natural-convective cooling of a bed of fuel debris. 352287
Rhein, K.H.
Dead-time circuit for pulse counting in activity measurements of high accuracy. 374354
Rhinehammer, T.B.
Safety Analysis Report for Packaging (SARP): USA/9507/BLF (ERDA – AL), Model AL-M1. (MLM – 2447) 379473
Rhines, D.
Properties of the reaction anti pp→$K^+K^-\pi^+\pi^-$ at 2.32 GeV/c. 369366
Rhines, P.B.
Oceanographic processes and the ultimate disposal of high-level radioactive waste. 352875
Rhines, R.K.
The effect of naloxone and morphine on ^{3}H-l-lysine in vivo incorporation into various neurons separated from fixed rat brain preparations by ultrasonification: A comparison of morphine effects betWeen wistar and Sprague-Dawley rats. 357622
Rho, M.
Abnormal phase in dense neutron star matter. 362015
Probing the pion field in nuclei. 354094
Rhoades, T.
K^-n elastic scattering between 610 and 840 MeV/c. 356502
Rhoades, W.A.
New weighted-difference formulation for discrete-ordinates calculations. (CONF-771109 – 53) 372572
Rhoads, K.
Quantative autoradiography of inhaled $^{239}PuO_2$ in the lung. (BNWL – 2100(Pt.1)) 360336
Rhoads, R.E.
Technology, safety, and costs of decommissioning a reference nuclear fuel reprocessing plant. (NUREG – 0278(Vol.1)) 365113, 365114
United States experience in the transport of radioactive materials. 367952
Rhodes, A.J.
Frequency of hepatitis B surface antibody (anti-HBs) in various Canadian populations as measured by modified solid-phase radioimmunoassay. 360391
Rhodes, B.A.
Automatic analysis of GCS for radiopharmaceutical quality control. (INIS-mf – 4010) 369569
A rapid one-step kit for the routine preparation of basic sup(99m)Tc penicillamine. 375656
Rhodes, C.G.
Microstructure and hydrogen performance of Alloy 903. 357317
Rhodes, C.K.
Nuclear fission fragment excitation of electronic transition laser media. (CONF-760646 –) 371932
Rhodes, D.W.
Leak testing fuel stored in the ICPP fuel storage basin. (ICP –

1118) 374436
Rhodes, J.T.
Impact of reduced hot channel factor limits on the operation and the reload core design and licensing of the Surry 1 and 2 reactors. 358233
Rhodes, R.G.
A superconducting maglev test facility for high speed transport. 360643
Rhodin, T.N.
Photoemission study of coverage-dependent chemisorption interaction between CO and Ir(111). 349520
Rhyne, J.J.
Re-analysis of dysprosium magnetostriction. 356014
Small-angle magnetic scattering from a dilute amorphous Fe(Tb) alloy. 373255
Riadovikov, V.N.
Λ and anti Λ production in K⁺p interactions at 32 GeV/c. 372512
Riauka, V.
Galvano-magneto-recombination effects in ion-bombarded surface layers of solids. 370181, 377270
Rib, T.M.
Does acute radiation exposure cause dehydration in the brain. 360274
Ribansky, I.
Measurement of (n,2n) and (n,p) cross sections at 14,7 MeV. 356784
Ribeiro, S.C.
The antiferroelectric phase in KCN. (PUC-TN – 23/76) 350777
Electron-spin resonance studies of phase transitions in KCN. (PUC-TN – 14/76) 350787
EPR of CU^{+2}:Mb single crystal. (PUC-TN – 24/76) 351787
ESR identification of F centers in KCN. (PUC-TN – 13/75) 353412
Ribrag, M.
Neutron-multiplicity in deep inelastic collisions: 365 MeV Cu+Au system. 356855
Ricany, J.
Safety and reliability of nuclear power plant operation. Part 2. 349899
Ricard, A.
Energy transfer between excited states. 359005
Nitrogen excitation in a high pressure microwave discharge. 353581
Ricateau, P.
Reactors for heat production and the development of district heating in France. 376806
Riccabona, G.
Dynamic and static brain scintigraphy for the detection of brain tumor recurrences. (INIS-mf – 4010) 362820
Riccardella, P.C.
Boiling Water Reactor feedwater nozzle/sparger interim program report. Supplement No. 2: fracture mechanic analysis of JAERI model pressure vessel test. (NEDO – 21480-02) 379291
Riccati, L.
Strange particle production by antineutrinos. 356505
Ricci, F.F.
Toroidal SQUID with ferromagnetic core superconducting transformer. 367916
Ricci, R.A.
The XTU tandem of the Laboratori Nazionali di Legnaro (Padova). 357988
Ricco, B.
The electronic susceptibility and charge density waves in 2H layer compounds. 377185
A tight binding fit to the bandstructure of 2H-$NbSe_2$ and NbS_2. 377184
Ricco, G.
Non-local optical potential: theoretical and phenomenological aspects. 356601
Photonuclear reactions above the giant dipole resonance. 349147
Rice-Evans, P.
On the multiple scattering of cosmic rays at sea level. 356309, 359152
On the origin of dark spaces in plasmas. 356151
On the trapping rate of positrons in deformed lead over the temperature range 4-100 K. 377275
Rice, A.G.
Measurement of water volumes in different animal species with radioisotopes. 376173
Rice, D.W. Jr.
Impact and fate on aquatic environments of copper from nuclear power plants. 349892
Rice, J.R.
Combined macroscopic and microscopic approach to the fracture of metals. Technical progress report, July 1976 – June 1977. (COO – 3084-53) 362412
Rice, R.W.
Further discussion of precipitation in partially stabilized zirconia. 357378
Rice, S.A.
Comment on "Probability of escaping neutralization when the mobility is field dependent". 367160
Numerical investigation of tunnelling contributions to electron scavenging reactions in liquids at short times. 362252
Richard-Serre
Decay studies of some nuclei around Z = 50: sup(106 m)Ag, sup(103, 119, 121)Cd. (INIS-mf – 3946) 362070
Richard-Serre, C.
Decay of ^{46}Ar. 369488
Richard, F.
Impact parameter analysis of the reaction $\pi^-p \rightarrow p\pi^+\pi^-\pi^-$ at 9 and 12 GeV/c with very fast secondary proton. 356510
Richard, H.
Determination of radioiodine in air in the environment of nuclear facilities. (SGAE – 2691) 373861
Experience from purification of sodium-wetted components at the KNK-facility. (CONF-760503 – P2) 352797
KNK-II spent fuel element management. 376576
Nuclear start-up of KNK-II. 371047, 371048
Nuclear start-up. 376583
Operational tests. 376584
Process computers and their application in the KNK-II reactor. 376475
Safety and process instrumentation – layout. 376465
The start-up programme. 376585
Richard, J.
Superconductivity of the linear trichalcogenide $NbSe_3$ under pressure. 351868
Richard, J.M.
Some problems with the hyperfine structure of charmonium. 356454, 369324
Richard, J.P.
Lunar surface gravimeter experiment. Final report. (N – 77 – 18981) 351016
Richard, M.R.
Formation, propagation, and structure of laser supported detonation waves and their effect on laser-target interactions. 372000
Richard, P.
Utilization of α-autoradiography of rocks in the investigation of the radioactive equilibrium. 367028
Richards, D.
Classical collisions of protons with hydrogen atoms. 371462
Richards, L.E.
Opening angles of electron-positron pairs. 356520
Richards, M.
Oscilloscope trace photograph digitizing system (TRACE). (SAND – 77-0355) 379939
Richards, M.G.
Temperature dependence of spin diffusion coefficient and T_2 for dilute ^{3}He in solid ^{4}He. 377677
Richards, P.
^{123}Xe – ^{123}I generator: a preliminary report. (BNL – 22993) 352343
Richards, P.C.
Impact of pyrophoricity of weak-acid-resin kernels on head-end reprocessing. (GA-A – 14482) 375746
Initial performance evaluation of major components in the head-end reprocessing solids handling system. (GA-A – 14508) 373116
Selection and testing of on-line samplers for head-end reprocessing. (GA-A – 14634) 373117
Richards, P.J.
Statistical investigation of compact emitting regions in extragalactic radio sources. 374872
Richards, P.L.
Far-infrared photoconductivity of uniaxially stressed germanium. 361040
Superconductive bolometers for submillimeter wavelengths. 374004
Richards, P.M.
Theory of one-dimensional hopping conductivity and diffusion. 358896
Richards, R.F.
Prediction method by black box modelling. 363631
Richards, W.G.
Radioastronomical frequency for interstellar NH^+. 369236
Richardson, A.E.
Improved images in 14.5 MeV neutron radiography. 374108
Richardson, F.S.
Emission spectra of $Cs_2NaTbCl_6$ and Cs_2NaYC_6: Tb^{3+}. 368711
Richardson, G.L.
Treatment and immobilization of intermediate level radioactive wastes. (HEDL-SA – 1244) 363648
Richardson, J.H.
Trace uranium: its measurement by time-resolved fluorescence. (UCID – 17549) 364917
Richardson, L.J.
A miniature continuously filled He^4 cryostat. 376324
Richardson, M.
Creep deformation and rupture behavior of type 304/308 stainless steel structural weldments. (ORNL – 5265) 357228
Elevated-temperature benchmark tests of simply supported beams and circular plates subjected to time-varying loadings. (ORNL – 5301) 358058
Richardson, M.C.
Backscatter and beam refraction in underdense gas breakdown with nanosecond CO_2 laser. 350810
Self-steepening of the density profile of a CO_2-laser-produced plasma. 366534
X-ray emission characteristics of plasmas created by a high-intensity CO_2 laser. 358939
Richardson, R.C.
^{3}He melting pressure temperature scale. 359198
Richardson, R.W.
Pairing in the limit of a large number of particles. 351306
Richel, H.
High spin states in lead isotopes with A between 193 and 199. (IPNO-PhN – 77-17) 359450
Richert, J.
Perturbative description of correlations in the wave function of a nondegenerate nuclear system. (LYCEN – 7702(pt.2)) 369427
Statistical fluctuations and the double differential cross section for energy and angle in deep inelastic reactions. 375101

Richey, J.D.
6-methoxy-2-benzoxazolinone synthesis in 1,3-butanediol. 349331
Richings, L.D.G.
Training in radiological protection in the United Kingdom. 355676
Richman, C.
Dosimetry of pion therapy beams. 352351
Richmond, J.R.
Early clearance of inhaled radiocobalt. 354867
Richmond, R.
Effect of steam entry in a GCFR core. (CONF-761001 – P2) 362979
Evaluation of iron cross sections for fast reactor lattices and shields with the aid of measured neutron spectra. 370794
Richmond, R.C.
Radiation-induced DNA damage and lethality in E. coli as modified by the antitumor agent cis-dichlorodiammineplatinum(II). 365367
Richold, M.
Metabolic studies in rats of ^{75}Se incorporated in vivo into fish muscle. 352072
Richter, A.
Analysis of x-ray spectra excited by x rays, electrons, and protons in monazite. 351322
Consequences of isospin mixing for compound nucleus reactions. (IKDA – 77/12) 364691
Electron scattering studies of selected electric and magnetic dipole and quadrupole transitions in light and heavy nuclei, the new multipole giant resonances and atomic transitions – recent results from the DALINAC. (IKDA – 77/14) 364819
High resolution inelastic electron scattering and the excitation of magnetic dipole and quadrupole states in nuclei. (IKDA – 77/13) 364796
Inelastic electron scattering, radiative width and magnetization density of the 2^+, T = 1 state at 16.11 MeV in ^{12}C. 372755
Isospin forbidden electroexcitation of the 1^-, T = 0 state at 6.95 MeV in ^{40}Ca, continuum shell-model and effective charge of the convection current. 369483
Latest from the DALINAC. 349148
Study of the electric monopole transitions between the ground state and the first excited 0^+ state in $^{40\ 42\ 44\ 48}$Ca with high resolution inelastic electron scattering. 377998
Richter, A.K.
Influence of finite injections and of interplanetary propagation on time-intensity and time-anisotropy profiles of solar cosmic rays. 356317
Solar polar coronal hole – a mathematical simulation. 364410
Richter, B.
D meson production and decay in e^+e^- annihilation at 4.03 and 4.41 GeV c.m. energy. 353989
From the psi to charm: the experiments of 1975 and 1976. 351229
From the psi to charm: the experiments of 1975 and 1976. 356521
K^0 production in e^+e^- annihilation. 353983
Physics with very high energy e^+e^- colliding beams. (CERN – 76-18) 375013
Production of new particles and muon-electron events in e^+-e^- annihilation at spear. (SLAC-PUB – 1737) 377825
Properties of the proposed tau charged lepton. 356517
Spin analysis of charmed mesons produced in e^+e^- annihilation. 351228
Total hadron cross section, new particles, and muon electron events in e^+e^- annihilation at SPEAR. (SLAC-PUB – 1706) 377824
Richter, C.E.
The diffusion of ion-implanted zinc in GaAssub(1-x)Psub(x). 350760
Richter, D.
Disposal of radioactive wastes produced in nuclear installations in the German Democratic Republic. 358533
On the detection of nuclear spin waves by inelastic neutron scattering. 353504
Richter, F.
High-current plasma accelerator for the investigation of plasma wall interaction. 350899
Richter, F.W.
Sternheimer antishielding of the fluorine ion in octahedral $(MeF_6)^4$-complexes of transition metals from perturbed angular-correlation measurements. 374677
Richter, G.
Reactor coolant pump for a nuclear reactor. (German (F.R.) patent document 2508812/B/) 355266
Richter, G.M.
Structure and evolution of compact radio sources. 351070
Richter, H.
Changes of in vitro measured thyroid specific parameters, induced by the use of oral contraceptives. (INIS-mf – 4010) 370498
Copper and nickel alloys and titanium for seawater applications. 359834
Evidence for the non-Lorentzian shape of x-ray spectra. 368648
Richter, J.P.
Fiber Optic Telemetry System for LLL High-Voltage Test Stand. (UCRL – 79688) 372001
Richter, K.
Energy calibration of electron spectrometers. 374355
Safe handling of kilogram amounts of fuel-grade plutonium and of gram amounts of plutonium-238, americium-241 and curium-244. 360692
Study of uranium-plutonium carbide-based fuel simulating high burnup. 378458
Richter, K.J.
Corrosion behaviour of Zr-1 wt% Nb cladding tubes for nuclear fuel elements. (SAAS – 219) 354468
Richter, L.
Backbending behaviour of rotational bands in $^{163\ 165\ 167}$Yb. 362094
Backbending behaviour of rotational bands in ^{163}Yb, ^{165}Yb and ^{167}Yb. (ZfK – 336) 364820
In-beam-spectroscopy of subnanosecond delayed conversion electrons with a new recoil shadow technique. (ZfK – 336) 364738
Positron production in superheavy ion-atom collision systems. 376966
A search for positron emission from atomic collision processes. (ZfK – 336) 364737
Richter, P.W.
High pressure synthesis of Gd_3InO_6, Tb_3InO_6, and Lu_3InO_6. 365209
Richter, R.
Calculation of nonstationary thermodynamical processes in a WWER-440 type PWR nuclear power plant unit. 355399
Richter, V.
Lifetime measurements of the 3^+ and 4_1^+ states in ^{192}Pt. 372720
Rickard, C.L.
Future advanced energy systems. 352699
Gas-cooled fast reactor safety. 371049
Rickard, I.C.
Theory, capabilities, and use of the three-dimensional reactor operation and control simulator (ROCS). 374130
Rickard, W.H.
Land use. (BNWL – 2100(Pt.2)) 365294
Rickayzen, G.
Anisotropic impurity scattering and the electromagnetic surface resistance of aluminium. 375882
Ricken, E.
KNK-II design with regard to neutron physics and thermohydraulics. 370806
The layout of the KNK-II reactor core. 376570
Ricker, C.W.
Loose-parts monitoring: present status of the technology, its implementation in U.S. reactors, and some recommendations for achieving improved performance. (CONF-770902 – 5) 368112
Ricker, G.R.
Discovery of an X-ray QSO. 366741
Is Fairall 9 an X-ray Seyfert galaxy. 369190
Observations of Cygnus X-3 from a balloon-borne x-ray telescope. (CONF-7510169 –) 364396
Rickert, R.J.
Liquid cooled and moderated nuclear reactor. (German (F.R.) patent document 1639171/B/) 355354, 368026
Rickett, F.E.
Use of high performance liquid chromatography to separate very small quantities of radio-labelled metabolites from biological tissue. 354909
Ricketts, C.
Measurement of plasma volume using ^{59}Fe-labelled transferrin. 379151
Pressure transients across HEPA filters. 359851
Ricketts, M.J.
The Ariel V (SSI) catalogue of high galactic latitude (bar b bar > 10^0) X-ray sources. 372138
A deep search for x-ray emission from radio quasars with Ariel V. 356344
Improved position for the x-ray source 3U0527-05. 361752
Rickman, J.
Quantitative examination of electron beam induced carbon deposition at a polycrystalline tungsten surface studied by Auger electron spectroscopy. 354528
Rickman, J.D. Jr.
High-pressure sodium lamp arc tube temperature and alumina sublimation. 350928
Rickman, W.S.
Process development report: 0.20-m secondary burner system. (GA-A – 14542) 373125
Ricq, J.C.
An attempt to select suitable elements to characterize an ancient ceramic by neutron activation analysis. 372849
Ricque, R.
Determination of mass flow rate and quality using a turbine meter and a venturi. 376511
Ridder, D.
Spectroscopic examination of the argon $L_{2,3}$-Auger spectrum following excitation by light projectiles. 377104
Spectroscopic examination of the argon Lsub(2,3)-Auger spectrum following excitation by light projectiles. 358812
Ridder, O.W. de
The electron capture decay of ^{131}Ba. 378040
The electron capture decay of sup(106m)Ag. 377996
Riddle, A.C.
Planetary radio astronomy experiment for Voyager missions. 374979
Riddle, C.
Determination of Rb and Sr by x-ray fluorescence in the measurement of radiometric ages. 356982
Ride, S.K.
Absorption of X-rays in the interstellar medium. 374950
The interstellar medium in the direction of the crab nebula: reconciling soft X-ray and radio observations. 374951
Riden, M.D.
Station modification during plant startup and operation. 358158
Ridky, M.
Transverse momenta correlations in annihilations at 5.7 GeV/c. 366885
Ridolfo, A.S.
Quantitative evaluation of rheumatoid arthritic activity with /sup

99m/Tc HEDP. 373682
Ridpath, I.
The mini-planet. 356310
Riedel, F.
Use of magnetic tape services in the field of scientific and technical information. (Zfl-Mitt – 7) 374489
Riedel, H.
Compilations of nuclides determined by examination of aerosol and iodine filter samples from the exhaust air control system of the nuclear power plants Gundremmingen, Obrigheim, Wuergassen, Stade, Lingen and Biblis in 1974. (STH – 6/75) 349907
Studies on radioiodine concentrations in air, precipitation, grass, cows' and goats' milk after the Chinese nuclear bomb test on September 26th, 1976. (STH – 3/77) 354673
Rieder, C.
Preparation and characterisation of dithiophosphinato-complexes of yttrium and the lanthanoids. 369690
Riediger, G.
The testing of high efficiency particulate air filters according to the German standard DIN 24 184. 360519
Riedinger, L.L.
Contrasting behavior of hsub(9/2) and isub(13/2) bands in ^{185}Au. 378014
Levels in ^{164}Yb from ^{164}Lu decay. 351373
Riedl, H.
Trace element analysis in thick organic specimens by photon excited X-ray fluorescence. 356927
Riedle, V.
Safety Technology Research Program in the field of pressurized water reactors. 1. Technical report on advancement project RS 36/2. Emergency cooling program service life experiments: reflooding experiments involving the primary loop systems. (LA-tr – 77-44) 352292
Riedmueller, W.
First results on the confinement of a laser-produced plasma in the W IIb stellarator. (INIS-mf – 3963) 371741
Rieffe, H.C.
Adjusted capture cross sections of fission product nuclides from STEK reactivity worths and CFRMF activation data. (ECN – 28) 362051
Rieffe, H.Ch.
Damage cross section library (DAMSIG77). (ECN – 36) 375961
Riege, U.
Long term leaching of silicate systems: testing procedure, actinides behaviour and mechanism. (KFK – 2456) 354352
Rieger, H.
Perfusion of the isolated rat brain with [^{14}C]-Δ^1-tetrahydrocannabinol. 367588
Riehl, J.P.
Emission spectra of $Cs_2NaTbCl_6$ and Cs_2NaYC_6: Tb^{3+}. 368711
Riehs, P.
A detailed analysis of the reaction ^{92}Zr(p, α)^{89}Y. 377891
Riekstinya, D.V.
Determination of impurity elements in initial MgO, MnO and CuO-ferrite materials by activation analysis. (INIS-mf – 4188) 375342
Instrumental neutron activation determination of manganese content in rocks using linear 5 MeV electron accelerator. (INIS-mf – 4188) 375277
Riel, G.
Early clearance of inhaled radiocobalt. 354867
Riele, P.J. te
Sending scintigrams over the telephone. (INIS-mf – 4010) 363615
Riemath, W.F.
Progress in developing a portable blood irradiator for medical applications. (BNWL – 2100(Pt.1)) 360319
Rienecker, F.
Shiva optical diagnostics. (UCRL – 79776) 377521
Shiva target irradiation facility. (UCRL – 79784) 377476
Rienecker, F. Jr.
Experimental laser fusion devices and related vacuum problems. (UCRL – 79176) 358991, 368980
Riepe, K.B.
High-voltage microsecond pulse-forming network. 350929
Switching requirements for laser fusion. (EPRI-ER – 376-SR) 361615
Rieppo, R.
A relationship between the point and extended volume source geometries in the calculation of the efficiency values for NaI detectors. 363587
Riera, A.
Collision models of intra-multiplet transitions at thermal energies. 353339
Collision models of intramultiplet transitions at thermal energies. 368644
Ries, G.
Multifilamentary superconductor with alternating twist in a transverse pulsed field. 352384
Superconductor. (German (F.R.) patent document 2517924/B/) 366799
Ries, L.M.
Carbon, nitrogen, and oxygen abundances in 11 G and K giants. 372203
Rieseberg, H.
Measurement of the $(K^+ \rightarrow \pi^0 \mu^+ \gamma)/(K^+ \rightarrow \pi^0 e^+ \gamma)$ branching ratio. 356509
Riesenfeld, W.
Observation of propagating m = 1 waves in Scyllac. 348895
Riesing, J.
Purification of drinking water from radioactive contamination by final consumers by means of combined cation and anion exchangers. (SGAE – 2777) 373757
Riess, R.
Chemical decontamination of reactor components. (BMFT-FB-K – 77-01) 355023
Chemical decontamination of reactor systems. 370634
Investigation of the crud deposits on pressurized water reactor fuel elements. (BMFT-FB-K – 77-12) 376526
Riester, J.L.
Strange particle production by antineutrinos. 356505
Study of neutrino proton elastic scattering in the 'Gargamelle' freon experiment. 377821
Riesz, P.
E.s.r. of free radicals in aqueous solutions of substituted pyrimidines. 376069
Riet, A. van 't
Patient doses due to a diagnostic X-ray picture. (IRI – 190-77-01) 355046
Riethmueller, R.
Experimental investigation of the formation of critical boiling nuclei in superheated sodium. 374262
Rietschel, H.
Mechanisms of superconductivity at high transition temperature. 375006
Rieze, P.
E.s.r. of spin-trapped radicals in aqueous solutions of amino acids. 365359
Riffel, F.
On-line slurry analyses by californium-252. 373945
Rigal, W.M.
Abnormal localisation of gallium-67 citrate in pseudohypertrophic muscular dystrophy. 360369
Rigali, L.
Spectrophotometric determination of uranium in sea water after extraction with aliquat-336. 369521
Rigas, D.A.
Studies of genetic alterations in human cells and molecules and the factors influencing them. Studies on the biophysical and biochemical basis of the radiosensitivity and interphase death of mammalian cells. Final report, August 1, 1971 – June 30, 1976. (RLO/2226/T1 – 16) 378976
Rigg, S.
Nuclear reactor. (German (F.R.) patent document 1614939/B/) 352628
Prestressed pressure vessels. (UK patent document 1491462/A/) 368027
Riggio, M.D.
Seismic qualification of the rotary relay for use in the Trojan and Diablo Canyon Auxiliary Safeguards Cabinets. (WCAP – 9194) 373862
Righi, D.
Natural carbon-14 dating of organic matter from spodic horizons of podzols in the Medoc Landes (France). 357496
Righini, R.
Probabilistic analysis of accidental transients in a LMFBR. (CONF-761001 – P3) 365512
Rigny, P.
Uranium(IV)-crown-ether complexes and cryptates. 373004
Rigo, P.
Diagnostic applications of ^{123}I as a routine thyroidal tracer. (INIS-mf – 4010) 370431
Reliability of myocardial imaging with thallium-201 to visualize myocardial ischaemia in coronary artery disease. 354943
Rigo, S.
Rutherford scattering analysis of thermal interactions between amorphous or crystalline silicon and tantalum films. 370035
Rigutti, M.
Comparison betwen some Hα and X-ray flares. 356227
Rihan, T.H.
On-shell prescription in three-particle scattering. 364714
Riihimaa, J.
S-bursts in Jupiter's decametric radio spectra. 369191
Rijkeboer, C.
Employment of a completely automated mass spectrometer in fissile material control. (KFK – 2319) 371294
Rijsenbrij, D.B.B.
A KKRZ calculation on indium. 353481, 355987
Rijssenbeek, M.M.H.M.
A search for the I peak at 2.60 GeV/c^2 in 12 GeV/c anti pp interactions in the CERN 2m HBC. 377781
Rikhter, Eh.
Delay unit with adjustable limits and output cascade for pulse forming. (JINR-R – 13-10697) 371098
100 MHz measuring generator. (JINR – 13-9676) 379997
Riklis, E.
Mutagenic activity of photosensitizing drugs – a comparative study. (INIS-mf – 4052) 373605
Photochemistry of 5-bromouracil with psoralen: a probe to elucidate the mechanism of 5-bromouracil sensitization. (INIS-mf – 3663) 354731
Radiation and man – evaluation of biological and environmental low level radiation effects. (INIS-mf – 4052) 367533
Rikovska, J.
Exploitation of radioactive oriented nuclei in physical experiments. 354184
Riley, D.R.
Role of the CRBRP in meeting the nation's energy requirements. 374263

Riley, J.E.
Practical applications of neutron activation and radioisotope techniques in optical waveguide research and development. 364894
Riley, J.M.
The angular diameter-redshift test for large redshift quasars. 366742
The angular diameter-redshift test for quasi-stellar radio sources with large redshifts. 374918
Relations between radio and optical properties of radio sources – radio astronomer's point of view. 366743
Riley, J.P.
Geochemical studies on the thermal brine from Reykjanes (Iceland). 376034
Riley, M.E.
Evaluation of the potential to upgrade the Sandia Atomic Iodine Laser SAIL-1 to higher output energies. (SAND – 77-0775) 359006
Riley, P.J.
nD scattering at 180° for neutron energies from 200 to 800 MeV. (LA-UR – 77-1938) 361876, 369358
Riley, P.W.
Detection of the J = 9 → 8 transition of interstellar cyanodiacetylene. 356280
Riley, R.E.
Chemical vapor deposition of tantalum on graphite cloth for making hot pressed fiber reinforced carbide-graphite composite. (LA-UR – 77-1261) 351863
Riley, R.L.
Ultraviolet air disinfection for protection against influenza. 360244
Rillings, K.W.
A thermal study of hydrated lanthanide heptafluorobutyrates. 362207
Rimbert, J.F.
Influence of the stress applied to an 18-10 stainless steel on its repassivation ability in 3% NaCl solution at 80°C. 354547
Rimbert, J.N.
Morphological study of pathologic left ventricules (aneurysms, non obstructive cardiomyopathies) from cardiac cavities scintigraphy. (INIS-mf – 4010) 362832
Rimini, E.
Amorphous-polycrystal transition induced by laser pulse in self-ion implanted silicon. 355982
Channeling and extended defects in crystals. (INIS-mf – 3996) 364013
Laser pulse energy dependence of annealing in ion implanted Si and GaAs semiconductors. 377276
Rimkevicl, V.S.
Alloying with nitrogen and denitriding of the complex composition metal bath. 357293
Rimoldi, A.
The s-dependence of double diffraction dissociation of protons at the CERN Interscting Storage Rings. 369373
Study of charge-exchange double dissociation of protons at the CERN Intersecting Storage Rings. 369374
Rimondi, F.
Search for 'charm' in nuclear emulsion. 353946
Search for short-lived particles produced by 300 and 400 GeV/c protons in nuclear emulsions. 364564
Rimondi, O.
Thermoluminescent dosimeters for UV radiations. 371081
Rimpel, G.
Emission spectroscopic study of the system F_2-H_2 in the shock tube. (DFVLR-IB – 453-76/1) 363915
Rinaldi, C.
Dual isotope scintiscanning (iodine and selenomethionine). Detection of thyroid cancer in aged patients. 354960
Rinaldini, C.
The European Community case for nuclear power. 366126
Rinat, A.S.
Exact solution of a model for πd induced reactions and its application to pion-nucleus reactions. 354102, 366955
Rind, W.
Free heavy-metal content in HTR fuel elements, targets and present status. 370964
Rindby, A.
Trace element analysis in thick organic specimens by photon excited X-ray fluorescence. 356927
Rinderer, L.
Evidence of the unidimensional mixed state in type I superconductors. 377696
Intermediate state structures in the presence of a nonuniform exterior magnetic field. 377702
Vortex chain size effect and negative resistance in pin-free superconducting films. 360005
Rindi, A.
An analytical expression for the neutron flux-to-absorbed-dose conversion factor. 355047
Rinejskij, A.A.
Effect of the fast breeder concept on the reactor main characteristics and steam generation parameters. (FEI – 607) 358298
Nuclear power plant. (Soviet patent document 431559/A/) 350256
Ring, P.
Mode coupling and Dyson's finite boson expansion in nuclei. 359437
On the decomposition of the single-particle density in a time-even and time-odd part. 372657
Ring, P.J.
Irradiation creep of stainless steel in bending. 360109
Ringel, C.
Coordination chemistry of rhenium(VII). 6. 364947
Coordination chemistry of rhenium(VII). 7. 364948
Ringel, H.
Production of fuel kernels for U-233 recycling. 370998
Ringel, J.
Evidence for the F meson. 353947
Measurements of tau decay modes and a precise determination of the mass. 372505
On the origin of inclusive electron events in e^+e^- annihilation between 3.6 and 5.2 GeV. 353772
On the semileptonic decay of charmed hadrons. 356496
Ringelstein, K.H.
The calculation of pressure vessels. 368028
Ringland, G.A.
Can the Fermi-motion of partons recover canonical scaling in hadronic high-psub(T) processes. (RL – 77-115/A) 359259
Ringler, G.
Electron thermal conduction of current-carrying plasma in stellarators. (KFTI – 74-36) 348976
Ringler, H.
On sawtooth oscillations and MHD modes in the W VII A stellarator. (INIS-mf – 3963) 371780
Ringo, G.R.
Feasibility of achieving 15 nm resolution with a scanning microprobe using a liquid gallium ion source. (CONF-770230 – 1) 356953
Ion microprobe using a field evaporation ion source fed by liquid gallium. (CONF-770642 – 12) 361083
Rinkleff, L.
Heat transfer between core melts and concrete. 370606
Rinsky, L.
Blood flow and bone traces accumulation in a model of experimental osteomyelitis. (INIS-mf – 4010) 357610
Rinzburg, A.K.
Stabilized current sources on the basis of commercial thyristor converters. 358418
Riordan, J.C.
Interchange instability with line-typing and finite Larmor radius effects. 350930
Riou, M.
Structure in the energy spectra from inelastic heavy-ion reactions. 366976
Ripfel, H.C.F.
Preliminary analysis of alternative fuel cycles for proliferation evaluation. (ORNL/TM – 6036) 371280
Ripin, B.H.
Enhanced backscatter with a structured laser pulse. 359007, 361616
High energy ions from a Nd-laser produced plasma. (NRL-MR – 3549) 361522
Ripka, G.
Matrix elements with cranked deformed oscillator wave functions. 372638
Ripka, O.
Prostaglandin Fsub(2α) radioimmunoassay in plasma. 379192
Rippich, C.
Experimental confirmation of the 1100 MeV structure and first observation of the leptonic decay of the rho' (1250). (DESY – 77/59) 356491
Measurement of the photoproduction phases of the rho, ω, and phi mesons. (DESY – 77/56) 353934
Measurement of the real part of the virtual compton amplitude and of the invariant mass yield of the photoproduced e^+e^- pairs in the mass range 1,500 < m < 2,000 MeV. (DESY – 77/60) 356492
Risbud, A.A.
Effect of alternating electric field on Cerenkov radiation. 364631
Risbud, V.H.
Hydrological investigations carried out with nucleonic soil moisture and density gauges developed at Trombay. 368281
Risdon, A.L.
Filtration aids in uranium ore processing. 362331
Riseberg, L.A.
Investigations of coordination in rare-earth-doped glasses by means of laser-induced fluorescence line-narrowing spectroscopy. 362512
Risher, D.H.
Safety analysis for the revised fuel rod internal pressure design basis. (WCAP – 8964) 363463
Rishi, A.K.
Solvent extraction and spectrophotometric determination of Ru(III), Rh(III) and Pd(II) using 1-(2'-pyridylazo)-2-phenanthrol. 349163
Riska, D.O.
Δ production and the spin dependence of the pp total cross section. 356504
Pionic disintegration of the deuteron. 354050
Risler, R.
Comparison of the mirror reactions $^2H(d,p)^3H$ and $^2H(d,n)^3He$. 378021
Investigation of possible Asub(yy)=1 points in $^6Li(d,\alpha)^4He$ and other deuteron induced reactions. 378052
Investigation of the 1^+ resonance in ^6Li by d-α scattering between 6 and 7 MeV. 354202
Shell closure effects in the elastic scattering of polarized deuterons. 378039
A study of the 1^+ resonance in ^6Li via $^4He(d,d)$ scattering from 6-7 MeV. 377999
Tensor potentials in the optical model for elastic scattering of polarized deuterons by medium heavy nuclei. 377869
Risselada, T.
Operation of the CERN-ISR for high luminosity. 363222

Risser, R.E. Jr.
Flowmeter. (German (F.R.) patent document 2448374/B/) 376732
Rissler, P.
Thermal insulation for prestressed concrete pressure vessels of water-cooled nuclear reactors. (German (F.R.) patent document 2022751/B/) 355277
Rissukhin, V.K.
On a magnet configuration to trap ultracold neutrons. (ITEF - 44) 365712
Ristig, M.L.
Pairing energy of liquid ^{4}He. 353742
Ristinen, R.A.
Elastic and inelastic scattering of 800 MeV protons from ^{89}Y and ^{90}Zr. (TID - 27909) 377980
Energy dependence of π^+ induced two- and four-nucleon removal. 369510
High spin states in ^{88} ^{87} ^{86}Zr. (TID - 27909) 378018
Level structure of ^{102}Rh via (^{3}He,d) and (p,d) reactions. (TID - 27909) 378059
Ristoiu, D.
Generator supplying a quadrupolar type mass analyser. 379995
Ristori, L.
A new fast and programmable trigger logic. 371097
Ristow, J.
Operating manual and safety specifications. 376565
Ritcheie, R.H.
Energy losses of channeled ions - the Born theory revisited. (INIS-mf - 3996) 363947
Ritchey, P.N. Jr.
Public health and demographic statistics. (ORNL - 5171) 367726
Ritchie, A.I.M.
The calculation of angular neutron spectra from the thick target Li(p,n) source. (AAEC/E - 424) 362093
Ritchie, D.J.
Inclusive production of π^{+-}, K^{+-},p,p-bar in high-energy p-p collisions. 372527
Ritchie, I.G.
Amplitude-dependent damping in zirconium. 362445
Ritchie, I.M.
Evaluation of group inelastic cross sections using a pulsed integral method. (INIS-mf - 4043) 367002
Ritchie, J.L.
Critical analysis of the potential clinical use of ^{201}Tl in chronic coronary artery disease (CAD). (INIS-mf - 4010) 362816
Measurement of left ventricular function using portable scintillation camera-computer system. (INIS-mf - 4010) 362817
Myocardial imaging with ^{201}Tl at rest and during exercise. Comparison with coronary arteriography and resting and stress electrocardiography. 352124
Ritchie, R.H.
Comparison of vicinage effects in ion cluster penetration in gases and in condensed matter. 358705
Electron slowing-down flux spectrum in Al_2O_3. 364636
Microdosimetry, biological modeling, and theoretical biophysics. (ORNL - 5171) 366918
Rittenberg, V.
Dileptons, trileptons and the V-A structure of weak charged currents. (BONN-HE - 77-9) 366828
Elementary construction of graded lie groups. (BONN-HE - 77-13) 374585
High energy behaviour of the scattering amplitude in the presence of confined channels. 361800, 364500
Quark-antiquark annihilation and small psub(T) inclusive spectra. (BONN-HE - 77-16) 364534
Rittenhouse, P.L.
Creep tests to determine the qualification of HTR alloys. 370780
Creep-rupture properties and corrosion behavior of 2 1/4 Cr-1 Mo steel and Hastelloy X alloys in simulated HTGR environment-interim report. (ORNL/TM - 6001) 368176
Screening studies on materials for nuclear process heat systems. 360871
Ritter, A.
The influence of protonation or alkylation of the phosphate group on the e.s.r. spectra and on the rate of phosphate elimination from 2-methoxyethyl phosphate 2-yl radicals. 378954
Ritter, M.
Judgement of test results in in-service inspections. 370810
Ritter, M.A.
DNA strand break induction and rejoining in Chinese hamster cells as a function of radiation quality. 362635
Ritter, R.C.
Dynamic measurement of matter creation. 369192
Ritter, S.
Application of the formation zone concept to the high energy particle production on nuclei. 349078
Rittig, D.
German Light-Water-Reactor Safety-Research Program. 365603
Rittmayer, G.
Thermogenerator. 352357
Ritus, V.I.
Lagrangian of an intense electromagnetic field and quantum electrodynamics at small distances. 353144
Ritz, L.
Prestressed concrete pressure vessel for a nuclear reactor. (German (F.R.) patent document 1684699/B/) 352474
Ritzhaupt, G.
Infrared spectrum of D_2O vibrationally decoupled in glassy H_2O. 369696
Ritzl, F.
Bone scintigraphy after injuries of the ankle. (INIS-mf - 4010) 357698
Ritzman, R.L.
Comprehensive method of common-mode failure analysis for LMFBR safety systems. (CONF-761001 - P2) 363032
Preliminary accident radiological risk assessment of a large commercial MOX fuel fabrication plant. 352318
Ritzmann, H.
Cooling system for a nuclear reactor. (German (F.R.) patent document 2448591/A/) 350130
Riva, B.
Construction and characteristics of transducers for measurements in in-pile test sections. 360787
Rivard, J.B.
In-reactor experiments with simulated LMFBR debris beds. (SAND - 77-1443C) 363002
Preliminary results from initial in-pile debris bed experiments. (SAND - 77-1828C) 379292
Rivasi, M.R.
Absolute estimation of radon daughter concentrations in air by α-spectrometry. 374290
Rivera, J.M.
Improved relativistic three-body model for pion-deuteron scattering. 354103
Rivera, O.M.
Tuning the beam shaping section of the LAMPF Biomedical Channel. 363310
Rivero, M.C.
Alpha spectrometry of thick sources. I. Application to alpha emitters determination. (JEN - 384) 369392
Riverola Pelayo, R.
Financial aspects of nuclear power programmes from the experience of the Foratom Member Countries. 368432
Rivers, G.W.
Excitation and ionization of ions by electron impact. Technical progress report, September 1, 1976 - May 31, 1977. (ORO - 3027-38) 361355
Rivers, R.D.
Corrosive environment tester for filter media. (K - 1891) 363051
Method and composition for removing iodine from gases. 362332
Rivet, P.
Impact parameter analysis of the reaction $\pi^-p \rightarrow p\pi^+\pi^-\pi^-$ at 9 and 12 GeV/c with very fast secondary proton. 356510
Rivier, N.
Electron localization in disordered one-dimensional systems and solitary waves in Ginzsburg-Landau (phi^4) field theory. 355832
Riviere, A.C.
ECR and upper-hybrid heating in the Culham Levitron. (INIS-mf - 3963) 372002
Rivkin, A.A.
Cold-rolled sheets production of stainless martensito-ageing steel smelted by vacuum arc and electroslag techniques. 349412
Rivkin, E.Yu.
Fracture resistance of zirconium alloys. 378714
Influence of hydrogenation on characteristics of resistance to fracture of welded joints of zirconium alloys. 375883
Rivkin, S.L.
Relation between coefficients of dynamic viscocity of heavy and fresh water in a liquid phase. 375936
Rivlin, A.M.
Austenite steel fracture during creep. 370036
Rizea, M.
Tunneling at the metal electrolyte solution interface without W.K.B. approximation in ion discharge at the limiting current. 356025
Rizek, J.
The ^{4}He wave function in the kinematically correct basis. 354087
Rizk, A.
Sputtering and chemical etching of carbon in a dc glow discharge. 358897
Rizk, H.M.
Toroidal MHD stability in complex magnetic configurations. 348958
Riznik, Ya.-M.E.
The effect of thermodynamic conditions on the neutron-moderating characteristics of water-bearing reservoirs. 354663
Investigation of space-time distribution of slow photo-neutrons by the reservoir model. 367354
Riznik, Ya.-M.O.
Effect of the depth of occurrence of oil and gas collectors on their neutron moderation properties. 357478
Riznik, Ya.M.E.
Separation of beds by hydrogen-content using gamma-generator. 378873
Rizov, V.A.
Quasi-potential approach to the problem of bound states in quantum electrodynamics. 358680
Rizuik, Ya.-M.E.
Neutron moderation length in deep waterbearing reservoirs. 367377
Rizzini, E.L.
Small angle elastic scattering of polarized protons. 356704
Rizzitano, F.J.
Polynary uranium alloys. 373199
Rjabov, Yu.G.
Observation of possible production and decay of short-living heavy neutral particles in the SKAT neutrino experiment. 353930
Ro, H.
Experiments in high voltage electron microscopy. Progress report, October 31, 1976 - August 1977. (COO - 2119-19) 362542
Roach, D.R.
Evaluation of large, multifilament Nb_3Sn conductors with a new

12-Telsa tensile test apparatus. (UCRL – 79192) 357262
Evaluation of metal-foil strain gages for cryogenic application in magnetic fields. (UCRL – 79202) 350846
Nickel – chromium strain gages for cryogenic stress analysis of superconducting structures in high magnetic fields. (UCRL – 79726) 371852
Roach, P.D.
Mobility of positive and negative ions in superfluid ^{3}He. 359214
Positive ion mobility in normal ^{3}He. 356368
Roach, P.R.
Mobility of positive and negative ions in superfluid ^{3}He. 359214
Positive ion mobility in normal ^{3}He. 356368
Sound propagation in normal and superfluid ^{3}He. (CONF-771064 – 3) 372335
Roache, P.J.
Prospects for accurate computer simulations of fluid dynamics problems of nuclear reactors. 363003
Roake, W.E.
Plutonium fuel fabrication retrospection: PRTR to CRBR. (HEDL-SA – 1138-FP) 378762
Safety considerations in fast reactor fuel development. 371050
Rob, L.
Charge asymmetry at large psub(T) in inelastic anti pp reactions at 22.4 GeV/c. 353943
Inclusive spectra in anti pp interactions at 22.4 GeV/c. 353941
Robakidze, Z.P.
Study on the characteristics of the cascade showers produced by muons in iron in the energy range from 0.3 to 3 TeV. 361656
Robaye, G.
A simple method allowing the checking of the homogeneity of an accelerated charged particle beam. 374096
Robb, G.A.
District heating in Canada: opportunities and problems. 361147
Robb, R.L.
Use of engineering design models to aid construction of nuclear power plants. 358155
Robb, W.D.
Electron impact excitation of carbon and oxygen ions. (LA – 6691-MS) 358780
Robbins, J.A.
Radioactivity in sediments of the Great Lakes: post-depositional redistribution by deposit-feeding organisms. 357497
Radionuclide geochronology and pollution history recorded in lake sediments. 379132
Robbins, J.M.
Properties of extruded fuel rods for HTGR applications. (CONF-770701 – 4) 352686
Robbrecht, G.
Moessbauer study of Ca^{2+}-containing magnetites. 371681
Roberds, R.M.
Application of space-angle synthesis to two-dimensional neutral-particle transport problems of weapon physics. 372563
Roberge, R.
High-field critical current in in situ multifilamentary Cu-Sn-Nb alloys. 367244
Roberson, C.
Coherent radiation from an intense relativistic electron beam rotating in a background plasma. 368951
Roberson, P.
An experimental study of the E0, E2 and E4 charge moments of ^{161}Dy using muonic atoms. 369505
Roberson, P.L.
Two-photon decays of pionic carbon. 354252
Robert
Super-Phenix: status of the Creys-Malville plant. 379738
Robert-Tissot, B.
Precision test of vacuum polarization in heavy muonic atoms. 371477
Test of vacuum polarization with muonic atoms. 377005
Robert, Andre
A 6.13MeV gamma reference source, measurement of the emission rate. (CEA-R – 4848) 355090
Robert, D.
Overlapping effects and motional narrowing in molecular band shapes: Application to the Q branch of HDa). 368613
Robert, E.
Main safety features of the Super-Phenix project. (CONF-761001 – P1) 363004
Safety requirements and options for a large fast neutron reactor. 370539
Robert, R.
Identification of F center in KCN. 350764
Localized vibration of H^- ions disturbed by divalent ions in KCl. 350721
The localized vibrations of H^-H^-, D^-D^- and H^-D^- pairs in KCl, KBr, KI, RbCl and NaCl. (INIS-mf – 4005) 350673
Thermal dilatation in pure and impure ionic crystals. 350719
Roberti, G.
Comparison betwen some Hα and X-ray flares. 356227
Roberto, J.B.
A measurement of the transverse range of (n,2n) recoils in Au. (INIS-mf – 3996) 377277
Roberto, V.
A critical pomeron's view of the total and triple-Regge inclusive cross sections. 353787
Measurement of the $(K^+ \rightarrow \pi^0\mu^+\gamma)/(K^+ \rightarrow \pi^0 e^+\gamma)$ branching ratio. 356509
Roberts, A.
How operators are seeking to reduce outages. 360758
Roberts, A.M.
Nuclear unit maintenance outage management. 358200
Roberts, A.V.S.
The pinocytosis of ^{125}I-labelled poly(vinylpyrrolidone), [^{14}C]sucrose and colloidal[^{198}Au]gold by rat yolk sac cultured in vitro. 360337
Roberts, B.
Development of A 9 Cr steel with improved strength and toughness. (CONF-770545 – 2) 359898
Roberts, D.I.
Alloy 800 for nuclear reactor applications. (GA-A – 14111) 362446
Roberts, E.W.
Adsorption of copper on single crystal planes of tungsten. 357282
Roberts, F.P.
Thermal and radiation effects on borosilicate waste glasses. 358494
Roberts, G.
Pellet-cladding interactions and length changes in SGHWR fuel pins. Part 1. Fundamental equations. (CEGB-RD/B/N – 3972) 352708
Roberts, G.E.
Magnetic properties of some amorphous rare earth – transition metal alloys prepared by dual-source evaporation. 373262
Roberts, J.
An enzymatic approach to the labelling of tryptophan residues in peptides and proteins. 370445
Kinetics of uptake and activity in mouse liver of glutaminase coupled to desialated orosomucoid. 373624
Roberts, J.E.
A thermal study of hydrated lanthanide heptafluorobutyrates. 362207
Roberts, J.H.
Characterization of aerosols containing fissionable elements using solid-state track recorders. 368316
Roberts, J.K.
Regulatory Guide 1.79 safety injection recirculation test requirements, fact or fiction. 357812
Roberts, J.T.
The IAEA nuclear power forecast for developing countries. 361150
Roberts, J.W.
Development of a parallel impactor. (LF – 56) 365719
Roberts, K.V.
Evolution of the reversed-field pinch. 371792
Performance predictions for reversed field pinches. (INIS-mf – 3963) 371791
Turbulent behaviour of the reversed field pinch. (INIS-mf – 3963) 353539
Roberts, M.
Draft program plan for TNS: the next step after the tokamak fusion test reactor. Part I. Summary. (ORNL/TM – 5982) 377522
Neutral beam injection and ohmic heating switch needs for a tokamak experimental power reactor. (EPRI-ER – 376-SR) 361529
TNS design space exploration has brought us a large step closer to realizable reactor. (CONF-771056 – 1) 372003
Roberts, M.J.
An interpretation of electron hydrogen excitation in terms of intermediate classical atomic states. 353340
Roberts, P.B.
Sensitization of E. coli by camphor. 365358
Roberts, P.D.
A towed sea-bed gamma-ray spectrometer for continental shelf surveys. 376002
Roberts, P.E.
Three-phase region of D_2-DT-T_2. (UCRL – 79036(Rev.1)) 360051
Roberts, P.H.
Need for more precise thermodynamic and neutron scattering data on liquid helium. 364442
Theory of temperature-dependent energy levels: Thermodynamic properties of He II. 351112
Roberts, R.
A report on the Basque Superconducting Solenoid project. 360720
Roberts, R.C.
Development of ultrafiltration and inorganic adsorbents for reducing volumes of low-level and intermediate-level liquid waste: April – June 1977. (MLM – 2464) 371191
Roberts, R.G.
A bibliography of high energy two-body and inclusive scattering data. (RL – 77-105/C) 356417
Can the Fermi-motion of partons recover canonical scaling in hadronic high-psub(T) processes. (RL – 77-115/A) 359259
Generalization of quark parton model – a study of sigmasub(L)/sigmasub(T) and large ksub(T). (RL – 77-117/A) 361813
Roberts, R.L.
A superconducting 2.6T high accuracy magnet. (RL – 77-099/B) 352416
Roberts, R.M.
Comparative capabilities of 1-phenylpropane-1-^{13}C and 1-phenylbutane-1-^{13}C toward the alkylbenzene automerization. 372994
Roberts, R.W.
Energy Research and Development Administration's nuclear program. 360883
U.S. experience in the transfer of nuclear technology. 352596
Roberts, W.W. Jr.
The large-scale distribution of interstellar matter in the context of the density-wave theory. 356311
Robertson
Elastic and inelastic scattering of neutrons by isotopes of molybdenum and zirconium. (BNL-NCS – 22500) 356833
Robertson, A.J.B.
Detection and identification of organic radicals produced in the

low pressure silent electric discharge by an electron spin resonance spin trapping technique. 357020
Robertson, A.R.
Thermocouple and its fabrication. (German (F.R.) patent document 2642452/A/) 374383
Robertson, A.W.
f°(1270) production in the reaction $\pi^-p \rightarrow \pi^+\pi^-n$ at 12 and 15 GeV/c. 372501
Robertson, B.C.
Partial widths and gamma-ray decay of the 2883- and 5037-keV levels in ^{41}Sc. 351383
Robertson, B.S.C.
Spectroscopic radial velocity and photometric observations of barium stars. 356199
Robertson, C.G.
Waste trench cap study of remedial work for West Valley. 352884
West Valley waste burial area problems correlated to operating practices. 352883
Robertson, D.C.
A semiclassical model of multiparticle production. 353892
Robertson, D.E.
Applications of neutron activation analysis for the determination of cobalt, zinc, silver, and arsenic distributions in the Atlantic Ocean. 378155
Association of Hanford origin radionuclides with Columbia River sediment. (BNWL – 2305) 360179
Geochemical ocean sections study (GEOCECS). Chemistry of ocean solutions. (BNWL – 2100(Pt.2)) 362137
Robertson, D.M.
Alpha-energy and mass analyses of plutonium from a single sample mount. 364918
Robertson, D.S.
Evaluation of modern uranium prospecting techniques. (AECL – 5713) 360141, 365264
Robertson, E.
Energy, water and tritium budgets for Perch Lake: 1975. (AECL – 5717) 360180
Robertson, F.R.
Investigation of optimal control strategies to an integral economizer U-tube steam generator. 379662
Robertson, J.M.
Origin of the uniaxial anisotropy in thin films of $(YLaPB)_3(FeGa)_5O_{12}$ and its variation along the growth direction. 365195
Robertson, M.E.A.
Heater control apparatus. (UK patent document 1480500/A/) 350329
Robertson, P.
Inelastic scattering of π^+ Mesons from nuclei at 50 MeV. 369493
Robertson, R.F.S.
Utilization of waste heat from electricity generating stations. (AECL – 5689) 361148
Robertson, R.G.H.
Cryogenic helium jet and recoil time-of-flight apparatus. 368350
Robertson, S.
Coherent radiation from an intense relativistic electron beam rotating in a background plasma. 368951
Robertson, W.J.
Investigation of π^+Ne and π^-Ne interactions at 10.5 GeV/c. 372541
Robeson, A.
Problems common to initial fuel loadings of light-water reactors. 358201
Robiette, A.G.
Determination of B_0 from the upsilon$_3$ Raman band of CD_4. 350584
Robin, D.
Evidence of the unidimensional mixed state in type I superconductors. 377696
Robin, J.
Product energy distribution for exothermic reactive collisions. 371481
Robin, M.
A closed fuel cycle. Rapsodie. 368221
Robinet, M.
X-ray source safety shutter. (US patent document 4,027,156/A/) 373929
Robinette, S.L.
Polariton effects in naphthalene crystals. (IS-T – 768) 373324
Robins, J.W.
Preliminary study of uranium favorability of the Boulder batholith, Montana. (GJBX – 5(78)) 378830
Robins, K.E.
ISABELLE quadrupoles. 363333
Operating experience with the HEUB superconducting dipoles. 363327
Superconducting magnetic quench protection for ISABELLE. 363328
Robins, M.J.
Conformational characteristics of rigid cyclic nucleotides. II. The solution conformation of α-nucleoside 3',5'-cyclic monophosphates and the role of the 2'-hydroxyl group. 378334
Robinson, A.V.
^{241}Am, ^{237}Np, and ^{99}Tc sorption on two United States subsoils from differing weathering intensity areas. 360162
In vitro study of plutonium in macrophages. (BNWL – 2100(Pt.1)) 360343
Robinson, B.
Tunneling into quenched condensed transition metals. 361760
Robinson, B.J.
Superfluid transition temperature in counterflowing helium. II. 372323
Robinson, C.P.
Laser isotope separation. 357865, 367866
Some developments in laser isotope separation research at Los Alamos. (LA-UR – 76-191) 365652
Robinson, D.C.
Compression experiments on a tokamak plasma. (INIS-mf – 3963) 372004
Equilibrium, stability and confinement of elliptic cross-sectioned tokamak plasma. (INIS-mf – 3963) 372095
The growth of resistive interchange modes in grossly stable diffuse pinches. (INIS-mf – 3963) 372005
The production and sustainment of a reverse field pinch. (INIS-mf – 3963) 371769
A simple proof of the generalization of Israel's theorem. 353709
The soliton connection. 366256
Stability close to the magnetic axis in a toroid for vanishing pressure gradient. (CLM-R – 150) 356152
Robinson, D.L.
Detection of fuel rod leakage. (US patent document 4,039,375/A/) 365838
Ultrasonic wave generator. (German (F.R.) patent document 2617462/A/) 355231
Robinson, D.N.
Behavior of annealed type 316 stainless steel under monotonic and cyclic biaxial loading at room temperature. (CONF-770807 – 26) 362400
Constitutive equations for describing high-temperature inelastic behavior of structural alloys. (IWGFR – 11) 354552
Some trends in constitutive equation model development for high-temperature behavior of fast-reactor structural alloys. (CONF-770807 – 27) 363522
Robinson, D.P.
Water modelling studies of blockage with discrete permeabilities in an 11 pin geometry. (AEEW-M – 1484) 376315
Water modelling studies of the hydrodynamic characteristics of impermeable blockages in an 11-pin geometry. (AEEW-M – 1471) 376316
Robinson, E.
Immunotherapy counteracting the immuno-depressive effect of radio and chemotherapy. 379076
Robinson, E.E.
Performance of electrical contact pins near a nuclear explosion. (LA – 6946-MS) 367939
Robinson, E.L.
A search for rapid optical periodicities from Cyg X-1. 366744
Search for rapid oscillations in old novae. 372247
Robinson, G.
Investigation of ^{18}F-2-deoxyglucose for the measure of myocardial glucose metabolism. (UCLA – 12-1142) 379114
Robinson, G.C.
Test of 6-in.-thick pressure vessels. Series 4: intermediate test vessels V-5 and V-9 with inside nozzle corner cracks. (ORNL/NUREG – 7) 358196
Robinson, G.D. Jr.
Myocardial imaging with ^{123}I-hexadecenoic acid. 362787
Robinson, G.W.
Exciton fission and annihilation in crystalling tetracene. 356508
Robinson, H.G.
Determination of g/sub J/(^{1}H,^{12}S/sub 1/2/)/g/sub s/(e): Test of mass-independent corrections. 358842
Robinson, H.N.
Plutonium release from burning sodium. 357817
Robinson, I.
Null strings and complex Einstein-Maxwell fields with cosmological constant. 363782
Robinson, I.F.
Contamination at a small precious metals foundry. 355048
Robinson, J.
A review of problems in nuclear industrial expansion. 361144
Robinson, J.C.
Solution of the finite element diffusion and P_1 equations by iteration. 352453
Robinson, J.E.
Scattering of medium energy light ions and neutrals from silicon and silver-silicon systems. 368871
Sputtering of niobium by energetic neutrons and protons: A round-robin experiment. 350569
Robinson, J.N.
The application of elastic-plastic fracture mechanics parameters in fracture safe design. 374156
Robinson, K.
The critical thermal expansion of gadolinium. 378715
Robinson, L.W.
The influence of phosphorus, zinc and manganese on absorption and translocation of iron in watercress. 357606
Robinson, M.F.
Metabolic studies in rats of ^{75} Se incorporated in vivo into fish muscle. 352072
Robinson, M.T.
Computer simulation of the grazing incidence backscattering of protons from a (110) nickel surface. (CONF-770931 – 1) 368652
A measurement of the transverse range of (n,2n) recoils in Au. (INIS-mf – 3996) 377277
Sputtering calculations with the discrete ordinated method. (CONF-771109 – 60) 377432
Robinson, R.A.
Strain-rate effects for some common structural materials used in radioactive material packaging and transportation systems. 350031

Use of scale models to assess structural response of nuclear shipping containers under accident conditions. 350032
Robinson, R.D.
A study of type V solar radio bursts. I. 372248
Robinson, R.G.
A rapid one-step kit for the routine preparation of basic sup(99m)Tc penicillamine. 375656
Robinson, R.K.
An engineered maintenance approach to improved nuclear plant availability. 368259
Robinson, R.L.
Contrasting behavior of hsub(9/2) and isub(13/2) bands in ^{185}Au. 378014
Coulomb excitation of ^{182} ^{184} ^{186}W and ^{166}Er with ^{4}He and ^{16}O ions. 356835
Robinson, T.W.
Generic environmental statement on the routine use of plutonium-powered cardiac pacemakers. (ORNL – 5171) 367727
Robinson, V.J.
Production and decay of the F^- centre in KCl studied by pulse radiolysis. 369778
Robiscoe, R.T.
Parity mixing in atomic hydrogen. 361389
Robison, A.
Rack for nuclear fuel elements. (US patent document 4,042,828/A/) 368158
Robison, W.L.
Dose assessment at Bikini Atoll. (UCRL – 51879(Pt.5)) 352073
Evaluation of the radionuclide concentrations in soil and plants from the 1975 terrestrial survey of Bikini and Eneu Islands. (UCRL – 51879(Pt.3)) 378832
Robitaille, H.A.
Neutron thermalization spectrum in a partially hydrogenated terphenyl: evaluation of scattering kernels for organic reactor coolant. 374133
Robkin, L.N.
Ironless pulse betatron with magnetic cumulative generator feed. 350084
Robkoff, H.N.
Small momentum transfer measurements of S(k) in ^{4}He at T=4.27 K as a function of density. 372347
Roble, R.G.
The seasonal variation of the diurnal thermospheric winds over Millstone Hill during solar cycle maximum. 354722
Roblin, P.
Technology of reprocessing fast-reactor fuel. 367201
Robson, A.E.
Switching requirements for LINUS systems. (EPRI-ER – 376-SR) 361617
Robson, D.
A basic guide for the glueball spotter. 369330
Successive and simultaneous transfer descriptions of (p,t) reactions on ^{208}Pb. 356626
Robson, E.I.
Microwave background spectrum – survey of recent results. 366745
Roca, R.
Uranium concentrate analysis by X-ray fluorescence spectroscopy. (JEN – 400) 378102
Rocca, U.V.
Mechanical behavior of a fuel pin for fast reactors: effect of the fuel form and of the approach-to-power on the change of the fuel stack length under irradiation. 379737
Rocco, P.
Demonstration of the Essor shipping flask's compliance with the radioactivity release limits defined by the IAEA in 1973. 350033
Design of a shipping cask for irradiated nuclear fuel. 359843
Rocek, J.
Catalyzed oxidation reactions. IV. Picolinic acid catalysis of chromic acid oxidations. 378381
Rocha, A.F.G. da
Determination of glomerular filtration in dogs through ^{113}sup(m)In-DTPA. 352115
Rochat, H.
A sensitive radioimmunoassay of scorpion neurotoxin. 370508
Roche, M.
160 kV, 200 mA dc accelerator for high 14 MeV neutron yield. 355189
Roche, R.
CEASEMT system of finite element computer programs – use for inelastic analysis in liquid metal cooled reactor components. (IWGFR – 11) 355225
Low cycle fatigue in hot water. (IAEA – 189) 359977
Roche, R.L.
Inelastic piping flexibility analysis. A beam type method. (IWGFR – 11) 355232
Rochev, V.E.
On weak interaction of coloured hadrons. 375015
Rochlin, G.I.
Space disposal of nuclear wastes. Volume 1: socio-political aspects. (N – 77-24924) 366101
Rochon, A.
Determination of radiolytic decomposition of tributylphosphate using ^{95}Zr and ^{95}Nb isotopes. 349362
Rochus, P.
Translation kernels for velocity dependent interactions. 359239
Rock, P.A.
Electrochemical determination of equilibrium constants for isotope-exchange reactions. 351553
Isotopes and chemical principles. 351449, 351470, 351553, 351563, 351572, 351582, 351591, 351592, 352063
Rock, R.L.
Radon/radon-daughter measurement methods and instrumentation. (HASL – 325) 378941
Rock, S.E.
Observation of a baryon exchange dip and parton effects in backward photoproduction of ω. 372513
Rockett, J.F.
Radionuclide cerebral angiogram in stroke diagnosis. 362788
Rockett, P.D.
Characterization of an ultradense reproducible Z pinch. 366530
Rockmann, T.M.B.
Effect of whole-body irradiation with several radiation doses on the quality of rabbit sperm. 352034
Labelling of human fibrinogen with radioactive iodine (^{125}I). 351620
Rockmore, A.J.
Maximum likelihood approach to transmission image reconstruction from projections. 363094
Rockwood, S.D.
Method for separating boron isotopes. 363075
Multiple-photon isotope separation in SF_6: Effect of laser pulse shape and energy, pressure, and irradiation geometry. 369666
Rodabaugh, E.C.
Appropriate B indices for evaluating load-controlling stresses in piping products at elevated temperatures. (AI-ERDA – 13202) 358078
Evaluations of the piping system inelastic analysis computer program PIRAX2. (AI-DOE – 13216) 379803
Review and assessment of research relevant to design aspects of nuclear power plant piping systems. Final report. (NUREG – 0307) 352640
Rodal, J.J.A.
Finite element nonlinear transient response analysis of simple 2-d structures subjected to impulse or impact loads. Final report, July 1974 – June 1976. (PB – 263864) 363005
Rodas, J.E.
EPR of the radical OCN^{2-}. 351907
Rodazh, A.F.
Magnetic properties and magnetic reversal processes in quasi-binary compounds of R(Co, Ni)$_5$ type. 373182
Rodbro, M.
Time-delayed Li, Be, and B autoionization spectra excited in low-energy (200 keV) single gas collisions. 363874
Rodchenkov, B.S.
Influence of hydrogenation on characteristics of resistance to fracture of welded joints of zirconium alloys. 375883
Piping for nuclear power reactors. 368029
Roddy, J.W.
Correlation of radioactive waste treatment costs and the environmental impact of waste effluents in the nuclear fuel cycle: conversion of recycle uranium to UF_6. (ORNL/NUREG/TM – 37) 352288
Rode, J.S.
Design evaluation of the 20-cm (8-inch) secondary burner system. (GA-A – 14510) 365109
Design evaluation of the 40-cm (16-inch) primary burner system. (GA-A – 14452) 362343
Low-enrichment and denatured (thorium) fuels for the HTGR: a status report. (GA-A – 14606) 363468
Preliminary maintainability analysis of the HTGR dry head-end reprocessing systems. (GA-A – 14678) 378562
Rode, V.E.
Magnetic susceptibility and magnetic moment of iron-chromium alloys. 349521
Rodean, E.
Nondestructive burn-up verification of EK-10 fuel, by Ge(Li) gamma-ray spectrometry. 379406
Rodeh, V.V.
Gamma radiation effect on properties of cardo polyamide based on anilinofluorene and terephthalic acid. 362268
Radiation chemical transformations of some polyarylates by γ-radiation in vacuum. 354439
Radiation-chemical transformations of some polyarylates in air. 354436
Rodeman, R.
Underground siting of nuclear power plants: potential benefits and penalties. (SAND – 76-0412) 352185
Rodenacker, K.
Real-time automatic evaluation of solid state nuclear track detectors with an on-line TV-device. 368264
Rodenburg, W.W.
Calorimetric assay of plutonium. Technical report. (PB – 270656) 380133
Some examples of the estimation of error for calorimetric assay of plutonium-bearing solids. (NUREG – 0229) 353009, 380134
Roderick, N.F.
Swelling effects of electromagnetic waves near the critical density. 350833
Rodet
Super-Phenix: status of the Creys-Malville plant. 379738
Rodet, E.
Creys-Malville power plant (Super Phenix): the main options of the reactor building ventilation system. 371044
Rodewald, W.
Interaction between the crystal lattice and vortices in thin films of type I superconductors. 359215
Rodgers, B.R.
Carbon tetrafluoride + carbon in ionizing radiation. 369807

Rodgers, D.R.
Behavior of plutonium-238 solutions in the soil and hydrology system at Mound Laboratory. (BNWL – 2117) 370282
Rodgers, I.R.
Matter at super nuclear densities including pion condensates. 366939
Rodgers, M.A.J.
Production and decay of the F^- centre in KCl studied by pulse radiolysis. 369778
Rodgers, R.J.
Parametric analyses of planned flowing uranium hexafluoride critical experiments. (CONF-760646 –) 374134
Plasma core reactor applications. (CONF-760646 –) 374123
Rodgers, S.
Policy considerations of low-level and intermediate-level radioactive wastes from a public interest perspective. (ORP/CSD – 77-2) 374447
Rodigin, V.N.
Direct measurement of the recoil force arising in electron-beam welding and estimation of gas parameters in the crater. 369873
Rodin, A.V.
Optimal characteristics of the high-pressure metal vapor laser. 348780
Rodina, E.M.
Inelastic incoherent neutron scattering spectra at different temperatures and computer experiment for external phonon modes of naphthalene crystals. 371568
Rodionov, D.P.
Study on thermomechanical treatment of KhN77TYuR alloy. 375816
Rodionov, V.I.
The use of the microtron for the activation analysis of pure metals and alloys. 356975
Rodionov, V.N.
Effect of a strong electromagnetic wave on radiation of weakly excited electrons moving in a magnetic field. 348573
Rodionova, L.A.
Use of selective dissolving of zirconium and titanium during investigation into corrosion. 351673
Rodionova, L.M.
Extraction of actinium by tryoctylphosphine oxide from hydrochloric acid solutions. 357099
Extraction of actinium by tryoctylphosphine oxide from nitrate solutions. 357098
Rodionova, T.V.
On composition of complexes in the molybdenum-rhodanide-amine system. 378256
Rodionova, V.G.
Vacancy porosity in metals irradiated with accelerated Fe ions. (JINR-R – 14-8801) 349586
Rodkin, E.A.
Two-channel cryostat for investigation of optical absorption on the UR-20 spectrophotometer. 370722
Rodnyj, P.A.
On the sensibilization of Eu^{2+} luminescence in CaF_2 crystals during high-energy excitation. (INIS-mf – 3955) 377255
Rodrigo Otero, A.
Aluminium dissolution for spray pulverization with nitric acid. (JEN – 371) 367016
Rodrigo Vilaseca, F.
Aluminium dissolution for spray pulverization with nitric acid. (JEN – 371) 367016
Rodrigues, E.
Conduction of electricity in liquid dielectrics. (INIS-mf – 4127) 364101
Rodrigues, H.C.B.
Study of an Ising model with four spin interactions. 363831
Rodriguez-Vidal, M.
Sputtering model using Monte-Carlo method for escape analysis. 368755
Rodriguez, A.
Muon spin rotation (μSR) in α-Fe_2O_3. 377194
Rodriguez, A.G.
Experience in transfer of nuclear technology: the Spanish Nuclear Program. 352597
Rodriguez, P.
Activity report 1975. (RRC – 19) 376403
Deformation dynamics in zircaloy 2 : a re-examination allowing for variations in activation entropy and mobile dislocation density. 367269
Optical and electron micrographic studies of two failed fillet-welded nozzle joints in a 316L stainless cylindrical tank. (RRC – 17) 376330
Rodriquez, P.
Magnetosheath electrostatic turbulence. (N – 77-24687) 365334
Rodway, W.G.
Finely divided, irradiated tetrafluorethylene polymers. (US patent document 4,052,278/A/) 373040
Rodwell, E.
Design of the US-CRBRP sodium/water reaction pressure relief system. (CONF-760735 – 2) 379775
Rodzha, A.F.
Magnetocrystalline anisotropy and jump-like magnetic reversal of Smsub(1-x)Prsub(x)Co_5 single crystals. 369934
Roe, B.P.
Ratio of neutral-current to charged-current cross sections for inclusive neutrino interactions in hydrogen. 351220
Roe, D.
Thermal concentration gradients and the thermal diffusion ratio in ^{3}He-^{4}He mixtures near the tricritical point. 366807
Roe, D.B.
Ultrasonic propagation in ^{3}He – ^{4}He mixtures near the tricritical point. 351129
Ultrasonic propagation in He^3 – He^4 mixtures near the superfluid transition. 371426
Roebbelen, G.P.
Use of mutants to study host/pathogen relations. 373730
Roebuck, H.
Present and future vulcanisation methods. 365677
Roeck, R.
Energy dispersive analysis of ettringites in cement paste samples. 354588
Roeckl, E.
New neutron-deficient tellurium, iodine, and xenon isotopes produced by reactions of 290 MeV ^{58}Ni ions on ^{58}Ni and ^{63}Cu targets. 364793
Roedbro, M.
Capture of inner-shell electrons by 0.2- to 2.0-MeV protons. 377105
Roedder, P.
Hydrogen release due to metal corrosion during LOCA in a PWR plant of the Muelheim-Kaerlich type. 370934
Roedel, J.A.
Role of quality assurance in reactor safety. 360474
Roedel, R.
A study of direct and indirect pion production in π^+p interactions at 16 GeV/c. 377804
Roedelsperger, K.
Angular distributions of atoms sputtered from polycrystalline FCC- and BCC-metals. 356047
Roeder, E.
New radiopharmaceuticals for adrenal scanning: radioiodine labelled tyramine derivates of heart glycosides and the respective aglycons. 354971
Roeder, J.R.
New safety concepts in the design of plutonium facilities. 360698
Roeder, S.B.W.
Boron-11 NMR study of the large angle anisotropic motion of $B_3H_8^-$ in $(CH_3)_4NB_3H_8$. 351857
Roederer, J.G.
Global problems in magnetospheric plasma physics and prospects for their solution. 362614
International magnetospheric study: progress report. 362613
Roedler, H.D.
Internal absorbed dose from administered radiopharmaceuticals. 357616
Roegener, H.
Determination of the thermal efficiency of a nuclear power station. 376807
Roehl, S.
Electron relativistic effects in the K-shell ionization of Z = 50-83 atoms by 9-155 MeV alpha particles. 377003
Ionization probability at zero impact parameter of 7 MeV protons on molybdenum, tin and gold. 377106
Roehling, S.
Extraction separation of Eu, Gd and Yb from biological material by some tertiary and quarternary ammonium salts. (INIS-mf – 4143) 372999
Rare earth separation from biological material by extraction with di-(2-ethylhexyl)-phosphoric acid. (INIS-mf – 4143) 372995
Roehrdanz, K.
Nuclear engineering. 365790
Roehrig, S.C.
Automatic duress alarms through physiological response monitoring. (SAND – 77-0191) 353010
Roehrs, H.
Sealing of rotatable closures at nuclear reactors. (German (F.R.) patent document 1921377/B/) 355466
Roelandts, I.
Some new methods for the determination of rare-earth elements in geological materials using thermal and epithermal neutron activation. 372841
Roellig, K.
Economic aspects of power generation in HTR reactors. 371228
Release of rare fission gases from spherical elements with coated fuel particles. 365943
Roelof, E.C.
Solar energetic particles below 10 MeV. 372249
Roemer, H.
'Fractional winding numbers' and surface effects. 361308
Classical anomalies and local version of the Atiyah-Singer theorem. 355812
Energy levels of QED in a Euclidean formulation. 363880, 363881
Roemer, M.
Performance of different ultrasonic testing techniques of austenitic welds with natural flaws. 376394
Ultrasonic testing of austenitic components of sodium cooled fast reactors. (IWGFR – 10) 363401
Roemer, O.
Evidence for the F meson. 353947
Measurements of tau decay modes and a precise determination of the mass. 372505
On the origin of inclusive electron events in e^+e^- annihilation between 3.6 and 5.2 GeV. 353772
On the semileptonic decay of charmed hadrons. 356496
Roenko, V.A.
Vacuum conditions at Tokamak-10. 368948
Roennbaeck, C.
Dominant and recessive effects of induced lethals in female mice by exposure to gamma-irradiation during the 10th to 14th day of intrauterine life. 373540

Lack of effect on the chromosomal non-disjunction in aged female mice after low dose x-irradiation. 373547

Roensch, F.R.
Cation exchange of 53 elements in nitric acid. (LA – 7083) 378143

Roepenack, H.
Method and device for the dry preparation of ceramic uranium dioxide nuclear fuel wastes. (German (F.R.) patent document 1667851/B/) 354477
Nuclear fuel fabrication and related technology transfer in connection with implementation of a nuclear power program. 352638

Roeper, Burkhardt
The industrial radiography of defects inside the European Community. (EURISOTOP – 104) 360583

Roesel, F.
Charged-particle transfer reactions into the continuum: the line-shape of (d,n) and (^{3}He,d) spectra. 375159
Coulomb ionization of the K shell by heavy ion collisions. 377095
Effects of the polarizability in elastic scattering below the Coulomb barrier. 354044
Estimation of nuclear effects in heavy-ion elastic scattering. 362027
Scattering of protons from argon and hydrogen at 1 MeV. 366965
Vacuum polarization potential for two extended charge distributions. 375134

Roeser, K.
Directionally solidified ZrO_2 – Ta and $ZrO_2(Y_2O_3)$ – Ta composites. 360039

Roeshoff, K.
Tectonic analysis of southern Sweden. Vaettern – northern Skaane. (KBS-TR – 20) 366107

Roesick, U.
Improvement of sensitivity in instrumental neutron activation analysis by means of anticompton spectrometry with a central well-type Ge(Li)-detector. 375343
On the distribution of trace elements in human skeletons. 369529

Roesler, H.
Bedside determination of extravascular lung water (ELW) using ^{123}I-antipyrine. (INIS-mf – 4010) 370433
A new acquisition program for radiocardiographic function analysis with gamma camera and computer. (INIS-mf – 4010) 363584
Nuclear medicine methods in lung diseases. (INIS-mf – 4010) 367710
On the technique of selective double-isotope coronary scintigraphy with ^{99}sup(m)Tc- and ^{111}In-HSA-microspheres. 349810
Use of gradient scintigraphy in cardiology. (INIS-mf – 4010) 362830

Roesler, H.J.
Integrated geochemical exploration for deep-seated solid and gaseous mineral resources. 373420
Prospecting and exploration of gas deposits by means of inorganic volatile elements and isotopes. 373419

Roesseler, M.
Tracerkinetic investigations on isomerization and synthesis of C^8-aromates. 2. 372954

Roessiger, V.
Exponential sum approximation of the transmission function in measuring the mass per unit area. 373946

Roessle, E.
Comparison of inelastic electron and positron scattering cross sections on ^{12}C and ^{27}Al. (DESY – 77/40) 364781
Shadowing effect in inelastic electron scattering on ^{12}C and ^{27}Al nuclei at small four momentum transfer. (DESY – 77/55) 364782
Validity of the one-photon exchange approximation in inelastic scattering of electrons and positrons on protons. 366889

Roessler, E.
Radiochemical investigation of the mass distribution and probability in stopped μ^- induced fission of ^{238}U. 372700

Roessler, M.
Evidence for the tau → γrhoπ decay mode. 372500
Measurement of the branching ratios for the decays J/psi(3.1) → fω and J/psi(3.1) → Bπ. 372506
Measurement of the J/psi radiative decay into $f^0(1270)\gamma$. 377779

Roethemeyer, H.
West Germany gears up for licensing process. 376769

Roethig, D.T.
Early evolution of an X-ray emitting solar active region. 372305

Roethig, K.D.
Results of critical evaluation of the AIPA study. 370970

Roettinger, E.
Polynuclear carbonyl-chalcogenides of rhenium. 364991

Roetzer, H.
Dead time and recovery time investigations on grinding plants with the aid of radioisotopes. 360588
Examination of the effect of homogenisation in stock silos for cement raw meal by aid of radio isotopes. 349966

Rofer-DePoorter, C.K.
The effect of IR laser radiation on the $UO_2(NO_3)_2$-tributyl phosphate-nitric acid solvent extraction system. 359597

Rogachev, A.A.
Negative differential resistance in a dense electron-hole plasma in germanium. 355937

Rogachev, D.L.
Structure of Marignac's salt. 357056

Rogachev, I.M.
Method for the X-ray fluorescence analysis of suspensions. (Soviet patent document 448374/A/) 360581

Rogachev, V.I.
On a possibility of using quadrupoles with permanent magnet in proton linear high-energy accelerators. 360729

Rogacheva, E.I.
Solubility of a third component in a binary semiconductor compound. 370017

Rogacheva, S.A.
Effect of DNA on H^3-thymidine incorporation into bone marrow cells of irradiated rats. 362683
On the mechanism of the therapeutic action of various doses of DNA on rats injured by ionizing radiation. 370362

Rogalev, B.I.
Luminescent properties of yttrium silicates activated by cerium at various forms of excitation. (INIS-mf – 3955) 377264

Rogalla, H.
Direct observation of flux creep in minor hysteresis loops of type-II superconductors. 356369

Roganov, P.I.
On the development of plastic deformations under low-cycle biaxial tension. 378716

Roganov, V.S.
Designed pion beam channels in a phasotron with the magnetic field variation. (JINR – 9-8782) 357952
Effect of chemical bonds on the process of μ^- – meson capture in crystals. (JINR-R – 1-10832) 377008
Investigation of the muonium stage of μ^+ meson depolarization in germanium. 368824
Optimization of the meson-producing target position in a chamber of a phasotron with a spatial variation of a magnetic field. (JINR – 9-9078) 350095
Study on muon depolarization in a matter. (JINR-D – 1,2-9342) 356048

Roger, M.
Four spin exchange in solid bcc ^{3}He can explain the behaviour of the susceptibility below 10 mK. 356370
Nuclear spin magnetic ordering with four spin exchange in solid bcc ^{3}He. 353743

Roger, R.S.
Interferometer measurements of HI absorption in the direction of 16 extragalactic radio sources. 374952

Rogers, D.R.
Controllable unit approach to material control. 380135
Nuclear power: new technique for safeguarding special nuclear material. (MLM – 2474(OP)) 374508

Rogers, D.W.O.
Albedo-dosimeter response to monoenergetic neutrons. 355049
Gamma decay of the T=3/2 states in ^{25}Al. 356864
Why Canada should stop selling its reactors to third world nations. 363006

Rogers, E.O.
Double scattering in deuterium as a probe of hadron structure. 351138

Rogers, E.R.
Filament power regulator for thermal ionization mass spectrometry. (Y – 2091) 363622

Rogers, F.J.
Equation of state of reacting strongly coupled plasmas. (UCRL – 80119) 366618

Rogers, J.D.
Experimental studies in $HfFe_2$ by CAP, Moessbauer spectroscopy and magnetometry. 364065
Perturbed angular correlation measurements in $BaHfO_3$-II. 365005
Quadrupolar interactions in $BaHfO_3$. 350784
0.54-MJ superconducting magnetic energy transfer and storage. (LA-UR – 77-1312) 356153

Rogers, J.G.
Elastic proton scattering from ^{4}He in the forward direction at 200, 350 and 500 MeV. 362107

Rogers, J.W.
^{140}Ba – ^{140}La gamma-ray standard. (HEDL-TME – 75-130) 352349
BIG-10 fission product generation and reaction rates. (HEDL-TME – 75-130) 351412
CFRMF fission product generation rates. (HEDL-TME – 75-130) 351411
CFRMF neutron flux gradient and spectral determinations. (HEDL-TME – 75-130) 351413

Rogers, L.B.
Chromatographic determination of the relative retention of isotopic species of oxygen in methanol and methan-d^3-ol. 357048

Rogers, L.E.
ARHCO studies. (BNWL – 2100(Pt.2)) 362762
Land use. (BNWL – 2100(Pt.2)) 365294

Rogers, M.L.
Catalytic detritiation of water. (MLM – 2437(OP)) 366083

Rogers, M.S.
Environmental data processor of the adaptive intrusion data system. (SAND – 77-0517) 366200

Rogers, R.
Development of a large position-sensitive gas ionization chamber. (ORO – 3924-29) 366005

Rogers, R.J.
Factors associated with support plate forces due to heat-exchanger tube vibratory contact. 358609

Rogers, R.S.
Short-lived radioactive tracer methods for the dynamic analysis and control of continuous comminution processes by the mechanistic approach. 365684

Rogers, R.S.C.
Neutron spectrum in a heavy gas. 363388

Rogers, V.C.
Gamma-ray production cross sections for copper from 0.67 to 19.6 MeV. 362095
Measurements of surface radon fluxes from uranium mill tailings. 349897
Radiological criteria for the phase II inactive mill tailings

program. 379293
Rogge, D.
Experimental investigations of the metabolism of autologous and homologous bone grafts in rats. (INIS-mf – 4010) 357681
Rogge, M.
Octupole-strength concentration observed in α-scattering on ^{27}Al. 372792
Roggenbauer, H.
Software reliability for computerized control and safety systems in nuclear power plants. 360859
Roginsky, M.
Total body sodium and chlorine in normal adults as determined by neutron activation analysis. 369540
Rogne, O.
Kinetics and isotope effects in the reaction of 4-nitro-phenylnitromethane with amidines in toluene. 354368
Rognebakke, A.
Strange particle production by antineutrinos. 356505
Rogov, A.V.
On the $^{58}Fe(\gamma n)^{57}Fe$ reaction near a threshold. 378017
Rogov, G.I.
High temperature spectroscopy of monocrystals of refractory oxides. (INIS-mf – 3955) 378304
Rogov, Yu.K.
Hyperradial functions in the two-, three- and four-body problems. (IAE – 2462) 348625
Rogovin, D.
Josephson tunneling: a probe of Ginzburg-Landau theory. 353744
Rogozinskij, V.G.
Specific features of the NEhM-300 electromagnetic pumps operation in the IFVE proton synchrotron vacuum system. 357931
Rogozkin, V.D.
Action of ATP on DNA injured by a prolonged irradiation. 362669
Effectiveness of atp, antibiotics and vitamins as protective agents against action of prolonged irradiation of monkeys. 376111
Effectiveness of automyelotherapy of irradiated dogs depending on the number of transplanted cells. 376110
Rogozyanskaya, L.M.
The defect structure of Ba-doped γ-irradiated KCl crystals. 375941
Rohar, S.
E2-type measuring fuel elements for A-1 power plant reactor. 350244
Rohatgi, U.S.
Hydrodynamic model of two-phase pipe flow. (BNL-NUREG – 23105) 357903
Rohatgi, V.K.
Analysis of a collisional plasma rotating inside a cylindrical annulus. 366786
Directional rf probe for measurement of conductivity of flowing plasmas. 366568
Ion clustering process of Ne^+. 368639
Rohde, I.
The determination of rare earths by atomic absorption spectrometry with electrothermal atomization. 351437
Rohde, R.W.
Analysis of elevated temperature cyclic deformation of austenitic stainless steels. (SAND – 76-5888C) 362447
Application of mechanical state relations at low and high homologous temperatures. 357335
Rohlfs, K.
Lectures on density wave theory. 374953
Rohloff, R.
Bone scintigraphy for the diagnosis and evaluation of radiotherapy of diseases of the sinuses and the skull base. (INIS-mf – 4010) 357684
Rohner, R.F.
Myocardial uptake of /sup 99m/Tc skeletal agents in the rat after experimental induction of microscopic foci of injury. 373673
Rohozinski, S.G.
Microscopic dynamic calculations of collective states in xenon and barium isotopes. 372658
Rohr, D.L.
Fracture behavior of a Pt-30%Rh-8%W alloy between room temperature and 1300°C. 354553
Neutron-irradiation damage in stabilized ZrO_2. 357408
Rohr, K.
N_2^- resonance at 2 eV as energy standard in low energy electron scattering experiments. 377108
N_2^- resonance at 2eV as energy standard in low energy electron scattering experiments. 353341
Threshold resonances in polar molecules: HBr. 353342, 377107
Rohrbacher, H.
The physical tests in the KNK-II. 376409
Rohrer, L.
Effect of misalignments of beam optical components. 357956
Rohrlich, F.
Covariant loops and strings in a positive definite Hilbert space. 368586
Covariant quantization of a quark-binding string. 359312
Rohwein, G.J.
Design and development of a 350 kV, 100 pps electron beam accelerator. (SAND – 77-1282C) 374082
Rohwer, P.
Crossed molecular beam study of H and D atom reactions with NO_2. 359609
Rohwer, R.K.
Plastic-bonded targets of carbon-13 and silicon. (LA – 6850-C) 370765
Roinishvili, V.N.
J/psi production off Be, Cu and W by 43 GeV/c negative pions. 369344
Rojas, A.F.
Immediate action of L-2,3,5,6-tetrahydrophenylimido (2,1b) azothiazol (levamisole) on the phagocytosis of inert radiocolloidal particles. 373585
Rojfe, I.M.
Application of explosive-emission cathodes for the production of high-current electron beams of large duration. (INIS-mf – 3954) 363178
Production and investigation of a high-current microsecond electron beam. 357989
Rojkh, I.L.
Features of the vacuum deposited layer adhesion to glass and sitall treated with glow discharge. 349522
Peculiarities of adhesion of vacuum-deposited layers to glass and sital following their surface treatment in glow discharge. 349283
Rojo, J.M.
Auger line shape analysis of temperature dependent evolution of nitrogen-implanted (110) copper. 353419
Rojtburd, A.L.
Physical mechanisms of creep. (INIS-mf – 4190) 374768
Rojtman, V.I.
Detection of variously oriented defects during ultrasonic testing of pipes. 357242
Rokhlin, L.L.
Investigation of samarium solubility in the magnesium based solid solution. 378717
Magnesium alloys with dysprosium. 359978
Magnesium ytterbium-alloys. 375826
Study on gadolinium solubility in magnesium. 375884
Studying magnesium-holmium alloys. 370037
Rokhvarger, A.E.
Statistical modelling of boron nitride fibers production technology. 357386
Roko, Kiyokazu
Introduction of experimental rig of dynamic stability of once-through boiling flow. 350267
Rokop, D.J.
Half-life of ^{239}Pu by two independent methods. 351375
Rokushika, Souji
Radical chromatographic separation and ESR detection of spin-trapped nucleotide radicals in gamma-irradiated aqueous solution. 354427
Rol'f Mering
Multiposition switch for electronic units. (Soviet patent document 488174/A/) 376708
Rolandi, G.
Eurex Euratom-CNEN agreement tenth annual report for the year 1974. (EUR – 5620) 359845
Feasibility study for adapting ITREC plant to reprocessing LMFBR fuels. (IAEA-AG – 63-10) 362341
Italian experience with pilot reprocessing plants. 367190
Rolandi, L.
A new fast and programmable trigger logic. 371097
Rolandson, S.
Safety and radiation protection in nuclear power generation. Laws, standards and basic principles. (KBS-TR – 41) 376212
Roldugina, P.M.
Study of dynamic characteristics of conformation non-equilibrium states of hemoglobin and its complexes by the radiolysis method. 375684
Rolfe, R.M.
Design and construction of a spectrometer facility and experiment for intermediate energy proton scattering on helium. 374356
Rolfe, S.T.
Fracture and fatigue control in steel structures. 351800
Rolfs, C.
Isospin mixing of the 5605 and 5668 keV states in ^{18}F in the light of a new state at 5603 keV. 354149
Rolin, N.
Search for second-class current: the measurement of the β-γ directional correlation in the decay of ^{20}Na. 354253
Rolland, P.
On Dupree's resonance function. (EUR-CEA-FC – 907) 353621
Roller-Ivanovic, Z.
Internal bremsstrahlung in the electron capture decay of ^{145}Sm. 362096
Rolli, K.
Study on antiprotonic atoms of light nuclei and isotopes. 371523
Rollier, M.
Strange particle production by antineutrinos. 356505
Study of quasi-elastic reactions of ν and antineutrino in Gargamelle. 369268
Rolling, F.E.
The adsorption and decomposition of formaldehyde by tungsten. 354510
Rollins, J.D.
Transport experience with the NAC-1 radioactive materials shipping cask. 350034
Rollmann, L.D.
Radiotracer experiments on carbon formation in zeolites. 369725
Rollnik, H.
Trends in elementary particle theory. 361294
Rollo, F.D.
Comparison of whole-body-imaging methods. 373686
Roloff, W.
Experience in the inspection of X-ray facilities. 370681

Rolph, E.
Regulation of nuclear power: the case of the light water reactor. (R – 2104-NSF) 374481
Rolstad, E.
Fuel reliability in light-water reactors. Experience and assessment for the future. 365868
Nuclear fuel performance evaluation. Final report. (EPRI-NP – 409(6-77)) 363436
Rolston, J.H.
Separation of rate processes for isotopic exchange between hydrogen and liquid water in packed columns 10. 367858
Romakhin, V.A.
Characteristics of cosmic hadron interactions. 361721
Energy of electron-photon and hadron components near extensive air shower axis on the altitude of 3330 m above sea-level. 362600
Roman, E.
Desorption kinetics of an H_2 monolayer adsorbed on W(poly) at 300 K. 370038
Roman, H.
Genetic evidence for inducibility of recombination competence in yeast. 362640
Recombination in Saccharomyces cerevisiae: a DNA repair mutation associated with elevated mitotic gene conversion. 349717
Roman, S.
^{3}He D-state effects in (d,^{3}He) reactions. 356865
Determination of sulphur content in boreholes by neutron capture. 375970
Energy dependence of analysing power in elastic and inelastic scattering of ^{3}He by ^{12}C. 372772
Tensor analysing powers of (d,p) reactions on ^{28}Si, ^{67}Zn, ^{90}Zr and ^{208}Pb at 12.3 MeV. 377964
Roman, W.C.
Properties of radio-frequency heated argon confined uranium plasmas. (CONF-760646 –) 374135
Roman, W.G.
Improvements in or relating to method and apparatus for protecting the core of a nuclear reactor. 363454
Romander, C.M.
Response of single subassembly hexcan wrappers to pressure loads. (CONF-761001 – P3) 365515
Romanenko, D.A.
Electric conductivity of sintered glasses based on systems of oxides of lead, germanium and transition metals of group 6. 369670
Romanenko, G.V.
Determination of molybdenum and tungsten concentrations in bedrocks by x-ray radiometric method. 349619
Romanenko, V.I.
Laser-stimulated chemical reactions and isotope separation. 363071
Romanenko, V.N.
Study of concentration profiles in films of solid solutions. 354369
Romani, E.
A thermodynamical analysis of the charged-pion momentum spectra from the annihilation proton-antiproton⟶ πsup(+-)Ksub(s)sup(deg)Xsup(+-) at low energy. 353755
Romani, G.L.
Toroidal SQUID with ferromagnetic core superconducting transformer. 367916
Romanidie, K.
On the metasomatic uranium deposits in the Bohemian massif. 375976
Romanij, I.A.
Internal conversion electrons from sup(188m)Ir decay. (KFTI – 75-15) 362097
Isomeric ratio in the ^{197}Au(p,n)^{197}Hg reaction and a superconductivity model. (KFTI – 75-15) 359524
Romaniv, A.N.
Strain hardening of armco-iron during low-cyclic fatigue in hydrogen gas. 370039
Romaniv, O.N.
Corrosion cracking of high-strength steel under conditions of antiplane deformation. 369824
Fractographic studies of fatigue crack propagation in low-tempered steels. 351801
On the fracture toughness evaluation using a cylinder with a segment-shape crack. 375885
Romano, A.J.
Effect of steam oxidation on the tensile strength of HTGR structural graphites. (BNL-NUREG – 23000) 352700
Romano, F.
Search for strangeness changing neutral currents induced by neutrinos in GARGAMELLE. 361875
Study of neutrino proton elastic scattering in the 'Gargamelle' freon experiment. 377821
Study of quasi-elastic reactions of ν and antineutrino in Gargamelle. 369268
Romano, J.J.
Core calculational techniques and procedures. (BAW – 10118) 374221
Romano, M.C.
Comparison of X-ray fluorescence and optical density methods for evaluation of exposures of dosimetric films. 371073
Romanov, L.M.
Peculiarities of deep decarburization in Fe-Cr-C and Fe-Mn-C melts during argon (nitrogen)- oxygen flow-down. 357233
Romanov, L.P.
Stabilization system of scintillation radiometric circuit. 361071
Romanov, N.G.
Anisotropy of paramagnetic cadmium centers in alkali-halide crystals. 377159
Joint EPR and optical investigations of Cd^{+} and Zn^{+} ions in CaF_2 crystals. (INIS-mf – 3955) 362159
Romanov, S.B.
Dislocation structure effect on low-temperature creep during dynamic relief of austenitic steel, copper and aluminium. 378693
Romanov, V.
Emission characteristics of hydrogen negative ion source as an injector of the FEhI EhGP-10M charge-exchange electrostatic accelerator. (FEI – 544) 376364
Romanov, V.A.
Distribution of hydrogen negative ions concentration in a duoplasmatron. (FEI – 545) 376352
Nanosecond ion pulse production at the FEI EGP-10M charge-exchange electrostatic accelerator. (FEI – 680) 376365
On the relationship between field and diffusion components of the photomagnetic effect in p-type InSb. 348759
On transverse electromotive force arising during illumination of an InSb-NiSb plate. 348865
Spectrum of primary electrons with energies above 3 GeV. 356256
Romanov, V.N.
On spherically symmetric fields in gauge theories. 368587
Romanov, V.S.
On the ^{68}Ge excited states. 375178
Polarization echo in crystals. (INIS-mf – 3955) 361416
Romanov, V.V.
Evaluation of reservoir properties and oil and gas content in carbonate deposits from exploitation-geophysical data. 365288
On the application of radioactive tracers when investigating the wells being drilled or exploited. 375993
Romanov, Yu.A.
Kinetic theory of beam instability in periodic systems. 358862
Periodic semiconductive structures on the basis of piezoelectric crystals. 374757
Romanov, Yu.I.
Analysis of neutrino-lepton elastic scatterings on the basis of some models with lepton neutral currents. 351162
Energy spectra of charged fermions in some processes with photons and neutrinos (antineutrinos). 375046
Timer for synchrophasotron injector. (JINR – 13-9114) 358003
Romanov, Yu.M.
Process equipment for reprocessing of fast reactor fuel elements. (IAEA-AG – 63-20) 368212
Romanova, G.F.
An investigation of peculiarities of dielectric film ion sputtering by means of the SIMS technique. (INIS-mf – 3996) 364064
Romanova, M.V.
Electric properties of SmS metallic modification. 350731
Romanova, N.A.
Niobium foil – the material for electrolytic capacitors. (INIS-mf – 3839) 367284
Romanova, N.I.
Dependence of hard WC-Co alloys mechanical properties on volumetric content and size of pores. 351844
Romanova, N.N.
Measurements in interplanetary space and in the Martian upper atmosphere with a hydrogen absorption-cell spectrophotometer for Lα-radiation on-board Mars 4 – 7 spaceprobes. 374293
Romanova, R.R.
Strengthening of the aging austenitic 33N25Yu3F steel. 370064
Study of γ- and α-phase structure in Fe-Ni alloys in the vicinity of the martensitic transformation point. 370028
Romanova, T.S.
Scandium phosphates. 351528
Romanovich, I.V.
Nickel hardened with zirconium dioxide and yttrium oxide. 349518
Romanovskaya, K.M.
Increasing of registering capacity of nuclear emulsion for autoradiography. 362545
Relativistic nuclear photographic emulsion for multilayer piles. 350291
Romanovskaya, L.L.
Changes in the dynamics of water metabolism in the rabbit organism as a function of external γ-radiation dose. 352042
Romanovskaya, N.S.
Evaluation of porosity boundaries of reservoirs in Efremovskoye gas field. 360156
Experience in a complex geophysical exploration of gas zones (Efremovskoye field). 354669
Romanovskij, E.A.
Ionization of atom l-shells by protons in the energy range from 250 to 500 kev. (INIS-mf – 3915) 348718
Measurement of cross section of atom inner shell ionization by 150-500 kev protons. (INIS-mf – 3915) 348726
Proton scattering by ^{50}Cr and ^{52}Cr nuclei at Esub(p)approximately 6 MeV. 375200
Study on proton polarization in elastic scattering on ^{24}Mg, ^{26}Mg, ^{32}S nuclei in the proton energy range 5-6 MeV by the thick target method. 378053
Romanovskij, S.V.
Tritium-titanium targets for nuclear physical research. 360570
Romanovskij, V.N.
Requirements for extraction systems with regard to limiting radiation loads in reprocessing of fast reactor fuels. (IAEA-AG – 63-19) 362338
Romanovsky, E.A.
Cross sections for the Mα, Mβ and Mγ X-ray production in Pt and Pb as a function of the proton energy. 377098
Romanowski, T.A.
Measurement of the angular correlation parameters in the BETA

decay of polarized Λ hyperons. (COO – 1545-215) 364585
Romantsev, B.A.
The ways of increasing the socket accuracy in the course of broaching on a three-roll mill. 375785
Romantsev, E.F.
On the role played by functional defects of the template in the processes of post irradiation replication and reparation of DNA in the thymus of irradiated rats. 349732
Preventive action of ATP on biosynthesis of uridylic nucleotides of uracil in rat tissues after prolonged γ-irradiation. 370338
Radioprotective action of MEA when decreasing the level of endogenous low-molecular thiols in rat tissues. 370353
Romantsev, M.F.
Inhibition of radiation-chemical oxidation of n-octane by stable iminoxyl biradicals. 378545
Radiolysis of hydrocarbons in the presence of carboranes-12. 349354, 378528
Romantsov, G.E.
Some hydrodynamic and neutron physical characteristics of boiling light-water reactors with natural circulation. (IAE – 2539) 350212
Romanyuk, A.S.
Hysteresis losses in superconductors of round cross-section with collective interaction. 375914
Romanyuk, L.I.
Comparative characteristics of electron energy spectrum in PIG and arc type discharge plasmas. 361618
Investigation of the transparency of the wave barrier for electron plasma waves in a magnetoactive plasma. 348937
Romashkin, B.G.
Physical characteristics of fast power reactor fuel and their effect upon the fuel cycle. 368196
Romashko, O.O.
Factors controlling the recirculation of the stem cells. Communication 2. Influence of adrenocorticotropin on the migration of haemopoietic stem cells from the shielded part of the bone marrow in irradiated mice. 349734
Romberg, G.P.
Temperature exposure measured by the use of thermoluminescence. 366054
Romberg, T.M.
An experimental and theoretical analysis of void fraction dynamics in a boiling channel. (INIS-mf – 4083) 367910
Rome, J.A.
Beam penetration: theory and predictions. (CONF-771129 – 2) 372006
Extensions of guiding center motion to higher order. (ORNL/TM – 5952) 358990
Injection scenarios for TNS. 377523
ORNL-TNS/PEPR overall heating requirements. (CONF-771213 – 3) 377507
Plasma engineering considerations for a medium-field ignition test reactor. 377509
Plasma engineering innovations for the ORNL TNS reactor. (CONF-771029 – 146) 377508
Romeike, P.
Documentation of the plant. 376587
The execution of the KNK-II project from the producer's point of view. 376566
The influence of backfitting in the KNK II licensing procedure. 371021
The producer's experiences in converting the KNK into a fast reactor KNK II. 371024
Romeiser, H.J.
Nuclear reactor fuel rod. (German (F.R.) patent document 2339798/A/) 355338
Romeo, G.
Bonding between UO_2 fuel and zircaloy-2 cladding. 360906
Romer, O.
Safety aspects of the design and layout of cells and equipment in the extended alpha-beta-gamma laboratory at the Karlsruhe Nuclear Research Center. 360676
Romerio, M.
On the coherent state representation of linear operators. 353145
Romero de Avila, C.
CEA-radioimmunoassay in different neoplastic conditions. (INIS-mf – 4010) 370499
Romero, A.
Strange particle production by antineutrinos. 356505
Romero, L.L.
Integrated minicomputer alpha analysis system. (LA-UR – 77-2968) 378946
Romero, L.S.
Recent calcination and vitrification process accomplishments. 358493
Rometsch, R.
IAEA's activities in safeguarding nuclear materials and in developing internationally acceptable safety codes and guides for nuclear power plants. 352984
International fuel cycle: accountancy for safeguards. 360699
The position of IAEA safeguards relative to nuclear material control accountancy by States. 371292
Rometsh, R.
The LAEA's activities in safeguarding nuclear materials and in developing internationally acceptable safety codes and guides for nuclear power plants. 358582
Romkowski, M.
Employment of a completely automated mass spectrometer in fissile material control. (KFK – 2319) 371294
Rommel, H.
Studies of activity built-up in the primary coolant circuit of pressurized water reactors. 2. 365087
Rommel, R.
Measurement of an effective quark mass from inclusive neutrino and antineutrino nucleon reactions. 353963
Rommelaere, J.
A sensitive method for measuring pyrimidine dimers in situ. 351988
Romney, E.M.
Estimated inventory of plutonium and uranium radionuclides for vegetation in aged fallout areas. (NVO – 171) 379139
Statistical analysis and design of environmental studies for plutonium and other transuranics at NAEG "Safety-Shot" sites. 349625
sup(239,240)Pu and ^{241}Am contamination of vegetation in aged fallout areas. 349652
Romstedt, P.
Application of coarse-mesh methods to fluid dynamics equations. 349979
Efficient high-order method for the solution of fluid dynamics equations. 363105
Ron, A.
Calculations of mass diffusion in HeII. 377697
Neutron transport methods in neutrino transport calculations. 372567
Ron, S.
A computer program for risks evaluation calculations for nuclear power plants. (INIS-mf – 4052) 373835
Ronan, M.T.
Electron-muon and electron-hadron production in e^+e^- collisions. 366879
A search for neutral heavy leptons. 356514
Ronarc'h, D.
Composition and properties of direct sputtered silicon nitride films. 368872
Roncari, E.
Thermodynamic properties of actinide complexes. Part 5: Uranyl(VI)-thioglycolate system; thorium(IV)-glycolate and -thioglycolate systems. 375419
Ronchetti, C.
The fretting corrosion problem in water cooled nuclear reactors. 359825
Ronchi, C.
Fuel properties of advanced fuels (U,Pu)CN important for out-of-pile and in-pile kinetics. 378773
Roncin, J.
On the formation of heavy ion latent tracks in polymeric detectors. 365232
Pairwise trapping of radicals in γirradiated malonic acid single crystals. 365042
Structure of the $HNCH_2CO_2^-$ radical trapped in α glycine single crystals. 369789
Roncucci, R.
Structure elucidation of S-oxidized metabolites of 1-(4-isopropylthiophenyl)-2-N, octylaminopropanol (Suloctidil®) by means of deuterium labeling and mass spectrometry. 357651
Rone, V.F.
Determination of trace amounts of halide-ions as amylmercury halides by means of radioactive reagent. (INIS-mf – 4188) 375382
Ronen, M.
Why should iodine uptake tests not be abandoned. (INIS-mf – 4052) 367534
Ronen, S.
Determination of the uranium content of phosphate rocks. (NRCN – 433) 372894
Potentiometric determination of the tungsten content of tantalum-tungsten alloys with chromium II. (NRCN – 436) 372858
Ronen, Y.
On the upper bound estimation method in reactor theory. (INIS-mf – 4052) 376417
Sensitivities of neutron spectra to reactivity in different formulations of the stationary transport equation. (INIS-mf – 4052) 372564
Upper-bound estimation of bilinear functionals in reactor theory. 374136
Ronga, F.
Description and performance of MEA, the magnetic detector at ADONE. 379480
Multihadron production e^+e^- annihilation at 1.6 c.m. energy. 364575
Ronge, W.
The electret ionization chamber: a dosimeter for long-term personnel monitoring. 371082
Ronin, M.Ya.
Modification of radiosensitivity of DNA-membrane complexes in mammalian cells by means of protectors. 354748
Ronn, A.M.
Laser isotope separation in SF_6. 373920
Ronningen, R.M.
Coulomb excitation of 2^+ and 3^- states in ^{192}Pt and ^{194}Pt. 359519
Isomeric trapping following Coulomb excitation of high spin states in $^{178,180}Hf$. (ZfK – 336) 364780
Sensitivity of (α,α') cross sections to excited-state quadrupole moments. 354139, 372701
Systematics of M_{04} values in the rare-earth region. (ZfK – 336) 364715
Ronova, I.A.
Re-determination of structural parameters of the $(C_2H_3)_2TiCl_2$ and $(C_2H_3)_2ZrCl_2$. 357057
Roo, J.L. De
Composition of saturated solutions from 360 K up to 570 K for

beryllium sulfate + water. 351473
Roo, M. de
Autoradiographic study of tumor traceraccumulation in experimental infectious lesions. (INIS-mf – 4010) 370408
Rood, R.E.
Preliminary geologic investigation of uranium favorability in the Red River Valley of North Dakota and Minnesota. (GJBX – 57(77)) 362582
Uranium favorability of tertiary sedimentary rocks in the northern Green River Basin and Hoback Basin, Wyoming. (GJBX – 64(77)) 365278
Rood, R.T.
Dynamic measurement of matter creation. 369192
Rooden, C.D. van
A DWBA study of (p,d) and (d,t) reactions on ^{142}Nd at energies below 30 MeV. (INIS-mf – 4091) 362098
Roof, R.B.
Calculated x-ray powder diffraction patterns of plutonium. (LA – 7006-MS) 373030
Phase equilibria, thermodynamics, and crystal structures for the Pu – Pt – Rh system. (LA – 6998) 378707
Rook, H.L.
A comparison of photopeak area computation methodologies. 374544
Evaluation by activation analysis of elemental retention in biological samples after low temperature ashing. 372895
Rook, J.R.
Nucleon-nucleus optical model potential. I. 366924
Nucleon-nucleus optical model potential. II. 366925
Rookmaker, A.E.C.
Comparison of ^{133}Xe and $^{13}N_2$ ventilation studies. (INIS-mf – 4010) 370409
Rooney, D.H.
Non-equilibrium effects in transient two-phase flow. 376317
PWR refill studies. 376531
Rooney, J.J.
Exchange with deuterium and isomerization of alkenes catalysed by gallium oxide. 367074
Roos, C.E.
Σ^- production and decay properties in $K^-p \rightarrow \Sigma^-\pi^+$. 377807
Roos, M.
A compilation study of the ω mass. 364547
Roos, Matts
A compilation study of the ω mass. (HU-P – 123) 364548
Roos, P.G.
(p,2p) experiments at the University of Maryland Cyclotron. 372659
Roos, W.
The matter-vacuum matching problem in general relativity. 366296
Roose, N.S.
Investigation of yttrium aluminium garnet in the spectral range of 2-20.5 eV. (INIS-mf – 3993) 377278
Roose, U.
Fast neutron radiography for extended objects by a plastic detector technique. 368273
Measurements of energy spectra and doses in liquid air of neutrons from a californium-252 source. 372556
Root, A.W.
Simultaneous radioimmunoassay of thyrotropin and thyroxine in human serum. 362766
Root, J.W.
Steady state hot atom kinetic model calculations. Time dependent rate coefficients for the nonthermal $^{18}F + H_2$ reaction. 378466
Root, R.W.
Conceptual geohydrological model of the separations area. (DP – 1455) 367385
Roozendaal, G.
Thermal stability of the piezoelectric effect in polar polymers. (INIS-mf – 4127) 364048
Roper, B.W.
Public acceptability of risk from radioactive waste. (ORP/CSD – 77-2) 374448
Roper, J.A.
Dose effect of the uvsA$^+$ gene product in duplication strains of Aspergillus nidulans. 373502
Ropero, M.
Efigie: a computer program for calculating end-isotope accumulation by neutron irradiation and radioactive decay. (JEN – 399) 378487
Ropte, G.
The VRA 20 – a computer controlled X-ray fluorescence analyzer. 367038
Rosa-Clot, M.
Nuclear effects in radiative muon capture in calcium. 372599
Rosa, G.
Photodisintegration of light and medium-weight nuclei at intermediate energies. 4. (CBPF – A0027/77) 364678
Rosa, L.P.
Particle production in the deuteron near the threshold energy. 351414
Scattering of pions by deuterons at low and medium energies. (PUC-TN – 14/77) 350503
Rosa, R.
Feeding-in and blocking phenomena explained in terms of a simple diffusion model. 363950
Rosada, R.
A deviation of the local thermal equilibrium in the plasma of an Argon arc discharge. (INIS-mf – 4267) 377524
Rosai, L.
New types of volume gettering panels for vacuum problems in plasma machines. 368942
Use of neutron radiography for quantitative measurements of sorbed hydrogen in getters and quality control of nuclear fuel pins. 376431
Rosas, I.
Aquatic organism contamination by mercury residues in the Coatzacoalcos river estuary, Mexico. 380161
Rosati, S.
Calculations on nuclear matter with state-dependent correlations and a semirealistic nucleon-nucleon potential. 354045
Rosca, R.
Space-times carrying a quasirecurrent pairing of vector fields. 350541
Roschangar, M.
A high resolution low cost charge sensitive amplifier. 355508
Roscoe, S.M.
Huronian rocks and uraniferous conglomerates in the Canadian shield. (GSCan-P – 68-40) 360161
Rosdahl, A.R.
Evaluation of large, multifilament Nb_3Sn conductors with a new 12-Telsa tensile test apparatus. (UCRL – 79192) 357262
Mechanical strain of large, multifilament Nb_3Sn conductors for fusion magnets. (UCRL – 78890) 358934
Strain-critical current data for large multifilament Nb_3Sn conductors. (UCRL – 79724) 368931
Rose, A.
Fundamental limitations on the sensitivity of photoconductivity-controlled imaging systems. (INIS-mf – 4127) 364102
Rose, A.W.
Geochemical dispersion of uranium near prospects in Pennsylvania. (GJO – 1659-1) 365295
Radon in streams and ground waters of Pennsylvania as a guide to uranium deposits. (GJO – 1659-2) 357476
Rose, D.
In-pile experiments and test facilities proposed for fast reactor safety. (CONF-761001 – P2) 362940
Safety issues for advanced-fueled LMFBRs. (CONF-761001 – P3) 365597
The SAREF program. (CONF-761001 – P1) 362854
U.S. advanced fuels safety program. 379804
Rose, D.J.
The dangers of escalating uncertainty. 360475
Public acceptance of nuclear power. Some ethical issues. 370520
Rose, E.K.
An evaluation of the Gilbert-Cameron level density parameters. (AAEC/E – 419) 356866
Local and nonlocal potentials for low energy pion-nucleon scattering. 356401
Test of the three-Gaussian assumption for fission product mass yield curves. (AAEC/E – 386) 362048
Rose, H.
Acceleration of aging processes by ionizing radiation. 4. 352043
Rose, H.J. Jr
X-ray fluorescence geochemical analysis on the surface of Mars, ch. 4. 374306
Rose, P.
Status of laser solenoid fusion concept. 377430
Rose, P.H.
Laser solenoid: an alternate use of lasers in fusion power. 377525
Rose, R.L.
Die casting plutonium. (UCRL – 52259) 359880
Fabrication of a large plutonium sphere for use in LLL pulsed-sphere experiments. (UCID – 17500) 359879
Rose, R.P.
Fusion-driven actinide burner design study. Final report. (EPRI-ER – 451(Vol.1)(5-77)) 350931, 350932
Rose, W.C.
Graft-versus-leukemia, donor selection for adoptive immunotherapy in mice. 370320
Rose, W.K.
Radio and x-ray variability of the nucleus of Centaurus A (NGC 5128). (N – 77-26060) 369025
Roseboro, J.A.
Electret charger for pocket ion chamber dosimeters. 366013
Roseen, R.
Development work on new hot water transport and distribution systems. 376808
Rosei, R.
Optical interband structure and the low energy plasmon in ScH_2. 368903
Rosell, R.A.
Stability constants of some complexes of Argentine humic acids and micronutrients. 357662
Rosen, A.
Hyperfine structure measurements in metastable atomic states – nuclear spins of ^{201}Pb and ^{203}Pb. 368643
Interpretation of quasi-molecular L X-rays in heavy-ion collisions. 355906
Ionization energies and optical spectra of 5d-metal hexafluorides as calculated in the Dirac-Slater model. 353231
Rosen, I.I.
Dosimetry of pion therapy beams. 352351
Rosen, L.
Tenth LAMPF users meeting, November 7 – 9, 1976. (LA – 6736-MS) 352423
Rosen, M.
Relaxation of dislocations in body-centered cubic and hexagonal close-packed metals after plastic deformation. (NRCN – 452) 371690

Rosen, M.D.
Radial boundary layers in diffusing toroidal equilibria. 350933, 361619
Rosen, N.
Extremality of mass in the bimetric theory of gravitation. 353083
Is there gravitational radiation. 363832
Rosen, S.P.
Testing the muon number conservation law in anti ν sub(μ) + e^- interactions at high energies. 353953
Rosenau, P.
Slow shocks in the interplanetary medium. 359153
Rosenbaum, F.J.
The physics of uranium-235-enrichment in the separation nozzle process. Pt. 4. 365648
Rosenberg, A.
Investigations on the electron beam radiation hardening of lacquers on metal surfaces. 367894
Rosenberg, F.D.
XUV spectra of the 1973 June 15 solar flare observed from Skylab. II. Intersystem and forbidden transitions in transition zone and coronal ions. 351008
Rosenberg, I.
An instrument for routine measurements with X-ray therapy equipment operating between 10 and 250 kV. 376657
Rosenberg, M.
Moessbauer spectra of $Fe_3Osub(4-x)Fsub(x)$ (with $0 <= x <= 0.25$). 361442
Rosenberg, R.A.
Time resolved VUV spectroscopy using synchrotron radiation: fluorescent lifetimes of atomic Kr and Xe. 368674
Time-resolved VUV spectroscopy using synchrotron radiation. Zeeman beats in resonance fluorescence of the $^3P_1$ states in krypton and xenon. 377079
Rosenberg, R.J.
An automatic uranium analyser based on delayed neutron counting. 369570
Improving accuracy in routine instrumental activation analysis. 372921
Rosenberg, V.M.
Kinetics of the accelerated stage of creep and mechanisms of long-term rupture at elevated temperatures. (INIS-mf - 4190) 375886
Rosenbluh, M.
Motional stark effect in high magnetic fields: A new technique for sub-Doppler spectroscopy. 366364
Rosenblum, S.S.
A continuous demagnetization refrigerator operating near 2 K and a study of magnetic refrigerants. 365709
Critical exponent β for hyperfine fields in nickel. 374679
Rosenbluth, M.N.
Electron heat transport in a tokamak with destroyed magnetic surfaces. (PPPL - 1386) 366617
Ion losses from end-stoppered mirror trap. 371788
Nonlinear saturation of the dissipative trapped-electron instability. 358925
Simulation of a major tokamak disruption. (PPPL - 1364) 356166
Rosener, D.
Microprocessor controlled scanning and measuring of bubble chamber film. 379880
Rosenfeld, C.
Diffractive dissociation process $\pi^-p \rightarrow \pi^-(\pi^-\pi^+p)$ at 14 GeV/c. (LBL - 6460) 361842
Rosenfeld, H.
An enzymatic approach to the labelling of tryptophan residues in peptides and proteins. 370445
Rosenfeld, Y.
Finite element method for solving the two dimensional Schroedinger equation. (IA - 1338) 366215
Rosenfelder, R.
Improvements of the closure approximation. 362019
Rosenkranz, H.J.
Catalysts for radiation hardening of acidic-hardened resins, activated by UV-light. (German (F.R.) patent document 1947194/C/) 354451
UV-hardening polyfunctional acrylic acid ester of high dark storage stability. (German (F.R.) patent document 2430081/A/) 375710
Rosenkranz, J.
Microwave diagnostics of pulsed plasma. 368963
Rosensteel, G.
Shape of deformed nuclei. 351307
Rosenstein, Marvin
A computational method for organ doses in radiology. 360545
Rosenstreich, M.
The influence of structural changes on biodistribution of sup(99m)Tc labeled N-substituted IDA derivatives. (INIS-mf - 4010) 378493
A new solid phase reduction system using insoluble stannous salts for the preparation of sup(99m)Tc labeled radiopharmaceuticals. (INIS-mf - 4010) 357116
Rosental, N.
Personnel monitoring in Israel during 1975. 355037
Rosenthal, A.S.
Second order density effects in low energy pion scattering. 362020
Rosenthal, C.M.
Comparison of nonperturbative variational approximations to the scattering amplitude for a Yukawa potential. 368694
Variationally optimized T matrices for elastic scattering. 350646
Rosenthaler, J.
Non-equilibrium method for the radioimmunoassay of clozapine in the presence of metabolites. 376192
Rosenwasser, S.N.
Gas turbine and advanced HTGR materials screening test program: 10,000-hour results and semiannual progress report for the period ending March 31, 1977. (GA-A - 14407) 365944
Mechanical and thermal design of a gas-cooled fusion blanket module. (GA-A - 14671) 371912
Screening studies on materials for nuclear process heat systems. 360871
Rosenzweig, C.
Implications of duality, unitarity and SU_6 symmetry for baryons and baryonium. 361843
Rosetti, P.
Observation of μe events in antiν and ν interactions in the Fermilab 15' neon-H bubble chamber. (LBL - 6728) 364559
Rosewell, M.P.
Nuclear reactor fuel containment safety structure. (US patent document 4,045,284/A/) 374165
Roshal', A.G.
Power supply for the T-20 demonstration thermonuclear tokamak-reactor. (INIS-mf - 3954) 361572
Roshchina, A.I.
Erosion of the 4-6- and 8 group transition metals under intense laser radiation. 349524
Laser radiation effect on the 4.-5. group transition metal nitrides. 357380
Laser-radiation treatment of heat resisting metals and their compounds. 362503
Roshchina, I.A.
Method for separate determination of aluminium and silicon. (Soviet patent document 223948/A/) 356985
X-ray radiometric analysis method. (Soviet patent document 263983/A/) 356984
Roshchupkin, S.N.
Effect of the exchange part of tensor forces on the sum rule for electron scattering by d and ^{4}He nuclei. 356652
Roshd, M.H.M.
The physics of CANDU reactor design. (AECL - 5803) 363481
Rosicky, E.
Conditioning of nuclear reactor fuel. 363408
Rosiek, J.
The influence of radioactive source and the method of response measurement on the parameters of the electron capture detector. 373953
Rosiek, O.
Protein synthesis by X-irradiated bovine platelets. 376068
Rosina, M.
Flow lines of rotating light nuclei. (ZfK - 336) 364716
Quantum flow and nuclear rotation. 372587
Rosinski, S.W.
The impact of tritium contamination of air humidity and ground water on the tritium concentration of tissue water in plants studied under real conditions. (KFK - 2445) 360338
Roslov, S.A.
Plasma reflection and zone structure of bismuth-antimony, doped by tellurium and tin. 348765
Roslyakov, G.V.
Electron detachment from fast hydrogen anions in a plasma target. (INIS-mf - 3915) 348670
Stabilization of drift-cyclotron loss cone instability in the trap with ambipolar mirrors. (INIS-mf - 3963) 371902
Roslyakov, N.P.
Instrumental neutron-activation analysis of standard samples of rocks and soils. (INIS-mf - 3994) 378134
Roslyakov, V.I.
Analysis of backscattering energy spectra and determination of energy loss of channelling particles. 371672
Roslyakova, T.L.
Influence of dispersivity on phase equilibria of crystalline materials. 365184
Rosman, K.J.R.
The isotopic and elemental abundance of ytterbium in meteorites and terrestrial samples. 359563
Rosner, B.
Molecular effects in charge-state distributions from dissociative collisions of 30 - 900-keV H/sub w/2/sup ts+/. 363912
Rosner, G.
Measurement of actinides in samples from effluent air, primary coolant and effluent water of nuclear power stations in the Federal Republic of Germany. 355010
Rosner, J.L.
Counting narrow levels of quarkonium. 377765
Hadronic decays of eta/sub c/. 372475
Improved lower limits on neutral fermion masses. (COO - 2220-109) 361844
Isospin restrictions on charge distributions in charmed-particle decays. (COO - 2220-93) 351190
Quarkonium level spacings. 361841
Rosner, R.
Hydrostatic and dynamic models of solar coronal holes. 351071
Rosny, G. de
Impact parameter analysis of the reaction $\pi^-p \rightarrow p\pi^-\pi^-\pi^-$ at 9 and 12 GeV/c with very fast secondary proton. 356510
Rosolovskaya, E.N.
Ion exchange properties of Y zeolite. Exchange with magnesium, zinc, cadmium, manganese, yttrium cations in aqueous solutions. 378382
Rosolovskij, V.Ya.
Anhydrous perchlorate of zirconium. 349198
Synthesis of cesium-, rubidium- and ammonium

perchlorastocobaltates (2). 378330
Ross-Ross, P.A.
Conservation with CANDU. 358274
Ross, B.
Analysis of nuclear waste management. (UCRL – 13766) 363662
Ross, C.K.
Photoneutron cross sections in ^{7}Li. 356759
Ross, D.A.
Asymptotic freedom beyond the leading order. 372374
Higher-order effects in asymptotically free gauge theories: the anomalous dimensions of Wilson operators. 364496
Ross, D.K.
Geodesics in gauge supersymmetry. 371427
Spherically symmetric solution of gauge supersymmetry equations. 355833
Ross, D.W.
Drift wave eigenmodes in a torus are not localized by shear. 364243
Ross, I.
Sterilization of surgical sutures by gamma radiation. (IA – 1338) 365493
Ross, J.E.
The transfer of polarisation due to optical cascades in $^{40}Ar^{+}$ ions. 358726
Ross, R.
A search for neutral heavy leptons. 356514
Ross, R.A.
Isotopic exchange of molecular oxygen with the oxygen of nickel molybdate. 375482
Ross, R.R.
Electron-muon and electron-hadron production in $e^{+}e^{-}$ collisions. 366879
Ross, R.T.
Partial-wave analysis of $K^{-}p \rightarrow \pi^{0}\Lambda(1520)$ between 1710 and 2170 MeV c.m. energy including new data between 1775 and 1960. 372507
Ratio of neutral-current to charged-current cross sections for inclusive neutrino interactions in hydrogen. 351220
Ross, S.B.
Substituted amphetamine derivatives. 357623
Ross, W.A.
Thermal and radiation effects on borosilicate waste glasses. 358494
Ross, W.M.
Characterization of bone marrow and lymph node repopulating cells by transplanting mononuclear cells into radiated dogs. 370363
Ross, W.T.
Spacers designed for a multi-rod fuel element of a nuclear reactor. (German (F.R.) patent document 1764396/B/) 355293
Rossat-Mignod, J.
Magnetic structures of PrSi and NdSi intermetallic alloys. 349506
Rossberg, L.
Intense electron and proton fluxes poleward of the trapping boundary during a substorm expansion. 351978
Rossberg, P.
Coating substance hardened by high-energy radiation. 354435
Rossei, R.
Thermotranssmission measurements on slef-supporting metal films. (INFN-LNF – 77-5(R)) 368873
Rossel, J.
Proposal for an experimental program at SIN. Study of pion – nucleus scattering using a magnetic spectrometer. (LA-tr – 77-84) 377985
Rosselet, L.
Observation of the decay $\pi^{0} \rightarrow e^{+}e^{-}$. 377802
Rosselet, Ph.
The reaction anti pp→anti ΛΛ between 1.5 and 2.0 GeV/c. 377808
The reaction antiproton-proton →3πsup(-)πsup(+) between 1.09 and 1.44 GeV/c and the effect of ππ phase shifts. 369372
Rossi Alvarez, C.
g-factor of the 5/2 level at 40 keV in ^{45}Ti. 364751
Implantation perturbed angular distribution for argon and potassium in iron. 356723
Rossi, A.M.
EPR of electron irradiated K_4Os sup(II) $(CN)_6$ in KCl single crystals. (CBPF – A0024/77) 364143
K^{0}sub(L)p interactions in the c.m. energy range 1.54-1.71 GeV. 372508
A study of the Dalitz plot in the decay K^{0}sub(L)→$\pi^{+}\pi^{-}\pi^{0}$. 353988
Rossi, D.
Some notes on the crystal chemistry of rare earths ternary intermetallic compounds. 362430
Rossi, G.
Comparison of various analytical techniques for homogeneity test of candidate standard reference materials. 372865
Rossi, G.C.
Electromagnetic mixing of narrow baryonium states. 353894
Reggeon quantum mechanics: a critical discussion. 368532
Rossi, H.H.
A proposal for revision of the quality factor. 376215
Rossi, J.C.
Conformational study of cyclic 2-amino and 2-dimethylamino alcohols with six-membered ring by ^{1}H-NMR spectroscopy. 367032
Rossi, P.
Fermion zero modes and 'hidden' symmetry. 361309
Spin-1/2 particles in the field of monopoles. 353895
Rossignol, M.F.
Magnetization behaviour of $DyAl_2$ and $GdAl_2$. 378592
On the magnetic ordering of $CeAl_2$. 355942
Rare earth wave function determination by polarized neutron diffraction in $REAl_2$. 378591
Rossini, B.
The s-dependence of double diffraction dissociation of protons at the CERN Interscting Storage Rings. 369373
Search for narrow resonant states in $e^{+}e^{-}$ collisions near 6 GeV. 351208
Study of charge-exchange double dissociation of protons at the CERN Intersecting Storage Rings. 369374
Rossmanith, K.
The distribution coefficients for the nitrates of dysprosium, erbium, and yttrium between tri-n-butyl phosphate and 9-,10-,11-, and 12M-nitric acid. 354370
Rossney, G.K.
Status and prospects for reprocessing. 365110
Rossomakho, G.A.
Influence of the N_2O_4-medium and gamma-radiation on the properties of the fluorinated lubricating oils. 349604
Rossow, T.L.
Regulated particle-delivery system for vacuum furnaces. 360590
Rossowski, W.
Effect of X-rays irradiationon the biological activity of H-2sup(d) glycoprotein. 354746
Rost, E.
Second order density effects in low energy pion scattering. 362020
Rost, K.A.
Dependence of quenching cross sections (Na^{*} (3p) + mol) on the atomic polarisation. 353266
Dependence of quenching cross sections (Na^{*}(3p)+mol) on the atomic polarisation. 377035
E-V-R energy transfer spectroscopy for quenching of laser excited Na-atoms by simple molecules. 353267, 377036
Rostaing, P.
Transport equation treatment of transmitted electrons through thin films of aluminium. 350773
Rostas, F.
Measurement of the ion-mass effect on the central structure of Hsub(β) in a plasma produced by a combustion-driven shock tube. 374813
Rostkowska, J.
Dosimetric properties of radioluminescent detectors using high-temperature LiF. 368317
Rostoker, N.
Heavy ion toroidal collective accelerator. 374065
Rostomashvili, Z.L.
Modulated waves propagating in the collisionless multicomponent plasma. (INIS-mf – 3255) 353613
Rostovskij, V.S.
Asymptotic method for calculation of a radial matrix element for nearthreshold energies of free electrons. 348681
Rostovtsev, A.A.
Device for nuclear radiation detection. (Soviet patent document 425147/A/) 379888
Rostovtsev, A.N.
Effect of deformation velocity on plasticity of chromium stainless steels at high temperatures. 349559
Rostovtsev, L.I.
Irreversible change in steel articles shape during thermal cycling. 378574
Roswit, B.
Severe radiation injuries of the lung. 352053
Rotbard, G.
The ^{116}Sn (d,t)^{115}Sn reaction at 23 MeV. 354150
Shape transition between N = 40 and 42 in the Ga and Ge isotopes. 378073
Shape transition between N=40 and 42 in the Ga and Ge isotopes. (IPNO-PhN – 77-23) 369514
Study of ^{191}Pt, ^{193}Pt, ^{195}Pt and ^{197}Pt using pick-up reactions. (IPNO-PhN – 77-13) 356709
Roth, D.R.
User-oriented computer-aided approach to nuclear plant document control. 358116
Roth, E.
The discovery and study of the nuclear reactor in Oklo. 357498
Roth, Etienne
Process and bithermal type isotope exchange system. 373914
Roth, I.
The effects of an ion beam on the motion of solitons in an ion beam-plasma system. 348915
Methodical studies of simultaneous radioimmunological determination of insulin and glucagon in plasma. 354940
Roth, J.
Build-up effects in radiotherapy with ^{60}Co radiation and fast electrons. 355091
Depth distribution of damage obtained by Rutherford backscattering combined with channeling. 361918
Depth profiling of implanted ^{3}He in solids by nuclear reaction and Rutherford backscattering. 362546
Erosion of iron and nickel based alloys by mono- and multi-energetic light ion bombardment in the energy range from 0.1 – 8 KeV. 370137
Light-ion sputtering yields for molybdenum and gold at low energies. 366320
Quasi-free contributions in the ^{6}Li(d,tp)^{4}He-reaction at Esub(d) = 0.465 MeV. 356867
Roth, J.M.
Nuclear power plant simulator training for developing countries. 352506
Roth, J.R.
Factors affecting ion kinetic temperature, number density, and

containment time in the NASA Lewis Bumpy-Torus plasma. (N – 77-25963) 368985
Investigation of possible lower hybrid emission from the NASA Lewis Bumby Torus plasma. (N – 77-27921) 377475
Optimization of confinement in a toroidal plasma subject to strong radial electric fields. (N – 77-27919) 377526
Roth, M.
The (p, n) reaction between analog states in isotopes of Sn and Sb. 359453
A quadrupole-focusing time-of-flight mass spectrometer. 366062
Roth, P.
Changes in iron kinetics by myelostimulative therapy in patients with aplastic anemia. (INIS-mf – 4010) 367573
Roth, R.L.
Analytical and experimental studies of transient fuel freezing. (CONF-761001 – P4) 362914
Experiments on pressure-driven fuel compaction with reactor materials. (CONF-761001 – P4) 362948
Roth, R.S.
Influence of K_2O on the cerium oxide – ZrO_2 system. 357189
Neutron powder diffraction study of the intermediate-temperature form of lithium tantalate. 361468
Topics in dual models and extended solutions. (LBL – 6461) 361845
Rothe, E.W.
Isotope fractionation in two-step photoionization of Li_2. 373923
Rothe, H.
Results of comparative measurements of ^{131}I activity. 373933
Use of free air and cavity ionization chambers for determining the exposition unit for ^{60}Co and ^{137}Cs gamma radiation. 349936
Rothe, K.D.
Fields and observables in the massive Schringer model. (PUC-TN – 9/76) 353146
Regular N-instanton fields and singular gauge transformations. 355762
Rothe, R.
Comparison of results obtained by scintigraphy and by computerized tomography of patients with liver diseases. (INIS-mf – 4010) 362835
Rothenstein, B.F.
A magnetoelastic method to detect the reversal of the magnetization in cylindrical magnetostrictive layers. 356049
New aspects of the magnetoelastic effect appearing under the conditions of the Procopiu effect. 356050
Rothenstein, W.
Calculation of thermal shielding factors of burnable poison rods in power reactor cores. (INIS-mf – 4052) 374482
OZMA-1: a program for the computation of resonance absorption in nuclear reactor lattices using resonance profiles. (INIS-mf – 4052) 376404
Preparation of an ENDF/B-IV library for the fuel depletion code LEOPARD. (INIS-mf – 4052) 376445
Rothfuss, H.
Locking device for nuclear reactor fuel or moderator cartridges. (German (F.R.) patent document 1564217/C/) 355309
Sealing of rotatable closures at nuclear reactors. (German (F.R.) patent document 1921377/B/) 355466
Rothman, A.B.
Results of recent TOP and LOF experiments in TREAT. (CONF-761001 – P4) 363007
Rothschild, R.
Cosmic x-ray observations with OSO-8. (CONF-7510169 –) 364404
OSO-8 GSFC results on Cen X-3. (CONF-7510169 –) 364411
Rothschild, R.E.
Her X-1 spectral evidence for a strong magnetic field. (CONF-7510169 –) 364285
High resolution measurements of Cyg X-1 from rockets. (CONF-7510169 –) 364397
Observation program for the GSFC cosmic x-ray spectroscopy experiment. (CONF-7510169 –) 364279
OSO-8 observations of Hercules X-1. (CONF-7510169 –) 364394
Rothwarf, F.
Low-temperature specific heat anomalies in the group V transition metals. 367258
Rothwell, P.L.
Particle induced visual phenomena in space. 360539
Rotinyan, A.L.
Anodic processes in an EDTA electrolyte for cadmium plating. 349244
Rotoloni, P.L.
Mechanical behavior of a fuel pin for fast reactors: effect of the fuel form and of the approach-to-power on the change of the fuel stack length under irradiation. 379737
Rotondi, A.
Small angle elastic scattering of polarized protons. 356704
Rott, W.
Fluid-structural-dynamic calculation of the pressure relief processes in the annular space of pressure vessels during blowdown. 370935
Rotter, H.
Some states in ^{175}Lu and ^{176}Lu excited in reactions with deuterons. (ZfK – 336) 364743
Rotter, Kh.
High spin levels of sup(144)Nd excited in the (α,2n) reaction. 359457
Rottmann, J.
Characterization and fission product behaviour in carbide-containing oxidic fuel particles. 370960
Rotty, R.M.
Economic and environmental implications of a U.S. nuclear moratorium, 1985 – 2010. (ORAU/IEA – 76-4) 352305
Net energy from nuclear power. 366144
Rotzoll, G.
Monte Carlo averaging technique for analysis of elastic laboratory differential cross section data. 364626
Rouanet, A.
New family of refractory compounds. The rare earth oxyphosphates: Ln_3Po_7. 357382
Roubeau, P.
A cryogenic neutron polarization filter. 361084
A dilution refrigerator for neutron experiments. 360644
A liquid helium saver. 360600
Rouben, B.
Confirmation of CANDU shutdown system design and performance during commissioning. (AECL – 5914) 363476
Superheavy Hartree-Fock calculations for magic numbers Z = 126 and 138. 354104
Roucayrol, J.C.
A high resolution computed tomography for nuclear medicine using a multipinhole collimator. (INIS-mf – 4010) 363555
Multiplex recording using a gamma camera for tomographic imaging by numerical deconvolution and its application to radionuclide dynamic studies. (INIS-mf – 4010) 363564
Radionuclide angiocardiography for the evaluation of intracardiac shunts. (INIS-mf – 4010) 362833
Rouch, J.
Hypersonic sound velocities in aqueous salt solutions. 368531
Rouchaud, J.C.
Determination of silicon in metals by thermal neutron activation. 375344, 375345
Rouchko, L.F.
Dynamical feedback control of the current plasma column position and stability in toroidal systems. (INIS-mf – 3963) 371810
Rouchy, J.
Magnetoelastic properties of RZn equiatomic compounds. 365170
Roueff, E.
Broadening, shift and depolarization of the second resonance doublet of potassium perturbed by rare gases. 353343
Rouet, A.
Gauge unambiguous quantization of Yang-Mills theory around classical solutions. 371337
Scattering theory in the presence of a soliton asymptotic theory. 353896
Rouge, A.
Impact parameter analysis of the reaction $\pi^- p \rightarrow p\pi^+\pi^-\pi^-$ at 9 and 12 GeV/c with very fast secondary proton. 356510
Rougeau, J.-P.
National acquisition of sufficient know-how to determine procurement of natural and enriched uranium. 358563
Rougeau, J.P.
National acquisition of sufficient know how to determine procurement of natural and enriched uranium. 352926
Rouhani, Z.
NORHAV – a Nordic reactor safety evaluation project. 370597
Rouhiainen, P.
Prospects for small nuclear heating reactors in Finland. 376810
Roulet, C.
High spin states in lead isotopes with A between 193 and 199. (IPNO-PhN – 77-17) 359450
On the yrast levels in ^{204}Pb. 375190
Roulston, J.E.
A rationale for the development of radioimmunoassays. 373771
Roult, G.
A neutron spectrometer for high-pressure studies. 374769
Rouma, G.
Diagnostic applications of ^{123}I as a routine thyroidal tracer. (INIS-mf – 4010) 370431
Preparation, quality control and absorbed-dose estimates of ^{123}I as sodium iodide. (INIS-mf – 4010) 357085
Roundhill, D.M.
New mixed metal chain complexes of platinum(II) with copper(II), cobalt(II), nickel(II), zinc(II), uranium(VI), and thorium(IV) having substituted phosphonito groups as bridging ligands. 364998
Rountree, S.P.
Electron-impact excitation of atomic oxygen: ^3P-3s $^5S^0$ and 3P-3s $^3S^0$. 348730
Modified variational method for scattering. 366365
Rouse, G.
Beam modulator for an electron linac. 363329
Rouse, J.L.
A method for charged-particle activation analysis and its application to fluorine determination by the $^{19}F(p,\alpha\gamma)^{16}O$ reaction. 369531
Rouse, K.D.
A neutron diffraction study of the wavelength dependence of extinction in UO_2. 373325
Roushdy, H.M.
Aspects of chelation chemistry of transuranium elements for their removal from body. 354844
Parameters of radiation technology transfer in developing countries. 352598
Rousseau, J.
Characteristics and behaviour of the fuel in the Phenix reactor. 368201
Roussel-Dupre, R.
Dynamical implications of Si IV line profiles from OSO-8 observations. 372126
The Si IV lambda 1393 line in a coronal hole compared to the quiet Sun from OSO-8 observations. 353679

Roussel, E.L.
Instruction and training of the staff of a hot laboratory in matters concerning conventional safety and radiation protection. 361228
Roussel, F.
Electron capture for collisions of fast H(2S) and H(1S) in rare gases and H_2. 353334
Electron loss for collisions of fast H(2S) and H(1S) in rare gases and H_2. 353344
Roussel, L.
π^--nucleus interactions for stopped and 45 MeV pions with ^{58} ^{60} ^{62}Ni. 359467
Muon capture in ^{16}O. (LYCEN - 7702(pt.1)) 369478
Rousset, M.
Comparative radioimmunoassay of the canine secretory A antigen (CSA A) in water-soluble, phenol-alcohol, and perchloric acid extracts of dog colon mucosa. 349870
Roussin, R.W.
Activities of the Shielding Subcommittee of the ENDF/B Cross Section Evaluation Working Group. (CONF-770401 - 26) 352997
Computer codes and data available from the Radiation Shielding Information Center. 361949
RSIC after 14 years - where do we go from here. 370635
RSIC after 14 years: where do we go from here. (CONF-770401 - 27) 351261
Summary of the fifth international conference on reactor shielding. 367818
Rousso, M.
Early evaluation and diagnosis of vascular impairment of flaps using ^{99}Tc sodium pertechnetate - an experimental and clinical model. (INIS-mf - 3663) 354897
Routson, R.C.
^{241}Am, ^{237}Np, and ^{99}Tc sorption on two United States subsoils from differing weathering intensity areas. 360162
Routti, J.T.
Economic considerations of plutonium utilization in the nuclear power strategy of Finland. 368453
Roux, A.J.A.
Development and progress of the South African enrichment project. 367853
Opinion. 362583
Uranium. 368456
Roux, H.
Adsorption, diffusion and self-diffusion on tungsten surfaces with adsorbed palladium. 378718
Roux, J.P.
Setting up problems raised by construction of the EDF-Eurodif complex. 361158
Rouyer, Hubert
Procedure for processing a mixture of air and rare gases and especially radioactive mixtures. 359599
Rouzaud, H.
Nuclear power plant erection. 355310
Roversi, J.A.
Microscopy model for ferroelectric transitions. 363841
Rovithis-Livaniou, H.
Fourier analysis of the light curves of eclipsing variable stars. II. 372250
Row, T.H.
Economic model of the U.S. uranium mining industry. 374469
Very-high-temperature gas reactor environmental impacts assessment. (ORNL/TM - 5914) 358112
Rowan-Robinson, M.
Cosmology. 359154
Rowcliffe, A.F.
Effect of solute additions on the swelling of an Fe - 7.5 Cr - 20 Ni alloy. (CONF-770641 - 5) 351890
Simulation of high fluence swelling behavior in technological materials. (HEDL-SA - 1163) 378799
Rowe, B.
Measurements of rates of charge exchange and dissociative recombination reactions in Ar-N_2, Ar-H_2 and Ar-O_2 mixtures. 353245
Rowe, D.J.
Comments on electroexcitation of deformed nuclei. 372672
Shape of deformed nuclei. 351307
The splitting of giant multipole states of deformed nuclei. 356660
Rowe, J.E.
Electron energy loss spectroscopy and ultraviolet photoemission of TmSe. 368751
Rowe, J.J.
Application of epithermal neutron activation in multielement analysis of silicate rocks employing both coaxial Ge(lI) Ge(Li) and low energy photon detector systems. 364843
Rowe, J.R.
K-shell x rays of selected elements from Nb through Gd for incident protons and alpha particles from 0.6 to 2.4 MeV. 358853
Rowe, M.D.
Studies of molecular collision dynamics from polarized laser fluorescence. 366343
Rowe, R.W.
Dosimetric response of some biochemicals used as lyoluminescent dosimeters. 371094
Rowe, W.D.
Acceptable levels of risk from nuclear reactors. 363008
Waste disposal: the ultimate question. 366108
Rowinska, L.
Application of neutron activation analysis for the determination of implantation profiles of phosphorus in semiconductor grade silicon. 364879
Rowland, F.S.
Thermal ^{38}Cl atom reactions with ethylene. 359742
Thermal ^{38}Cl atom sources. Neutron irradiation of $CClF_3$ and CCl_2F_2. 359741
Thermal ^{38}Cl reactions with propene. 359740
Rowland, H.L.
Simulations of nonlinearly stabilized beam-plasma interactions. 368986
Rowland, I.
Biosynthesis of methylmercury compounds by the intestinal flora of the rat. 365474
Rowland, T.C.
Conditioning of nuclear reactor fuel. 363408
Rowlands, D.J.
Right ventricular involvement in myocardial infarction demonstrated by high frequency radionuclide cardiography. (INIS-mf - 4010) 370511
Rowles, W.C.
Independent review and audit of nuclear power plant operations. 358156
Rowley, M.J.
Effect of graded doses of ionizing radiation on the human testis. Progress report, October 1, 1975 - Septemer 30, 1976. (RLO/2405 - 2) 373574
Rowson, J.W.
Radioisotopic x-ray analysis of uranium ores using Compton scatter for matrix compensation. 356974
Roxburgh, I.W.
Cosmological solutions of the mass integral formulation of general relativity. 359155
Onset of microinstability and its consequences in the solar wind. 351083
A single action for the scalar-tensor theory of gravity. 348614
Solar interior, ch. 1. 369067
Roy Choudhury, H.
Charge-symmetric potentials and the hypertriton. 375047
Faddeev-Yakubovsky equations for two distinct pairs of identical particles. 351308
Roy, A.
Solvent extraction behavior of rare earth ions with 1-phenyl-3-methyl-4-benzoyl-5-pyrazolone. 375546
Roy, A.C.
Elastic scattering of electrons from atomic helium in the eikonal approximation. 353185
Roy, A.E.
Astronomy - structure of the universe. 351072
Astronomy: structure of the Universe. 372251
Roy, A.N.
Progress report of the Radiation Technology and Industrial Applications Section, Isotope Group for the period ending August 1977. (BARC - 958) 373938
Roy, Ajoy
Solvent extraction behaviour of lanthanides with 1-phenyl-3-methyl-4-benzoyl-5 pyrazołones. 367117
Roy, B.N.
Application of the binary-encounter theory to proton impact double ionisation of atoms. 355892
Roy, C.L.
Group velocity of packets of Bloch waves and motion of Block electrons under external fields. 348615
A unified approach to Hermitian and Unitary operators. 371428
Roy, D.K.
Tunnelling across a potential barrier. 353147
Roy, D.M.
Borehole cement and rock properties studies: progress report, October 1, 1976 - September 30, 1977. (Y/OWI/SUB - 4091/6) 380068
Mineralogical, chemical, and petrographic analysis of selected rock samples. (ORNL/Sub - 4091/4) 373421
Roy, G.
Elastic proton scattering from ^{4}He in the forward direction at 200, 350 and 500 MeV. 362107
Energy loss and straggling of low energy alphas in helium. 353209
Knockout reaction study with a polarized proton beam. 372780
Roy, J.-R.
Fine prominence features in the solar corona. 359156
Roy, J.A.
The notch-sensitivity of ordered Zr_3Al. 373266
Roy, M.
Mutual induction between the E- and the D-layers of the ionosphere during a solar flare. 354723
Roy, P.
Measurement of oxygen and carbon activities in liquid sodium by electro-chemical techniques. (CONF-760503 - P2) 358299
What neutral current experiments can tell us about left-right symmetry. 377735
Roy, P.N.
Tunnelling across a potential barrier. 353147
Roy, P.R.
Fabrication and post-irradiation examination of a zircaloy-2 clad UO_2-1.5 wt% PuO_2 fuel pin irradiated in PWL, CIRUS. (BARC - 918) 374178
Roy, S.C.
Semiempirical formulation of coherent scattering of gamma rays. 361941
Roy, S.K.
Effect of a copper intrauterine contraceptive device of estrogen and progesterone uptake by the Rabbit uterus and cervix. 352099
Heteropoly-niobate and tantalate containing vanadium(V). 367118

Heteropoly-niobates, -tantalates and -vanadates. 349284
Roy, S.M.
Positivity properties of absorptive elastic and inelastic differential cross sections. 353897
Unitarity bounds on elastic absorptive parts in terms of the diffraction peak width. 364467
Roy, T.
Test for Psub(T) distribution at different laboratory energies in hadronic collision events. 356501
Royce, B.S.H.
Radiation induced charge storage in metal-oxide semiconductor devices. (INIS-mf – 4127) 364103
Royen, J.
Activities of the OECD-NEA in the field of fast reactors. (IWGFR – 18) 365986
Royer, D.
Researches with the 600MeV Linac. Chapter 4. (CEA-N – 1959) 354138
Royer, J.
Search for fractional charge on tungsten particles. 351213
Royer, R.B.
Development of a ^{238}U filtered beam of 186 eV neutrons. 355079
Royl, P.
Analysis of hypothetical overpower accidents in the SNR-300 Mark 1A core with modeling of failure incoherence. 374264
Analysis of LMFBR overpower accidents, including fission gas effects in the predisassembly and disassembly phase. (CONF-761001 – P3) 365523
Comparative analysis of a hypothetical loss of flow accident in a LMFBR using different computer models for a common benchmark problem. 371051
Considerations on a PAHR test facility. (CONF-761001 – P1) 362870
Effect of failure incoherence in a LMFBR hypothetical overpower accident. (CONF-761001 – P3) 365598
Royster, D.M.
Brazed borsic/aluminum structural panels. (N – 77 – 18220) 351851
Rozanov, A.N.
Further search for muonic pairs in the neutrino and antineutrino beams at the IHEP 70 GeV accelerator. 353927
Observation of muon pairs in neutrino interactions at Serpukhov 70 GeV accelerator. 361870
Rozanov, I.A.
Interaction in the potassium tetrametaphosphimate-praseodymium chloride-water system. 375547
Investigation of thorium phosphates. 351626
The U-S-Te system. 359694
Rozanov, V.B.
Absorption and reflection of laser radiation by a spreading high-temperature plasma. 358909
Calculation of the symmetry of spherical target irradiation in multichannel laser systems. 374816
Nuclear hybrid plant with laser fusion reactor. (INIS-mf – 3963) 353556
A stationary model of the 'corona' of spherical laser targets. 348868
Rozanova, O.N.
On the investigation of UO_2-MoO_3-WO_3 system. 359738
Rozanska, M.
Multiwire proportional chambers with a small sensitive area. (INP – 864/PH) 374312
Rozanski, K.
Determination of radiocarbon in water by gas or liquid scintillation couting. 373437
Diffusion effects and phosphorescence of samples in liquid scintillation counting. 374357
Rozantsev, Eh.G.
Inhibition of radiation-chemical oxidation of n-octane by stable iminoxyl biradicals. 378545
Rozdyalovskij, A.N.
Radiative characteristics of the UGU-200 multichamber gamma-unit. 349933
Rozen, A.M.
Americium extraction by vinylene diphosphine dioxides. 378489
Chemistry of extraction by sulfoxides. 349271
Extraction of rare earths with mixtures of TBP and quaternary ammonium base salt from nitrate solutions. 369753
Mathematical models and calculation algorithms of extraction processes, complicated by chemical reactions. 362344
On the rightful use of one-parameter correlations for description of diluent influence in amine extraction systems. 378488
Rozenberg, V.M.
Copper-based internally-oxidized alloys-heat resisting materials for electric conductors. 375760
Rozenblyum, N.D.
The application of direct-charge detectors for power monitoring of PWR reactors. 379583
On the effect of solid on hydrogen yield during radiolysis of water vapors by Co^{60} γ-quanta. 362251
Rozenfel'd, E.V.
Effect of magnetic anisotropy on temperature dependence of magnetization of some compounds of the RCo_5 type. 349458
Rozenfeld, B.
Angular distributions of annihilation quanta for evaporated layers of Bi and Cd and for bimetallic systems Bi-Cd. 374776
Diffusion of thermal positrons through metal-metal junctions-investigation based on the measurements of angular distributions of annihilation quanta. 364129
Investigation of the electronic structure of yttrium hydrides by positron annihilation. 363917
Plasmon losses in energy spectra of electrons scattered on the surface of Fe, Co, Ni, Cu, and Zn samples. 371629
Rozenholc, M.
Programme and status of the development of the fast breeder reactor system in France. 365993
Rozental', A.L.
Kinetics of n-decane hydrocracking on Al_2O_3-MoO_3-NiO catalyst. 378272
Relation of reaction rates of n-decane and methylnonanes during hydrocracking of hydrocarbons on oxide alumonickelmolybdenum catalyst. 378273
Rozental', I.L.
Hydrodynamical theory of multiple processes. 353898
Intense bursts of cosmic gamma radiation. 349023
The interaction of high-energy particles with nuclei. 375193
Rozentuller, B.V.
Mechanizm of propylene oxidation on modified cobalt-molybdenum catalysts. 349248
Rozenvajn, A.G.
Biexcitonic states in methane iodide. 361441
Rozet, J.P.
High velocity symmetric and non symmetric collisions with 200 MeV Fe ions – Influence of target thickness. 353345
Rozhda, A.F.
Effect of magnetic anisotropy on temperature dependence of magnetization of some compounds of the RCo_5 type. 349458
Rozhdestvenskaya, I.T.
Paraarylenebisdiiodophosphines. 359640
Rozhdestvenskij, F.A.
Luminescence of polycrystals of lanthanum heptatantalate activated by europium. (INIS-mf – 3955) 377322
Rozhdestvenskij, S.M.
Study on spatial and energy distributions of muons from extensive air shower by means of a magnetic spectrometer. 362615
Rozhko, A.Kh.
Exciton observation in CdS subsurface thin layers. 374802
Luminescence of CdS crystals doped with Mn and Co. (INIS-mf – 3955) 367113
Luminescence of Mn – and Co – doped CdS crystals. 374765
Rozhkov, A.M.
Stability of current magnetic structure relative to external helical perturbations. 361587
Rozhnov, V.N.
Acoustic emission testing of samples under external static load. 349411
Rozhnovskaya, G.I.
Synthesis and properties of $BaLn_2(MoO_4)_4$ double molybdates. 375452
Rozin, S.G.
Calculation of neutron cross-sections in the unresolved resonance region by the Monte Carlo method. (INIS-mf – 3895) 359427
Radiation damage to the tissueequivalent medium caused by elastic collisions upon irradiation with 0.2 to 100 keV protons and 1 to 1000 keV neutrons. 365356
Rozov, A.F.
Kinetics of molybdenum melts interaction with oxygen. 349387
Rozov, B.S.
Precision two-coordinate one-mirror scanning device. 358433
Rozovskij, G.I.
Using ditelluratocuprate (3) for separated photometric determination of strong reducers. (INIS-mf – 4191) 375346
Rozovskij, V.G.
Use of catalyst of ruthenium (6) in titrimetry. 378156
Rozovskij, Yu.G.
Concentrating and separation of rare earths from mineral object solutions with new chelate sorbents. (INIS-mf – 4192) 375220
Rozsa, C.M.
Isoscalar breathing-mode state in ^{144}Sm and ^{208}Pb. 372833
Rozsnyai, B.F.
Quantum-statistical models for multicomponent plasmas. II. 364244
Rozuvanov, A.P.
Radioisotope X-ray fluorescence analyzer for elemental rock and ore analysis in natural deposits. (Czechoslovak patent document 157766/B/) 371174
Vessel for x-ray analysis of liquid mixtures in flow. (Soviet patent document 494646/A/) 351452
Rozycki, Z.
Radioactivity of building materials. 374106
Rozynek, J.
Ground state energy of spin polarized hard core neutron matter. 364675
Ruault, M.O.
In situ study of radiation damage in thin foils of gold by high voltage electron microscopy. 357429
Rubachev, P.G.
Effect of high- and low-polymeric DNA on DNA synthesis in some radiosensitive organs of irradiated animals. 370343
Rubakov, V.G.
Drift chamber with multiwire signal element and long drift distance. 358349
Rubal'skaya, Eh.V.
Investigation of substrates surface quality of gadolinium-gallium garnet monocrystals. 349413
Ruban, A.S.
Central peak in the spectrum of fluctuations of a ferroelectric mode and dielectric losses in $SrTiO_3$ at 4.2 K. 374787
Ruban, V.A.
On the dynamics of anisotropic homogeneous generalizations of the Friedman cosmological models. 374954

Rubanovich, A.V.
Effect of doses and types of irradiation on mutation frequency in Chlorella; mutation maximum effect. 349721
Rubashkin, A.L.
Measurement of asymmetry of the γd→π deg d reaction cross section in the linearly polarized photon beam. 349092
Rubbia, C.
Further evidence for production of electrons with small transverse momenta in pp collisions. 377784
Observation of elastic neutrino and antineutrino scattering and parity violation in the weak hadronic neutral current. 353995
Physics with very high energy e^+e^- colliding beams. (CERN – 76-18) 375013
Producing massive neutral intermediate vector bosons with existing accelerators. 353991
Rubenchik, A.M.
About low hybrid heating in tokamaks. (INIS-mf – 3963) 371962
On a lower-hybrid plasma heating in a tokamak. 368977
Rubenchik, G.B.
Formation enthalpy of melts in indium-bismuth-antimony system. 359711
Rubenchik, Yu.I.
Improvement of properties of plate metal used for welded vessels. 375887
Rubenich, M.N.
Influence of the diluent on the radiolytic degradation of TBP in TBP systems, 30% (V/V) – diluent-nitric acid. (INIS-mf – 4118) 365111
Rubes, V.
Preparation of metallic uranium reference sample. II. 378712
Rubin, D.
VT-340 display with TPA-i computer. (JINR – 10-9644) 368351
Rubin, J.J.
Correlation of textural and microstructural changes in deformed molybdenum single crystals. 357256
Rubin, K.
Deflection of laser-excited atoms by an electric field. 351531
Rubin, L.B.
Effects of photoprotection and reversible inactivation of the yeast Candida guilliermondii, induced by 313 nm light. 349695
Repair of 313-nm induced lesions and photoprotection in yeast Candida guilliermondii. 357565
Rubin, L.G.
Instrumentation and methods for low temperature measurements in high magnetic fields. 357913
Measurement of B versus H of Alumel from 25 to 180 °C. 367250
Rubin, M.P.
Applicability of accepted diffusion models to near stack dose calculations. 378942
Rubin, P.
Bone marrow regeneration from cortex following segmental fractionated irradiation. 367511
Rubin, S.B.
To the calculation of fields excited by moving electron bunch in a coaxial cavity. (JINR-R – 9-8625) 355198
Rubina, E.B.
Effect of pickling on some titanium-base alloys depending on their structures. 369891
Texture of welded joints of commercial titanum alloys. 378579
Rubina, K.I.
Study of magnesium oxide radiolysis products using dissolution method. 373087
Rubina, O.G.
On polymerization of plastic scintillator blocks of large dimensions. 379887
Rubinina, N.M.
Photorefraction in lithium niobate. 374664
Rubinova, E.A.
Effect of titanium dioxide and cinstant magnetic field on dielectric parameters of ferrites of TiO_2-Fe_2O_3-CaO-V_2O_5 system. 365210
Rubinstein, H.J.
Rack for nuclear fuel elements. (US patent document 4,042,828/A/) 368158
Spent fuel storage basis for new nuclear power plants. 352407
Rubinstein, J.E.
Relativistic total and differential cross section proton – proton electron – positron pair production calculation. 361846
Rubinsztein, H.
Hyperfine structure measurements in metastable atomic states – nuclear spins of ^{201}Pb and ^{203}Pb. 368643
Rublev, V.V.
Investigation and application of some organic phosphorus compounds as reagents in analytical chemistry. (INIS-mf – 4192) 375347
Ruby, L.
Cross section for the production of ^{7}Be from ^{6}Li, ^{6}Li interactions. 351415
Cryopump, neutral-beam compatibility test. (LBL – 5943) 377348
Ruby, S.L.
Studies of tumor metabolism. 373635
Symmetric radiant state in nuclear resonant Bragg scattering. (CONF-770688 – 1) 371673
Ruch, R.R.
Application of neutron activation analysis to coal research. 378157
Survey of trace elements in coals and coal-related materials by neutron activation analysis. 372922
Ruchko, L.F.
Six-channel feedback system for suppression plasma helical instabilities. (INIS-mf – 3954) 361620
Ruchowska, E.
Precise energies of gamma rays from the ^{230}Th and ^{228}Th decay. 362079
Ruchti, W.
Automatized filter testing with a particle-counter. 360506
Rucinski, S.M.
Anomalies in light curves of eclipsing variables. 372239
The W UMa-type systems as contact binaries. Pt. 2. A- and W-type systems. 372252
Ruckstuhl, W.
Precision measurement of the 3d-2p transition energy in muonic Mg, Si, P, by crystal spectrometer. 376954
Rud, N.
Evidence against anomalous epsilon/β^+ ratios in the β decay of ^{145}Gd. 359491
The GT matrix elements in the decay of the mirror nuclei ^{47}Cr, ^{51}Fe and ^{55}Ni. 354210
Rud, V.I.
Charge asymmetry at large psub(T) in inelastic anti pp reactions at 22.4 GeV/c. 353943
Multiplicities and forward-backward correlations in anti pp interactions at 22.4 GeV/c. 366882
Rud', N.A.
Effect of ionized intrinsic point defects on concentration of current carriers in Hgsub(1-x)Cdsub(x)Te. 367098
Rud', Yu.V.
Edge emission from $CdGeP_2$ crystals. 348822
Polarization of luminescence of $CdGeP_2$ crystals. 371674
Polarization properties of $CdSnP_2$ diodes. 374750
Radiative recombination in $CdGeP_2$:In crystals. 348821
Rudajtes, S.V.
Synthesis and investigation into vanadium(5) compounds with tetraalkyl ammonium compounds-derivatives of xylilenediamine. 375571
Rudakov, A.A.
Properties of high-strength stainless cavitation-resistant Cr-Ni-Mn base steels. 375888
Rudakov, E.A.
Metallic coating with diffusion yoining by centrifugal method. (INIS-mf – 4046) 369859
Rudakov, I.A.
A method of monolayer cultures of the guinea pig spleen used to evaluate the radioprotective action of mexamine on the survival of colony-forming cells. 360218
Rudakov, L.I.
Effect of thermonuclear microexplosion initiated by a relativistic electron beam on the first wall of an explosive chamber. (INIS-mf – 3954) 361647
Rudakov, V.A.
Experimental investigations of current discharge plasma confinement in L=1 torsatron in the region of low-frequency collisions. (INIS-mf – 3963) 371756
Torsatron divertor and it's effect on impurities transport and accumulation. (INIS-mf – 3954) 361497
Rudakov, V.S.
Use of the method of generalized potentials of zero radius in the scattering theory. (INIS-mf – 3915) 348636
Variational approximation to complex values of energy. (INIS-mf – 3915) 348616
Zero-radius generalized potentials. (INIS-mf – 3915) 348731
Rudakova, S.F.
A method of monolayer cultures of the guinea pig spleen used to evaluate the radioprotective action of mexamine on the survival of colony-forming cells. 360218
Rudaz, S.
The phenomenology of the next left-handed quarks. 372405
Rudchik, A.T.
(d,^{6}Li) reaction on ^{12}C nuclei by 13.2 and 12.7 MeV deuterons MeV. 359485
Rudd, M.E.
Absolute doubly differential cross sections for ejection of secondary electrons from gases by electron impact. I. 100- and 200-eV electrons on helium. 350674
Energy and angular distribution of electrons ejected from argon by 5-keV to 1.5-MeV protons. 350595
Secondary electron cross sections for electron impact on helium, hydrogen and neon. 353227
Ruddick, K.
Differential cross sections for p-^{4}He elastic scattering at GeV energies. 354220
phi production in π⁻p collisions near threshold. 351216
Ruddock, G.W.
Pulse radiolysis of lactate dehydrogenase. 349692
Ruddy, F.H.
Etch induction time in cellulose nitrate: a new particle identification parameter. 368318
Status report: direct track detector dosimetry in fast neutron beams. 367828
Status report: direct track detector dosimetry in negative pion beams. 368301
Rudenko, A.I.
A direct measurement of the rates of formation of ppμ and pdμ molecules in gaseous hydrogen. 355866
On the kinetics of charged particle implantation in dielectrics taking into account the effect of space charge build-up. (INIS-mf – 3996) 364100
Rudenko, A.P.
Angular and energy distributions of inelastic scattered neutrons with initial energy of 9.1 MeV. (INIS-mf – 3897) 356712

Rudenko, B.A.
Deuteron disintegration on heavy nuclei and allowance for neutron interaction in a final state . . 377886
Deuteron disintegration on lead isotopes. 377887
Rudenko, B.I.
Method for rhenium separation from aqueous solutions. (Soviet patent document 479735/A/) 354371
Rudenko, N.S.
Multichannel commutator for nanosecond generators. 363621
Rudenko, V.K.
Kinetics of reduction of molybdate with ascorbic acid in the presence of germanate-ion. 378383
On nonlinear combinational interaction between the first and second sounds in liquid helium 2. 369258
Rudenko, V.N.
Application of backscattered highenergy electrons for checking the thickness or composition of surface layers of products. 363089
Inspection of the surface layer of an article with a one-side access using high-energy electrons. 373951
Rudenko, V.S.
Time interval-to-digital code converter on intergrated circuits. 361076
Rudenko, V.V.
Magnetic field effect on critical behaviour of $FeBO_3$ weak ferromagnet susceptibility. 374699
Ruder, H.
Explanation of the characteristic features of experimental backbending-curves and new results for energies and B(E2)-values obtained with the particle-rotor-model. 351305
Ruderman, H.
A measurement of the form factor ratio gsub(1)/fsub(1) in lambda beta-decay. 369363
Ruderman, M.A.
Crab pulsar model: X-ray, optical, and radio emission. 359065
Evolution of pulsar magnetic fields. 351010
Variational calculation of ground-state energy of iron atoms and condensed matter in strong magnetic fields. 351011
Rudge, M.R.H.
A local-potential method for calculating atomic bound states and elastic scattering. 348732
Rudge, W.E.
Orthogonalized-plane-wave band structure of polymeric sulfur nitride (Sn)/sub x/. 357395
Rudik, M.P.
Device for detection of nonhomogeneities in liquids. (Soviet patent document 432438/A/) 350380
Ruditskaya, I.A.
A study of recording possibilities of emulsions in autoradiography conditions. 368276
Rudkowski, R.
Preparation of iodine-131 labelled bromosuphthalein. 378482
Rudnev, A.S.
Analysis of backscattering energy spectra and determination of energy loss of channelling particles. 371672
Rudnev, A.V.
Effect of pressure on the Fermi surface of cadmium. 368896
Magnetic breakdown in cadmium. 374789
Rudnev, O.V.
Device for flattening statistically distributed pulses. 358427
Rudnev, S.I
Pores in helium-saturated nickel irradiated by nickel ions. (KFTI – 74-47) 357422
Rudnev, S.I.
Blistering on nickel and steels irradiated with argon and nitrogen ions. (INIS-mf – 3996) 377186
Vacancy porosity in metals irradiated with accelerated Fe ions. (JINR-R – 14-8801) 349586
Rudnev, Yu.P.
Epsilon-γ coincidence spectrometer. 361052
Rudneva, S.I.
Solvation and sorption properties of KU-2 cationite in nonaqueous acetic acid. 362172
Rudneva, S.N.
DNA repair and mutagenesis. 362645
Rudnevskij, N.K.
Use of discharge in hollow cathode during spectral determination of some impurities in graphite powder. 375328
Rudnick, J.
Renormalization-group proof of Josephson's relation and epsilon expansion for the helicity modulus (superfluid density). 359216
Rudnicka, H.
Production of π^0 mesons in K^+p interactions at 8.2 GeV/c. 353936
Rudnicki, T.
Biological ionizing radiation effects on gonads. Pt. 5. Early and late effects in seminiferous epithelium in mice after fractionated irradiation with 100 rads. 376108
Biological ionizing radiation effects on gonads. Pt. 6. Maturation of the seminiferous epithelium in mice after irradiation during foetal development. 376109
Biological ionizing radiation effects on gonads. Pt. 8. The survival of oocytes in mice irradiated during foetal development. 379037
Rudnitskaya, Eh.I.
On the mechanism of aggregation of Am^{241} particles. 379115
Rudnitskaya, Eh.J.
Certain data on the microdistribution and pathological anatomy of curium-244. 360339
Rudnitskaya, G.T.
Analysis of intermetallic inclusions in defective castings of the Mg-Zn-Zr alloy system. 351783
Study on thermal treatment regime effect on the phase content of heat resisting alloys. 375880
Rudnitskij, Yu.P.
A high-power laser system for thermonuclear fusion experiments. (IAEA – 200) 353513
Study on neodymium glass on the base of alkali metals metaphosphates. 370108
Rudolf, H.W.
Two photon photoelectric effect in the surface plasma resonance of aluminium. 370040
Rudolph, E.
The importance of gravitational self field effects in binary systems with compact objects. 374583
Rudolph, G.
Inclusive yields and transverse spectra of non-strange mesons. 353853
Lab-scale and pilot-plant experiments on the solidification of high-level wastes at the Karlsruhe Nuclear Research Centre. 358483
Solidification of high-level fission products by a thermite reaction. Pt. 2. (KFK – 2427) 355641
Solidification of LAW, MAW, and tritium waste waters from reprocessing plants. 371199
Spin-parity analysis of the diffractively produced low-mass $N\pi$ systems in the reaction $\pi^+p \rightarrow \pi^+(N\pi)^+$ at 16 GeV/c. 369382
Study of the reactions $K^-p \rightarrow K^+K^-\Lambda$ and $Kp \rightarrow$panti pΛ, at 10 and 16 GeV/c. 353978
Rudolph, H.
Catalysts for radiation hardening of acidic-hardened resins, activated by UV-light. (German (F.R.) patent document 1947194/C/) 354451
Method to harden coating masses made of unsaturated polyesters and partly polymerizable monomers by UV irradiation. 376290
Polyester moulding – and coating materials to be hardened by UV-irradiation. 354441
Polyester moulds and coating substances to be hardened by UV-irradiation. 354422
UV-hardening polyfunctional acrylic acid ester of high dark storage stability. (German (F.R.) patent document 2430081/A/) 375710
Rudolph, R.R.
Alternative fuel cycle options: performance characteristics and impact on nuclear power growth potential. (ANL – 77-70) 379652
Rudolph, R.W.
Direct effects in the electrophilic substitution of deltahedral boranes and heterboranes. Deuteration and halogenation of 1-SB_9H_9 and $SB_{11}H_{11}$. 378406
Rudolph, W.
Delayed neutrons and high-energy γ-rays from decay of ^{87}Br. 372800
Emission of X ray continua by bombardment of thick Si targets with protons and ^{14}N ions. (INIS-mf – 3996) 363954
Experimental investigation at the tandem accelerator EGP-10-1 of the Central Institute of Nuclear Research, Rossendorf. 357937
Rudometkina, T.F.
Complexing of uranium (6), zinc (2) and manganese (2) with 7-(benzene-azo)-8-oxyquinoline-5-silfonic acid. 378158
Some organic solvents effect on properties of uranium(6), zinc(2) and manganese(2) compounds with 7-(2-thiazolilazo)-8-oxyquinoline-5-sulfoacid. (INIS-mf – 4192) 375548
Rudovskij, B.P.
Radiographic inspection of atomic power station units with the help of a microtron. 376274
Rudskikh, T.A.
Morphological and biochemical blood changes in cows chronically exposed to strontium-90. 349792
Rudstam, G.
Operation of the R2-0 reactor. Studies of short-lived fission products by means of a isotope-separator connected to the R2-0 reactor. (OSIRIS). (STU – 75-3332) 376882
Rudy, C.R.
Tritium half-life. (MLM – 2458) 378054
Rudy, R.J.
Evidence for a 39-d period in Cyg X-1. 359109
Rudyak, B.I.
Accelerating system of an ion linear accelerator. (Soviet patent document 434900/A/) 355171
Rudyk, Yu.M.
Gamma-spectrometry method of phosphorus deterination in representative samples and boreholes. 349641
Investigation into the correlationship between uranium, thorium and phosphorites of the Udsko-Shantarskij basin. 357499
Rudzikas, Z.B.
Correlation between wave functions of many-electron atoms in various coupling schemes. 368666
Matrix elements of the electric multiple transition and relativistic correction operators in the case of complex configurations. 377047
On the theory of electric multipole transitions in atoms. 368659
Properties of the fractional parentage coefficients and the reduced matrix elements of operators with respect to the transposition of the spin and quasispin quantum numbers. 377118
Theoretical investigation of the energy spectra of the oxygen isoelectronic sequences taking into account relativistic corrections. 376978
Rudzit, G.P.
Extraction of thorium with some pyrazolone derivatives. A new version of photometric determination of thorium with arsenazo 3. 364838
Increasing of sensitivity of rhenium and molybdenum determination with thioglycolic acid using formation of three liquid phases during extraction. (INIS-mf – 4191) 375235

Investigation into antipyrilazonaphthol sulfoacids reaction with certain metal ions. (INIS-mf – 4188) 375549
Simultaneous extraction photometric determination of molybdenum and rhenium with thioglycolic acid. (INIS-mf – 4191) 375234

Ruebenbauer, K.
An investigation of magnetic ordering in Gdsub(x)Cesub(1-x)Ru_2 by ^{155}Gd Moessbauer spectroscopy. 371675
Some remarks on the Fourier analysis of Moessbauer spectra. 364104

Rueber, E.
Studies on the regeneration of the CFU-C population in blood and bone marrow or lethally irradiated dogs after autologous transfusion of cryopreserved mononuclear blood cells. 367508

Rueckert, M.
Recent working results of the programme 'diffusion data and fission product release'. (Juel – 1421) 355413

Rueckle, B.
Enhancement of neutron yield from Focus devices. (INIS-mf – 3963) 371787

Rueckner, W.
The Compton defect: double differential inelastic cross section of keV electrons from helium and molecular hydrogen. 353183
Recent H.E.E.I.S. results on the Compton defect. 371463

Ruedenauer, F.
Proceedings of the seventh international vacuum congress and the third international conference on solid surfaces. Volume 1. 368639, 368671, 368728, 368730, 368731, 368732, 368733, 368734, 368735, 368739, 368741, 368742, 368743, 368744, 368745, 368749, 368752, 368753, 368754, 368755, 368756, 368758, 368761, 368762, 368763, 368770, 368771, 368772, 368775, 368776, 368778, 368780, 368781, 368783, 368786, 368787, 368788, 368791, 368792, 368793, 368799, 368800, 368801, 368802, 368805, 368807, 368812, 368814, 368817, 368819, 368820, 368822, 368826, 368827, 368829, 368830, 368831, 368836, 368839, 368846, 368848, 368849, 368854, 368855, 368859, 368860, 368861, 368862, 368863, 368865, 368866, 368868, 368869, 368871, 368872, 368874, 368876, 368877, 368878, 368880, 368884, 368885, 368888, 368889, 368890, 368893, 368895, 368897, 368904, 368905, 368906, 368916, 368918, 368925, 368935, 368939, 368942, 368948, 368964, 368978, 368980, 368992, 368993, 369005, 369006, 369010, 369246, 369250, 369253, 369524, 369533, 369556, 369561, 369572, 369578, 369796, 369900, 369901, 369903, 369906, 369907, 369908, 369916, 369918, 369921, 369923, 369925, 369941, 369946, 369959, 369962, 369973, 369987, 369993, 369996, 369999, 370005, 370007, 370014, 370026, 370031, 370033, 370035, 370038, 370040, 370055, 370056, 370060, 370070, 370071, 370072, 370075, 370079, 370137, 370158, 370181, 370185, 370207, 370228, 370233, 370674, 370675, 370676, 370677, 370680, 370683, 370738, 370743, 370749, 370752, 370755, 370764, 370767, 370775, 371083, 371089, 371178

Ruedenauer, F.G.
A computer program for peak identification in secondary ion mass spectra. (SGAE – 2421) 363927

Ruediger, O.
State and development trends in the field of hard metals. 367297

Ruediger, R.
On turbulent motion caused by temperature fluctuations – a critical review on the Boussinesq approximation. 377648

Rueegg, W.
Depolarization of positive muons in Cu. 377172
Knight shift measurements by spin rotation of positive muons (μ^+SR) in ferromagnetic Ni. 377173
Positive muons in copper: Detection of an electric-field gradient at the neighbor Cu nuclei and determination of the site of localization. 363875

Rueger, J.
Mechanical air filter unit. (German (F.R.) patent document 2334586/C/) 367935

Ruehl, W.
Quantum fields with a multiplicative structure. 353148

Ruehle, H.
Comparative measurement to determine the radionuclide concentration in waste water from nuclear power plants. (WaBoLu – 38-77) 376200

Ruehle, M.
Radiation damage in metals and its investigation by means of transmission electron microscopy. Pt. 1. 374707

Ruehmer, W.
Evidence for a narrow width boson of mass 2.95 GeV. 372519
Inclusive anti K^{*0} (890) production in π^-p interactions at 16 GeV/c. 356507
Observation of the reactions π^-p⟶anti pd at 10 and 16 GeV/c. 372520
Peripheral anti pn production and decay angular distributions in the reaction π^-p → (anti pn)p at 12 GeV/c incident momentum. (BONN-HE – 77-14) 366886
Production of phi and f' in 10 GeV/c K^-p interactions. 353959

Rueppel, D.W.
Calibration of a dePangher long counter from 2 keV to 19 MeV. 355586
Multi-technique characterization of neutron fields from moderated ^{252}Cf and ^{238}PuBe sources. (UCRL – 79483) 370689

Ruesch, R.
Evidence for the F meson. 353947
Measurements of tau decay modes and a precise determination of the mass. 372505
On the origin of inclusive electron events in e^+e^- annihilation between 3.6 and 5.2 GeV. 353772
On the semileptonic decay of charmed hadrons. 356496

Ruether, W.
Radiobiological studies on biological systems of animals exposed to the heavy nuclei of cosmic galactic radiation. 360258

Ruetten, H.
Economic aspects of power generation in HTR reactors. 371228

Ruetten, H.J.
Near-breeding thorium fuel cycle in the pebble-bed HTR. 379708
Numerical investigations of the breeding behaviour of a pebble-bed HTR. 370801
Pebble bed HTR with once through fuel cycle. 355442
Pebble-bed HTR in the "once through" fuel cycle. (ERDA-tr – 318) 370994

Ruf, H.
Determination of uranium in minerals by instrumental neutron activation analysis and spectrophotometry, two independent methods. (KFK – 2458) 354303
On the use of anion exchange resin and acidic-organic mixtures in the separation of Na, Cs and Ba. (KFK – 2460) 351622

Ruf, M.
Radioecological studies in the main outfall of Gundremmingen nuclear power station. 357783

Ruf, R.
Nuclear power plant. (German (F.R.) patent document 2258226/B/) 350194

Rufanov, Yu.G.
Mechano-thermal treatment of armco-iron. 349453

Ruffini, R.
Marcel Grossmann meeting on general relativity. 355716, 355718, 355731, 355736, 355739, 355740, 355743, 355747, 355748, 355749, 355755, 355767, 355768, 355770, 355775, 355778, 355790, 355791, 355793, 355796, 355801, 355810, 355811, 355813, 355814, 355820, 355823, 355824, 355825, 355828, 355831, 355835, 355838, 355839, 355840, 355842, 355845, 355847, 355850, 355851, 356213, 356214, 356234, 356235, 356248, 356249, 356276, 356298, 356301, 356307, 356312, 356322, 356328, 356347, 356351
On relativistic magnetohydrodynamics processes in the fields of black holes. 356312
Perturbations of an analytic background metric. 355823
Schwarzschild black hole in an asymptotically uniform magnetic field. 377612

Ruffo, S.
Is a Bell-type inequality for nondicotomic observables a good test of quantum mechanics. 363747

Ruggiero, A.G.
Beam – beam effect simulation for a modest colliding-beam experiment at Fermilab. 363331
Computer simulation of bunch lengthening and widening in proton storage rings. (CONF-770709 – 10) 363330

Ruggles, A.E.
Vapor cycle energy system for implantable circulatory assist devices. Final summary May – Oct 1976. (PB – 268221) 365666

Ruggles, J.M.
EBR-II derived fission yields from vanadium encapsulated fission monitors. (HEDL-TME – 75-130) 351379

Ruhlman, W.A.
Training programs inspections. 358157

Ruhmer, W.T.
The recovery of sulphur, uranium, and gold from residues. 367200

Ruhs, N.
Multiparticle model for the description of the neutron-production in the plasma focus. (LA-tr – 77-58) 372007

Ruhter, W.
Operations manual for the megachannel gamma-ray coincidence system. (UCID – 17603) 379940

Ruhter, W.D.
Development of a minicomputer system for on-line processing of gamma – gamma coincidence events and measurements of E2/M1 mixing ratios in ^{110}Cd and ^{134}Ba. (UCRL – 52360) 372546

Ruijgrok, Th.W.
Isospin-induced correlations in a large class of models for high multiplicitiy events. 353893

Ruina, J.
Nuclear power and weapons proliferation. 358585

Ruiter, H.R. de
Identifications from the WSRT deep surveys. 366712
Westerbork surveys of radio sources at 610 and 1415 MHz. 366780

Ruiz, A.
A search for collective pion production in 2 GeV/Nucleon heavy ion reactions. (LUIP – 7708) 354711

Rujanavech, N.
Cerebrospinal fluid kinetics in normal human volunteers via radionuclide imaging and mathematical modelling. 354952

Rujula, A. de
Charm is found. 375048

Rukhin, A.B.
Magnet with a radial field for flowing liquid polarization. 371161

Rukhlo, V.P.
Experimental determination of the effective resonance integral of metallic thorium. 358049

Rukk, F.
X-ray investigation of YbTe-TmTe solid solutions. 351744

Rule, D.W.
Direct radiative capture of high-energy electrons by atomic ions. 348686
Excitation, ionization, and charge exchange cross sections and equilibrium charge states of highly charged ions in a neutral gas. 358801
Total Born-approximation cross sections for single-electron loss by atoms and ions colliding with atoms. 350675

Rulis, A.M.
The isotropic part of the potential between two H_2 molecules. 353346

Rullhusen, P.
Delbrueck scattering of 2.75 MeV photons by uranium. 362103
Nuclear resonance fluorescence in ^{94}Mo, ^{95}Mo and ^{96}Mo. 351417
Rumanov, Eh.N.
Formation of solid solutions under combustion conditions. 370098
Rumble, B.J.
Portsmouth Gaseous Diffusion Plant environmental monitoring report for calendar year 1976. (GAT – 914) 362978
Rumble, E.T.
Application of the Bayes equation to predicting reactor system reliability. 362924
Rumble, J.R. Jr.
Upper and lower bounds for the oscillator strength of the x $^1\Sigma$sub(g)$^+$-c $^1\Pi$sub(u) transition of the hydrogen molecule. 348733
Rumer, I.A.
Determination of oxidation potential of the pair Fm^{2+}/Fm^{3+}. 359748
The lowest oxidation state of the first half lanthanide series elements. 357106
Rumi, R.F.
Strength functions of primary soft gamma transitions near the neutron binding energy. (INIS-mf – 3897) 354275
Rummery, T.E.
Corrosion product stability in high temperature aqueous systems – deuterium isotope effects. 362311
Rumpf, H.
Covariant treatment of particle creation in curved space-time. 355835
Covariant treatment of particle creation in external fields. 355834
Rumyantsev, A.P.
Diffusion of alkali metals and self-diffusion in $LiNbO_3$ monocrystals. 364969
Influence of SrF_2 and ZrO_2 additives on kinetics of $SrTiO_3$ sintering. 370097
Rumyantsev, C.A.
Optimization of RS-tape apparatus radiation protection. 349941
Rumyantsev, S.A.
Nonstationary convection and precipitation of energetic particles. 357544
Rumyantsev, V.D.
Effect of dialkylphosphites on fire resistance of irradiated polyethylene. 359768
Rumyantsev, V.S.
Four-prong π^-p interactions with π^0 production. Pt. 2. Cross section determination by statistical method; study on characteristics of proton and neutron production. (JINR-R – 1-8793) 364460
Technique of study on the $\pi^-p \rightarrow p\pi^+\pi^-\pi^- + m\pi^0$ and $\pi^-p \rightarrow n\pi^+\pi^+\pi^- + m\pi^0$ reactions at 5GeV/c by means of a one-meter propane bubble chamber. (JINR – 1-8514) 369389
Rumyantsev, V.V.
Electron linear waveguide accelerators for applied purposes. (INIS-mf – 4194) 376273
Electron power pulsed accelerators for national economy. (INIS-mf – 4194) 376355
Rumyantseva, E.N.
Photon gas in the Friedmann world. 348617
Quantum statistics of massless particles in the Friedman world. (JINR-D – 17-10529) 374584
Runcorn, S.K.
Primaeval melting of the moon. 364398
Rundo, J.
Ingestion of ^{241}Am sources intended for domestic smoke detectors: report of a case. 370410
Runge, D.A.
Vacuum cleaner for radioactively contaminated particles. (US patent document 4,061,480/A/) 379464
Runge, E.G.
Use of CO-N,β-detectors for power density measurement in PWR reactors; operational experience; long-term behaviour. 370904
Runge, H.
Electron microscopical observation of the radiation damage distribution in ion implanted SiO_2-Si structures. (INIS-mf – 3996) 364054
Runge, K.
Assessment of the mechanical and thermal stability of Type A and Type B packagings in the GDR. 350004
Runkova, G.G.
Temperature dependence of diethyldithiocarbamate on its radioprotective effect. 349751
Runkovskaya, L.Ya.
Stimulation of germination of conidium Aspergillus niger, a citric acid producer, under the action of mutagenic factors. 362650
Runnalls, O.J.C.
Canada's uranium industry. 362584
The Canadian uranium supply situation. 360163
Uranium resources: the Canadian status. 360164
Runov, A.E.
Quantitative determination of ferrite content in chromium-nickel steel welds. 369564
Runov, N.N.
$Tb(ClO_4)_3$-$CS(NH_2)_2$-H_2O system at 25 deg C. 351499
Runov, V.K.
Methyl-bis-(8-oxy-2-quinolyl)-amine as luminescent reagent for determination of elements of gadolinium group. (INIS-mf – 4191) 375273
New possibilities of yttrium, europium, samarium and gadolinium determination by luminescent method. (INIS-mf – 4192) 375229
Runov, V.V.
Experimental observation of the asymmetry of polarized neutron critical scattering from Fe above Tsub(c). 377258
Runstadler, P.W. Jr.
1/20 scale model pump test program: facility description report. Key phase report, March 1977. (EPRI-NP – 293) 379640
Runtso, M.F.
Scintillation coordinate-sensitive detector with a high time resolution. 358348
Ruoslahti, E.
Radioimmunoassay of capsular polysaccaride antigens of groups A and C meningococci and Haemophilus influenza type b in cerebrospinal fluid. 349844
Ruoss, C.W.
Electromagnetic lifting mechanism for a control rod of a nuclear reactor. (German (F.R.) patent document 2259583/C/) 355355
Rupasov, A.A.
Generation of the 3/2ωsub(o) harmonic of the neodymium laser radiation on heating of spherical targets. 377337
Investigation of compression of hollow microspheres irradiated by a laser. 348878
Rupert, P.R.
25 megajoule energy storage and delivery system for the Shiva laser. (UCRL – 79700) 374819
Rupert, V.C.
Brillouin scatter in laser-produced plasmas. (UCRL – 79769) 366615
Calorimeters for measurement of ions, x rays, and scattered radiation in laser-fusion experiments. 366548
Energy balance measurements for Shiva. (UCRL – 79801) 377409
Evidence for profile steepening in laser-irradiated plasmas. 364240
Exploding pusher experiments utilizing a 4π illumination system. 372041
Polarization and angular dependence of 1.06-μm laser-light absorption by planar plasmas. 350896
Rupertsberger, H.
Gauge vacuums and the conformal group. 363746
Monopole theories with strings and their applications to meson states. 353036
Rupp, G.
Enhancement of the critical current of multifilamentary Nb_3Sn conductors by tensile stress. 351802
Procedure of continuous measurement of critical current and stability of superconducting tapes and composites. 359979
Ruppeiner, G.
Ultrasonic propagation in ^{3}He – ^{4}He mixtures near the tricritical point. 351129
Ruppert, G.
Functional scintigraphy of salivary glands with ^{123}I and sup(99m)TcO_4. (INIS-mf – 4010) 367596
Problems with the determination of TSH-levels and with the TRH-test in routine diagnostic procedures. (INIS-mf – 4010) 370500
Ruppert, U.
Experience with a supercritical helium cooling system for the investigation of superconductors. 360628
Ruprecht, L.
Distribution of ^{201}Tl and of ^{85}Sr microspheres in dog's myocardium after temporary experimental ischemia. (INIS-mf – 4010) 362790
Rus'kina, G.Ya.
Fission of preactinide nuclei. Angular anisotropy of (α,f) reaction. 375181
Rus'yanova, N.D.
Catalytic properties of V_2O_5-Nb_2O_5 system. 351570
Rusakov, A.A.
Technique for study on the texture of internal surfaces of cylindrical bodies. (Soviet patent document 463897/A/) 368838
Rusakov, S.
201-GeV/c proton-proton elastic scattering at large momentum transfer. 366888
Rusakov, V.A.
Light system for the "Lyudmila" 2-m liquid-hydrogen buble chamber. (JINR – 13-9442) 350354
Photography system for the "Ludmila" facility. Tape transport mechanism, gas panel and control electronics. (JINR – 13-9710) 376608
Rusakov, V.S.
The program for processing of Moessbauer spectra. (IAE – 2541) 356028
Rusanov, A.I.
Investigation of the coefficient of water condensation in NaCl and CsCl solutions. 378312
Rusbridge, M.G.
Non-adiabatic effects in charged particle motion near a neutral line. 366619
Rusche, B.C.
Realities of implementing regulatory policy. 358577
Ruse, G.F.
High temperature Raman spectroscopy of silver tetratungstate, $Ag_2W_4O_{16}$. 365212
Rusetskij, V.K.
Standard logic elements in the 'Chereshnya' unified structure. (ITEF – 62) 376716
Rush, C.K.
The prospects for energy from alternate sources in Canada. 361143
Rushbrooke, J.-G.
High multiplicity π^-d interactions at 21 GeV/c. 356503
Rushbrooke, J.G.
Tests of factorization from single- and double-pion production in 100-GeV/c p-antip and pp collisions. 351230
Rushton, A.M.
Radiative muon capture in calcium. 351365
Rusic, M.
Paradoxal sleep deprivation: Effect on incorporation of (^{35}S)

sulphate into rat brain acid mucopolysaccharides. (INIS-mf – 3939) 357625
Rusin, L.Y.
Resonance structure in the low velocity scattering of H atoms from C_2H_4. 358813, 377109
Rusina, M.N.
Cd^2, Cu^2, Pb^2 compounds with cinnamic acid. 375550
Rusina, O.N.
25 deg C isotherm of solubility and physico-chemical properties of saturated solutions of the sodium B-paratungstate-potassium-B-paratungstate-water system. 375418
Rusinov, A.I.
Superconductivity in crystals without a symmetry center. 369243
Rusinova, G.G.
Incorporation of exogenous DNA into tissues of irradiated rats. 379038
Rusinova, O.V.
Radioactive and alkaline elements in metasomatites of gold-and-silver deposits of Kazakhstan. 375982
Ruskin, R.L.
Production of ^{79}Kr for pulmonary ventilation and blood flow studies. 351612
Ruskov, S.
Experience of nuclear power station construction in the People's Republic of Bulgaria. 370922
Rusov, G.I.
Internal strains in iron-nickel films prepared from invar alloys. 370062
Russ, G.A.
Distribution of oxygen-15 in the dog at the steady-state. 352074
Russ, J.S.
Comparison of the line-reversed channels p-barp → $\pi^-\pi^+$ and π^+p → $p\pi^+$ at 6 GeV/c. 351232
Measurement of the line-reversed reactions p-barp → π^-rho$^-$ and π^-p → prho$^-$ at 6 GeV/c. 369376
Russell, C.T.
Characteristics of the association between the interplanetary magnetic field and substorms. 367416
Evidence for the control of Pc 3,4 magnetic pulsations by the solar wind velocity. 360210
Observations of magnetic merging and the formation of the plasma sheet in the earth's magnetotail. 351973
Relative locations of the bow shocks of the terrestrial planets. 372253
Russell, F.M.
Mixed-μ magnetic levitation for advanced ground transport system. (RL – 77-076/B) 376325
Performance of a frozen spin polarised proton target. (RL – 77-142/B) 365755, 376384
Russell, G.J.
A hybrid static/dynamic heating technique for the measurement of nuclear Doppler effects. 374384
Spin polarization and temperature effects in reflection diffraction from W(001). 373170
Russell, J.E.
In situ experiments related to waste repository design. (Y/OWI/TM – 25) 366089
Russell, J.J.
Comparison of the line-reversed channels p-barp → $\pi^-\pi^+$ and π^+p → $p\pi^+$ at 6 GeV/c. 351232
Measurement of the line-reversed reactions p-barp → π^-rho$^-$ and π^-p → prho$^-$ at 6 GeV/c. 369376
Russell, K.C.
Strain energy interactions, the T/sub o/ concept and sympathetic nucleation. 361467
Russell, M.L.
LOFT fuel modules design, characterization, and fabrication program. (TREE-NUREG – 1131) 352798
Russell, S.H.
CANDU – Canadian experience and expectations with the heavy-water reactor. (AECL – 5707) 360937, 365963
Russell, W.L.
Comments on mutagenesis risk estimation. (CONF-7610137 – 1) 373541
Russo, G.
A direct determination of the density matrix in a nuclear system. 372585
Fission isomers produced by fast neutrons on a ^{240}Pu target. 359472
Transmission solar focusing collector. 365321
Russo, P.
Quadrupole moment of the first excited 2^+ state of ^{18}O. 351424
Transitional features observed in the charge and angular distributions of deeply inelastic fragments produced in the reactions $^{181}Ta+620$ MeV ^{86}Kr. 372722
Russo, V.L.
Determination of the thermodynamic properties of titanium sponge, rare earth oxides and carbonates. 351554
Experimental study of temperature fields into lanthanum trifluoride crystals growing by Czochralski method. 357055, 362206
Thermophysical features of aluminothermal preparation of strontium. (INIS-mf – 4187) 375567
Rust, D.M.
Do surges heat the corona. 356313
Emerging flux model for the solar flare phenomenon. 351025
Soft X-ray observations of large-scale coronal active region brightenings. 366746
Rust, D.R.
Preliminary polarization results at Fermilab energies. (COO – 2009-128) 364571
Rust, J.H.
Dose-effect relationships for fife shortening, tumorigenesis, and systemic injuries in mice irradiated with fission neutron or ^{60}Co gamma radiation. 354765
Georgia Institute of Technology research on the gas core actinide transmutation reactor (GCATR). (CONF-760646 –) 374241
UF_6 breeder reactor power plants for electric power generation. (CONF-760646 –) 374265
Rust, K.
Heat transfer analysis of experiments simulating a loss-of-coolant accident. 376520
Influence of the size and shape of cooling channel blockages on the emergency core cooling in the reflood phase of a LOCA. (KFK – 2435) 357796
Reflood experiments with bundles of ballooned rods. 376515
Rustad, R.C.
The reduction of radiation-induced mitotic delay by caffeine: a test of the cyclic AMP hypothesis. 376083
Rustagi, R.S.
Integrated planning for a fuel industry, with emphasis on the minimum size appropriate for fabricating one's own fuel. 365829
Reactivity requirements and safety systems for heavy water reactors. 371000
Rustagi, S.C.
Problems and improvements – emergency power plants at CIRUS. 379844
Rustamov, Kh.Sh.
Temperature dependence of Raman spectra of Basub(0.25)Srsub(0.75)Nbsub(2)Osub(6) crystal. 358898
Rustamov, P.G.
Electrophysical properties of $EuA_2{}^5X_4{}^6$ type compounds. 369624
The Gd_2S_3-Cr_2S_3 system. 375551
Investigation into reaction of indium selenides with iron. 375552
Investigation into the In_2Se_3-Sb_2Se_3 system. 369633
On synthesis and investigation into yttrium chalcochromite. 375499
Preparation and properties of Tb and Dy chalcochromites. 369656
Synthesis preparation of monocrystals and study of the properties of the $InSbSe_3$ and $InSbS_3$ compounds. 369632
Thermoelectrical properties of In_2Te_3 and [In_2Te_3]sub(1-x) – [SnTe]sub(x) solid solutions. 370041
Rustamov, P.T.
Investigation into some physical properties of alloys in the region of solid solution in the system Ce_2Se_3-$SnSe_2$. 378698
Rustgi, M.L.
Generalized BCS calculations for the 2s-1d shell with realistic interactions. 359426
Theoretical investigation of the photodisintegration of deuteron at 0^0 for the outgoing protons. 354105
Rustgi, O.P.
Theoretical investigation of the photodisintegration of deuteron at 0^0 for the outgoing protons. 354105
Rustgi, S.
E.s.r. of free radicals in aqueous solutions of substituted pyrimidines. 376069
E.s.r. of spin-trapped radicals in aqueous solutions of amino acids. 365359
Rustichelli, F.
Dynamical neutron diffraction by curved crystals in the Laue geometry. 371551
Monochromatic single crystal. (German (F.R.) patent document 1816542/B/) 352820
Rusu, C.
Electrical transport and thermopower in cermet-type thin films. 357354
Rutagengwa, N.
Extraction of tungsten (VI) from hydrochloric and nitric acid solutions by tri-isooctylamine in various organic diluents. 351585
Rutes, O.V.
Effect of ultrasonic treatment of liquid melt on micro-chemical inhomogeneity and plasticity of nickel base heat resisting alloys. (INIS-mf – 3914) 349523
Rutgers, W.R.
Cyclotron radiation of tokamak plasmas. 368987
Electron-cyclotron emission as a temperature diagnostic for tokamaks. (INIS-mf – 3963) 374854
First measurements of electron-cyclotron emission spectra from PLT. 353622
Skin heating and confinement in a tokamak plasma. (INIS-mf – 3963) 371916
Ruth, W.
Recent experiments on the treatment of medium level wastes and spent solvent and on fixation into bitumen. 358466
Ruther, W.E.
In-reactor stress relaxation of Inconel X750 springs. 362554
Proof tests of irradiated and unirradiated EBR-II subassembly ducts. (CONF-770807 – 44) 368253
Rutherford, J.A.
Cross sections for charge transfer between mercury ions and other metals. Final report, June 1973 – April 1977. (N – 77-27890) 377142
Rutherford, P.H.
Drift-modified tearing instabilities due to trapped electrons. 350814
Nonlinear saturation of the dissipative trapped-electron instability. 358925
Stability and magnetic tearing of finite-β modified drift waves. (PPPL – 1376) 364179
Ruthrof, K.
Safety Technology Research Program in the field of pressurized water reactors. 1. Technical report on advancement project RS

36/2. Emergency cooling program service life experiments: reflooding experiments involving the primary loop systems. (LA-tr – 77-44) 352292
Rutkauskas, V.J.
Fast flux test facility major component testing experience and plant construction experience. 379841
Rutkevich, N.Ya.
A chamber for nuclear emulsion irradiation by charged particles. (KFTI – 75-15) 360658
Rutledge, J.J.
Effects of ancestral x irradiation followed by random mating on body weight of rats. 367496
Estimates of genetic parameters of body weight in descendants of x-irradiated rat spermatogonia. 367497
Rutledge, L.L. Jr.
Energetic charged particle yields induced by pions on complex nuclei. 359494
Rutman, D.S.
On nature of maximum of electric conductivity in solid electrolytes based on zirconium dioxide. (INIS-mf – 4189) 375466
Rutten, A.J.
Spectroscopy of ^{39}Ar with the ^{36}Sn(α,n) and ^{38}Ar(d,p) reactions. (INIS-mf – 4267) 378065
The transient magnetic field at low ion velocity. (INIS-mf – 4267) 378049
Rutter, I.
Time variation of activity of some fission products released during variable reader operating histories. (IFA-MN – 22-1976) 357376
Rutter, R.L.
Some United Kingdom experience and practice in the packaging and transport of irradiated fuel. 367944
Ruuskanen, V.
The Okubo-Zweig-Iizuka rule and unitarity. (HU-TFT – 77-3) 366865
Ruvalds, J.J.
High temperature superconductors and method. (US patent document 4,043,809/A/) 370119
Ruvinskij, M.A.
Specific features of the negative photoconductivity in n-type CdSe and p-type Znsub(x)Cdsub(1-x)Fe – monocrystals under selfexcitation. 348841
Ruys, J.H.J.
Functional imaging of the blood flow in the kidney, comparison with selective X-ray angiography. (INIS-mf – 4010) 362725
Ruyter, I.
Status of the power ramp tests with LWR fuel rods at the Petten HFR. 370844
Ruyven, J.J. van
Properties of odd Ag isotopes. (INIS-mf – 4267) 378015
The search for the tetra neutron. (INIS-mf – 4267) 377977
Ruzan, L.L.
Results of optical observations of the Cygnus X-2 and Scorpius X-1 x-ray sources. 364277
Ruzanov, G.D.
Samarkand complex facility for study on extensive air showers at the energy > $2x10^{14}$ eV. 363581
Ruzer, L.S.
Evaluating error distribution in the uptake of radioisotopes in the respiratory system. 354854
Ruzhichka, Ya.
FORTRAN text correction with the CDC-1604-A console typewriter during reading a punched card program. (JINR-R – 11-10612) 376855
Ruzicka, J.
Low-temperature physics and technology in JINR. 366791
Thermodynamics of low-temperature technology. 366808
Ruzicka, V.
New sources of uranium. 349653
Ruzinova, E.A.
Vapor pressure above system containing $ZrCl_4$, $FeCl_3$, $MgCl_2$, NaCl, KCl. 357058
Ruzmaikin, A.A.
The scale and strength of the galactic magnetic field according to the pulsar data. 372254
Ruzmajkin, A.A.
The magnetohydrodynamic dynamo-model of the solar cycle. 369113
Ryachev, A.L.
Effect of the wurtzite-sphalerite boundary on electrophysical properties of monocrystals. 348824
Electric explosion producing ohmic contacts on wide-zone semiconductors of A^2B^6 group. 364950
Quenching of noise photooscillations and photoconductivity of CdS. 374695
Ryabchenko, N.I.
Determination of the molecular weight of single-stranded DNA as a component of the deoxyribonucleoproteid complexes both irradiated and intact. 352003
Effect of transcription and translation inhibitors on reparation and degradation of DNA in irradiated thymocytes. 351993
Ryabchenko, S.M.
Electrofield effect in NMR of antiferromagnetic $CoCl_2$. 350712
Magnetoresonance investigations of antiferromagnetic $FeCl_3$. 355964
Ryabchikov, A.I.
Interaction between high-current relativistic electron beam and an interface. 376360
Ryabchikov, L.N.
Radiation hardening of Ni, V, Fe and their alloys following high-energy electron irradiation. (KFTI – 75-35) 354631
Ryabchikova, G.G.
Ionizing radiation effect on phase transformations in polymers. 373345
Ryabinin, M.S.
Observation of muon pairs in neutrino interactions at Serpukhov 70 GeV accelerator. 361870
Ryabka, P.M.
Dependence of the radiation defect formation in KCl crystals on the electron beam intensity and duty ratio. (KFTI – 74-47) 353427
Measurements of excess carrier lifetime in semiconductor radiation study. (KFTI – 75-35) 353396
Ryaboshapka, K.P.
The x-ray diffraction analysis method. (Soviet patent document 494670/A/) 375848
Ryabov, E.A.
The application of a high pulse repetition rate CO_2 laser with high average power for isotope separation by molecular dissociation in a strong IR field. 355067
Experimental selection of molecules for isotope separation by multiple-photon dissociation in an intense IR field. 364935
Isotope separation in high-intensity IR laser field. 362226
Laser opticoacoustic method for measurement of relative content of isotopes in molecules. 349164
Ryabov, N.V.
Pulse mean frequency meter. (Soviet patent document 488173/A/) 376647
Ryabov, R.A.
Fine structure effect on hydrogen permeation through iron. 375906
Hydrogen permeability of ironvanadium alloys. 375915
Ryabov, V.I.
Depth distribution of the absorbed dose of external γ-irradiation in domestic animals. 370688
Ryabova, A.A.
Ce^{4+} reduction in HNO_3 solutions during γ- and α-radiolysis. 362285
Ryabova, D.V.
Optimization of water regime of secondary circuits of nuclear power plants with WWER reactors. 368149
Ryabova, D.Z.
Diffusion layer effect on the strength of cast iron-steel 2Kh13 brazed joint. 362473
Ryabova, Eh.Z.
Chemiluminescence of the liver mitochondria of rats exposed to fast neutrons. 362662
Induced chemiluminescence of the blood plasma of rats in early postirradiation periods. 370365
Ryabova, K.G.
Carbonylation of aliphatic and cyclic alcohols by carbon oxide in the presence of BF_3 complexes with acetic propionic or monochloracetic acid. 375537
Ryabova, L.A.
Study on vanadium dioxide properties in millimeter wavelength region at metal-semiconductor phase transition. 350711
Switching in the VO_2-dielectric-semiconductor system. 377305
Ryabtsov, A.V.
Electron linear waveguide accelerators for applied purposes. (INIS-mf – 4194) 376273
Ryabukhin, V.A.
Kinetics of isolation of microimpurity ions by electrodialysis of suspensions of nonsoluble compounds. 359767
Ryabushkin, V.I.
Cold-rolled tube production on KhPT-250 mills. 375782
Ryabushko, O.P.
Studying complexing unithiol and its analogues with metal ions and its application in analysis. (INIS-mf – 4192) 375348
Ryabykh, S.M.
Radiation stability of lead- and siver azides in mixtures with oxides. 375711
Ryan, D.G.
201-GeV/c proton-proton elastic scattering at large momentum transfer. 366888
Ryan, F.J.
Ultraviolet inactivation of the midi variant of Qβ-RNA. Determination of quantum yield and lesions produced. 352004
Ryan, J.
Technetium-99m-labeled N-(2,6-dimethylphenylcarbamoylmethyl) iminodiacetic acid (/sup 99m/Tc HIDA): a new radiopharmaceutical for hepatobiliary imaging studies. 373687
Ryan, J.A.
CRBRP flow induced vibration program. (CONF-770933 – 1) 363520
Ryan, J.L.
Early fate of inhaled crystalline $^{239}Pu(NO_3)_4$ in rats. (BNWL – 2100(Pt.1)) 360301
Long-term effects of inhaled uranyl nitrate in rats. (BNWL – 2100(Pt.1)) 360303
Ryan, J.M.
Atmospheric gamma ray angle and energy distributions from 2 to 25 MeV. 360208
Evidence that cosmic γ-ray bursts are galactic. 374985
Ryan, J.W.
A simple radioassay for angiotensin-converting enzyme. 360399
Ryan, L.M.
NMR probe for combined homonuclear multiple pulse decoupling and magic angle spinning. 361082
Ryan, M.P. Jr.
Low-frequency limit of gravitational scattering. 372216
Some properties of spin-weighted spheroidal harmonics. 359058
Ryan, R.G.
State side of the siting equation: some case studies. 379294

Ryan, R.M.
Integration of nuclear reactor safety in instructional programs at RPI. 379278
Ryan, T.G.
Radiation sensitized chain reactions. Aqueous nitrous oxide and 2-propanol. 357177, 378542
Ryan, T.L.
Design of a three-meter, 7.5-TESLA superconducting segment test facility. (CONF-771029 – 109) 372082
Ryazanov, A.I.
Coalescence ensembles of pores and dislocation loops in conditions of radiation generation of point defects. (INIS-mf – 4190) 374770
Ryazanov, D.K.
Fission fragments spectrometry using a pulse current regime in an ionization chamber. (NIIAR-P – 254) 350330
Mathematical processing of experimental data on neutron yield from separate fission fragments. (NIIAR-P – 262) 377965
Measurement of prompt neutron spectra of ^{233}, ^{235}U, ^{239}Pu fission with thermal neutrons by relative and absolute methods. (INIS-mf – 3896) 356684
Measurement of the mean neutron yield from fragments of spontaneous fission of ^{252}Cf and thermal fission of ^{239}Pu. (INIS-mf – 3896) 356696
Ryazantseva, L.V.
Phase diagram of the AgCl-CsCl-KCl system. 375598
Ryazhskaya, O.G.
Photonuclear cross-section and nuclear losses of muons. 362038
Ryba, J.
Connection of electrometric amplifier with two FET transistors and operational amplifier. (Czechoslovak patent document 155896/B/) 371128
Rybak, V.I.
Generation and movement of magnetic domains in a SHF magnetic field. 374749
Rybakov, A.B.
Effect of surface decarburization and carburization of sample various faces and core structure on the steel impact viscosity. 357326
Rybakov, V.A.
Discrete saturation in EPR of $Pb_5Ge_3O_{11}$:Gd^{3+}. 353425
Pulsed saturation in EPR of crystals activated by gadolinium. (INIS-mf – 3955) 378278
Rybakov, V.G.
Muon flux measuring system for neutrino experiments at the IHEP accelerator. 357946
Observation of muon pairs in neutrino interactions at Serpukhov 70 GeV accelerator. 361870
Rybal'chenko, M.M.
On development of heat resisting composite material matrices operating at a temperature of 1100 deg C. 357330
Structure and properties of fiber composite material-heat resisting nickel base alloy reinforced with tungsten fibers. 359987
Rybaltovskij, A.O.
Kinetics of recombination of hole centers and electrons of admixtures in CaF_2: rare earth ion and SrFr: rare earth ion crystals. (INIS-mf – 3955) 377224
Rybicka, M.
The hyperfine quadrupole interaction observed in binary Agsub(x)Ysub(1-x). (INP – 866/PL) 371569
Rybicki, K.
Multiwire proportional chambers with a small sensitive area. (INP – 864/PH) 374312
Rybin, V.P.
Role of space structure of a feedback system for stabilization of flute oscillations in a rarefied plasma. 348933
Rybin, V.V.
Chromium-molybdenum-vanadium steel embrittlement during tempering. 370006
Rybinskaya, M.I.
Reduction of α-oxo- and α-oxyderivatives of ferrocenophane by sodium borohydride in the presence of the Lewis acid (aluminium chloride or boron trifluoride). 349270
Reduction of double bond by molybdenum carbonyl. 359665
Rybka, C.
Positronium formation in polyacenaphtylenes. 371488
Positronium lifetimes in molecular crystal with impurities. 371606
Rybkin, Yu.F.
Effect of neutral salts on basicity of molten KCl. (INIS-mf – 4189) 375553
Investigation of function of ceramic oxygen electrode in molten eutectic of potassium and lithium chlorides. (INIS-mf – 4189) 375554
Rybkina, R.D.
Investigation into reaction of rare earth oxides with LiF-LnF_3 molten systems. (INIS-mf – 4193) 375529
Rychenkov, V.N.
Muon flux measuring system for neutrino experiments at the IHEP accelerator. 357946
Observation of muon pairs in neutrino interactions at Serpukhov 70 GeV accelerator. 361870
Rychkov, V.P.
On relations between ionization potentials of some atoms. 357059
Rychlewski, Z.
Gammagraphy devices. (INIS-mf – 4015) 373960
Ryckman, S.G.
Observations of Cygnus X-3 from a balloon-borne x-ray telescope. (CONF-7510169 –) 364396
Rydberg, j.
Separation of actinides from HAW solution. (STU – 76-4120) 376759
Ryde, H.
A study of γ-decay modes from high angular momentum nuclear states by high order multiplicity measurements. 377955
A 4 ns high-spin isomer and a possible quadrupole-octupole coupling in ^{149}Sm. (ZfK – 336) 364798
Rydell, G.
Studies on the placental transfer in rats of ^{59}Fe- and ^{14}C-labelled iron-poly(sorbitol-gluconic acid) complex. 367586
Ryder, L.H.
What can low-energy nuclear physics tell us about elementary particles and quarks. 372478
Rydgren, A.E.
Observation of red-displaced absorption features in the T Tauri star S Coronae Austrinae. 372255
Ryding, D.G.
Precipitate coarsening, redistribution and renucleation during irradiation of Ni-6.35 wt.% Al. 373378
Rydnert, B.
Inconceivable events in handling material in a heavy mechanical engineering industry. (FTL – A16-71E) 379557
Rykalin , N.N.
Development criteria of protective coating of the thermonuclear reactor first wall by plasma methods. (INIS-mf – 3954) 362448
Rykalin, N.N.
Effect of laser irradiation of superconducting materials on the basis of niobium on the character of critical temperature change. 361759
Rykhlyuk, A.V.
X-ray semiconductor spectrometer with light feedback. (JINR-R – 13-10430) 376670
Rykov, A.G.
Investigations of redox reactions of actinides. 357086
Kinetics and mechanism of oxidation of plutonium (6) by persulfate ions in sodium carbonate solutions. 359729
Uranium (4) – neptunium (6) reaction kinetics in aqueous-alcoholic solutions. 357095
Rykov, V.L.
Diagonality of neutral current and gange schemes in color quark models. (IFVE-OTF – 76-5) 349081
Rykov, V.V.
Mechanism of photodeformation in cadmium sulfide low-ohmic monocrystals. 356006
Photoelectromotive force in plastically deformed cadmium sulfide related with crystallographic polarity. 374793
Rykova, V.V.
Solid-phase chemiluminescence and electrochemiluminescence of sulfuric-acid solutions of uranyl. (INIS-mf – 4195) 375646
Ryl'kova, Z.I.
Development of the process of radiation vulcanization of calendered rubber products using the "Electron-3" accelerator. (INIS-mf – 4194) 376284
Ryl'nikova, A.G.
Refining iron and iron-nickel alloys in a vacuum induction furnace with crucible of melted lime. 375797
Rylander, H.G.
Circuit and magnetic analysis for a system of Faraday rotator coils driven by a two-spool, four-rotor homopolar generator. (CONF-771029 – 119) 377482
Design, fabrication, and testing of a fast discharge homopolar machine (FDX). (CONF-771029 – 117) 377414
Electromagnetic torques and forces due to misalignment effects and eddy currents in the homopolar generator, power supply for the Texas Experimental Tokamak (TEXT). (CONF-771029 – 118) 377393
FDX: a fast discharge homopolar generator. (ORO – 5594-8) 377567
Homopolar generator development at the University of Texas. (ORO – 5594-7) 377566
Methods for producing the plasma initiation pulse in ohmic heating circuits in tokamak power reactors: resistive dissipation, transient inductive storage, and transient capacitive storage. (CONF-771029 – 120) 377394
System engineering and design of a pulsed homopolar generator power supply for the Texas Experimental Tokamak. (CONF-771029 – 114) 377350
Test data on electrical contacts at high surface velocities and high current densities for homopolar generators. (CONF-771029 – 121) 377361
Rylander, J.D.
ORIC RF system: preparation for HHIRF. (CONF-770313 – 83) 365754
Rylatt, J.A.
Thermal baffle for fast-breeder reactor. (US patent document 4,001,079/A/) 352775
Ryle, M.
Observations of OE323(4C34.13), MO758+120, and OS210(4C28.40) with the 5-km telescope. 349021
Rylov, V.S.
Rapid variability of He 2 lambda 4686 line contour in the spectrum of the star EZ CMa. 377662
Rylov, Yu.A.
On the electron cap shape of a rotating neutron star with a strong magnetic field. 366747
Ryman, A.G.
Polarisabilities and shielding factors for He, Ne and Ar. 366357
Rymar', V.I.
Particularites of wetting of steels with solders during heating in autovacuum. 359881
Rymarchuk, A.A.
Estimation of radiation risk in operations for removal of luminous paints. 349908

Ryndin, R.M.
Possibilities for studying weak interactions in atomic physics. 371520
Ryndina, A.M.
Extraction-complexonometric determination of vanadium(4) in the presence of vanadium(3). 349165
Rynes, P.E.
Measurement of the polarization in large angle π^-p elastic scattering at 2.93 and 3.25 GeV/c. 364596
Ryo, Ryukichi
Thrombokinetics. 370442
Ryo, U.Y.
Plasma thyroglobulin in detecting thyroid carcinoma after childhood head and neck irradiation. 360275
Ryon, A.D.
Nitric acid leaching of radium and other significant radionuclides from uranium ores and tailings. (ORNL/TM – 5944) 358501
Recovering uranium from wet-process phosphoric acid. 362334
Rysakov, A.A.
On the role of adsorbed metals with organic and inorganic ligands in electrode reactions. 357074
Rysakov, V.M.
Amplification of acoustic noises in CdS crystals along C_6 axis. 374771
Rysavy, M.
Nuclear structure effect in internal conversion of the 166 keV hindered M1 transition in ^{139}La. 377933
Nuclear structure effect on the internal conversion of the 166 keV transition in ^{139}La. 354106
Ryschkewitsch, M.
The concentration susceptibility in He^3-He^4 mixtures near the superfluid transition. 366809
RysiMa, M.M.
Effect of zirconium beryllide anodizing on its interaction with molybdenum and tungsten. 362293
Rysina, T.N.
Peculiarities of the post-irradiation restoration of DNP and PDN of various tissues of rats after acute exposure and administration of high-polymer DNA. 362684
Ryska, A.
Porous heat exchangers for continuous flow helium cryostats. 349977
Ryskamp, J.M.
Analysis of sensitivity of PWR fuel cycle costs to uncertainties in nuclear data. (BNL-NCS – 22500) 358209
Ryskin, A.I.
Combination light scattering in Ca(MoOsub(4))sub(1-x)(WOsub(4))sub(x) mixed crystals. 348797
Ryskin, V.I.
CAMAC-VEKTOR system for data readout from wire spark chambers with ferrite rings. (ITEF – 75) 350373
Data readout system in the CAMAC-VEKTOR standard for wire spark chambers with ferrite rings. 376733
Ryskulova, S.T.
Effect of X-radiation on at Pases activity of plasmatic membranes and other subcellular liver fractions. 370364
Effect of X-radiation on 5'-nucleotidase activity of the plasmatic membranes of the rat liver. 379039
Ryter, C.
Interstellar matter column density to CEN X-3. (CONF-7510169 –) 364399
Rytvinskaya, Eh.V.
Comparison of creep-rupture properties of α- and α+β titanium alloys below the chloride layer in the 200-380 deg C range. 349470
Rytz, A.
Description of the 4πβ(CP)-γ unit no. 3 in use at B.I.P.M. (BIPM – 75-2) 355080
Ryufuku, Hiroshi
Electron capture process from H by O^{8+}. 358814
Ryuger, Kh.
High-voltage supply system for a streamer chamber on a pulsed transformer. 371102
High-voltage system for the RISK facility. (JINR-R – 13-9740) 376662
Ryumin, S.P.
Composition of penetrating radiation over the Earth atmosphere by the Kosmos 721 data. 357551
On relation of low-energy proton fluxes with variations in the geomagnetic field. 376049
Ryumina, K.N.
Neutron activation determination of microgram concentrations of arsenic and antimony in mineral raw materials. 367052
Neutron activation determination of tungsten in rocks and minerals. 375360
Ryutov, D.
Modulational instability produced by Langmuir turbulence in a magnetic field. (INIS-mf – 3963) 371993
Ryutov, D.D.
Diffusion of heavy impurities in a dense wall-confined plasma. 348971
Ryvkin, M.N.
Vanadium refinement by crucible-less vacuum distillation. (KFTI – 75-10) 354483
Ryvkin, S.M.
Metal-p-semiconductor-metal structure on the basis of CdTe as a spectrometric detector for nuclear radiation. 376600
X-ray CdTe detectors. 376642
Ryvkin, Yu.I.
Bubble chamber. (Soviet patent document 486292/A/) 350307
2 m- chamber filled with neon – hydrogen mixture and with a track-sensitive hydrogen target. 358330
Ryzhenko, B.V.
Moessbauer studies of the distribution and charge of the vacancies in α-leboite crystal lattice. 366467
Ryzhenko, V.L.
Complexing in zirconium-xylenol orange-organic base system. Extraction-photometric determination of zirconium. 364911
Synergistic effects during dissolution of molybdenum and tungsten 8-hydroxyquinolinates. 351458
Ryzhikov, A.A.
Certain peculiarities of the carbon behaviour in preeutectic steel following electroslag remelting. 357318
Ryzhikov, I.A.
Instrumental neutron-activation analysis of standard samples of rocks and soils. (INIS-mf – 3994) 378134
Ryzhkov, V.M.
Dynamic Hanle effect in He^3. 377183
Ryzhkov, Yu.F.
Density of caesium at high pressures and high temperatures. 375904
Ryzhov, M.N.
International safeguards to ensure the non-proliferation of nuclear weapons. 371302
Ryzhov, N.M.
Drift wave excitation in the THETA-pinch high pressure plasma. (KFTI – 75-19) 377415
Ryzhov, V.N.
Synthesis and investigation into protonated of rare earth pyrocatecholmethyleneiminodiacetates of yttrium subgroup. 351507
Temperature effect on dependence of luminescence intensity of NaCl-Eu monocrystal on α-irradiation doses. (INIS-mf – 3955) 362521
Ryzhov, V.V.
Experimental study on electron-photon cascades in homogeneous and inhomogeneous absorbers. 361932
Ryzhov, Yu.A.
Anomalous absorption of electromagnetic radiation in a randomly inhomogeneous collisionless magnetoactive plasma. 356154
Investigation of He^+ and Ar^+ passage through thin carbon films. (INIS-mf – 3996) 364627
Rzaev, R.A.
The role of single and multiple scatterings during passing of muon beams in a medium with a focusing magnetic field. 364632
Rzesa, G.
Antigenicity of DNA induces by photoaddition of 8-methoxypsoralen. 367464
Rzewuski, H.
Ionization enhanced annealing in phosphorus implanted silicon. 368882
Photoluminescence in CdS irradiated with high-energy electrons. 370209
Rzezewski, K.
Chaotic isospin zero state of one mode isovector field. 353037
Rzhavichev, S.P.
Ferrocene-reagent for photometric and atomic absorption determination of some elements. (INIS-mf – 4192) 375363
Rzhevskaya, N.N.
Complexing of variable-valence metals with alcohols. 351575
Epoxidation of cyclohexene by ethyl benzene hydroperoxide in the presence of molybdenum catalyst. 378386
Rzhikovska, I.
Excited states of ^{163}Er, populated in the ^{163}Tm decay. 377950
System of computer programs for gamma and beta spectra processing. (JINR – 10-8928) 351355
s
Fuel element loading system. (US patent document 4,068,692/A/) 379667
S rkov, V.V.
Structure analysis of interstitial phases vapor deposited on different alloys. (INIS-mf – 4046) 370027
Saad, H.M.
A simple plasma device for plasma surface interaction processes. 353623
Saad, H.R.
A study of the ^{39}K(d,α)^{37}Ar reaction. 356697
Saadat, A.R.
Field ion and field emission microscopy of gallium, indium, and tin on tungsten. 362449
Field ion image qualities of Ga, In and Sn on W and work functions. 378699
Saakyan, G.S.
Cosmic rays from pulsars. 374955
Saar, Eh.M.
Accretion theory of spiral structure of galaxies. 369237
Saarikko, H.
Inclusive yields and transverse spectra of non-strange mesons. 353853
Spin and lifetime of the Ω^- hyperon. 372517
A study of direct and indirect pion production in π^+p interactions at 16 GeV/c. 377804
Saarlas, M.
Assessment of productivity at four generating plants. 363700
Saatsazov, V.V.
Iodine-127, bromine-79, chlorine-35 NQR spectra of diphenyl- and (p-chlorophenyl)phenylhalonium tetrafluoroborates. 359664
Sabado, M.M.
Mechanical design of the Doublet III indented vacuum vessel.

(GA-A – 14591) 371776
Sabaev, E.F.
Integral model of linear momentum for one-dimensional two-phase flows. 379431
Sabanova, T.I.
Spectrophotometric method for investigation into thermodynamics of plutonium chloride solutions in alkali metal chloride melts. (INIS-mf – 4193) 378390
Sabato, J.A.
Toward an Argentine nuclear industry. 352709
Sabatovskaya, V.L.
Limit reduction of mecroimpuritis detection in chemical-spectral analysis of pure substances. 359569
Sabba-Stefanescu, I.
Mathematical aspects of the problems of the analytical proposal in elementary particle theory. 349057
Sabbadini, A.G.
Bounds on the mass and the moment of inertia of nonrotating neutron stars. 372256
Bounds on the moment of inertia of nonrotating neutron stars. 351073
Sabbioni, E.
Application of neutron activation analysis to metallobiochemistry. 369543
Saberian, A.
Summary report on salt dissolution review meeting, March 29 – 30, 1977. (Y/OWI/TM – 31) 363669
Sabet, A.H.
Nuclear techniques used in prospecting for gold in the Arab Republic of Egypt. 375978
Sabharwal, P.S.
Cell division factors (cytokinins) from irradiated plant tissue. 379000
Sabharwal, S.C.
Electrical conductivity of γ-irradiated ADP and KDP crystals. 366460
Sabia, A.L.
Effect of whole-body irradiation with several radiation doses on the quality of rabbit sperm. 352034
Sabine, T.M.
An intercomparison of neutron powder diffraction instruments. 361414
Sabirov, B.M.
Timing properties study of serial coaxial Ge(Li) detectors of large volume. 371078
Sabirov, R.Kh.
Nuclear relaxation induced by a paramagnetic impurity. 348842
Sabirova, Eh.Sh.
Study of uranium (6) trioxide dihydrate reaction with aqueous solutions of sodium chloride. 362116
Sabo, M.
Czechoslovak-made Nb_3Sn superconductors. 367236
Sabol, G.P.
Load relaxation studies of zircaloy-4. (COO – 2172-16) 373206
Sabol, P.
The isothermal decomposition behavior of β-stabilized zirconium alloys at elevated temperatures. 378687
Saboungi, M.L.
Chemical Engineering Division physical inorganic chemistry. Annual report, July 1975 – June 1976. (ANL – 76-101) 364847
Sabourian, M.
Nuclear fuel cycle in Iran: the need for technology transfer. 352912
Sabov, V.I.
Ksub(lsub(3))- and Ksub(lsub(4))-formfactors in nonlinear chiral calibration SU(3) x SU(3) model. 364514
Sabri, Z.A.
Advanced nuclear energy systems; retrospects and prospects. 352179
Evaluation of human errors in commercial light-water reactors. 352250
Self-consistent approach to monitor and revise procedures of training local skills. 352599
Sabrie, J.L.
Research and development of cryoalternators for large-electrical power systems. 360645
Sabun, L.B.
Heat treatment of welded joints of the steel-12Kh1MF in Ac_1-Ac_3 temperature range. 362363
Saburova, R.V.
Double magnetoacoustic resonances in crystals. 374715
Saccardo, F.
Mutagenesis and breeding for disease resistance in capsicum. 373752
Sacchi, L.
Mortality and sterility induced in Piophila casei by x-ray and neutron irradiation. 357668
Sacco, R.
Strange particle production by antineutrinos. 356505
Saccomanno, G.
Uranium miner lung cancer study. Progress report, July 1, 1976 – July 1, 1977. (COO – 1826-36) 378874
Saccone, A.
Binary alloys of rare earths: phase equilibria of cerium – indium and neodymium – indium. 362394
Sacerdoti, G.
Description and performance of MEA, the magnetic detector at ADONE. 379480
Sachdeva, V.P.
F-layer effects caused by the Chinese nuclear explosion of 14 October 1970. 373473
Sachenko, V.P.
Size fluctuations of work function for small clusters of metals. 374730
Sacherer, F.
Longitudinal bunch dilution due to rf noise. 363248
Theory and performance of the longitudinal active damping system for the CERN PS booster. 363314
Sacherer, F.J.
Bunch lengthening and microwave instability. 363332
Single-bunch longitudinal instability. (BNL – 50611) 357990
Sachett, I.A.
Aspects and application of etch-pit technique in the distribution detection of uranium in solids. (INIS-mf – 4006) 350774
Sachot, R.
A new position-sensitive detector for thermal and epithermal neutrons. 374332
Observation of the decay $\pi^0 \rightarrow e^+e^-$. 377802
Sachrajda, C.T.
Asymptotic freedom beyond the leading order. 372374
Higher-order effects in asymptotically free gauge theories: the anomalous dimensions of Wilson operators. 364496
Sachs, A.M.
Extraction system of the Nevis Synchrocyclotron. 363209
Sachs, J.G.
Differential cross sections from classical perturbation scattering theory. I. 353252
Expansion of differential cross sections determined from classical trajectory studies in a series of Legendre polynomials. 368637
Sachs, M.
Comments on Fu's paper on the clock paradox as a cosmological problem. 363833
Sachs, P.L.
Distribution of some chemical elements between dissolved and particulate phases in the ocean. Period covered: August 1, 1976 – October 31, 1977. (COO – 3566-19) 379302
Sachs, R.G.
Light-water-reactor safety program. Quarterly progress report, April – June 1977. (ANL – 77-59) 367793
Role of Argonne National Laboratory in the transfer of nuclear technology. 352600
Sachs, R.K.
General relativity and cosmology. 366297
Sachse, K.
Manufacturing of a double-wall reactor insert by using special equipment for monitoring the strains and stresses caused by welding. 365720
Sachsenmaier, P.
Reflection losses from laser-produced plasmas. 374820
Sachsenmaier, R.
Angle-dependent reflectance of laser-produced plasmas. 371869
Sachwitz, M.
Further evidence for production of electrons with small transverse momenta in pp collisions. 377784
Sack, C.
Investigations on the interactions of fission products and aerosols in LWR-containments. (KFK – 2435) 357738
Sack, N.
Neutron transport methods in neutrino transport calculations. 372567
Sacker, D.F.
Effects of preloading of stannous compounds on the distribution of sup(99m)Tc-pertechnetate. 352157
Sackett, J.I.
Development of technical specifications for EBR-II: some considerations for application to commercial LMFBR's. (CONF-761001 – P2) 365599
Safety philosophy in upgrading the EBR-II plant protection system. (CONF-761001 – P2) 363009
Safety related considerations for operation with defected elements in EBR-II. (CONF-761001 – P2) 362923
Sackett, K.E.
Experiment data report for semiscale Mod-1 test S-06-1 (LOFT counterpart test). (TREE-NUREG – 1121) 357747
Experiment data report for semiscale Mod-1 Test S-06-2 (LOFT counterpart test). (TREE-NUREG – 1122) 357806
Experiment data report for semiscale Mod-1 test S-06-6 (LOFT counterpart test). (TREE-NUREG – 1126) 362917
Experiment data report for Semiscale Mod-1 Test S-28-1 (steam generator tube rupture test series). (TREE-NUREG – 1148) 373799
Experiment data report for semiscale Mod-1 test S-28-2 (steam generator tube rupture test). (TREE-NUREG – 1149) 367787
Experiment data report for Semiscale Mod-1 test S-28-3 (steam generator tube rupture test). (TREE-NUREG – 1150) 373820
Experiment data report for Semiscale Mod-1 test S-28-6 (steam generator tube rupture test). (TREE-NUREG – 1153) 373852
Experiment data report for Semiscale Mod-1 tests S-05-6 and S-05-7 (alternate ECC injection tests). (TREE-NUREG – 1055) 352224
Sackett, S.J.
EFFI: a code for calculating the electromagnetic field, force, and inductance in coil systems of arbitrary geometry. User's manual. (UCID – 17621) 377527
Sackmann, I.J.
Ejection of planetary nebulae by helium shell flashes and the planetary distance scale. 374972
Sacks, I.J.
Safeguards material control at licensed processing facilities. (UCID – 17525-77-1) 358588

Saclioglu, C.K.
Phenomenological descriptions of the onset of scaling. 353899
Sacquin, J.
Total cross sections for charged-current neutrino and antineutrino interactions in BEBC in the energy range 20-200 GeV. 353945
Sacton, J.
Determination of the branching fractions for kaons minus-meson absorption at rest in carbon nuclei. 362109
Search for strangeness changing neutral currents induced by neutrinos in GARGAMELLE. 361875
Sadakov, G.A.
Electrodeposition of cobalt-nickel-boron alloys and their properties. 362208
Sadana, D.K.
Structural and electrical profiles for double damage layers in ion-implanted silicon. 350775
Sadananda, K.
Creep crack growth in Alloy 718. 357319
Sadanandan, K.P.
Influence of added tannic acid on growth and in vitro ^{32}P-phosphate utilization by rumen microbes. 352125
Sadarangani, S.H.
Tritium persistence pattern in some terrestrial plants-field investigations. (INIS-mf – 4140) 373627
Uptake of tritium through foliage in capsicum fruitescens, L. (INIS-mf – 4141) 373608
Saddarudin, A.
Radon and thoron dosimetry by plastic solid state nuclear track detectors. 367375
Saddler, H.
Australian uranium and the election. 360476
Sadeghi, N.
Relative reaction rates in rotational and vibrational excitation of Nsub(2)(Csup(3)PIsub(u)) by Ar*($^3P_0$) and Ar*($^3P_2$) metastable atoms. 353347
Sadekov, I.D.
Synthesis and structure of aromatic and heterocyclic tellurium compounds. 351555, 369697
Theoretical study of inversion rotary barriers and mechanism of automerization of molecules of imines and ilides of tetracoordinated elements of group 6 A. 369675
Sadetdinov, Sh.V.
Solubility and properties of liquid phases of the ammonium tetraborate-ammonium chromate-water system at 25 and 50 deg C. 362212
Sadhukhan, B.C.
Estimate of the decay widths of scalar mesons (epsilon-epsilon') connection between meson-meson sigma terms and the phenomenology of scalar meson decays. 372486
Sadhukhan, H.K.
Nuclear industry – challenges in chemical engineering. (INIS-mf – 4166) 375789
Sadiev, A.
Characteristics of light emmiting diodes on the base of Gasub(0.7)Insub(0.3) and IaP<N>. 366424
Sadikov, I.P.
Mechanical chopper-monochromator with replaceable rotors. 376331
Sadilov, V.P.
Starting system for a 2-meter streamer spark chamber in a 17 GeV/sec α-particle beam. (JINR – 13-9030) 358334
Sadiq, M.
Induction of resistance to yellow mosaic virus in mungbean through induced mutations. 373753
Sadkovskij, V.S.
Scattering of α particles with the energy of 24 MeV on ^{10}B and ^{11}B nuclei. 349133
Scattering of 23,7 MeV alpha particles on sup(14)N and sup(16)O nuclei. 377992
Study on angular distribution of decay products of ^{8}Be ground state. 349141
Sadlej, A.J.
Accurate coupled Hartee-Fock calculations of the electric field dependence of the proton magnetic shielding in the hydrogen molecule. 368695
Perturbation calculation of molecular correlation energy using Gaussian-type geminals. Second- and third-order pair energy of H_2. 366312
Second-order correlation correction to the coupled Hartree-Fock polarizability of Be. 371454
Sadler, F.B.
Fang angular folding code for channel theory analysis. (ORNL/TM – 5228) 365819
Sadler, G.
The β-decay of ^{100}Y: discovery of a very low lying 0^+ state in ^{100}Zr. 354219
Sadlon, J.
The significance of iodine prophylaxis and the values of radioiodine uptake by the thyroid. 379149
Sadoff, A.
Ultrafast pulsed magnets for beam manipulation in an electron storage ring. 363206
Sadokhin, I.P.
Spectra and cross-sections of gamma ray production in inelastic interaction of neutrons with C, O, Al, Ti, Fe, Ni, Pb and Bi nuclei. (FEI – 584) 364772
Sadoulet, B.
Electron-muon and electron-hadron production in e^+e^- collisions. 366879
K^0 production in e^+e^- annihilation. 353983
Sadovnikov, V.V.
On thermodynamics of the first step in the dehydration reaction of isopropanol on gamma-Al_2O_3. 354372
Sadovoj, A.A.
Calculation of nuclear formfactors by the method of hyperspherical functions. 375201
Sadovskij, B.F.
Release of volatile fission products from atomic power stations and fuel reprocessing facilities to the atmosphere and the outlook for their recovery. 367194
Sadovskij, V.D.
Vanadium effect on recrystallization of chromium-molybdenum and chromium-nickel-molybdenum steels. 369978
Sadowski, M.
Experimental studies of laser-produced plasmas within the spherical multipole trap. (INIS-mf – 3963) 371734
Plasma-focus dynamics investigations by means of multiframe interferometry and shadowgraphy. (INIS-mf – 3963) 371812
Sadri, N.F.
Automatic reactor power measurement by continuous calorimetry. 355352
Sadrozinski, H.F.W.
Search for narrow resonant states in e^+e^- collisions near 6 GeV. 351208
Sadygov, F.M.
Study of interaction between bismuth sesquitelluride and yttrium sesquitelluride. (INIS-mf – 4040) 378384
Sadykhov, A.R.
Elastic scattering of high-energy electrons on nonspherical nuclei. 359392
High-energy electron elastic scattering on spherical nuclei. 377876
Sadykhov, D.M.
Determination of an effective porosity and relative laminar claysiness of reservoirs in the Sabunchi-Balkhany-Romany field from nuclear magnetic logging data. 367386
Sadykhov, F.S.
Polarization effects in the radiative ve(anti ve) scattering. 369317
Spin correlations in case of pion-pair photoproduction on a nucleron near nucleon resonances and pho – meson dominance. 349072
Sadykov, A.S.
Synthesis of certain new lupinine esters on the base of dialkythiophosphoric and dialkyldithiophosphoric acids and their alkylated iodides. 378192
Sadykov, N.M.
On the principles of the statistical theory of directional effects in crystals. (INIS-mf – 3995) 377260
Sadykov, R.A.
On products of radiolysis of sulfuric-acid solutions of uranyl and their radiochemiluminescence. (INIS-mf – 4195) 375660
Sadykov, T.Kh.
Gamma guanta families from a dense target and their inter. 361662
Some characteristics of gamma quanta in hadron interactions at energies above 2.5 TeV. 361742
Sadykov, V.A.
Data reading system from wire spark chambers with ferrite rings. (ITEF – 53) 366060
System of analog and digital data transmission out of a magnetic spectrometer into a computer. (ITEF – 54) 352836
Saeedi, P.S.
Role of foreign specialists in the transfer of technology in Iran. 352601
Saegusa, Kenji
Thyroid studies with iodine-123. 379198
Saeki, Masakatsu
Effects of gamma ray-irradiation on reactions of ^{125}I activated from ^{125}Xe(EC)^{125}I process with methane. 373031
Reactions of ^{125}I activated by ^{125}Xe(EC)^{125}I process with methane. 367151
Saeki, N.
Formation of altered layer on the sputtered surfaces of Cu-Ni alloy at liquid nitrogen temperature. 368819
Thickness and in-depth composition profile of altered layer caused on Cu-Ni alloy surface due to preferential sputtering. 377279
Saenko, A.S.
Radiomimetic action of glyceraldehyde and dihydroxyacetone. 362628
Saenz, A.W.
Telecommunication with neutrino beams. 377826
Saettel, M.A.
Preparation of self-supporting silver sulphide targets. (LA – 6850-C) 370766
Saf'yanov, A.V.
Large pipes of 15 gs, 14 khgs, and 30 khma steels for chemical high-pressure equipment. 375784
Saf'yanov, Yu.N.
Crystal structure of double Cs, La-sulfate $Cs_2O_4.La_2(SO_4)_3.8H_2O$. 349285
Crystal structure of holmium periodate – $HoIO_3.4H_2O$. 349289
Safaev, A.S.
Investigation into surface properties of aluminium-chromium-molybdenum catalysts. 378289
On thermodesorption of hydrogen from aluminium-chromium-molybdenum catalysts. 378288
Saffert, J.
On sawtooth oscillations and MHD modes in the W VII A stellarator. (INIS-mf – 3963) 371780
Saffioti, W.
Treatment of the new uranium mineralization at Campo Agostinho

(Pocos de Caldas, Minas Gerais, Brazil). 351947
Saffman, P.G.
Dependence of effective slip on wall roughness in dilute polymer solutions. 350776
Safin, I.A.
Nuclear quadrupole resonance of ^{93}Nb in Nb_3Al and Nb_3Ga. 374748
Safin, M.Ya.
Deuteron disintegration by neutrino (antineutrino) and weak neutral currents. 377902
Neutral currents in the antineutrino disintegration of a deuteron. 351172
Spin correlations in neutrino (antineutrino)-electron scattering taking account of (S,T,P) interactions of neutral and charged currents. 375033
Safin, V.I.
The excitation of the discrete states of the heavy inert atoms by electrons in the Glauber model. 353310
Safin, Yu.A.
Nuclear data for the calculation of neutron-induced secondary gamma-ray spectrum in soil. (INIS-mf – 4043) 362565
Safko, J.L.
"superposition" of static, cylindrically symmetric solutions of the Einstein-Maxwell field. 371429
Safonov, G.
Nuclear waste steam plant concept. 363641
Safonov, I.I.
Radiochemical investigation of coprecipitation of some hydrolyzable elements microquantities with hydroxides and oxides of metals. 357111, 364907, 364908
Safonov, M.P.
Sorting theory of charged particles in quadrupole mass spectrometers. 350374
Safonov, P.G.
Automation facility a time-of-flight mass spectrometer for the study on dynamics of fast chemical reactions. 363618
Safonov, V.I.
Liquation of gases in the process of high chromium steel ingots crystallization and their distribution in the final products. 357239
Safonov, V.L.
Investigation into hydrogen diffusion in the armco-iron in the 0-300 deg C temperature range and influence of extensive stresses. 370042
Safonov, V.P.
On the possibility of registration of Dirac monopole by nonlinear effects in the emission of interstellar masers. 353707
Safonov, Yu.N.
Kinetics of accumulation of ClO_3 radicals in irradiated chlorates of sodium and potassium. 375715
Mechanism of formation and decay of ClO_3 radicals in irradiated $KClO_3$. 375713
Secondary reactions of products of low-temperature radiolysis of sodium and potassium chlorates. 375714
Safrata, S.
Low-temperature physics and technology in JINR. 366791
Methods of obtaining very low temperatures. 349051
Safronov, A.I.
Some problems of disperse medium use in heat exchangers. (INIS-mf – 3952) 367912
Safronov, E.K.
Study of thermal stability of hafnium tetraiodide. (INIS-mf – 4187) 375440
Safronov, L.N.
Radiative recombination in silicon on complexes containing hydrogen. 350762
Safronova, U.I.
The analysis of satellites to the H-like ion resonance lines observed in the X-ray region. 356193
The radiative decay of excited states of atomic systems with two K-shell vacancies. 358815, 377110
Relativistic calculations of atom excitation cross sections by electrons. 353261
Study on electron-atom scattering by the method of relativistic perturbation theory. (INIS-mf – 3915) 348682
Saftner, R.A.
Binding of $^{45}Ca^{2+}$ to particulate fractions of coleoptile tissue. 354905
Sagajdak, R.N.
Synthesis of heavy isotopes of Ku in bombardment of Cm by 0 ions. 349134
Sagalevich, V.M.
On welding strains in a large-sized ring of austenite steel. 375790
Sagalovich, V.P.
Synthesis of aryl diazonium molybdoiodates. 357060
Sagan, C.
Reducing greenhouses and the temperature history of Earth and Mars. 349025
Voyager imaging experiment. 374966
Sagan, L.A.
Plutonium: some political and social considerations. 361212
Sagara, Kenshi
$^4He(d, p\alpha)n$ reaction at Esub(d) = 8.9 MeV. 354254
Sagaradze, V.V.
Effect of austenite stability on mechanical properties of alloys strengthened by thermo-mechanical treatment and aging. 373280
Surface hardening of austenite steels. 378719
Sagatys, D.S.
Vinyl ether hydrolysis. IX. Isotope effects on proton transfer from the hydronium ion. 378320
Sagawa, Norihiko
Description of aerosol release associated with sodium burning. 372968
Sagawa, Sueko
The influence of increased hepatic sequestration after splenectomy on the survival and osmotic fragility of red cells in rats, with reference to protein levels in diets. 373764
Sagdeev, R.Z.
Relaxation of high-current electron beams and modulation instability. 368945
Sager, P.
Engineering features of an upgradable ignition test reactor. (GA-A – 14633) 372008
Remote maintenance system requirements for the ignition test reactor. (GA-A – 14474) 371881
Sager, W.D.
Optimized cross-section determination for treatment planning in radiation therapy. 357878
Relative uptake of sup(99m)Tc-diphosphate and temporal changes of uptake in bone diseases. 352172
Saghai, B.
$^{12}C(\pi^-,p)^{11}Be$ reaction induced by pions at rest. (LYCEN – 7702(pt.1)) 369473
Pion-deuterium interaction at low energy. (LYCEN – 7702(pt.1)) 369507
Sagitov, S.I.
Some optical properties of mono- and polycrystals of molybdenum and tungsten in ultraviolet spectrum range. 357324
Saglio, R.
In-service inspection of the vessels of nuclear submarine reactors. (CEA-CONF – 3933) 355311
Utilization of focalised transducers to improve the control of mixed joint welds of ferritic and austenitic steels. (IWGFR – 10) 363402
Sagues, A.A.
Helium embrittlement in austenitic steel. (AED-Conf – 77-031-003) 349600
Sah, D.N.
Fabrication and post-irradiation examination of a zircaloy-2 clad UO_2-1.5 wt% PuO_2 fuel pin irradiated in PWL, CIRUS. (BARC – 918) 374178
Saha, A.
The $^{40}Ca(\alpha,d)^{42}Sc$ reaction. 372797
Four-particle one-hole states in ^{43}Ca strongly populated by the $^{41}K(\alpha,d)$ reaction. 372798
Saha, A.K.
F-layer effects caused by the Chinese nuclear explosion of 14 October 1970. 373473
Saha, H.
A microwave study of heat treatment effects in ceramic CdS pellets. 375577
Saha, H.K.
Studies on the reactions of oxohalomolybdates(V). 351556
Saha, P.
Non-equilibrium aspects of water reactor safety. (BNL-NUREG – 23143) 370576
Saha, S.K.
High-spin level structure of ^{188}Pt. (ZfK – 336) 364758
Saha, Samir
Photodissociation of HD^+ by electronic and vibrational excitations. 374606
Saha, T.N.
Transient characteristics of RAPS turbo-alternators. 355445
Sahagia, M.
Applying gamma-ray spectrometry in quantitative analysis of radioisotope activities. 364877
Use of the $4\pi\beta$-γ coincidence method for absolute standardization of radioactive sources. 379941
Sahal-Brechot, S.
Stark broadening of singly ionized silicon. 364220
Saherov, S.Kh.
The NEXT module system for the M-220 computer. (FEI – 562) 350449
Sahin, S.
Scope and assignments of a consultant in the selection and construction of a nuclear power plant. Application to a project in Turkey. 371328
Transfer of nuclear technology from the viewpoint of a governmental electric utility. 352567
Sahlin, H.
The plasma focus as a large fluence neutron source. 353659
Sahlin, H.L.
Fusion by grand catastrophe. (UCRL – 79758) 350934, 372009
Operation of a plasma-focus device with D_2 and He^3. 350860
Sahni, D.C.
Neutron transport problems in spherical geometry. 361914
Reactivity requirements and safety systems for heavy water reactors. 371000
Sahni, V.C.
OPW calculation of the compton profile of beryllium. 366397
Sahoo, K.C.
Fabrication and post-irradiation examination of a zircaloy-2 clad UO_2-1.5 wt% PuO_2 fuel pin irradiated in PWL, CIRUS. (BARC – 918) 374178
Sahota, H.S.
Accurate determination of penetration coefficient lambda and mixing ratio delta² for the 36.23 keV transition in ^{187}Re. 349149
Sai, Fuminori
A simple scanning machine for bubble chamber pictures. 350331

Said, F.F.
Direct electrochemical synthesis of neutral and anionic chloro- and bromo-complexes of titanium, zirconium and hafnium. 362183
Saidkhanov, N.Sh.
Coherent diffractive dissociation of 20.8 GeV/c protons into the $p\pi^+\pi^-$ system. 369348
Saidl, J.
Lab-scale and pilot-plant experiments on the solidification of high-level wastes at the Karlsruhe Nuclear Research Centre. 358483
Method to avoid disturbances in the solidification of radioactive liquid wastes. (German (F.R.) patent document 2553569/A/) 355642
Saidmuradov, T.
Formula for calculating the intensity distribution of γ-rays during the activation analysis of samples using ampul neutron sources. 357874
Saidmuratov, T.S.
Application of neutron low energy sources for activation analysis for molybdenum and tungsten in sewage. 356955
Saidoh, M.
Surface erosions by energetic helium and hydrogen bombardment of molybdenum and pyrolytic graphite. 368993
Saidoh, Masahiro
Surface roughness effects on blister formation in polycrystalline molybdenum. (JAERI-M – 7182) 366461
Saifi, M.A.
Test method and equipment for welded seams. (German (F.R.) patent document 2636857/A/) 360753
Saiho, Y.
Collapsing load for elbows under in-plane bending moment. 350103
Saijo, Takeji
Cask for receiving control rod drives. 368071
Saijo, Y.
Measurement of hydrogen exchange at the tryptophan residues of a protein by stopped-flow and ultraviolet spectroscopy. 378351
Saika, A.
Electric dipole polarizability of the hydrogen molecule by many-body perturbation theory. 371496
Saiki, M.
Determination of the stability constants for the complexes of rare-earth elements and tetracycline. (IEA – 469) 351557
Saiki, Masamichi
Temperature effect on the concentration of radionuclides by marine organisms. 349790
Saile, V.
Rydberg series in the absorption spectrum of H_2O and D_2O in the vacuum ultraviolet. (DESY-SR – 77/09) 374618
Sailer, J.
Experimental investigations on the immunity development in irradiated mice after local and parenteral immunization with tetanus-toxoid. 354767
Sain, A.K.
Visualization of a bullet track on brain imaging. Case report. 360384
Saini, H.S.
Analyses of fission track etching and annealing phenomena in muscovite. 367387
Saini, R.D.
Flash photolytic investigations on the reaction of transient Cl_2^- with U(IV) in aqueous 0.5N HCl solution. 357084
Saini, S.
Nuclear structure calculations in vanadium isotopes. (INIS-mf – 4138) 372660, 375135
Saini, S.S.
Pau mutant Basmati 370 – a semi-dwarf high yielding and high quality rice variety. 367648
St-Jacques, R.G.
Doubly peaked helium depth profiles in copper and blistering. 362550
Saint-Jean, P.
A specialised image analysing instrument for caryotype automatisation. 355618
St John, C.
NaCl-induced accelerated oxidation of a titanium alloy. 357186
St John, C.M.
Surface displacements and pillar stresses associated with nuclear waste disposal in salt. (Y/OWI – 7118/P1) 358518
St John, D.H.
Peritectic transformation. 362460
St Laurent, D.R.
Geo-engineering review and proposed program outline for the structural design of a radioactive waste repository in Columbia Plateau basalts. (RHO-ST – 6) 380029
Saint-Laurent, F.
Researches with the tandem and the synchrotron. Chapter 1. (CEA-N – 1959) 354169
St Leger-Barter, G.
Six-frame picosecond radiation camera based on hydrated electron photoabsorption phenomena. (UCRL – 76191) 352831
Saint-Michel, J.
Anomalous microwave-induced voltages across Josephson junctions. 374014
St Onge, R.N.
Energy spectrum and flux of fast neutrons in the atmosphere. 360212
Saint-Paul, P.
Carbon transfer between 2 1/4 Cr 1 Mo alloy and austenitic steels (experiments in anisothermal loops). (CONF-760503 – P2) 352718
Saint Simon, M. de
On-line mass spectometry of nuclear reactions induced by heavy ions. (CSNSM-T – 77-01) 372809
Saint-Yves, F.
Simulation of some results of radiation-enhanced diffusion. 354623
Saintignon, P. de
The giant resonance region of ^{90}Zr via elastic scattering of 57.5MeV polarized protons. (ISN – 77-28) 359514
Giant resonances as doorways states in ^{12}C. (ISN – 77-43) 369476
Saitcevsky, B.
Programme and status of the development of the fast breeder reactor system in France. 365993
Saito, Akira
Epidemiological inference on induction of aplastic anemia following radiotherapy. 360285
Saito, H.
Annealing of germanium crystals irradiated at about 6 K. 370157
An approximate theory of steady-state and dynamic characteristics of alpha-particle-heated DT-fusion reactors. 348959
Plasma thromboplastin antecedent (PTA, factor XI): a specific and sensitive radioimmunoassay. 362789
Secondary ion mass spectrometry of deuterium in Ti, Zr, V, Nb, and Ta. 369572
Saito, Hajime
Crystallization of beryllium metaphosphate glass. 354314
Saito, Hiroshi
Iron absorption studies using a ring-type whole body counter. 370501
Saito, Isao
Characteristics of YAYOI pulse operation by reactivity insertion with R-pulser. 361012
Saito, Juhei
Studies of quenching on liquid scintillation counter. 355581
Saito, K.
Sector experiment of theta-pinch plasma in modified bumpy torus. (INIS-mf – 3963) 371977
A study of the background corona near solar minimum. 372257
X-ray diffraction of modulated structures. 362471
Saito, Minoru
On the numerical expression of the degree of rock weathering. 367388
Saito, N.
Accelerating and focusing structures for PIGMI. (LA-UR – 77-1545) 363354
Saito, S.
Hyperfine structure in the A tilde state of PH_2 arising from the Fermi interaction of ^{31}P. 376997
Sample analysis apparatus using electron beam irradiation. (US patent document 4,020,353/A/) 378159
Saito, Sakae
A microscopic study of elastic scattering of αparticles on ^7Li nuclei. 359438
Saito, Shinzo
Evaluation of effects of finite mixing time and non-condensable gas on fuel sodium interactions. 360994
Measurement and evaluation on pulsing characteristics and experimental capability of NSRR. 355483
Study of a UO_2 critical mass by calculation with a transport code XSDRN. (JAERI-M – 7085) 354996
Saito, Shozo
Fuel assembly. 368122
Support tube of in-core instruments. 350145
Saito, Susumu
Method of separating uranium isotopes. 349931, 360562
Separation method of uranium isotopes. 360563
Saito, T.
Human c-peptide immunoreactivity (CPR) in blood and urine – evaluation of a radioimmunoassay method and its clinical applications. 352163
Safety evaluation of the Monju steam generator. (CONF-761001 – P2) 362951
T/sub >/giant resonance in ^{142}Nd via the reaction $^{142}Nd(e,e'p)$. 364822
Saito, Takamoto
Heat transfer model of quenching in reflooding phase. 368105
Saito, Takao
The hissa (high-speed spectrum analysis) method to analyze various time-varying phenomena in space physics. 349026
Saito, Takashi
Construction for supporting a neutron detector tube. 350183
Saito, Takeshi
Control rod for a fast breeder. 379592
Saito, Takesi
Unity of weak, electromagnetic and strong interactions in superconductivity model. 353900
Saito, Y.
Systematics of low-lying octupole states in the doubly-even nuclei from Ge to Sr. 378034
Saito, Yasutoshi
Thermal decomposition of gadolinium(III) carbonate. 359626
Thermal decomposition of gadolinium(III) oxalate. 359625
Saitoh, K.
Velocity measurement of fast ions by Doppler shift of light emitted from ions passed through thin foil. 368667
Saitou, N.
Field emission current instability induced by migrating atoms on W(310)surface. 373284
Saitov, I.S.
Asymptotic behaviour of associative values in π^-p interactions. (JINR-R – 1-10643) 375074
On the two-nucleon enhancement associated with high momentum tail of the spectator in the deuteron break up. (JINR-D – 1,2-

9342) 356479
Saitovitch, E.B.
Irradiation effects in orthopiroxenes related to contents of Fe^{3+}. 364114
Moessbauer spectroscopy in some irradiated laminar silicates. 350724
Moessbauer spectroscopy of meteorites fallen in Brazil. 363949
Moessbauer spectroscopy studied of tris (2-pyridinalimine) and tris (2-pyridilketoimine)-iron(II) complexes. (CBPF – A0033/77) 364105
Moessbauer spectroscopy study of the temperature and irradiation effects in tourmaline. 364112
Study by Moessbauer spectroscopy of the irradiation and temperature effects in the staurolite. 364113
Study of the f-factor by Moessbauer spectroscopy of diimines complex of Fe(II). 364124
Saitovitch, H.
The effect of high pressure on the nuclear quadrupole interaction at tantalum in 1T-TaS_2 and 2H-TaS_2. 377171
The magnetic moments and halflives of the $5/2^-$ states in ^{199}Hg and ^{197}Hg and the discrepancies in the experimental hyperfine fields at Hg in Fe. 356812
Saitsev, B.E.
Effect of ultrasonic treatment on high tensile nickel base alloys properties. (INIS-mf – 3914) 349401
Saitta, B.
K°sub(L)p interactions in the c.m. energy range 1.54-1.71 GeV. 372508
A study of the Dalitz plot in the decay K°sub(L)→π⁺π⁻π⁰. 353988
Total cross sections for charged-current neutrino and antineutrino interactions in BEBC in the energy range 20-200 GeV. 353945
Saiz, C.
Studies on soil humic compounds, fungal melanins and model polymers by pyrolysis mass-spectrometry. 356945
Saji, Hideo
Evaluation of sup(99m)Tc-HIDA complex as a cholescintigraphic agent. 379199
Sajjad, M.
The identification and analysis of the products of the Cr(II)-Cr(III) reaction in the presence of trimetaphosphate using radiochemical techniques. 349162
Sajkin, K.S.
Nuclear quadrupole resonance of ^{93}Nb in Nb_3Al and Nb_3Ga. 374748
Sajo Bohus, L.
An exciton model approach to the analysis of α-particle-induced nuclear reactions. 362062
Sajot, G.
Observation of jet structure in high psub(T) events at the ISR and the importance of parton transverse momentum. 353956
Sajtkulov, I.G.
Anit-Stokes luminescence of Er^{3+} ion in the fluorite crystals with Gd^{3+} addition. (INIS-mf – 3955) 377262
Saka, Hiroyasu
The behaviour of dislocations inside the dislocation channels in neutron-irradiated Ni. 358891
Sakaev, R.A.
Excitation of giant resonances in radiative pion capture on 1p shell nuclei. (ZfK – 336) 364681
Excitation of magnetic dipole states in 1p-chell nuclei in radiative pion capture. (JINR-E – 2-10509) 351275
Towards a better understanding of ^{16}O nuclear structure: muon capture and radiative pion capture reactions. 361974
Sakagami, Masaharu
Local power region monitor in a boiling water reactor. 350184
Sakagami, Yukio
Optical measurement of laser-driven imploding shock wave. 358911
Sakaguchi, H.
Isobaric analog resonances in the ^{82}Se + p system investigated by (p,p'γ) angular correlations and low-lying states in ^{83}Se. 354271
Sakai, Fumiaki
X-rays fluorescence analysis of ATR fuel cladding tube. (PNCT – 831-76-01) 378132
Sakai, H.
Moessbauer effect of ^{129}I in mercury(I)iodide. 356051
Sakai, Hiroko
Coprecipitation of lead with cadmium 8-hydroxyquinolate from homogeneous solution. 373001
Sakai, K.
Probabilistic evaluation of core-internal coolant flow distribution with correlation among fuel subassemblies. 355474
Sakai, Kazuo
Effects on nuclear fusion reaction on diffusion and thermal conduction in a magnetoplasma. (IPPJ – 269) 353624
Sakai, Kenji
Spin density wave in many nucleon system. 354089
Sakai, Kunio
Epidemiological inference on induction of aplastic anemia following radiotherapy. 360285
A radiation-induced pharyngeal cancer. 349767
Sakai, M.
Study of the side band in ^{188}Pt. 369498
Sakai, N.
Nonleptonic decays of kaons in the 1/Nsub(c) expansion. 369280
On the Regge-cut cancellation in planar amplitudes of the dual unitarisation scheme. 353861
Sakai, Nobuyuki
Counting rate of spherical ion exchange resin containing ^{32}P homogeneously. 349939
Sakai, Sunao
Shrinking photon and geometrical duality in the reaction γsub(v)P→π°P. 359281
Sakai, T.
Studies on some physical properties of the solid solutions, Ln/sub 1-x/Sr/sub x/VO/sub 3-0.1x/. 360028
Sakai, Toyohiko
Aluminum-stabilized multiplex superconductor and magnet. 358988
Study of superconducting switch using semiconductor stabilizer. 358989
Sakai, Y.
Application of finite element dynamic analysis to fracture mechanics. (INIS-mf – 3847) 358050
Sakaino, Kohji
Practical use and characteristics of thermoluminescence dosimeters as a personal monitor. 360536
Sakairi, H.
Defect structures of slightly reduced semiconducting rutile as observed by the channelling method. 370246
Sakairi, Takehiko
Operating experience of Hamaoka Nuclear Power Station. 368129
Sakairi, Toshiaki
Coolant treatment system. 379641
Sakaki, T.
New techniques for the treatment of laundry and other low-level liquid wastes. 358496
Sakakibara, S.
Are SLAC (με)-events decay products of integer charge quarks. 361840
Sakakibara, Y.
Trace element abundances in stone artifacts and related materials from Japan by neutron activation analysis. 372912
Sakamaki, Tadashi
Appearance of newly formed mRNA and rRNA as ribonucleoprotein-particles in the cytoplasmic subribosomal fraction of pea embryos. 349879
Sakami, Hiroshi
Effects of gamma-ray irradiation on tensile properties of ultradrawn polyethylene. 360095
Sakamoto, Isao
Diffraction of moessbauer gamma rays in single crystal magnetite. 371610
Sakamoto, Kazuo
Sinterability and characterization of some UO_2 and PuO_2 powders. (PNCT – 831-76-01) 379784
Sakamoto, Koshiro
Reversible hardening induced by electron-beam irradiation in CdS single crystals. 358888
Sakamoto, N.
Systematics of low-lying octupole states in the doubly-even nuclei from Ge to Sr. 378034
Sakamoto, T.
Separation of uranium isotopes by accelerated isotope exchange reactions. (US patent document 4,049,769/A/) 373912
Sakamoto, Tomio
Pre-treatment method of filling layer. 367851
Stabilized process of separating isotopes. 367850
Sakamoto, Yuichi
Experimental study of excitation of low frequency plasma waves by amplitude-modulated microwave. 372010
Sakamura, Yasuhisa
Support of neutron flux detectors in a reactor. 350185
Sakanaka, P.H.
Extremity sealing of a theta pinch by magnetic cusp. 364245
Sakano, Kosuke
Availability analysis of commercial fast breeder reactor's steam generator system. 368215
Sakanoue, M.
Studies on radioecological concentration processes in the aquatic environments -Uptake and retention of Am-241 by fish-. 370425
Sakashita, S.
Critical accretion flow of gas onto compact stars. 372230
Sakata, Fumihiko
A new method for microscopic description of the so-called 'many-phonon' states in spherical even-even nuclei, 1. 354073
Sakata, Kaoru
Two-dimensional shielding benchmarks for sodium and iron at YAYOI. (UTNL-R – 0042) 366909
Sakata, Kazunori
Fundamental considerations on plasma sprayed ceramic coating, (1). 360015
Sakata, M.
A neutron diffraction study of the wavelength dependence of extinction in UO_2. 373325
Sakata, Michinori
Central structure of air showers and large Psub(T). 349685
Multi-cored air showers observed by a combination array of spark chambers and scintillation counters. 355568
Sakata, S.
Development of radioactive waste management at the Japan Atomic Energy Research Institute. 368377
Developments and studies for marine disposal of radioactive wastes. 358527
Sakata, Taro
Sodium-water reaction product container for liquid metal cooled fast breeders. 350270
Sakaue, T.
Recent progress in KEK preinjector. 363231
Sakhanov, A.S.
Detection unit of two-channel flaw detector. (Soviet patent

document 428326 A) 370697
Sakharov, A.S.
On stationary Langmuir spectra in an inhomogeneous plasma. 356129
Sakharov, A.V.
About notch effect on the environment sensitivity of high-tensile steels. 375733
Sakharov, B.A.
Study of Y_2O_3-SiO_2-SiO_2-Al_2O_3 system. 357061
Sakharov, Eh.V.
Radioactive tracer study of process of treating colloidal capillary-porous materials with vapor. 367895
Sakharov, V.I.
Determination of tritium accumulation in lithium during irradiation with neutrons from a californium source by a scintillation method. (INIS-mf – 3954) 361532
Nuclear transformations in vanadium, molibdenium and niobium base alloys used as structural materials in thermonuclear reactor blankets. (INIS-mf – 3954) 361439
Sakharov, V.V.
Chemical interaction in composite materials with magnesium and ML-8 alloy base reinforced with boron fibers. 365187
Method for preparation of nitrate and chloride solutions of zirconium. (Soviet patent document 460245/A/) 375405
On the interaction of thorium hydroxide with alkaline earth metals- and magnesium hydroxides solutions. 357114
Sakharova, S.G.
Positron annihilation in nickel powders. 374694
Study on the nature of magnetic transformation in FeRh alloys by positron annihilation technique. 363992
Sakhibullin, N.A.
On the expanding envelopes of the stars rho Leo and chi Ori. 369193
Sakisaka, Masakatsu
An electron energy spectrometer of double-stage retarding field type, 2. 371494
Sakitani, Y.
Sample analysis apparatus using electron beam irradiation. (US patent document 4,020,353/A/) 378159
Sakka, S.
Electrical conductivity of mixed-cation $Ag_2O – Tl_2O – B_2O_3$ glasses. 357379
Sako, Ken
Inhibitory effect of Cystenosine on leukopenia by radiation. 360293
Sakovich, I.S.
Effect of doses and types of irradiation on mutation frequency in Chlorella; mutation maximum effect. 349721
Sakovich, V.N.
Nickel hardened with zirconium dioxide and yttrium oxide. 349518
Saks, N.S.
Effects of neutron irradiation on the characteristics of a buried channel CCD at 80°K and 295°K. (N – 77-14540) 374389
Saksaganskij, G.L.
Device for fast particles absorption. (Soviet patent document 430805 A/) 350086
Hydrogen permeability of steels and alloys for vacuum chambers of thermonuclear facilities. (INIS-mf – 3954) 362407
Saksaganskiy, G.L.
D-T high vacuum pumping in fusion reactors. 368918
Vacuum technical aspects of synchrotron multicharged ion acceleration. 370767
Saksela, E.
A simplified isotope release assay for cell-mediated cytotoxicity against anchorage dependent target cells. 354965
Saksonov, Yu.G.
Physicochemical investigations into compositions of the Y_2O_3-Lu_2O_3-Eu_2O_3-CaO-GeO_2-Fe_2O_3-PbO-B_2O_3. 369699
Physicochemical investigations into compositions of the Ysub(3-x)Bisub(x)Fesub(5-y)Gasub(y)O_{12}-PbO-B_2O_3-Bi_2O_3. 369698
Sakuda, Toshimi
Admixtures of shell and cluster states in ^{18}O. 349120
Sakuma, A.
Experience in constructing a spent nuclear fuel reprocessing plant in Japan. 367196
Sakuma, K.
Current density profile of noncircular tokamak. (INIS-mf – 3963) 372062
Sakumoto, Akihisa
Hydrogen isotope effect on the radical addition of the hydrogensulfite ion to allyl alcohol in aqueous solutions. 378535
Radiation-induced addition of sodium hydrogensulfite to olefins. (JAERI – 1251) 378543
The treatment of waste water containing PVA by ionizing radiation, (2). 349962
Sakun, V.P.
Investigation of the nature of radiationless decay relaxation in condensed media with a high concentration of activator. 348860
Sakurada, I.
Radiation-induced polymerization of styrene at high dose rates. 365079
Sakurada, Koichi
Reactor control rod. 368079
Sakuragi, Hirotaka
Calculation program for fast reactor design, 2. (JAERI-M – 6993) 350443
Sakurai, A.
Transient boiling heat transfer and burnout caused by rapid depressurization. 376532
Sakurai, J.J.
Almost unique determination of neutral-current couplings in neutrino-hadron interactions. 369292
Model for scaling violation. 359247
Properties of neutral currents. 353901
Sakurai, K.
Equatorial solar rotation and its relation to climatic changes. 351979
Proton inelastic scattering from ^{110}Cd and ^{112}Cd at isobaric analog resonances and analysis with the quasiparticle random-phase approximation. 354267
Study of magnetic shaping in a shell-less hybrid tokamak with octopole. (INIS-mf – 3963) 371974
Sakurai, Mikio
Support of neutron flux detectors in a reactor. 350185
Sakurai, Shinsuke
Development and installation of 500kV oil-filled cable. 368126
Sakurai, T.
A study of surface reproducibility and impurity segregation using ion neutralization and photoemission spectroscopies. 377280
Sakurai, Tomoyasu
Clinical experience of strong Posterisan ointment to acute or delayed rectitis due to radiotherapy of cancer of the uterine cervix. 367535
Inhibitory effect of Cystenosine on leukopenia by radiation. 360293
Sakvarelidze, I.I.
Study on the characteristics of the cascade showers produced by muons in iron in the energy range from 0.3 to 3 TeV. 361656
Sal'kov, E.A.
Interimpurity hole transitions in cadmium sulphide. 349214
Study of emission recombination near the absorption edge in CdS:In, Cd and CdS:Cd films. 365009
Sal'nikov, N.L.
Optimization of critical assembly composition. (INIS-mf – 4043) 363492
Sal'nikov, O.A.
Analysis of inelastic scattered neutron spectra. (INIS-mf – 3897) 356623
Analysis of spectra of inelastic scattered neutrons with initial energy of 9,1 MeV in framework of the exciton model. (INIS-mf – 3897) 356573
Angular and energy distributions of inelastic scattered neutrons with initial energy of 9.1 MeV. (INIS-mf – 3897) 356712
Inelastic scattering of neutrons with initial energy of 9.1 MeV and the parameter of spin dependence. (INIS-mf – 3897) 356574
Measurement of prompt neutron spectrum in spontaneous fission of ^{252}Cf. (INIS-mf – 3896) 356810
Nanosecond ion pulse production at the FEI EGP-10M charge-exchange electrostatic accelerator. (FEI – 680) 376365
Neutron detector with gamma-ray compensation for measurements with the time-of-flight method. (FEI – 577) 376607
Neutron spectra of ^{252}Cf spontaneous fission in the energy range from 0,5 to 7 MeV. (FEI – 575) 349143
Sala, G.
Observation of the reactions $\pi^-p \rightarrow$anti pd at 10 and 16 GeV/c. 372520
Sala, O.
Fusion of $^{27}Al + {}^{16}O$ and $^{12}C + {}^{16}O$. 364984
Levels in ^{123}I and ^{125}I from (^3He,d) reactions. (IFUSP-P – 109) 363932
Scattering chamber for the measurement of heavy ions time-of-flight. 364555
Semimicroscopic description of the odd iodine nuclei in the mass region 123 < or = A < or = 133. 351314, 363931
Study of one-proton transfer reactions in tellurium isotopes. 354272
Salabe, G.
Radioimmunoassay to determine the thyroglobulin-binding capacity of human serum antibodies. (German (F.R.) patent document 2501819/B/) 352173
Salabe, H.
Radioimmunoassay to determine the thyroglobulin-binding capacity of human serum antibodies. (German (F.R.) patent document 2501819/B/) 352173
Salabert, T.
CEA-radioimmunoassay in different neoplastic conditions. (INIS-mf – 4010) 370499
Saladin, J.X.
A negative ion sputter source for operation in a Van de Graaff terminal. 367955
Reorientation measurements on tungsten isotopes. 366999
Salaev, Eh.Yu.
GaTe vibrational spectra. 355948
Study on electron traps in $CdInGaS_4$ monocrystals. 371546
Salah, J.E.
The seasonal variation of the diurnal thermospheric winds over Millstone Hill during solar cycle maximum. 354722
Salahub, D.R.
The interaction of atomic hydrogen with Ni, Pd and Pt clusters. 356017
Salai, Sh.
KORAN spectrometer on the IBR-30 reactor. (JINR – 14-9486) 355530
VT-340 display with TPA-i computer. (JINR – 10-9644) 368351
Salak, M.A.
Use of the sigma-model for describing neutron-proton recharge. 364523
Salakhitdinov, A.N.
Samarkand complex facility for study on extensive air showers at the energy > $2x10^{14}$ eV. 363581
Salakhov, Eh.A.
Cathode polarization during electrodeposition of rhenium-tellurium

alloys. 375400
Salam, A.
Are SLAC (μe)-events decay products of integer charge quarks. 361840
A class of solutions for the strong gravity equations. (IC – 76-125) 361847
Dilepton production in pp and anti pp collisions as a probe to the nature of the neutral current interaction. 372460
Natural left-right symmetry, atomic parity experiments and asymmetries in high energy e^+e^- collisions in PETRA and PEP regions. 361839
Salamantin, I.M.
Measurement of the $^{235}U(n,\gamma f)$ process using characteristic X radiation. 354178
Salamatin, B.A.
Saturated vapor pressure of alkoxy-compounds of niobium and tantalum. 351509
Salamatin, I.M.
Software structure for the IBR-2 measuring module. (JINR – 10-9060) 366212
Salamatina, T.S.
Angular correlation method for measurement of characteristics of heavy ion reaction products. (JINR-R – 7-10671) 376669
Salamov, D.I.
1^+ collective states of ^{124}Cs and ^{126}Cs nuclei. 375115
Salamov, Dzh. I.
Strength functions of βsup(+) decay of $^{117-123}Ba$ isotopes. 349112
Salander, C.
The concept of the German electric power industry for the management of waste from nuclear power plants. (AED-Conf – 77-470-001) 365112
West Germany gears up for licensing process. 376769
Salangin, V.G.
Effect of ceramic flux welding conditions on the alloying addition content in slag. 369879
Salanskij, N.M.
The effect of visible radiation and an electric field on ferromagnetic resonance and photoconductivity in $CdCr_2Se_4$. 364106
Salas, N.I.
Gelation of small diameter, thoria sol microspheres in non-flowing alcohols. (ORNL-MIT – 95) 378490
Salat, A.
Feedback stabilization of axisymmetric MHD instabilities in tokamaks. (INIS-mf – 3963) 371997
Salati, E.
Water isotopic fractioning (^{18}O and D) of the Santo Antonio de Russas artificial lake during the evaporation. 365313
Salatskaya, M.I.
Application of the photoemulsion method for personal monitoring of neutron dose exposure. 379345
Present state of the photoemulsion method for individual neutron dose control. (INIS-mf – 3846) 350308
Some parameters of a personal film dosemeter based on the type K emulsion. 379885
Study on some albedo characteristics of personnel dosimeter based on the K-type emulsion on irradiation by thermal and intermediate neutrons. (JINR-R – 16-9749) 363567
Salatskij, V.I.
Strength functions of primary soft gamma transitions near the neutron binding energy. (INIS-mf – 3897) 354275
Salekh, Z.
Angular distributions of gamma rays from decay of ^{63}Cu analogs. 375186
Gamma decay of ^{59}Cu resonances. 375187
Salel, A.F.
Evaluation of myocardial uptake of /sup 99m/Tc pyrophosphate in clinical exercise-induced ventricular ischemia. 360368
Salem, S.
Inelastic scattering of ^3He and α particles from ^{124}Sn and $^{122\ 124}Te$. 356868
Salem, S.L.
A new methodology for the computer-aided construction of fault trees. 365814
Parametric safety analyses for reduced energetics in PLBR-sized cores. 355005
Salieva, O.G.
Kinetics of molybdenum melts interaction with oxygen. 349387
Saturation of the EhP310-steel with nitrogen during plasma-arc melting. 351790
Salik, J.
Time independent diffusion controlled reaction rate constants. 362256
Salikhbaev, U.S.
Double magnetic-lens beta spectrometer for lifetime measurements of nucleus excited states. (JINR-R – 13-9516) 355491
Salimgareeva, I.M.
Chemical reaction of cycloalkenes with silane derivatives. 359717
Salin, A.
Charge exchange in collisions of highly ionized ions and atoms. 358754
Effect of spin-orbit coupling on 2p/sub 1/2/-2p/sub 3/2/ rotational transitions in heavy-ion collisions. 358698
Electron capture from highly excited atoms by slow doubly charged ions. 353348
Influence of rotational coupling on electron capture in C^{+6}-H(1S) collisions. 358816
Quasimolecular bremsstrahlung in heavy-ion collisions. 350560
Salin, D.
Observation of quasi-particle distribution in non-equilibrium superconductors. 354226
Salin, R.
An electrostatic high-gradient accelerator for hydrogen cluster ions. 355200
Salinas, S.R.
One-dimensional model for KDP with aleatory 'impurities'. 353468
Salishchev, G.A.
Superplasticity of the alloy VT9. 365178
Salistra, G.I.
Interatomic dipole moment. 348960
Saliya, Z.E.
Ionization of rare gases in ion-atom collisions in the energy range 0,25-4 kev. (INIS-mf – 3915) 348696
Production of slow cations on ion-atom collisions of rare gases in the 0,25 – 4 KeV energy range. (INIS-mf – 3915) 348697
Sallach, R.A.
Large scale sodium interactions. Part 1. Test facility design. (SAND – 77-1073C) 367767
Large scale sodium interactions. Part 3. Chemical phenomena with limestone concrete. (SAND – 77-1095C) 367794
Large scale sodium test facility. (SAND – 77-1421C) 373834
Saller, H.
Spontaneous break-down of dilatation invariance and new fermion degrees of freedom. 368588
Salm, W.
Angular distributions of characteristic X-rays emitted in 21MeV Ne → Ar collisions. 358713
Salmanov, A.R.
Second phase inclusions in silicon doped with samarium. 362375
Silicon doped with zirconium. 362476
Salmanova, O.M.
Comparison of results of simultaneous observation of flare of solar cosmic rays in September 1971 on two satellites. 374961
Salmenkova, E.A.
Analysis of monomorphic markers of genes in populations as a method of the estimation of mutagenicity of the medium. 354734
Salmeron, M.
Molecular beam study of the $H_2 - D_2$ exchange reaction on stepped platinum crystal surfaces: Dependence on reactant angle of incidence. 368696
Salmin, Yu.P.
Neutron activation determination of microgram concentrations of arsenic and antimony in mineral raw materials. 367052
Neutron activation determination of tungsten in rocks and minerals. 375360
Salminen, P.
On the economy and optimization of nuclear heat power plants and their heat transport system. 376789
Salmistraro, F.
Effects of low-frequency gravitational waves upon orbital elements. 353710
Salmon, G.A.
The effect of base on the yield and spur-decay of esub(s)$^-$ in methanol. 359783
The effects of dose and base on the lifetime of esub(s)$^-$ in pulse irradiated methanol: the reaction of esub(s)$^-$ with hydroxymethyl radicals. 359784
Pulse radiolysis study of the reaction of solvated electrons with sulphur hexafluoride in methanolic solution. 367165
The yield and extinction coefficient of the solvated electron in methanol: pulse radiolysis of nitrobenzene and tetranitromethane solutions. 362264
Salmon, G.L.
A measurement of the polarization parameter in large angle proton-proton elastic scattering at 7.9 GeV/c. 356484
Salmon, P.R.
Radioimmunoassay of lactoferrin in pancreatic juice as a test for pancreatic diseases. 370470
Salmon, Y.
Parity dependence in heavy-ion scattering. 356566
Seniority four admixures in the low-lying 0^+ states of even-mass tin and lead nuclei. 354251
Salomaa, M.
In-flight mass separation of ^{205}Rn, ^{206}Rn and ^{207}Rn fusion recoils from the $^{197}Au(^{14}N, xn)$ reaction using an energy-mass spectrograph. 374386
Velocity selector for heavy-ion separation. 366034
Salomaa, R.R.E.
Parametric instabilities in laser heating of magnetically confined plasmas. 366576
Salomatov, V.N.
Luminescent properties of yttrium silicates activated by cerium at various forms of excitation. (INIS-mf – 3955) 377264
Salomon, D.
Moessbauer conversion electron studies of tantalum metal surface layers. 356052
Salomon, M.
New limit on the decay $\mu^+ \rightarrow e^+\gamma$. 372516
Pion charge exchange at rest. 359260
Salomov, Dzh.A.
Search for new short-lived particles in 70 GeV/c proton collisions with nuclei of photoemulsion. 369352
Saloner, D.A.
A semi-microscopic calculation of the potential in heavy ion collisions. 353349
Salop, A.
Charge-transfer and impact-ionization cross sections for fully and partially stripped positive ions colliding with atomic hydrogen. 350664

Influence of rotational coupling on electron capture in C^{6+}-H(1S) collisions. 358816
Salov, V.S.
Tellurium and gallium-tellurium difusion coatings of the Kh18N10T. (INIS-mf – 4046) 369858
Salpeter, E.E.
Dynamics and helium distribution in hydrogen-helium fluid planets. 372278
Intensity of interstellar Lyman alpha. 374901
Phase diagram and transport properties for hydrogen-helium fluid planets. 372277
Salsburg, B.
Study of SPEAR as dedicated source of synchrotron radiation. 363183
Salthouse, A.J.
High-P/sub transverse/^{2} p-p elastic scattering in pure initial spin states. 359343
Spin-spin interactions in high-transverse momentum elastic p-p scattering. 359344
Zero structure of two body hadron scattering amplitudes. 372479
Saltmarsh, M.J.
Characteristics of an intense neutron source based on the d + Be reaction. 355204
Sputtering of niobium by energetic neutrons and protons: A round-robin experiment. 350569
Saltsevich, V.B.
Application of gamma neutron logging for search of ore bodies buried under alluvium. 354655
Salukvadze, R.G.
Four-prong π^-p interactions with π^0 production. Pt. 2. Cross section determination by statistical method; study on characteristics of proton and neutron production. (JINR-R – 1-8793) 364460
Salvadori, P.
A new fast and programmable trigger logic. 371097
Salvat, M.
First results on the confinement of a laser-produced plasma in the W IIb stellarator. (INIS-mf – 3963) 371741
Salvatori, R.
Needs and direction of the non-utility sector in improving power plant reliability. 363451
Salvendy, G.
Effective operator selection for fossil fuel and nuclear power plants. (EPRI-SR – 28) 352985
Salvetti, F.
(γ,n) reactions in complex nuclei at intermediate energies. 354177
Analysis of intermediate-energy (γ,n) reactions in complex nuclei. (CBPF – A0026/77) 364671
Photodisintegration of light and medium-weight nuclei at intermediate energies. 4. (CBPF – A0027/77) 364678, 375168
Salvini, G.
On the optimization of e^+e^- rings in the 2x40-2x100 GeV range. Some future perspectives. (INFN-LNF – 77-13(R)) 370768
Salvo, H.
Ginzburg – Landau parameters for a vanadium single crystal having a resistivity ratio of 7.8. 373160
Salzborn, E.
Population of excited ionic states in charge transfer collisions. 358792
Scaling of cross sections for multiple electron transfer to highly charged ions colliding with atoms and molecules. 353315
A systematic study of multiple electron capture by highly charged ions in single ion-atom encounters. 358817
Salzer, K.
Classical calculation of magnetic susceptibility and magnetic shielding of the nuclei of diamagnetic molecules. 371529
Salzman, W.R.
Semiclassical calculations on one-, two-, three-, and four- photon absorption in truncated models of the hydrogen atom. 363918
Salzmann, C.
On the technique of selective double-isotope coronary scintigraphy with ^{99}sup(m)Tc- and ^{111}In-HSA-microspheres. 349810
Use of gradient scintigraphy in cardiology. (INIS-mf – 4010) 362830
Salzmann, M.
A new upper limit for the decay $\mu^+ \rightarrow e^+\gamma$. 369383
Samain, A.
Drift modes energized by trapped electrons in the case of large transverse azimuthal wave numbers. (EUR-CEA-FC – 910) 358971
Magnetic turbulence in Tokamaks. (EUR-CEA-FC – 908) 359008
Turbulence in Tokamaks. 359009
Samara, G.A.
High-pressure studies of soft mode transitions in solids. (SAND – 77-1188C) 351871
Samarskij, A.
Non-linear processes in a dense plasma. (IAEA – 200) 353625
Samatov, G.
Calculations of electron-nuclear cascade characteristics at E_0 approximately 10^{13} eV. 361665
Sambataro, S.
Experimental angular distributions of the ^{24}Mg(^{3}He, α)^{23}Mg at 10 MeV compared with DWBA and CCBA calculations. 354250
Sambell, R.H.
The photoneutron cross section of natural osmium. 372817
Samborski, D.J.
Mutants with improved disease resistance: Their recognition, identification and distinction from outcrosses. 373731
Sambrook, T.E.M.
Radiation sensitized chain reactions. Aqueous nitrous oxide and methanol. 378542
Samchuk, A.I.
Investigation of polarographic behaviour of N-furoilphenyl-hydroxylaminates in extracts. 349184
Samec, T.
Multipole fusion reactors using advanced fuels. (EPRI-ER – 536-SR) 371722
Samec, T.K.
Plasma confinement by surface magnetic fields. 361621
Samejima, Muneaki
Photosynthetic $^{14}CO_2$ fixation in the leaves of rice and some other species. 373765
Samezima, Kazuo
Intracellular dynamic state of tumor-philic radionuclides. 1. 379116
Samhoun, K.
Thermodynamic properties of 5f elements. 369738
Samigullin, B.A.
Temperature effects on measured current values for self-powered detectors. (NIIAR-P – 243) 350165
Samios, N.P.
Charm and strange particle production in neutrino interactions. 353950
Dilepton production by neutrinos in neon. 351210
Quasi-elastic neutrino scattering and the axial vector form factor. 353951
Samir Abu Ali
Enthalpy of formation of melts in the indium-tin-bismuth-lead system. 378385
Samitin, V.V.
Electroreduction of vanadium pentoxide in molten eutectics of lithium, – potassium- and rubidium chlorides. (INIS-mf – 4189) 375500
Samiullah, M.
An O(3,1) approach to Maxwell's equations. 369329
Samm, U.
Muonless π^0-production by muon-neutrinos and -antineutrinos. 353962
Sammartano, R.
Scintigraphic diagnosis of ischemic intestine with /sup 99m/Tc sulfur colloid-labeled leukocytes. 367613
Sammeck, K.H.
Nuclear process heat at high temperature: Application, realization and development programme. 379701
Samoilov, S.
Experimental proof for a quasi-one-dimensional band structure of V_3Si. 364107
Samoilow, O.B.
Nuclear reactor control group. (German (F.R.) patent document 2445370/A/) 350167
Nuclear reactor control rod. (German (F.R.) patent document 2449930/A/) 350169
Samojlenko, Yu.I.
On the stability of plasma column position control system. 348901
Samojlov, A.V.
The role of single and multiple scatterings during passing of muon beams in a medium with a focusing magnetic field. 364632
Samojlov, B.N.
Some problems for constructing of circulation superconducting magnetic systems. (IAE – 2397) 349991
Samojlov, E.G.
Polarization of aluminium cathode in cerium-containing melts. (INIS-mf – 4189) 375483
Samojlov, I.M.
Search for fractional-charged particles in sea water, ocean sediment deposits and volcano lava. 377815
Samojlov, L.N.
Herbicides effect on the nitrogen fertilizer assimilation by sensitive plants. 349817
Samojlov, S.M.
Radiothermoluminescence study of β- and γ-relaxation transitions in copolymers of ethylene with vinylsilanes and some other hetero-organic monomers. 354452
Samojlov, V.A.
Calculation of non-stationary operating conditions of extraction cascade. 357041
Samojlov, V.M.
Investigation of the muonium stage of μ^+ meson depolarization in germanium. 368824
Samojlov, V.N.
Primary principles of the ES-5012 magnetic storage device use in the SDS-1604A computer. (JINR – 11-9188) 352829
Real-time counter in the BESM-4 computer. (JINR – 10-9190) 366219
Samojlov, V.V.
Multiplicities and forward-backward correlations in anti pp interactions at 22.4 GeV/c. 366882
One-particle inclusive spectra of charged particles in the PP interactions at 22,4 GeV/C. (JINR-D – 1,2-9342) 356495
Single-particle inclusive spectra of charged particles in anti- pp-interactions at 22.4 GeV/c. (JINR-E – 1-9781) 377787
Samojlova, L.I.
The use of argon ions for production of nuclear filters. 374778
Samojlova, T.B.
Central peak in the spectrum of fluctuations of a ferroelectric mode and dielectric losses in $SrTiO_3$ at 4.2 K. 374787
Samojlovich, M.I.
Gamma- and thermoluminescence spectra of artificial diamonds doped by impurities. 349309
Radioactive effects in quartz. 371695

Samokhin, A.P.
Does u-channel in t-plane influence on behaviour of forward scattering differential cross sections at high energies forward scattering differential cross sections at high energies. (IFVE-OTF – 76-20) 349068
Effect of pecularities of an amplitude on the behaviour of the scattering differential cross section. 372477
Samokhin, G.A.
Compatibility of molten rare earth metals with refractory materials. 357259
Samokhvalov, A.A.
Effect of a strong electric field on SHF absorption in Cdsub(1-x)Agsub(x)Crsub(2)Sesub(4) ferromagnetic semiconductor. 348846
Electric conductivity of the bivalent europium oxides in the strong electric U.H.F. fields. 353442
Ferromagnetic resonance and dielectric losses in EuO. 361474
Samokhvalov, A.N.
High-temperature ultrasonic installation for determining the characteristics of materials elasticity and thermal diffusivity. 357247
Samokhvalova, N.S.
Time dependence of the yield of chromosome mutations and free radicals in γ-irradiated dry seeds. 370333
Samonov, A.M.
Instrumental neutron-activation analysis of standard samples of rocks and soils. (INIS-mf – 3994) 378134
Samorukov, O.P.
Thermodynamic properties of beryllium hydrooxide. 375489
Samorukova, N.Kh.
Thermodynamic properties of beryllium hydrooxide. 375489
Samosyuk, V.N.
The use of the microtron for the activation analysis of pure metals and alloys. 356975
Using a 30 MeV microtron for purposes of the radioactivation analysis. 363301
Samour, C.
Average polarization of ^{12}B in $^{12}C(\mu,\gamma)^{12}B$(g.s.) reaction: helicity of the π-decay muon and nature of the weak coupling. 356519
Exchange corrections for partial capture rates of muons in nuclei. (LYCEN – 7702(pt.1)) 369479
Muon capture in ^{16}O. (LYCEN – 7702(pt.1)) 369478
Sampaio, F.
Study of the reaction ^{91}Zr (d,p)^{92}Zr. 354159
Sampaio, F.C.
Excited states of ^{90}Zr detected in the reaction $^{91}Zr(d,t)^{90}Zr$. 354195
Sampaio, R.S.
Diffusive flux of energy in binary mixtures. (INIS-mf – 4117) 363834
Samplavskaya, K.K.
Study of temperature dependence of thermodynamic properties of aluminium, gallium and indium tellurites. 365013
Sample, H.H.
Instrumentation and methods for low temperature measurements in high magnetic fields. 357913
Sample, J.T.
Basic and applied research at the TRIUMF Meson factory. 364301
Sample, W.M.
Station modification during plant startup and operation. 358158
Sampson, D.H.
Electron impact excitation cross sections for complex ions. III. Highly charged ions with three valence electrons. 368689
Sampson, W.B.
ISABELLE quadrupoles. 363333
Operating experience with the HEUB superconducting dipoles. 363327
Superconducting magnetic quench protection for ISABELLE. 363328
Superconducting magnets for high energy storage rings. (BNL – 23142) 365756
Samsel, E.G.
Preparation and characterization of sintered glass-ceramics from calcined simulated high-level waste. 358502
Samsel, G.
Design, construction and operation of a Cf-252 facility with a capacity of 5mg. 360679
Samson, G.
Location and size of acute transmural myocardial infarction estimated from ^{201}Tl scintiscans. A clinicopathological study. 352134
Thallium-201 scintigraphy for myocardial imaging with emphasis on its use in the coronary care unit. 354958
Samson, Yu.U.
Investigation of electrode processes during electrorefining of hafnium. (INIS-mf – 4189) 375434
Preparation of highly pure vanadium by the electrorefining of wastes of industrial vanadium base alloys. (INIS-mf – 4189) 375412
Samsonov, B.V.
Pressure excursion in compacted UO_2 fuel elements at a reactor's first bringing into power. 379576
Samsonov, G.N.
Numerical simulation of a magnetic field in a standard quadrupole lenses. (NIIEFA-B – 0202) 363334
Samsonov, G.V.
Adsorption energy of Cs and K on the surface of refractory carbides. 349570
Adsorption factor effect on dispersive ability of polymethylmethylmethacrylate. 370085
Boride production methods. 367299
Boride structure and physico-chemical properties. 367298
Borides of the group 1 metals of the periodic system. 367300
Borides of the group 2 metals of the periodic system. 367301
Boron compounds with the odd subgroup elements. 367303
Connection of electron work function in 4-th group transition metal silicides with some of their physical properties. 354590
Electron energy spectrum and physical properties of NbCsub(x). 377281
Erosion of the 4-6- and 8 group transition metals under intense laser radiation. 349524
Investigation of behaviour of the hexanite-R during microcutting of titanium and steel. 349414
Laser radiation effect on the 4.-5. group transition metal nitrides. 357380
Laser-radiation treatment of heat resisting metals and their compounds. 362503
Physico-chemical nature of volumetric changes in solidification of molten substances. 365179
Strength and gas-abrasive wear-resistance of zirconium carbide based cerments. 375933
Structure and content of strengthened layer resulting from electric spark alloying of steel 45. 370043
Thermal expansion of the group 4 transition metal silicides. 378774
Thermoemission and adsorption properties of diborides of transition metals of IV-V groups in cesium vapours. 354554
Transition metal borides. 367302
Ultrasonic machining of transition metals. 367220
Samsonov, V.P.
Interrelation of the dislocation density and lattice parameters with the yield strength of heatproof steel 12Kh1MF after heat-mechanical treatment. 349525
Samsonowitz, V.
Inconceivable events in handling material in a heavy mechanical engineering industry. (FTL – A16-71E) 379557
Samuel, A.M.
Computers. A perspective on their usefulness in nuclear medicine. 355696
Samuel, D.
A study of lithium uptake and location in the brain using the nuclear track technique. 372845
Samuel, K.G.
Deformation dynamics in zircaloy 2 : a re-examination allowing for variations in activation entropy and mobile dislocation density. 367269
Samuel, K.M.
Experiences in the country-wide radiological protection surveys in India. 349913
Samuel, M.
Reorientation effect measurements in ^{122}Te and ^{128}Te. (WIS-PH – 77/48) 364741
Status report on Stanford's superconducting heavy ion linac project. 363347
Samuel, M.A.
A contribution to the eighth-order anomalous magnetic moment of the electron. (NBI-HE – 77-31) 361310
On the light-by-light contribution to the sixth-order muon anomaly. (NBI-HE – 77-32) 361289, 372450
Samuel, T.
10 years operational health physics at the Beznau nuclear power plants. 370607
Samuelson, R.
The Voyager infrared spectroscopy and radiometry investigation. 374914
Samulski, T.
Exchange effects on the excitation spectrum of liquid helium. 359203
San Marco, J.-L.
Dual isotope scintiscanning (iodine and selenomethionine). Detection of thyroid cancer in aged patients. 354960
Sanada, Junpei
Practical techniques on radiation counters. 374358
Sanada, Shigeru
Study of distribution of ^{203}Hg-chlormerodrin, ^{203}Hg-nitrate and sup(99m)Tc-DMSA in kidney by macroautoradiography. 379182
Sanada, Sigeru
Study of distribution of ^{169}Yb, ^{67}Ga, and ^{111}In in tumor tissue by macroautoradiography. 354829
Sanamyan, V.A.
A search of the variability of the QSOsub(s) 3C 273 and 3C 279 at 408 MHz. 374933
Sanatani, S.
Martian ionosphere as observed by the Viking retarding potential analyzers. 366702
Sanazaro, M.
SNUPPS spare parts philosophy. 374166
Sanchez-Dehesa, J.
Microscopic description of giant electric and magnetic multipole resonances in closed-shell nuclei. (Juel – 1425) 354107
Sanchez-Ouesada, F.
Sputtering model using Monte-Carlo method for escape analysis. 368755
Sanchez Sinencio, F.
Xerographic discharge of orthorhombic sulfur single crystals. (INIS-mf – 4127) 364006
Sanchez, J.-P.
Investigation of transferred hyperfine interactions from ^{129}I and ^{119}Sn by Moessbauer spectroscopy. (CRN-CNPA – 76-26) 353482
Sanchez, N.
Wave scattering theory and the absorption problem for a black hole. 364400

Sanchez, R.
Approximate solutions of the two-dimensional integral transport equation by collision probability methods. 374137
Sanchez, W.
Radioisotopic techniques in the study of pollutant effluents dispersion. Dispersing capacity of water bodies. (IEA-TI – 49) 351961
Sancho, C.
Comparative study of the inhibition produced by CMU (3-p-chlorophenyl-1,1-dimethyl-urea) in barley leaves, on the photophosphorilation, photocarboxilation and hill reaction. (JEN – 382) 367668
Sancisi, R.
Galactic warps: observations. 356314
Sanctis, E. de
Researches with the 600MeV Linac. Chapter 4. (CEA-N – 1959) 354138
Sancton, J.
Measurement of decay branching ratios for the sub(Λ0sup(4)He hypernucleus. 361889
Sanda, A.
What can we learn from e⁺e⁻→U⁺U⁻→μ⁺⁻hadrons + neutrinos. 359258
Sanda, A.I.
e⁺ + e⁻→U⁺ + U⁻→μ⁺⁻/sup [e +- /+neutrinos: general considerations. 359308
Sandacz, A.
On the two-nucleon enhancement associated with high momentum tail of the spectator in the deuteron break up. (JINR-D – 1,2-9342) 356479
Sandars, P.G.H.
On the feasibility of atomic-beam resonance experiment sensitive to the nuclear-spin-dependent weak neutral current interaction. 350645
Sandberg, J.
Migma IV high energy fusion apparatus. 363220
Sande, W.E.
Cost analysis for application of solidified waste fission product canisters in U.S. Army steam plants. (BNWL – 2266) 363080
Sandel, B.R.
Ultraviolet spectrometer experiment for the Voyager mission. 374884
Sandell, A.
Photoinduced fission of the doubly even isotopes U^{234}, U^{236} and U^{238}. (LUNFD6-NFFR – 3017) 375149
Sandels, E.G.
An analysis program for a thyristor inverter. (RL – 76-153-A) 365757
Sander, B.
Investigation of the metabolism of ^{125}I orthohippuric acid (sodium salt) in rats. (STH – 12/77) 357676
Sander, H.G.
Evidence for the F meson. 353947
Measurements of tau decay modes and a precise determination of the mass. 372505
On the origin of inclusive electron events in e⁺e⁻ annihilation between 3.6 and 5.2 GeV. 353772
On the semileptonic decay of charmed hadrons. 356496, 364566
Sander, U.
Dissipation of energy deposited by fast ions passing through carbon foils. (INIS-mf – 3996) 364619
Energy-straggling of H and He ions in thin solids. (INIS-mf – 3996) 364625
Sanders, A.J.E.
Manufacture of CANDU reactors. 368189
Sanders, B.
Safeguards agreements – Their legal and conceptual basis. 371303
Sanders, C.L.
Cocarcionogenesis of inhaled plutonium dioxide and beryllium oxide. (BNWL – 2100(Pt.1)) 360341
Quantative autoradiography of inhaled $^{239}PuO_2$ in the lung. (BNWL – 2100(Pt.1)) 360336
Role of protracted exposure on the toxicology of inhaled $^{239}PuO_2$. (BNWL – 2100(Pt.1)) 360340
Sanders, H.
On-line display aids for the automated measuring of bubble chamber film at Fermilab energies. 352816
Sanders, J.P.
High-temperature gas-cooled reactor safety studies. Progress report for January 1, 1974 – June 30, 1975. (ORNL – 5183) 365912
Sanders, L.G.
Nuclear Physics Division Progress Report for the period 1st April 1976 to 31 December 1976. (AERE-PR/NP – 24) 356612
Sanders, M.
Assessment of solid low-level radioactive waste management. (Y/DD – 238(Rev.)) 366109
Sanders, R.
Separation of solar and interplanetary diffusion in solar cosmic ray events. 366697
Sanders, R.H.
Effects of dissipation on the gas response to oval distortions of disk galaxies. 369194
Sanders, S.M.
Methodology for the isolation and characterization of individual plutonium-bearing particles in atmospheric effluents from a nuclear processing plant. (DP-MS – 77-27) 373472
Source – term study of plutonium-bearing particles from a nuclear fuel reprocessing plant. (DP – 1455) 367437
Sanders, T.J.
Radiation hardened field oxide. (SAND – 77-1044c) 351878
Sanders, W.T. III
Spatial correlations and spectral characteristics of the soft x-ray diffuse background. 372258
Sanderson, N.E.
^3He D-state effects in (d,^3He) reactions. 356865
Sanderson, S.J.
Secondary hardening and tempering processes for a 9%Cr – 1%Mo steel austenitized in the γ + delta phase field. 357320
Sandhas, W.
Dependence of four-body observables on the range of effective interactions like those of the unitary pole approximation. 364711
Dependence of four-body observables on the range of UPA-like effective interactions. (BONN-HE – 77-20) 366950
Sandhu, R.S.
Thermodynamics stability constants of praseodymium(III), neodymium(III), and samarium(III) with tyrosine. 351558
Sandhu, S.S.
Complexes of uranium(IV) and thorium(IV) with thiophene-2-carboxylic acid. 351568
Sandhu, T.S.
Theoretical investigation of the photodisintegration of deuteron at 0° for the outgoing protons. 354105
Sandhya Devi, K.R.
Do we really understand the causes for backbending. (ZfK – 336) 364685
Sandland, R.
Outlook following 'somnolence syndrome' after prophylactic cranial irradiation. 379075
Sandler, B.
High-P/sub transverse/² p-p elastic scattering in pure initial spin states. 359343
Measurement of the π⁺p and π⁻p polarization parameters at 100 GeV/c. 351209
Spin-spin interactions in high-transverse momentum elastic p-p scattering. 359344
Sandler, E.K.
Industrial tests and application of porous AN-21 anion exchanger for rhenium extraction. 359644
Sandler, Y.L.
Solubility of nonstoichiometric nickel ferrite in high-temperature aqueous solution. 374222
Sandlin, G.D.
Lines of H_2 in extreme-ultraviolet solar spectra. 359106
Sandomirskij, V.B.
Field characteristics of electric conductivity of semiconductor films containing intergranular barriers. 374714
Sandona, E.
Scope and results of the reactor vessel radiation surveillance program of the Nuclear Power Plant Beznau I. (IAEA – 202) 376533
Sandor, L.
Study of inclusive processes with propane bubble chamber. 366896
Sandoval, A.
Central collisions of relativistic heavy ions. 359486
Multiplicity and charged particle emission in relativistic heavy ion collisions. (LBL – 6537) 362066
Sandquist, G.
Geothermal down hole velocity measurement device. 365676
Sandquist, G.M.
Measurements of surface radon fluxes from uranium mill tailings. 349897
Sandqvist, A.
Anisotropic scattering in dark clouds and formaldehyde lifetimes. 364281
Sandri, G.
Test particle propagation in magnetostatic turbulence. 3: the approach to equilibrium. (N – 77-27864) 378929
Sands, R.H.
Added precision in ^{57}Fe Moessbauer spectroscopy. 355524
Sandstroem, Anders
A composite dose calculation model for local, regional and global atmospheric dispersion. 370558
Sanduleak, N.
The frequency of faint M giant stars at high galactic latitudes. 369195
Sandulescu, A.
Alpha decay of heavy and superheavy nuclei. 356593
Further possibilities with Pb-targets for synthesizing super-heavy elements. 364775
Sandweiss, J.
Summary of experimental design group. (BNL – 50611) 357992
Summary of experimental insertions workshop. (BNL – 50611) 357991
Sane, J.O.
Design of the US-CRBRP sodium/water reaction pressure relief system. (CONF-760735 – 2) 379775
Sane, P.V.
Metabolism of labelled ziram in groundnut plants and its microbiological degradation. 379158
On the origin of low temperature thermoluminescence in nucleic acid bases: excitation and emission spectral studies. 360221
Sane, R.T.
Direct spectrophotometric estimation of cadmium. 375349
Spectrophotometric estimation of vanadium (V) with 2-2'-diamino-diphenyl-disulphide. 367051
Sanford, B.
Management of radioactive wastes from nuclear fuels and power plants in Canada. (AECL – 5706) 361100, 368362

Sanford, B.V.
The Canadian program for storage and disposal of spent fuel and high-level wastes. 358529
Sanford, C.E.
A procedure for preparing alkali metal hydrides. 359645
Sanford, P.
Some features of the x-ray source on Cyg X-3. (CONF-7510169 –) 364372
X-ray observations of 3U 1700-37. (CONF-7510169 –) 364373
Sanford, P.W.
Copernicus observations of a number of galactic x-ray sources. (CONF-7510169 –) 364302
An increase in the x-ray absorption of NGC 4151. 356180
X-ray variability of Vela X-1: 3U0900-40. (CONF-7510169 –) 364295
Sang, H.L.
Bituminization process of radioactive liquid wastes by domestic bitumen. (IAEA-R – 1501-F) 376761
Sangadji
Integral equations and computation problems. (PPGM – R96-76) 366210
Sangal, DS.P.
Thermodynamic functions and stability constants of some rare earths with phloroglucinol. 367099
Sanghani, K.J.
Experimental evaluation of water surface heat exchange. 370929
Sangster, D.F.
A comparison of some aqueous chemical dosimeters for absorbed doses of less than 1000 rads. 376258
Formation and decay kinetics of the 2p levels of neon, argon, krypton, and xenon produced by electron-beam pulses. 378508
Sangwine, S.J.
The injection of sodium into liquid stainless steel. (PNC-N – 251-76-12(vol.1)) 350126
Sanin, V.M.
Measurement of asymmetry of the $\gamma d \rightarrow \pi$ deg d reaction cross section in the linearly polarized photon beam. 349092
Sanitarov, V.A.
Charge carrier transfer and impurity distribution in alloyed epitaxial structures. 368774
Sanjeevaiah, B.
Gamma ray attenuation coefficient measurements at 1115, 1173, and 1332 keV. 361924
Inner bremsstrahlung accompanying electron capture in ^{7}Be and ^{51}Cr. 362099
Intermediate energy approximation of the Bethe-Heitler formula for the bremsstrahlung cross-sections. 364624
Internal bremsstrahlung accompanying non-unique second-forbidden β-decay of ^{36}Cl. 356913
Photoelectric cross sections for 323 keV gamma rays in Cu, Zr, Ag, Sn, Ta, Au, and Pb. 359361
Variation of total to K-shell photoelectric cross section ratios with atomic number and photon energy. 361358
Sanjeevaiah, H.
Inner bremsstrahlung accompanying electron capture in ^{7}Be and ^{51}Cr. 362099
Sanjeeviah, H.
Internal bremsstrahlung accompanying non-unique second-forbidden β-decay of ^{36}Cl. 356913
Sankar Das, M.
Measurement of annihilation radiation in activation analysis. 369542
Sankar, S.G.
Effect of cubic crystal field on the magnetic anisotropy in $HoAl_2$. 362450
Effect of magnetic anisotropy on the heat capacity of $HoAl_2$. 378720
Influence of crystal field interaction on the thermal behavior of $ErAl_2$. (IS-M – 81) 351763
Low temperature heat capacities of DyCoNi. 362451
Sankaran, K.
Uptake of ^{32}P into tissue constituents of rats bearing Yoshida ascites tumour. 367640
Sankaranarayanan, N.
Mutagenic action of non-ionizing radiations: its implication in radiation protection. 370327
Sanke Gowda, H.
Spectrophotometric determination of Ru(III) with promazine hydrochloride. 367053
Sankhla, B.S.
Infrared absorption spectra of samarium mono-, di-, and tri-glycolates. 374643
Sanmartin, J.R.
Self-similar deflargation in laser half-space plasmas. (INIS-mf – 3963) 372011
Self-similar motion of laser half-space plasmas. 1. Deflagration regime. (JEN – 395) 368988
Sanna, R.
The effect of the male-female body-size difference on absorbed dose-rate distributions in humans from natural gamma rays. 370657
Sannikov, V.V.
Electron temperature measuring in the Tokamak-6 device by means of laser radiation scattering. (IAE – 2583) 348884
Measurement of the plasma electron temperature and density distribution in the TM-3 TOKAMAK by the laser radiation scattering technique. 356155
Plasma heating in the TM-3 tokamak by electron cyclotron-resonance at magnetic fields up to 25 kOe. (IAE – 2564) 368912
Sano, H.
Moessbauer spectroscopic studies on the effective ranges of ^{119}Sn resonantly scattered electrons in SnO_2, $CaSnO_3$, and $BaSnO_3$. 348781
Sano, Susumu
Reconstruction of the full thickness chest wall defect. 352051
Sano, T.
The heat transfer characteristics of steam generators for FBR. 350266
The solubility of hydrogen in Nb-Mo alloy. 354523
Sano, Tadao
Behavior of irradiated oxide fuel. 350159
Sano, Toshiyuki
Rhabdomyosarcoma of the abdominal wall following radiotherapy for carcinoma of the cervix uteri. 379061
Sanochkin, V.V.
50 MeV electron synchrotron with cyclotron preacceleration. 350092
Sanokawa, Konomo
Bibliographical survey of heat exchangers for nuclear power plants and problems of HTGR. (JAERI-M – 7034) 355444
Sansom, J.M.
High energy fast neutrons from the Harwell variable energy cyclotron. II. Biologic studies in mammalian systems. 379007
Sant, B.R.
Microbiological leaching of ores and concentrates. 373403
Santa Cruz, S.
Study on public acceptance of irradiated potatoes. 367678
Santamaria, J.
Some dynamical properties of the reactions of F atoms with HCl and DCl. 353350
Santangelo, R.
Description and performance of MEA, the magnetic detector at ADONE. 379480
Santar, I.
Radiation vulcanization of polymer film – economical analysis. (INIS-mf – 4194) 376823
Santarini, G.
Electrochemical and crystallographic aspects of the corrosion of austenitic stainless steels in concentrated hot soda solutions. 354555
Santarova, M.
The correlation between composition, structure and properties of high-level waste solidification products. 368378
Santee, G.E. Jr.
Asymmetry effects in fluid flow measurements using pulsed-neutron activation. 378160
Santhamma, A.V.
Some investigations with cathetron applicator. 376229
Santhamma, M.T.
Preparation, IR and thermal studies of thorium peroxide species. 354336
Santhanam, A.T.
Identification of the tetragonal Nb_5Ge_3 phase in two-phase Nb-Ge superconducting films by electron diffraction. 351803
Santhanam, K.
Charged particles transport in one-dimensional finite systems. 361937
Santiago-Delpin, E.A.
Radiation-induced liver damage. 379027
Santiago, M.M.F.
Water isotopic fractioning (^{18}O and D) of the Santo Antonio de Russas artificial lake during the evaporation. 365313
Santilli, R.M.
Necessary and sufficient conditions for the existence of a lagrangian in field theory. III. Generalized analytic representations of tensorial field equations. 358681
Santini, M.
Behavior of the ^{4}He viscosity near the superfluid transition. 372322
Santolicandro, A.
Imaging of pulmonary ventilation in asthma assessed with continuous inhalation of krypton-81m. 354931
Santoma, L.
The importance of quality assurance in establishing nuclear power programmes. Spanish experience. 370524
Inspection of nuclear power plants under construction in Spain. (INIS-mf – 3974) 368473
Santori, J.
Fuel dispersal experiments with simulant fluids. (CONF-761001 – P4) 362918
Santoro, A.
Double Regge model for non diffractive A_1 production. (CBPF – A0028/77) 350562
Duality and mass-slope correlation in diffractive dissociations. 353785
Neutron powder diffraction study of the intermediate-temperature form of lithium tantalate. 361468
Santoro, R.T.
Design features of the ELMO Bumpy Torus Reactor (EBTR). (CONF-771109 – 65) 377560
Neutronics and radiation damage calculations for fusion reactors. (CONF-771036 – 4) 371716
Nuclear performance calculations for the ELMO Bumpy Torus Reactor (EBTR) reference design. (ORNL/TM – 6085) 372012
Sensitivity of the first-wall radiation damage to fusion reactor blanket composition. (ORNL/TM – 6105) 377342
Santos, A. de los
The legal framework in Spain for a nuclear programme. 371259

Santos, A.N. dos
A new instrumental method for the analysis of rare earth elements. (UEC-S – 186/56/75) 364909
Santos, F.D.
^{3}He D-state effects in (d,^{3}He) reactions. 356865
Santos, G.
Mechanism of donor to host tolerance in rat bone marrow chimeras. 370373
Santos, G. Jr.
Geochemical activation analysis surveys on Negors and Samar Islands in the Philippines. Part of a coordinated programme on nuclear based techniques in geology and mineral prospecting. (IAEA-R – 1442-F) 376013
Santos, I.S.
Screening for induced mutants in mungbean (Vigna radiata) resistant to powdery mildew (Erysiphe polygoni). 373744
Santos, J.L. dos
Radioisotopic techniques in the study of pollutant effluents dispersion. Dispersing capacity of water bodies. (IEA-TI – 49) 351961
Santos, P.M. Dos
Detection of H_2O emission from galaxy NGC253. 364363
Santos, R.R.
Hydrogen atoms in strong magnetic fields oscillator strengths. 353198
Santos, R.R. dos
The antiferroelectric phase in KCN. (PUC-TN – 23/76) 350777
Santroni, A.
An air light guide, plastic scintillation counter. 379935
Sanuki, H.
Nonlinear distortion of propagation cones of lower hybrid wave in an inhomogeneous plasma. 350935
Sanuki, Heiji
Microinstabilities in a plasma slab with steep density gradient. (IPPJ – 294) 368989
The nonlinear distortion of propagation cones of lower hybrid wave in an inhomogeneous plasma. (IPPJ – 268) 366620
Parametric decay of lower hybrid wave into drift waves. (IPPJ – 272) 353627
Parametric instabilities in magnetized plasma. 353626
Sanwal, P.C.
Determination of serum thyroxine level in goats by competitive protein binding. 352126
Studies on T_3-^{125}I uptake by resin in Hariana and its F_1 crosses in relation to different climatic conditions. 352067
T_3-^{125}I uptake by resin, serum and calcium and phosphorus level in pregnant and lactating black Bengal goats. 352131
Sanz, J.M.
Study of the impurities in tantalum and anodic tantalum oxide by Auger electron spectroscopy. 369561
Sanzhur, I.E.
Neutron scattering at the energy range 1.5-3.0 MeV by Ni^{64} nucleus. 369490
Scattering of neutrons on even Cr, Fe, Zn isotopes in the energy range from 1.5 to 3.0 MeV. (INIS-mf – 3897) 356809
Saparin, G.V.
Investigation of luminescence in ZnSe-CdTe and ZnSe-ZnTe heterojunctions. 371600
Saphier, D.
DSNP: a new approach to simulate nuclear power plants. (CONF-770728 – 2) 358043
Evaluated delayed neutron spectra and their importance in reactor calculations. 362100
A special purpose computer simulation language for nuclear power plants. (INIS-mf – 4052) 374535
Sapir, J.
Thermal-neutron coincidence counting of large plutonium samples. 380120
Sapir, J.L.
Nuclear safeguards research and development program. Status report, January – April 1977. (LA – 6849-PR) 366203
Nuclear safeguards research program status report. Progress report, September – December 1976. (LA – 6788PR) 366202
Sapogin, V.G.
Trapping of charged particles by transverse electromagnetic waves. 348988
Sapora, O.
The effect of the electron affinic sensitizers Ro 07-0582 and Ro 03-6156 on the survival of several E. coli mutants. 376076
The induction of β-galactosidase and tryptophanase in X-irradiated E. coli and B/r. 365360
Sapozhnikov, A.P.
Calculation of a correlation for Q-meter non-linearity in measurement of target high polarization. (JINR-R – 13-10694) 371167
Sapozhnikov, M.G.
Phase shift analysis of the elastic scattering of pions on ^{4}He. (JINR-R – 4-10598) 375202
Sapozhnikov, R.A.
Preparation of solid solutions based on ZrO_2 and HfO_2 and study of the process of their crystallization. 369701
Sapozhnikov, V.M.
Use of thoron for air tightness control of film-made articles. 357884
Sapozhnikov, Yu.L.
Physicochemical investigations into compositions of the Y_2O_3-Lu_2O_3-Eu_2O_3-CaO-GeO_2-Fe_2O_3-PbO-B_2O_3. 369699
Physicochemical investigations into compositions of the Ysub(3-x)Bisub(x)Fesub(5-y)Gasub(y)O_{12}-PbO-B_2O_3-Bi_2O_3. 369698
Sapozhnikova, T.V.
Formation of mixed hydroxides in the thorium chloride-iron chloride-sodium hydroxide system. 354402
Sapp, B.
Search for the metastable 2s state in muonic hydrogen. 361331
Sapp, W.W.
Precision measurement of the 3d-2p transition energy in muonic Mg, Si, P, by crystal spectrometer. 376954
Sapper, J.
On sawtooth oscillations and MHD modes in the W VII A stellarator. (INIS-mf – 3963) 371780
Sapronova, N.A.
Paste for high temperature metallization of sapphire. 349382
Saprygin, V.D.
Low temperature effect on the working capacity of titanium steel explosion welded joints. 351772
Saprykin, A.S.
X-ray electron study of cerium, praseodymium, thorium and uranium (4) heteropolytungstates. 378307
Saprykin, E.M.
Analysis of inelastic scattered neutron spectra. (INIS-mf – 3897) 356623
Saprykin, Yu.E.
Some problems for constructing of circulation superconducting magnetic systems. (IAE – 2397) 349991
Sapunov, V.N.
Epoxidation of cyclohexene by ethyl benzene hydroperoxide in the presence of molybdenum catalyst. 378386
Sarachik, M.P.
Effect of neutron irradiation on single crystal V_3Si. (BNL – 23015) 351912
Saraev, M.K.
Gamma rays in neutron inelastic scattering on Al and Fe nuclei at neutron energy range 0.8 – 10 MeV. (INIS-mf – 3897) 359520
Saraf, J.R.
Kinetic theory of a chemically reacting polyatomic plasma. 372013
Saraiva, J.C.
Determination of glomerular filtration in dogs through ^{113}sup(m)In-DTPA. 352115
Sarajkin, V.V.
Change of optical properties of vanadium dioxide at semiconductor-metal phase transition. 350758
Sarantakos, S.B.
SU_4XSU_4 chiral symmetry for pseudoscalar mesons. 361807
Sarantites, D.G.
γ-ray multiplicities from nuclear reactions: theory, instrumentation and analysis. 355598
Sarantsev, V.P.
New developments in particle accelerators. 367982
New methods of acceleration. (JINR-R – 9-9341) 350066
Sarapul'tsev, I.A.
Calculation of the dose rate in the gastrointestinal tract of the small laboratory animals. 360273
Formation of tissue doses of ^{90}Sr and ^{137}Cs orally administered to calves and hens. 370412
Morphological and biochemical blood changes in cows chronically exposed to strontium-90. 349792
On the problem of extrapolating the data on Sr^{90} behaviour in dogs to a human organism. 370411
Quantitative – autoradiography determination of the dose rates after Sr^{90} administration to biological objects. 360342
Sararu, M.
Parity nonconserving effects in nuclei. 355734
Sarazin, C.L.
Zeeman splitting of X-ray lines by neutron-star magnetic fields. 359157
Sarbishaei, M.
Multi-Regge limit of the Veneziano model and the new trajectories. I. 372480, 372481
Sarbu, I.
The effect of γ-radiations on a TBP/diluent/HNO_3 systems. (ITN – 114) 357173
Sardanashvili, G.A.
Compensation and nonlinear theory. 348618
Sargent, F.P.
Effect of a magnetic field on the fluorescence produced in irradiated anthracene solutions. 362253
Spin trapping of radicals produced in benzene radiolysis. Evidence for the phenyl radical as an intermediate. 351656
Sargood, D.G.
Cross sections for ^{18}O(α,n/sub 3,4/γ)^{21}Ne reactions populating the (1/2$^-$,1/2$^+$) doublet. 364826
Sari, C.
Oxygen diffusion in uranium-plutonium oxide fuels at low temperatures. 362514
Simulation study of the restructuring of advanced fuel heated in a radial temperature gradient. 378775
Study of uranium-plutonium carbide-based fuel simulating high burnup. 378458
Sari, S.O.
Optical and electrical experiments at some transition-metal oxide foil-electrolyte interfaces. (COO – 4381-1) 362504
Saris, F.W.
Analysis of Si thin films prepared by ion beam sputtering. 368741
Analysis of surface structure and composition by ion-scattering spectroscopy. 368874
Backscattering measurements of the temperature dependence of irradiation-induced displacement of As and Sb atoms in Si crystals. 370223

The interaction between impurity atoms and point defects in Si. (INIS-mf – 4267) 377317
Measurement of direct and 2p-vacancy transfer contributions to K-shell ionization cross sections. 353313
Production of inner-shell vacancies in slow ion-atom collisions for projectiles Z > = 10. 377011
The production of K-shell vacancies during collisions of 50-1200 keV Nesup(n+) → Ne for n = 1, 2, 3 and 4. 361361
Relaxation of a Pt(111) surface studied by medium energy ion scattering. 368895
What is the position of atoms in a Ni(110) surface, which is either clean or which has absorbed oxygen or sulphur atoms. (INIS-mf – 4267) 377309

Sarjani, P.
An analysis program for a thyristor inverter. (RL – 76-153-A) 365757

Sarkar, F.H.
Response of adrenal gland to whole body ^{60}Co irradiation. 349738

Sarkar, J.
Safety Technology Research Program in the field of pressurized water reactors. 1. Technical report on advancement project RS 36/2. Emergency cooling program service life experiments: reflooding experiments involving the primary loop systems. (LA-tr – 77-44) 352292

Sarkar, K.
Sea level muon spectrum derived from the Goddard Space Flight Centre measured nucleon spectrum using the Cocconi-Koester-Perkins model. 357545

Sarkar, P.K.
Utilization of plastic scintillator in the measurement of uncharged radiations. 366035

Sarkar, S.D.
New and superior adrenal imaging agent, ^{131}I-6β-iodomethyl-19-nor-cholesterol (NP-59): evaluation in humans. 357652

Sarkar, S.K.
Some studies on isolated sunspot magnetic configurations and associated Hsub(α)-flares and microwave bursts. 366679

Sarkar, S.R.
Effect of simulated high altitude on red cell membrane permeability as revealed by influx of ^{86}Rb and ^{22}Na. 349812

Sarkisov, K.A.
Instrumentation for spin-echo nuclear magnetic logging. 375962

Sarkisov, S.Eh.
Complex spectroscopic investigations of double molybdates of Ksub(5)Ndsub(1-x)Bisub(x)(MoOsub(4))sub(4)composition. (INIS-mf – 3955) 378302

Sarkissian, A.T.
An unconventional transition radiation detector. 355566

Sarkissian, B.V.B.
Crystal field effects in the transport properties of rare earth alloys. 378721

Sarlos, B.
The development of the HTR direct cycle. 379687

Sarma, G.M.K.
The microstructures of ordered alloys. 378722

Sarma, M.S.R.
Indian experience in the training of manpower for a nuclear power programme. 371321

Sarma, N.V.G.
Structure of Kepler's SNR and the Crab Nebula at 327 MHz from occultation observations. 356335

Sarma, S.B.S.S.
Solar zenith angle dependence of sudden cosmic noise absorptions. 356315

Sarma, T.P.
Studies on adsorbents for uranium from sea water. 375657

Sarma, U.U.M.
Chemistry of lanthanons: Part XLIV – isolation and characterization of coumarin-3-carboxylate chelates of lanthanons. 349213

Sarmah, N.C.
Interacting bosons and properties of liquid ^{4}He at low temperatures. 375002

Sarmanov, S.Ga.
Cesium determination in powder samples by X-ray fluorescence method. 367020

Sarmina, V.I.
The investigation of the process of thermal decomposition of gamma-irradiated polyimide by mass-spectroscopy. 375692

Sarnatskij, D.P.
Study on deep trap centers in epitaxial GaAs < Cr,W > by the method of thermostimulated capacitor discharge. 348751

Sarode, P.R.
Shapes of x-ray L/sub III/ and K absorption discontinuities of rare earth and cobalt in the rare earth cobalt compounds of the RCo_2 family. 357321

Sarosiek, J.
Radioecology of Picea excelsa (L.) Lam. 370426

Sarracino, J.S.
Photoproduction of the psi(3095) and psi'(3684) at final energies. 372535

Sarrak, V.I.
External stress effect on the resistance of maraging steel to crack development. 359890
On the mechanical instability of austenite in martensitic pretransformation state. 370057
Slow-fracture, hydrogen and contaminants in a steel. 378723
Stress effect on martensite tempering process. 349457

Sarrazin, P.
Comparative study of the oxidation with water vapor of pure titanium and of Ti – 6Al – 4V. 362305

Sarris, E.T.
Acceleration and modulation of electrons and ions by propagating interplanetary shocks. 372113

Sarsenov, M.K.
Device for the measurement of a probe immersion depth during radioactive reference mark recording in a borehole. (Soviet patent document 462155/A/) 378864

Sartabaev, T.
Alpha-sensor to check up nuclear radiation detectors and electronic circuits. (Soviet patent document 438957/A/) 355580

Sartbaev, T.
Light yield of CsJ(Tl) thin-film detectors. 371120

Sartor, K.
Selective spinal arteriography. Its bearing on diagnosis and therapy of spinal processes, particularly arteriovenous malformations. 376193

Sartor, R.
On the self-consistency requirement in the low density expansion of the optical potential in nuclear matter. 356653

Sartorelli, Claudio
The legal position of the operator and the constructor as regards construction of a nuclear power plant. 350424

Sartorius, H.
A method for measurement of the Krypton-85- and Xenon-133-content in the atmosphere. 376036

Sartory, W.K.
An assessment of the validity of inelastic design analysis methods by comparisons of predictions with test results. (IWGFR – 11) 354504
Creep deformation and rupture behavior of type 304/308 stainless steel structural weldments. (ORNL – 5265) 357228

Sartosi, P.
Multihadron production e^+e^- annihilation at 1.6 c.m. energy. 364575

Sarukhanishvili, A.V.
Glass formation and some physicochemical properties of glasses of the R_2O-MnO-B_2O_3 system. 378326

Sarukhanov, R.G.
Grain size effect on electrophysical properties of 80% Bi_2Te_3 – 20% Bi_2Se_2. (INIS-mf – 3914) 349471

Sarwar, G.
Induction of resistance to yellow mosaic virus in mungbean through induced mutations. 373753

Sarwinski, R.E.
Superconducting instruments. 365710

Sarycheva, L.I.
Comparison of interaction characteristics at 40 and 40000 GeV. 361689
Composition and properties of cosmic radiation on mountain altitudes. 361668
Energy spectra of leading particles in hadron-nucleus interactions. 361664

Sarzhan, G.F.
Changes in the structure and mechanical properties of the two-phase alloy VKh4 in the process of plastic deformation. 365158

Sasa, Y.
Bonding effect in X-ray spectra induced by 84 MeV N^{4+} ions. 358846, 377562

Sasahara, A.A.
Diagnosis of acute myocardial infarction in patients undergoing open heart surgery: a comparison of serial myocardial imaging with cardiac enzymes, electrocardiography, and vectocardiography. 357646

Sasajima, Kazuhisa
Precision of neutron activation analysis for environmental biological materials. 359554

Sasakawa, Tatuya
Five-body equation. 366956
Resonance theory of scattering by a potential. 359439

Sasaki, A.
Alfven-wave heating experiment in the heliotron-D. 364235
Ionized-cluster beam technology. 377295
Shear Alfen wave heating experiment in the Heliotron D. (INIS-mf – 3963) 372070
The vapourized-metal cluster ion source and its application to film formation. 370683

Sasaki, Akio
Ion implantation into metals. 373392

Sasaki, Kohsuke
Measurement of tritiated thymidine labeling index by incubation in vitro of surgically removed cervical cancer. 360400

Sasaki, Masayoshi
Control rod cooling mechanism. 368190

Sasaki, Mitsuo
Atomic absorption method for the determination of trace amount of cadmium, copper, lead and zinc with ion-pair extraction of dimercaptomaleonitrile. 367035

Sasaki, S.
New techniques for the treatment of laundry and other low-level liquid wastes. 358496
Nuclear power generation in Japan. 360884

Sasaki, Susumu
An experimental study on mass separation by plasma centrifuge. 354339
Simultaneous temperature measurement of ionospheric plasma and neutral atmosphere with K-10-11 rocket. 349683

Sasaki, T.
High power glass laser system "Gekko" for fusion research. (IAEA – 200) 353655

Laser fusion research in Osaka. (IAEA – 200) 353656
Measurement of density modification of laser-fusion plasmas. 371732
Sasaki, Takeshi
A case of chronic myelogenous leukemia with atypical clinical course seen in a radiological worker. 379077
Sasaki, Tomoaki
Internal structure of reactor container. 360825
Sasaki, Tsuneo
Storage container of radium source newly manufactured for trial for intracavitary irradiation of cancer of the uterine cervix, 2. 355164
The study of safety control for the professional personals in the large dose treatment of $Na^{131}I$. 355062
Sasaki, Yasuhito
Analysis of radioassay data using four-parameter logistic function. 360395
Medical application of stable isotopes. 360401
Sasaki, Yasuichi
Statistical properties of strengths of graphites for high temperature gas-cooled reactor. 370118
Study on porosity of nuclear graphite by activation analysis and mass-spectrometry. (JAERI-M – 7223) 378781
Sasaki, Yoichi
Kinetics of the oxidation of ethylenediaminetetraacetato and aqua complex of dimeric molybdenum(V) by the μ-hyperoxo-bis[pentaamminecobalt(III)] ion in aqueous perchloric acid solution. 359684
Sasaki, Yumiko
Intracellular dynamic state of tumor-philic radionuclides, 1. 379116
Sasaku, M.S.
'Biological dosimetry' and physical parameters relating to the exposed Japanese. 370387
Sasamoto, N.
Effect of the light output efficiency of charged particles on an unfolded neutron spectrum by an NE213 organic scintillator. 379942
Sasao, H.
Arrangement plan in adjacent area and subsidy. 374542
Sasao, M.
Structure in the giant dipole resonance of ^{16}O: Evidence for a secondary doorway state from polarized-proton capture. 366968
Sasazawa, Atsushi
Sodium circulating system for a reactor. 350264
Sashidhar, V.R.
Screening of varieties for relative drought tolerance in groundnut. 376156
Sasi Dhar, V.
Collisional deactivation of $CO_2(00^01)$ by propyl alcohols. 368697
Sasiadek, U.
Effect of irradiation on activity of lysosomal acid phosphatase in peripheral blood granulocytes of mice. 367479
Saslaw, W.C.
Cosmological information from new types of radio observations. 366748
Sass, J.K.
Electron density effects in surface plasmon excitation on silver and gold electrodes. 356002
Plasma resonance absorption in interfacial photoemission from very thin silver films on Cu(111). 361469
Sass, S.L.
The direct imaging of a linear defect using diffuse scattering in Zr-Nb b.c.c. solid solutions. 365162
Sasser, D.W.
Users guide for evaluating alternative fixed-site physical protection systems using "FESEM". (SAND – 77-1367) 380116
Sassi, B.H.
Toughness and resistance to crack propagation of the titanium TA6V alloy. 378724
Sassi, G.
A statistical analysis of gamma emission in actinide fission. 366973
Sasso, J.R.
GE tackles the nuclear island. 352641
Sassoli
One aspect of the construction of superphenic; the on-site assembly of certain components of the nuclear boiler. 371043
Sasson, S.
Photochemistry of 5-bromouridine and 5-bromo-2'-deoxyuridine in ice and in 'puddles'. 357559
Sastri, C.S.
Determination of 13 elements with atomic numbers between 12 and 47 by 14-MeV helium-3 activation analysis. 364910
Trace analysis of heavy metals in high purity materials by helium-3 activation analysis. 375350
Sastry, G.P.
Cherenkov losses of a relativistic neutron in a conducting medium. 364612
Sastry, M.S.N.
Problems and improvements – emergency power plants at CIRUS. 379844
Sastry, P.S.
Lipid metabolism in chlorotic spot virus infected groundnut leaves (Arachis hypogea L var. TMV 2). 367644
Sastry, V.N.
Studies on adsorbents for uranium from sea water. 375657
Satake, T.
An experimental UHV apparatus to investigate interactions of low energy light ions with solid surfaces. 368978
Satake, Toshiaki
Time variation of internal plasma parameters in microwave-pulse-excited He-Kr^+ ion laser. 353572
Satanovskij, V.R.
Optimization of the thermal scheme of a power plant with a non-equilibrium MHD generator and a "Tokamak" type reactor. (INIS-mf – 3954) 361756
Satarov, V.I.
Angular dependence of cross sections for the $(\pi^+,2p)$ reaction on Li nuclei at 85+-4MeV. 369497
Satchler, G.R.
A dynamic polarization potential for heavy-ion scattering. 362008
Pick-up and inelastic scattering contributions to the proton optical potential. 372600
Saterlie, S.
Positron measurements of aging in complex aluminium alloys. 348796
Sathe, R.M.
Use of an ion sensitive electrode in the study of the mixed ligand chelates of Th(IV) with aminopolycarboxylic acids and fluoride ions. 357117
Sather, A.
Evaluation of a pulsed eddy-current system for subsurface flaw detection. (ANL/MSD – 78-1) 379525
Sather, H.N.
Statistical models for competing risk analysis. (PB – 264181) 352289
Satin, K.P.
Direct radioimmunoassay for estriol-16-glucuronide in urine for monitoring pregnancy and induction of ovulation. 362776
Satish Kumar
Synthesis and ion-exchange properties of cerium(IV) molybdate. 367132
Satkyavichyus, Z.V.
Method of quantitative determination of blood radioactivity. (Soviet patent document 482165/A/) 354309
Sato, Akira
Method of partitioning high-level fuel reprocessing waste. (JAERI-M – 7206) 378473
Sato, Fumio
Neutral-hydrogen shell of W 33. 349027
Sato, H.
Absorption of massive scalar field by a charged black hole. 355810
Accurate electronic energies of He^{++}_2. 363935
Isospin mixing of the 1^+ states in ^{12}C. 356654
Sato, Haruo
Cask for receiving control rod drives. 368071
Sato, Hideo
Fuel exchanging apparatus. 368101
Sato, Hideyuki
Device for automatically operating cooling mode of water in a pressure suppression chamber. 379560
Sato, Hikaru
The dynamic filters for KEK main ring quadrupole magnets. (KEK – 76-20) 355205
Sato, Hiroaki
The treatment of waste water containing PVA by ionizing radiation, (2). 349962
Sato, Hiroshi
Computer-aided approximate for fluorescent x-ray analysis utilizing radioisotope Am-241. 367044
Device for supporting a toroidal coil in a toroidal type nuclear fusion device. 366579
Nuclear fusion apparatus. 366621
Sato, Humitaka
Pulsars covered by the dense envelopes as high-energy neutrino sources. 372259
Sato, I.
Development of KEK injector linac. 363357
Sato, Isao
A case of chronic myelogenous leukemia with atypical clinical course seen in a radiological worker. 379077
Sato, Iwao
A naive relativistic quark model of mesons with an instantaneous interaction. 353902
Sato, K.
Charmed meson decays and right-handed currents. 361763
Sato, K.N.
High-temperature high-quality deuterium plasma production by laser beams and interactions with magnetic fields. 377529
Re-thermalisation and flow of laser-produced plasmas in a uniform magnetic field. 377551
Sato, Kazuhide
Clinical effect of Cystenosine on leukocytopenia at the time of therapy with radiation and antineoplastic agents. 362706
Sato, Kazuo
A note on the transfer-function matrix of fluid transmission lines. 379440
Sato, Kenji
Assembling method of fuel assemblies. 360846
Study on sterilization of various kinds of sanitary materials with radiation. 354956
Sato, M.
Ion wave excitation by radiation pressure in a plasma waveguide. 372044
Safety evaluation of the Monju steam generator. (CONF-761001 – P2) 362951
Studies of Ca^+ implanted Mo foil by means of work-function measurements and AES. 367333
Sato, M.K.
Effect of whole-body irradiation with several radiation doses on

the quality of rabbit sperm. 352034
Labelling of human fibrinogen with radioactive iodine (^{125}I). 351620
Sato, Makoto
Kinetics of the oxidation of formate by iodine in the water-methanol and the water-ethanol mixed solvents. 372965
Sato, Masaaki
Non-linear strings. 359276
Sato, Masakazu
Inspection of the fuel for the Japan Experimental Fast Breeder Reactor JOYO. (PNCT – 831-76-01) 379788
Sato, Masumi
Spectral line broadening by nonuniform plasmas, 1. 359010
Sato, N.
Determination of bismuth by photon activation analysis. 378142
Enhanced heating of mirror-trapped ions under an instability around ion-cyclotron frequency. 356112
Sato, Nobuyoshi
Multielement analysis of deep-sea sediments by photon activation. 359559
Sato, Osamu
Neutron radiography experiments at JRR-4, (2). 355233
Sato, S.
Safety aspects of reprocessing and plutonium fuel facilities in PNC. 370522
Sato, Sadao
Analysis of fuel performance in core Mark-III of experimental multi-purpose very high temperature reactor. (JAERI-M – 6945) 358243
Sato, Shin
The application of the spin trap, phenyl t-butyl nitrone, to the study of the γ-radiolysis of cyclohexane. 359782
The electron capture by bromobenzene in the γ-radiolyses of cyclohexane and 2,2,4-trimethylpentane. 367167
The theoretical estimation of the G-values for the ionization and excitation of thirty-eight gaseous compounds irradiated by 100 keV electrons. 359798
Sato, Shintaro
Practical superconducting generators. 355128
Review of boiling heat transfer to helium, 1. 355130
Sato, Shoichi
Operation report on the low temperature fissiochemical loop (LTFL), 7. (JAERI-M – 7246) 379840
Sato, T.
Concentration profiles of Cr, Ni and Cu implanted into mild steel. 368805
Possibility of ^{32}Si production as a by-product of ^{32}P radioisotope production process. 376239
The quantitative relationship between VLF phase deviations and 1-8 A solar X-ray fluxes during solar flares. 357543
Radio-frequency plugging of mirror and point cusp ends. (INIS-mf – 3963) 372084
Sato, Tachio
Elemental trace analysis of hepatomas and normal tissues by proton induced x-ray emission spectroscopy. 349854
Sato, Tadashi
Measurements of plasma energy losses to the wall in JFT-2. (ZAED-tr – 77/2) 350936
Sato, Takao
Power control device of reactor. 368072
Sato, Takashi
Membrane proteins of Escherichia coli K-12: two-dimensional polyacrylamide gel electrophoresis of inner and outer membranes. 357653
Sato, Takayori
Various influencing factors on the oxidation of cadmium sulfide. 359612
Sato, Teruo
Observation of disturbance in the lower ionosphere due to standard very low frequency transmission. 360204
Sato, Tomomi
Solidifying method of waste water containing radioactive oil by using cement. 368388
Sato, Tomotaro
Radiation preservation of Citrus Unshiu, 3. 349833
Sato, Y.
Improvement of the plateau characteristics of self-quenching GM counters by γ-irradiation. 363588
Sato, Yasushi
Hyperbaric oxygen therapy for x-ray ulcer. 362705
Sato, Yoshihiko
Tank of sodium cooled fast reactor. 350261
Satoh, Hitoshi
Analyses of Np and NO_2^- in the Purex process. (PNCT – 831-73-01) 349376
Satoh, Jun-ichi
Study on vertical bubbly flows using laser Doppler measurements, (1). 349978
Satoh, K.
KEK booster to main ring beam transfer system. 363142
Vacuum system for the KEK proton synchrotron. 363257
Satoh, Keisuke
Creep properties of Hastelloy X and their application to structural design. 349481
Satoh, Sadao
DREAM-FLOW: a computer program for estimating the uncertainty of channel coolant flow rates of HTGR's core with the Monte Carlo method. (JAERI-M – 7059) 355697
Study on core flow distribution of the reference core design Mark-III of experimental multi-purpose VHTR. (JAERI-M – 6894) 358263
Satoh, Shigeru
β-1,4-glucan occurring in homogenate of Phaseolus aureus seedlings. 349871
Satoh, Shinya
Convergence property of the generalized separable expansion of the two-body transition matrix and the UPA model. 359432
Satoh, Yuji
Gamma-ray transitions in ^{106}Pd following the decay of 24-min sup(106g)Ag. 354255
Satow, Takashi
Radiation effects on the species-specific cell sorting-out of the cellular slime molds. 367468
Satpathy, L.
Neutron-proton interaction and nuclear deformations. 362011
Satrova, J.
Extraction of sulfuric acid with tri-n-laurylamine in benzene. 349377
Extraction of uranyl sulfate with tri-n-laurylamine. 349332
Satta, L.
^3He production in ^4He fragmentation on protons at 6.85 GeV/c. 354154
Angular distribution measurement of the reaction $\alpha p \rightarrow {}^3He\ d$ at 3.98 GeV/c. 354147
Sattarov, M.G.
Determination of some elements using ^{252}Cf source. 375963
Satterthwaite, C.B.
Electronic structure of the thorium hydrides ThH_2 and Th_4H_{15}. 360035
Satti, J.A.
Superconducting coil manufacturing method for low current dc beam line magnets. 363335
Sattler, H.
Reaction of tungsten fluorides with quartz. 367105
Sattler, P.
The current state of the art of sodium and potassium analysis. 368231
Satya Murthy, N.S.
Reduced A-site moment in Fe_3O_4. 366452
Satz, H.
Hadron seagulls and parton jets. 353903
Quantum statistics and the uncorrelated jet model at high energy. 369289
Sauar, T.
Reactor fuel reliability constraints on power shape control. 368098
Sauar, T.O.
Nuclear fuel performance evaluation. Final report. (EPRI-NP – 409(6-77)) 363436
Sauer, E.
On the value of ECG-triggered scintigraphy of the heart's cavity. (INIS-mf – 4010) 362808
Problems in district heat supply from a boiling water reactor in a relatively sparsely populated area using the example of the KRB Gundremmingen Nuclear Power Plant. 376487
Sauer, H.H.
Observations of high-latitude protons. 351980
Study of the capability for rapid warnings of solar flare radiation hazards to aircraft. Part I. Forecasts and warnings of solar flare radiation hazards. Part II. An FAA polar flight solar cosmic radiation forecast/warning communication system study. Technical memo. (PB – 270284) 370388
Sauer, J.
Investigation of liver function with sup(99m)Tc-diethyl-IDA. (INIS-mf – 4010) 370502
Sauer, J.R.
Preliminary polarization results at Fermilab energies. (COO – 2009-128) 364571
Sauer, K.-H.
Studies on the platelet radioactive anti-immunoglobulin test. 365494
Sauer, M.C. Jr.
Formation and decay kinetics of the 2p levels of neon, argon, krypton, and xenon produced by electron-beam pulses. 378508
Kinetic study of the formation of excited States in the pulse radiolysis of gaseous xenon – iodine systems. 365049
Sauer, P.U.
Charge asymmetry and charge dependence of two-nucleon scattering. 356554
Nuclear charge asymmetry in the A = 3 nuclei. 372588
Sauerberg, K.
Evidence for the F meson. 353947
Measurements of tau decay modes and a precise determination of the mass. 372505
On the origin of inclusive electron events in e^+e^- annihilation between 3.6 and 5.2 GeV. 353772
On the semileptonic decay of charmed hadrons. 356496
Sauermann, P.F.
Shielding of fast neutrons from cyclotron targets. 354014
Sauers, I.
Reaction of Cl^+ with D_2. 366346
Sauerwein, K.
The afterloading system of Essen for the intracavitary radiotherapy. 354919
New possibilities for the use of radioactive tracers in the cement industry. 357896
Study and control of industrial procedures using short-lived radio-isotopes produced in-situ. (EURISOTOP – 106) 360579
Saugabaeva, K.M.
Permeability changes and incorporation of labelled thymidine into DNA and whole cells of the fibroblast culture of Chinese

hamsters affected by MEA and low temperature. 378959
Sauli, F.
Channeling of protons, pions and deuterons in the GeV region. 353418
Channelling effects for 15 GeV/c negative pions. 377798
Energy loss of 2-15 GeV/c particles in Si and Ge single crystals with a comparison to existing theory. (INIS-mf – 3996) 364005
Progress in high-accuracy proportional chambers. 379871
Saulnier, J.C.
Complete identification of products of the reaction $^{20}Ne + ^{12}C$ at 110 MeV. 354239
Sauls, J.
Soft x-ray spectra of boron and carbon excited by 10 to 40 MeV C, N and O ions. 348706
Saunders, B.B.
Hydroxyl radical reactivity with diethylhydroxylamine. 364951
Saunders, G.A.
An ultrasonic study of the elastic phase transition in In-Cd alloys. 357301
Saunders, G.G.
Underclad cracking in nuclear vessel steels. 365802, 367079
Saunders, M.
Isotopic perturbation of degeneracy. Carbon-13 nuclear magnetic resonance spectra of dimethylcyclopentyl and dimethylnorbornyl cations. 378387
Isotopic perturbation of resonance. Carbon-13 nuclear magnetic resonance spectra of deuterated cyclohexenyl and cyclopentenyl cations. 378388, 378389
Saunders, P.
Thermal conductivity of 1 MeV electron-irradiated Al_2O_3 between 1 and 70 K. 373387
Saunders, P.M.
Tests on flux distortion flowmeters using an analogue rig to simulate flow with a boundary layer. 366044
Saunier, G.
Superheavy Hartree-Fock calculations for magic numbers Z = 126 and 138. 354104
Saunier, N.
Researches with the tandem and the synchrotron. Chapter 1. (CEA-N – 1959) 354172
Study of some ^{16}O states at high excitation energy. 362049
Saunina, T.V.
Study on electrically active intrinsic defects in zinc telluride monocrystals. 374691
Saur, E.
Structure and superconducting properties of sputtered Nb_3Ge films. 359902
Saur, M.
Diagnostic interpretation of xenon-133-exhalation in cases of urogenital tuberculosis. 370512
Sauret, J.
Computer study of errors in the magnetic structure of the SSC's at GANIL. Determination of tolerances. (ORNL-tr – 4398) 374050
Examination of the phi/sub HF/(N) and r(N) curves for different magnetic defects taken into account in calculating tolerances on the field of GANIL sectors. (ORNL-tr – 4469) 374049
Summary table of magnetic tolerances for the CSS at GANIL. (ORNL-tr – 4393) 374052
Theoretical and numerical study of the acceleration of particles in the separated sector cyclotrons (SSC's) at the large national heavy ion accelerator (GANIL). (ORNL-tr – 4395) 374053
Saurov, M.M.
Some approaches to the problem of determining standards for population exposure due to radioactive releases from nuclear power stations. 367799
Saurwein, J.J.
Residual stress and strain examination in Peach Bottom fuel test elements. (GA-A – 14324) 352705
STAT, GAPS, STRAIN, DRWDIM: a system of computer codes for analyzing HTGR fuel test element metrology data. User's manual. (GA-A – 14274) 365945
Saus, A.
Contribution to the vibration and electronical excitation spectroscopy of dicobaltoctacarbonyl in solution. 364937
Radiation chemical addition of dimethylformamide to α-olefins. (BMFT-FB-K – 77-03) 365051
Radiation initiated telomerization of ethylene with formamide and dimethylformamide. 359774
Sauter, H.
Measuring Station Rheinhausen for heat exchange between atmosphere and rivers. (KFK – 2374) 360448
Sauteron, J.
Reprocessing of "fast" fuel in France. (IAEA-AG – 63-5) 368452
Technology of reprocessing fast-reactor fuel. 367201
Sauthoff, N.
Soft x-ray measurements on the PLT Tokamak. (PPPL – 1383) 366649
Sautter, C.A.
A study of trace element distribution in the Solvent Refined Coal (SRC) process using neutron activation analysis. 375262
Sauvage, M.
Development program and major test results for thermal insulation used in presence of sodium vapors and aerosols. (CONF-760503 – P2) 352767
Sauzade, M.
Low and high frequency applications of an easily made thin film superconducting quantum interference device (Squid). 360615
Savage, A.
The Parkes 2700 MHz survey (Thirteenth part). 361731
Savage, B.D.
Survey of interstellar molecular hydrogen. I. 351074
Savage, D.J.
Ionizing radiation and cancer. 365490
Savanin, N.K.
Calculation of heat transfer in channels of infinite quadrangular lattice of cylindrical fuel elements. (FEI – 644) 376298
Calculation of turbulent heat transfer in infinite rectangular lattice channels with cylindrical fuel elements. (FEI – 602) 357899
Savaser, A.N.
Kidney imaging on bone scintiscans compared with results of infusion urography of patients with prostate carcinoma. (INIS-mf – 4010) 357706
Savatteri, C.
Evaluation of sodium incipient superheat measurements with regard to the importance of various experimental and physical parameters. 368213
Steady state liquid metal boiling pressure drop characteristics. (CONF-761001 – P4) 362964
Transient sodium boiling characteristics at pump run down. (CONF-761001 – P4) 362963
Savchenko, O.M.
Choice of optimum conditions for X-ray spectral analysis by the method of internal standard and their application to certification of standard samples. 364903
Savchin, L.S.
Double mass spectrometer device for ion-atom collisions in intersecting beams. (INIS-mf – 3915) 350383
Elastic scattering, charge exchange and production of molecular ions on intersection of magnesium ion and atomic beams. (INIS-mf – 3915) 350343
Savel'ev, A.E.
Competition between prompt neutron and α emission from fission fragments. 349121
Savel'ev, A.F.
Physicochemical investigation into modified skeletal copper catalysts of glucose hydrogenolysis. 378347
Savel'ev, A.I.
Photography system for the "Ludmila" facility. Tape transport mechanism, gas panel and control electronics. (JINR – 13-9710) 376608
Savel'ev, B.A.
Some reactions proceeding during hydrogen reduction of boron halogenides. 359685
Savel'ev, B.V.
Application of neutron-activation and X-ray-radiometric methods for study of microelements behaviour in atmosphere. (INIS-mf – 3994) 378186
Savel'ev, G.I.
Investigation of the muonium stage of μ^+ meson depolarization in germanium. 368824
Savel'ev, N.O.
Review and discussion of the results of physical start-up investigations of WWER-type reactor cores. 350218
Savel'ev, V.B.
Small-angle x-ray camera with the use of synchrotron radiation. 376695
Savel'ev, V.F.
On hydrogen adsorption by zirconium alloys at elevated temperature. 375806
Savel'ev, Yu.A.
Application of boat method in emissive flame photometry for determination of Li, Rb, Cs, Na, K, Ca, Sr, Ba. 349182
Savel'eva, A.I.
Spectrum of high energy γ-rays at 690 Gcm^{-2} atmospheric altitude. 359089
Savel'eva, A.V.
Effect of austenite stability on mechanical properties of alloys strengthened by thermo-mechanical treatment and aging. 373280
Surface hardening of austenite steels. 378719
Savel'eva, I.G.
Some aspects of butadiene polymerization on catalytic systems containing rare earths. (INIS-mf – 4195) 375555
Saveliev, I.B.
Multielement neutron-activation analysis of plants and fertilizers. 375365
Savellano, R.A.
Gaining public acceptance for nuclear power. The Philippine approach. 370573
Public acceptance dimensions of nuclear technology transfer in the Philippines. 352246
Savelli, C.
g-factor of the 5/2 level at 40 keV in ^{45}Ti. 364751
Savenko, I.A.
Composition of penetrating radiation over the Earth atmosphere by the Kosmos 721 data. 357551
Correlation of hard x-ray source positions with globular clusters. 369037
Correlation of propagation characteristics of solar cosmic rays detected on board the spatially separated space probes Mars-7 and Prognoz-3. (KFKI – 77-38) 356242
Observation of discret sources of hard x radiation on the "Kosmos-428"satellite. 376611
On fluxes of secondary protons at Ek > 500 MeV on altitudes of 200-300 km. 376040
Pulse shape analyzer in a compound scintillation detector of an electron spectrometer. 379892
Study of coronal and interplanetary propagation of solar particles following the E45 deg solar flare on July 29, 1973. (KFKI – 77-39) 356243

Study on captured radiation on the "Kosmos-426" satellite. 4. Structure of electron fluxes on outer bound of the geomagnetic trap. 376048
Study on trapped radiation by the Kosmos-426 satellite. 378947

Savenko, V.G.
On the interaction of thorium hydroxide with alkaline earth metals- and magnesium hydroxides solutions. 357114

Savenkova, P.F.
The effect of thermodynamic conditions on the neutron-moderating characteristics of water-bearing reservoirs. 354663

Savestre, Agnes
Numerical methods in differential equations. Application to the particle trajectory calculation. (CEA-R – 4864) 371307

Savich, A.V.
Comparative radiosensitivity of amino acids during γ-radiolysis in aqueous solutions. 362258

Savin, B.I.
Study on captured radiation on the "Kosmos-426" satellite. 4. Structure of electron fluxes on outer bound of the geomagnetic trap. 376048

Savin, M.V.
Gamma rays in neutron inelastic scattering on Al and Fe nuclei at neutron energy range 0.8 – 10 MeV. (INIS-mf – 3897) 359520
Prompt neutron multiplicity in induced and spontaneous fission of nuclei. (INIS-mf – 3896) 356801
Total cross-sections of gamma ray production in neutron inelastic interaction with rhenium and lead nuclei. (INIS-mf – 3897) 356869

Savin, V.D.
Interaction between liquid magnesium and yttrium fluoride dissolved in melt of sodium and calcium chlorides. (INIS-mf – 4187) 375413
Thermochemical characteristics of interaction between yttrium and magnesium fluorides and sodium and calcium chlorides in melts. (INIS-mf – 4187) 375556

Savin, W.
Sensitivity of (α,α') cross sections to excited-state quadrupole moments. 354139, 372701

Savinets, E.A.
Application of geophysical methods for well investigations in prospecting and exploration of spar fields in Uzbekistan. 365301

Savintsev, P.P.
Thermal conductivity of molten alkali metal halide binary mixtures. (INIS-mf – 4193) 375557

Savit, R.
Topological excitations in U(1) -invariant theories. 350542

Savitskas, R.
Ultrasonic properties of potassium iodide solutions in the dioxane-water and dimethylformamide-water mixed solvents. 367119

Savitskaya, E.E.
Cyclic strength of molybdenum alloys Mo-Ti-Zr-C and Mo-B-Al-C at room temperature. 378745

Savitskij, A.A.
Formation enthalpy of melts in indium-bismuth-antimony system. 359711

Savitskij, A.V.
Investigation into Ge behaviour in CdTe. 359986

Savitskij, E.M.
Application of rhenium alloys in metallic ceramic tubes of SHF range. 351837
Effect of alloying on the properties of the MR-47-VP alloy. 351804
Effect of scale factor on durability of tungsten-rhenium alloys. 349526
Effects of a rapid quenching of superconductors. 375889
Influence of cerium and niobium small additions on hot plasticity of the Kh25t steel. 370044
Investigating the interaction of oxide cathode core of nickel-rhenium lanthanum or nickel-tungsten-lanthanum alloys with its surface coating. 357323
Investigation and processing of warm wire flattening method of molybdenum-rhenium and tungsten-rhenium alloys. 349415
Investigation of niobium monocrystals by nuclear-physics methods. 375825
Magnetic properties of niobium-titanium alloy single crystals in superconductive state. 378588
Metal diffusion in oxide cathode. 357322
Phase diagram of nickel-rhenium-molybdenum ternary alloy system. 349527
Present-day state of rhenium problem and new directions in the developing rhenium alloys. 349549
Production of niobium and niobium-germanium superconductive films by vacuum deposition. 369874
Properties of tungsten-rhenium solid solutions. 349528
Secondary electron emission from an iridium monocrystal. 375890
Some optical properties of mono- and polycrystals of molybdenum and tungsten in ultraviolet spectrum range. 357324
V-Ga-Cu system. 378725

Savitskij, G.A.
Bibliography on high-energy electron scattering by atomic nuclei (1971-1974). (KFTI – 76-31) 375136

Savitskij, V.G.
Optical absorption of vanadium pentoxide in the 1.0-5.5 eV energy range. 374700
Optical absorption of VO_2 and V_2O_3 films and possibility of forecasting semiconductor-semimetal phase transformations in transition metal compounds. 374701

Savitskij, V.I.
Dynamics of some conjugated enzymes of aminonitrogen metabolism in the liver of the irradiated body. 362685

Savitsky, V.I.
BN-350 reactor shielding studies. 368195

Savitzky, E.M.
The influence of fast quenching on phase transformations of alloys. 367221

Savkin, M.E.
Using accelerated electrons for modification of polyethylene film surfaces by the radiation grafting technique. (INIS-mf – 4194) 376288

Savochkin, Yu.P.
Equilibrium constant of oxidation of plutonium trichloride solutions by gaseous chlorine in alkali metal chloride melts. (INIS-mf – 4193) 375658
Spectrophotometric method for investigation into thermodynamics of plutonium chloride solutions in alkali metal chloride melts. (INIS-mf – 4193) 378390

Savoia, M.
Is a Bell-type inequality for nondicotomic observables a good test of quantum mechanics. 363747

Savonije, G.J.
The evolutionary history of X-ray binaries. 369104
The evolutionary history of X-ray binaries, ch. 4. (INIS-mf – 3997) 366749
Roche-Lobe overflow in X-ray binaries, ch. 2. (INIS-mf – 3997) 351075
Some aspects of evolution and mass transfer in X-ray binaries. (INIS-mf – 3997) 366749

Savor, D.E.
Process and arrangements for removing a tube from a tube plate. (German (F.R.) patent document 2615521/A/) 352475

Savosin, S.I.
Practical aspects of neutron activation analysis application in search and exploration of minerals in the USSR. 349654

Savost'yanov, V.A.
Chronospectroscopic investigation of luminescence of activated glass. (INIS-mf – 3955) 367114

Savostin, Yu.A.
Forming of disperse structure of rhenium and platinum in aluminium rhenium catalysts. 367144

Savoy-Navarro, A.
A detector for high-energy neutrino interactions. 379899
Is there a high-y anomaly in antineutrino interactions. 351222
Like-sign dimuon events produced in narrow-band neutrino and antineutrino beams. 356512
Measurement of the neutral to charged current cross section ratio in neutrino and antineutrino interactions. 361888
Observation of a neutrino event with four energetic muons. 372525
Observation of trimuon events produced in neutrino and antineutrino interactions. 356511
Study of inclusive neutral current interactions of neutrinos and antineutrinos. 369377

Savoy, C.A.
Current quarks, constituent quarks and the reactions $K^-p \rightarrow \pi deg\Lambda$ *. 361773

Savranskaya, E.S.
Effect of rhenium injection methods on emission characteristics of metalloceramic alloys. 351840

Savrin, V.I.
Behaviour of inclusive cross sections in the range of large transverse momenta and interaction singularity. 372355
Equation for density operator and scaling properties of inclusive cross section. 361764

Savu, V.
Investigation of the accuracy that can be obtained in the thermal neutron flux determination. 356532

Savukinas, A.Yu.
Multielectron excitations at argon ion-atom collisions. 377111
The perturbation of boundary conditions for differential equations of atomic theory. 377112

Savutskii, A.I.
Energy transfer in rare earth complexes at high pressures. 375605

Savutskij, A.I.
Effect of pressure and temperature on luminescence of Eu^{3+} and Gd^{3+} complexes with thenoyltrifluoroacetone. (INIS-mf – 3955) 378435
Pressure effect on optical properties of europium benzoil acetonate. 363933

Savvateeva, J.P.
Increasing of registering capacity of nuclear emulsion for autoradiography. 362545

Savvatimskij, A.I.
On the heat capacity of refractory metals near the melting point under rapid heating. 378669

Savvidi, G.K.
On the radiative corrections to classical lagrangian and dynamical symmetry breaking. 374577

Savvidy, G.K.
Infrared instability of the vacuum state of gauge theories and asymptotic freedom. 361311
Vacuum polarization induced by the intense gauge field. (EFI – 172(18)-76) 355797

Savvin, S.B.
Kinetics of some fast reactions of organic reagents with metal ions. (INIS-mf – 4192) 375558
On the nature of azo compounds, formated during synthesis of arsenazo 3. 375249

Savvin, V.A.
Theory of pulse shaping by a nonuniform forming line on an arbitrary load. (JINR – 9-9006) 357979

Sawa, G.
Anomalous luminescence from oxidized polyethylene in a high-temperature region. 351901
Sawa, Goro
Thermoluminescence of gamma-irradiated polyethylene in high temperature region. 349594
Sawa, Z.P.
Gamma-ray spectroscopy of ^{64}Zn and ^{65}Zn and the role of the gsub(9/2) orbital. 378038
Sawada, Shoji
Transverse momentum in the multiple production processes and urbaryon rearrangement model. 353829
Sawada, T.
Three-nucleon interactions and nuclear matter. 354123
Sawada, Takashi
A parametric study on reactor containment response to fuel-sodium interaction. (PNC-N – 251-76-12(vol.2)) 349901
Sawada, Yoshitaka
Measurement of acoustic velocity and attenuation in an air-water two-phase medium. 355341
Sawai, S.
Heavy-water-moderated pressure-tube reactor safety. (AECL – 5856) 362996
Sawai, Sadamu
Induction effects of advanced thermal reactor. 349994
Sawamura, Seiji
Effect of pressure on iodine complex with diethyl ether in n-heptane. 367120
Sawan, M.E.
Analysis of spray cooling of hollow rod cladding following a loss-of-coolant accident (LOCA). 376208
Sawdye, R.
Reliability requirements for admissible radiological hazards from fusion reactors. 377530
Sawicka, B.
Silicon spectrometer with a Peltier refrigerator. 355503
Sawicka, B.D.
Evidence of the electric quadrupole coupling of ^{57}Fe implanted in silicon. 371676
Sawicki, A.
Charge measuring unit of the pulsed electron beam in the Van de Graaff accelerator. 355206
Sawicki, J.A.
Evidence of the electric quadrupole coupling of ^{57}Fe implanted in silicon. 371676
Sawinski, K.P.
Moessbauer-spectroscopic studies on Au-197 in Au-Fe-mixed crystals. 359686
Sawizki, E.M.
Prospects of metal research. 354556
Sawley, M.
The nonlinear behaviour of axisymmetric hydromagnetic waves in a partially ionized plasma. (FUPH-R – 143) 356156
Sawley, M.L.
Observation of nonlinear effects in the propagation of m = 0 torsional hydromagnetic waves. (FUPH-R – 144) 356088
Sawochka, S.G.
Oxygen monitoring and control in BWR plants. 374208
PWR secondary water chemistry study. (EPRI-NP – 516) 365896
Review of power cycle water chemistry specifications for nuclear steam generators. 370891
Sawtelle, G.R.
RETRAN sensitivity studies of light water reactor transients. Final report. (EPRI-NP – 454) 365526
Sawyer, D.M.
Ap-8 trapped proton environment for solar maximum and solar minimum. (N – 77 – 18983) 351076
Sawyer, R.F.
Neutrino transport in pion-condensed neutron stars. 351077
Saxena, K.M.S.
Adaptation of the new version of the reduced tensor matrix elements (AAKP) program: inclusion of the evaluation of matrix elements of tensor products. 371530
Saxena, M.C.
Effect of iron and manganese of ^{65}Zn absorption and translocation in soybean seedlings. 376140
Electrometric study of UO_2^{2+} and Th(IV) complexes of n-butyl thioglycollate. 367121
Saxena, N.S.
Phonons in liquid rubidium. 371677
Saxena, P.C.
Utility of isotopes in watershed study. 367409
Saxena, R.K.
Filtration velocity determination by borehole dilution method in Rajasthan. 370273
Soil moisture movement and groundwater recharge by tritium tracer tagging technique. 367350
Systems approach to tracer data in groundwater hydrology. 367410
Saxena, R.N.
Directional correlation studies of gamma transitions in ^{69}Ga and ^{71}Ga. (IEA – 475) 351260
G-factors of the 264 keV and 632 keV states in ^{77}As. (INIS-mf – 4111) 364805
Multipole admixture delta(E2/M1) of gamma transition in ^{69}Ga. 354257
Multipole admixture delta(E2/M1) of gamma transition in ^{71}Ga. 354256
Saxena, R.S.
Electrometric study of UO_2^{2+} and Th(IV) complexes of n-butyl thioglycollate. 367121
Polarographic reduction of uranyl and thorium complexes of methyl-3-mercaptopropionate. 351559
Stabilities and thermodynamics of uranyl(II) and thorium(IV) complexes of 2-mercaptoethanol. 354373
Saxena, S.K.
Formation of Fe-Ni-Si planetary cores. 359158
Saxena, U.
Curious resistivity behaviour of vacuum evaporated Er, Dy and Gd films. 366462
Saxon, D.H.
Partial-wave analysis of $K^-p \rightarrow \pi^0\Lambda(1520)$ between 1710 and 2170 MeV c.m. energy including new data between 1775 and 1960. 372507
A partial-wave analysis of world data for the reaction $\pi^-p \rightarrow K^0\Lambda$ from threshold to 2350 MeV/c. 353760
Saxon, R.P.
Ab initio calculations for the X $^2\Sigma$, A ^{2}Pi, and B $^2\Sigma$ states of NaAr: Emission spectra and cross sections for fine-structure transitions in Na – Ar collisions. 350676
Photofragment spectroscopy and potential curves of Ar_2^+ . 350660
Photofragment spectroscopy and potential curves of Ar_2^+. 377084
Study of the Na-Ar systems: emission spectra and cross sections for fine-structure transitions in Na-Ar collisions. 353351
Theoretical study of molecular oxygen: collisions of O(^{1}S) with O(^{1}S). 358818
Saxton, H.M.
Urinary excretion and patterns of protein binding of iodipamide (Biligrafin forte). 365432
Sayan Dev Mukherjee
Axial-to-planar channeling transition in magnesium oxide and other systems. (INIS-mf – 3995) 377282
Sayasov, S.Yu.
An analytical approach in the theory of classical inelastic atom-diatom collisions. 371531
Sayed, E.
Levels in ^{130}Ba fed from ^{130}La decay. 354179
Sayer, B.
Electron – Cs^+-ion recombination in the presence of neutral helium atoms. 358947
Sayer, R.O.
Coulomb excitation of ^{182} ^{184} ^{186}W and ^{166}Er with ^{4}He and ^{16}O ions. 356835
Isomeric trapping following Coulomb excitation of high spin states in ^{178} ^{180}Hf. (ZfK – 336) 364780
Semi-empirical formulas for heavy-ion stripping data. (CONF-770527 – 3) 361390
Sayle, W.E.
Excitation and ionization of ions by electron impact. Technical progress report, September 1, 1976 – May 31, 1977. (ORO – 3027-38) 361355
Saylor, T.K.
K-vacancy production in heavy-ion collisions. II. Multiple- and single-collision excitation in the 2psigma molecular orbital. 350658
Multiple-collision 2p.sigma-vacancy production in heavy-ion collisions with solid targets. 353308
2p.sigma-vacancy sharing in heavy-ion collisions. 353309
Sayre, E.V.
Thermoluminescence, a method for determining the date at which a ceramic object was fired. (BNL – 22811) 351454
Sayre, W.W.
Transverse mixing characteristics of the Missouri River downstream from the Cooper Nuclear Station. (IIHR – 145) 352290
Sayyid, S.
A detailed study of the quadrupole mass filter operating with no d.c. component on the rods. 379977
Sazanov, A.I.
High-current generator of nanosecond pulses of electrons and bremsstrahlung. 370746
Sazdjian, H.
Meson decay constants and bare quark masses from duality for current two-point functions. 364549
Sazhin, A.N.
Graphite fracture toughness testing technique. 358022
Sazonov, L.A.
On mechanism of homomolecular isotopic exchange reaction of O_2 on the surface of lanthanum oxide irradiated in vacuum. 373045
Sazonov, S.B.
Amplitude and phase modulation of Moessbauer radiation. (IAE – 2563) 348859
Sazonov, S.P.
Measurement of neutron importance by a dynamic method. 376408
Sazonova, N.N.
Investigation of iron-bismuth-molybdenum catalysts. 378429
Sazonova, S.A.
Aluminium-yttrium garnet phonon spectrum. 361480
Phonon spectrum of aluminium-yttrium garnet. (INIS-mf – 3955) 377306
Sazonova, S.I.
Electric conductivity of germanium-plumbium-borate glasses. 349577
Sazonova, T.E.
The LX-, LX coincidences in the sup(71)Ge and sup(109)Cd decays. 377057
Sazonova, T.N.
Heat treatment of large forged products of the VT3-1 titanium alloy. 369898
Sazonova, V.F.
Some transition metal oxides as stabilizers of tributyl phosphate

emulsions. 378402
Sbitneva, M.F.
Effectiveness of automyelotherapy of irradiated dogs depending on the number of transplanted cells. 376110
Sbitnikova, I.S.
Some characteristics of ohmic heating plasma in the L-2 stellarator. (INIS-mf – 3963) 371712
Sborshchikov, V.G.
Short-period variations of the cosmic ray intensity. 357526
Sbytov, Yu.G.
Interaction of plane gravitational waves. 368589
Scadron, M.D.
Current algebra and the eta sub(3π) decay. 369314
On the sign of the rho-ω mixing charge asymmetric NN potential. 354057
Scaiano, J.C.
Absolute rates of hydrogen abstraction by tert-butoxy radicals. 378403
Role of biradical intermediates in the photochemistry of o-methylacetophenone. 378404
Scailteur, A.
A novel design for PWR pressure vessels. 352654
Scala, R.H.
Carbonate leach uranium ore processing with sodium polyacrylate flocculant. (US patent document 4,024,216/A/) 351687
Scalabrin, A.
Improvement of Brout model for ferroelectric crystals. 353444
Scalambrin, F.
Pressure measurements for the ISR at CERN. 370755
Scalano, J.C.
Photochemistry of phenyl alkyl ketones. The lifetime of the intermediate biradicals. 378405
Scalapino, D.J.
Microwave power gain utilizing superconducting resonant energy storage. 370717
Scaletti, J.V.
Radiosensitivity of defined populations of lymphocytes. VI. Functional, structural, and biochemical consequences of in vitro irradiation. 362624
Scalo, J.M.
Frequency distribution of $^{12}C/^{13}C$ ratios in G – K giants and carbon stars. 351078
Sputtering by fast electrons. 353483
Scandale, W.
Extraction from the CERN SPS. 363148
Scanlon, P.J.
Multiple scattering of 55 keV ^{29}P ions in silicon. (INIS-mf – 3996) 364060
Scannicchio, D.
Description and performance of MEA, the magnetic detector at ADONE. 379480
Scarabucci, R.R.
Worldwide mapping of vlf intensities generated by a ground transmitter. 362616
Scarano, G.
Influence of the axial distribution of heat flux on sodium boiling in forced convection. (CONF-761001 – P4) 362980
Scarbrough, E.C.
Steady-state temperature and stress distributions of a proposed LAMPF pyrolytic graphite pion production target. (LA – 6936-MS) 374072
Scarf, F.L.
A plasma wave investigation for the Voyager Mission. 374956
Wave-particle interaction phenomena associated with shocks in the solar wind. 372260
Scarlat, F.
Some parameters on an electron accelerator powered by a laser beam. 363336
Scarpello, J.H.B.
Appraisal of the ^{14}C-glycocholate acid test with special reference to the measurement of faecal ^{14}C excretion. 360385
Scarpinella, C.A.
Oil shales and the nuclear process heat. (IEA-TI – 35) 352908
Schaaf, A. van der
An in-beam Ge(Li)-NaI(Tl) Compton suppression spectrometer. 355502
A new upper limit for the decay $\mu^+ \rightarrow e^+\gamma$. 369383
Schaaf, B. van der
Elastic-plastic analyses of round hour-glass shaped creep-fatigue interaction specimens under tension in comparison with experimental results. (IWGFR – 11) 355224
Schaaf, R.
Comparative investigation of various types of ion exchange resins with qualities permitting their use in nuclear engineering. 367122
Schaaf, T.F.
Core electron binding energies cyclotriphosphazenes and cyclotetraphosphazenes. 367068
Schaal, M.
Near-term feasibility of nuclear reactors for seawater desalting. Coupling of standard condensing nuclear power stations to low-grade heat multieffect distillation plants. 371213
Schabert, H.P.
Nuclear power plant with CO_2 cooling system. (German (F.R.) patent document 1614620/C/) 355431
Nuclear power plant with spherical containment. 355408
Nuclear power plant. (German (F.R.) patent document 2528825/A/) 355340, 355405, 355406, 355407
Nuclear power station with a spherical containment shell. (German (F.R.) patent document 2244563/B/) 355312
Nuclear reactor control rod drive. (German (F.R.) patent document 1813293/B/) 355356
Nuclear reactor facility. (German (F.R.) patent document 2430724/A/) 358079
Pressurized water reactor. (German (F.R.) patent document 2430765/C/) 350234
Pressurized-water reactor. (German (F.R.) patent document 2430725/A/) 365897, 368159
Schachinger, E.
Solution of time-dependent Ginzburg-Landau equations for an external time-variable magnetic field. 356371
Schachner, E.
Early evaluation and diagnosis of vascular impairment of flaps using ^{99}Tc sodium pertechnetate – an experimental and clinical model. (INIS-mf – 3663) 354897
Schacht, W.
Examinations on the specific effect of low doses of ionizing radiation on the seed of cultivated plants. 4. 373506
Schachter, L.
The determination of power distribution in the IRT-M modified core of the VVR-S reactor by using an experimental bundle. 358044
Schad, N.
Regional left ventricular motion in coronary heart disease. (INIS-mf – 4010) 362834
Schade, E.
Inelastic collisions of metastable He* on He at impact energies between 1000 and 1400eV. 358787
Inelastic collisions of metastable helium on helium at impact energies between 1000 and 5000 eV. 361380
Schade, J.
Dynamic behaviour of the KNK-II core on operation. 371023
Schaecke, B.
On the control of irrigation through soil moisture measurement using a neutron depth probe in horizontal subsurface measuring circuits. 373422
Schaecke, E.
On the control of irrigation through soil moisture measurement using a neutron depth probe in horizontal subsurface measuring circuits. 373422
Schaedel, M.
Charge-asymmetry equilibration in the reaction of $^{129\ 132\ 136}Xe$ with ^{197}Au near the interaction barrier. 366989
Schaefer, A.
MULTIPOL – a code for coarse-mesh approximation of the static multigroup diffusion equation in three dimensions. 350118
Schaefer, F.P.
Enrichment of chlorine isotopes by selective photoaddition of iodine chloride to acetylene. 367869
Schaefer, G.
On the origin of matter in the universe. Pt. 2. 374957
Schaefer, H.E.
Formation and migration energies of monovacancies in tantalum. 351776
Schaefer, H.F. III
Electron correlation effects on the excitation energies of the lowest triplet states of glyoxal. 350467
Metal – carbene complexes and the possible role of hydroxycarbene in formaldehyde laser photochemistry. 378332
Molecular electronic structure theory: 1972 – 1975. 363919
Structure and energetics of simple carbenes CH_2, CHF, CHCl, CHBr, CF_2, and CCl_2. 378210
Schaefer, K.
Licensing procedures according to the Federal Act Protection Against Nuisances. 366186
Schaefer, L.
Creep behaviour of the austenitic steel 1,4970 during and after neutron irradiation in the BR2 plant. 370240
Reactor materials investigations and development. (KFK – 1277/2) 371052
Schaefer, M.
High precision localization methods for HZE-particles. 360251
Investigation on depressurization in the primary circuit of a pebble bed high-temperature reactor after break of the main coolant duct. (Juel – 1404) 355435
Schaefer, R.W.
Calculations of void streaming in the Argonne gas-cooled fast reactor critical experiments. 374275
Comparison of neutronics calculations in a loss-of-flow accident. (CONF-761001 – P2) 365600
Schaefer, W.
Costal osteoradionecrosis as rare complication in conventional deep therapy of mamma carcinoma. 354820
Magnetic structure and magnetic properties of TbMg. 362479
Schaeffer, M.
Strange particle production by antineutrinos. 356505
Schaeffer, R.
Environmental effects of time distribution of releases. 360477
Neutron densities from 1 GeV proton scattering. 372727
Schaeffer, W.
Gamma-ray transition probabilities in ^{91}Nb. 362101
Schaeffner, P.
Fuel rod behaviour in the refill and flooding phase of a LOCA. (AED-Conf – 77-403-003) 376210
Investigations of the fuel rod behavior in the low pressure phase of a LOCA and of the interaction between ballooning Zircaloy claddings and emergency core cooling. (KFK – 2435) 358203
Schaegger, P.
Distribution of ^{201}Tl and of ^{85}Sr microspheres in dog's myocardium after temporary experimental ischemia. (INIS-mf – 4010) 362790

Schaenzler, L.
Measurements of energy spectra and doses in liquid air of neutrons from a californium-252 source. 372556
Schaer, E.
Methodological problems relative to the measurement of the density and width of growth rings by X-ray densitogrammes of wood. 365785
Schaer, R.
Damage of graphite surfaces resulting from ion bombardment, studied by means of electron microscopy. Raman- and x-ray photoelectron spectroscopy. 370233
Schaerf, C.
Photonuclear reactions. Pt. 1. 349102, 349106, 349107, 349115, 349128, 349138, 349147
Photonuclear reactions. Pt. 2. 349108, 349131, 349144, 349148
Schaetzler, H.P.
On the movement and distribution of calcium in white cabbage in dependence of the water status. 362590
Schaf, J.
G-factors of the 264 keV and 632 keV states in ^{77}As. (INIS-mf – 4111) 364805
Schafer, J.F.
Guidelines for the production, evaluation, and use of induced resistance to stripe rust in wheat. 373720
Schaferlingova, W.
Yields of nuclear reactions for the production of radiopharmaceuticals ^{18}F, ^{43}K, ^{67}Ga, ^{111}In and ^{123}I with charged particles. (UJF – 4199-B) 377969
Schaffer, S.
Use of CO-N,β-detectors for power density measurement in PWR reactors; operational experience; long-term behaviour. 370904
Schaffhauser, R.
Functional scintigraphy of salivary glands with ^{123}I and sup(99m)TcO_4. (INIS-mf – 4010) 367596
Problems with the determination of TSH-levels and with the TRH-test in routine diagnostic procedures. (INIS-mf – 4010) 370500
Schafstall, H.G.
Nuclear merchant ship propulsion. 366002
Schaftstall, H.G.
Nuclear ships: engineering a future transport system. 379849
Schaich, W.L.
Theory of neutral atom scattering at long range from metal surfaces. 358785
Schaief, C.C. III
Coincidence logic modules for criticality alarming. (ARH-LD – 151) 374038
Schaik, F.J. van
Static neutron depolarization measurements of ferromagnetic domain structures in a FeSi picture frame crystal. 361470
Schaik, N. van
Electron density and electron temperature in a neon plasma generated by 20-MeV protons. 371797
Transfer of excitation between 2p levels of neon induced by collisions with neutral neon atoms. 371472
Schall, M.
Results and evaluation of blowdown experiments in a model containment with a number of compartments. 370936
Schallar, K.H.
Test facility for large-diameter bellows. (IWGFR – 11) 355234
Schaller, K.H.
Erosion by cavitation in the diffuser of a mechanical pump. (IWGFR – 9) 350097
Methods of analysis in the structural design of LMFBR components – French practice. (IWGFR – 11) 355475
Schaller, L.A.
Precision test of vacuum polarization in heavy muonic atoms. 371477
Test of vacuum polarization with muonic atoms. 377005
Schaller, M.
Experimental investigations on the immunity development in irradiated mice after local and parenteral immunization with tetanus-toxoid. 354767
Schamaun, J.T.
Container damage correlation with impact velocity and target hardness. 350007
Schamel, H.
Finite amplitude envelope solitons. 350937
Ion acceleration in resonance absorption experiments. (INIS-mf – 3963) 372014
Soliton flash, turbulent ion heating, and relaxation oscillations in strong Langmuir turbulence. 366532
Schankula, M.H.
Performance of highly rated UO_2 fuel in the WR-1 organic-cooled reactor. (AECL – 5399) 361008
Schans, G.P. van der
Gamma-ray induced double-strand breaks in DNA resulting from randomly-inflicted single-strand breaks. 378977
Schanz, G.
Investigation of the high temperature steam oxidation of zircaloy 4 cladding tubes. (KFK – 2435) 357299
Nuclear acoustic resonance in liquid gallium. 371694
Schapira, J.P.
Deeply bound hole states and isobaric analog states in ^{89}Zr. 354191
Neutron-hole strengths and isobaric analog states in ^{95}Zr. 354190
Proposal for a large angular acceptance solenoid to detect charged particles at forward angles. (IPNO-PhN – 77-14) 361053
Spectroscopic study of ^{55}Co via the ^{54}Fe(tau,d)^{55}Co and ^{54}Fe(tau,dp(tilde))^{54}Fe reactions. 354186
The zero degree detection system of the Orsay MP tandem: description and experimental results. 358389
Schaposinik, F.
The role of pseudoparticle configurations in the Schwinger model. 371412
Scharbach, P.N.
The asymptotic behaviour of the chiral non-symmetric structure functions in non-abelian gauge theories. 356430
Schardt, D.
New neutron-deficient tellurium, iodine, and xenon isotopes produced by reactions of 290 MeV ^{58}Ni ions on ^{58}Ni and ^{63}Cu targets. 364793
Scharenberg, R.P.
Quadrupole moment of the first excited 2^+ state of ^{18}O. 351424
Scharer, J.E.
Mode conversion of the fast magnetosonic wave in a deuterium-hydrogen tokamak plasma. 350876
Scharf, W.
Medical sterilization with accelerators. 367711
Radiotherapeutic acclerators. 355207
Scharfer, U.
Charge distributions of sulfur ions at energies between 70 and 140 MeV. 361391
Scharlemann, E.T.
Potential drops above pulsar polar caps: acceleration of nonneutral beams from the stellar surface. 364320
Scharmann, A.
Angular distributions of atoms sputtered from polycrystalline FCC- and BCC-metals. 356047
Collision induced production of H* (2p) and H* (2s) from H_2 by fast ions. 353262
Excitation of the Werner band system of H_2 by fast ions. 353263
Fast neutron dosimetry by track detection with cellulose nitrate films. 368305
Identification of thermoluminescence traps in $CaWO_4$ and $BaWO_4$ by EPR measurements. 364035
Ultrahigh vacuum investigations on the exoelectron energy distribution of NaF-surfaces. 363970
Scharmer, K.
German-Brazilian co-operation on fuel irradiation. 370149
Is the nuclear controversy transferred by transferring nuclear technology. 355000
Scharnberg, K.
Comment on the residual rf surface resistance of superconductors. 352389
Scharnhoop, H.
Judicial problems in connection with the decommissioning of nuclear facilities. 352986
Scharpenseel, H.W.
Radiocarbon dating of soils, a review. 365296
The search for biologically inert and lithogenic carbon in recent soil organic matter. 357500
Scharre, D.L.
Baryon exchange reactions in π-p scattering at 4 GeV/c. (LBL – 6149) 361895
Schartner, K.H.
Collision induced production of H* (2p) and H* (2s) from H_2 by fast ions. 353262
Excitation of the Werner band system of H_2 by fast ions. 353263
Schatten, K.H.
Time variations of the angular momentum of the sun. 359159
Schatz, G.
Nuclear radii and magnetic moments of ^{128}/sup ,/^{131}Ba from high-resolution laser spectroscopy. 351399
Schatz, G.C.
On self-consistent and stochastic treatments of V-T energy transfer in collinear atom-diatom collisions. 353352
Schatz, H.
Release of immunoreactive and radioactively prelabelled endogenous (pro-)insulin from isolated islets of rat pancreas in the presence of exogenous insulin. 349813
Schaub, J.A.
The Coulomb – projected Born approximation with variable charge. 353353
Schauer, D.A.
Thermal and dynamic effects in electron beam welding cavities. (UCRL – 52331) 373151
Schauer, G.
Refined stress analysis of PWR containments in the region of penetrations. (AED-Conf – 76-747-006) 355409
Schauerhammer, R.
State of the art of fusion research: altainments and problems. 359011
Schaufelberger, R.H.
Irradiated concentrate of wax and special mixed polymers, its preparation and processing. (German (F.R.) patent document 2336745/B/) 367161
Schcherbina, E.V.
Concentration and temperature dependence of quantum yield of roentgenoluminescence of LaF_3-rare earths monocrystals. (INIS-mf – 3955) 362157
Schechter, D.E.
Development and testing of the ORNL/PLT neutral beam lines for the Princeton Large Torus. (CONF-771029 – 108) 371801
DuoPIGatron ion sources for PLT injectors. (CONF-771029 – 63) 372064
Impurity studies experiment/ORMAK-upgrade neutral beam systems. 377547
Schechter, J.
Gauge boson mixing in an SU(3) x U(1) theory. 353842
Monopole theories with strings and their applications to meson

states. 353036
Schechter, M.
Wave operators for oscillating potentials. 371430
Schechtman, B.H.
Properties of polysulfurnitride. (INIS-mf – 4127) 365228
Scheck, F.
Particle physics and exotic atoms. 356458
Scheckel, B.
Investigations of the influence of oxide fuel and fission products on the mechanical properties of Zry-cladding tubes under accident conditions. (KFK – 2435) 358189
Scheepers, G.L.M.
Possible solar eclipse effect 23 October 1976, and reply by Lilley, F.E.M.; Woods, D.V. 367438
Scheepmaker, A.
Observations of Cygnus X-3 from a balloon-borne x-ray telescope. (CONF-7510169 –) 364396
Scheetz, B.E.
Raman spectroscopic characterization of defect character in rare earth pyrochlores. 357381
Scheetz, E.J.
Westinghouse seeks minimum costs with maximum reliability. 352660
Scheffels, V.
Accelerating tube. (Soviet patent document 412699/A/) 355208
Scheffler, K.
Lab-scale and pilot-plant experiments on the solidification of high-level wastes at the Karlsruhe Nuclear Research Centre. 358483
Long term leaching of silicate systems: testing procedure, actinides behaviour and mechanism. (KFK – 2456) 354352
Scheib, U.
The (d, dsub(1)) vector analysing power of the reaction ^{24}Mg(d,dsub(1)) and the Dsub(1-γ) angular correlation. 359521
Alpha-gamma angular correlations in the reaction ^{24}Mg(α,α$_1$γ) at Esub(α) = 104 MeV. 354181
Scheibe, E.
Precipitation of gold in silicon. 370210
Scheibe, W.
Effects of irradiation on the fatigue behaviour of the structural material 1.4948 (X6 CRNI 18 11). 370211
Scheibel, H.G.
Measuring method to determine low Rn-exhalation rates from solid materials. (AED-Conf – 76-530-009) 357848
Scheibling, F.
Pre-equilibrium alpha emission accompanying deep-inelastic ^{16}O + ^{58}Ni collisions. 354207
Scheid, W.
The ^{16}O(^{16}O, ^{12}C)^{20}Ne reaction in the framework of the coupled channel formalism. 354080
Theory of fragmentation dynamics in nucleus-nucleus collisions. 375108
Scheidecker, R.W.
Refractories based on $3Er_2O_3 - Ta_2O_5$. 360036
Scheidemann, O.
Decay studies of some nuclei around Z = 50: sup(106 m)Ag, sup(103, 119, 121)Cd. (INIS-mf – 3946) 362070
Scheidl, H.
Crack growth and fatigue fracture of ferritic and ferritic-pearlite steels. 349491
Scheinman, L.
International safeguards problem. 366204
Safeguarding reprocessing facilities: the impact of multinationalization. 373126
Schelbert, H.R.
Investigation of ^{18}F-2-deoxyglucose for the measure of myocardial glucose metabolism. (UCLA – 12-1142) 379114
Review of radionuclide techniques for the evaluation of regional myocardial perfusion and ventricular function in patients with ischaemic heart disease. 354915
Schelenz, R.
Dietary intake of 25 elements by man estimated by neutron activation analysis. 378161
Scheler, J.
Thermodynamical calculations and design for a vessel-cooling of a HTR constructed of prestressed cast-steel segments with a thermal power of 3,000 MW(th). (Juel – 1441) 355436
Schell
Low energy neutron inelastic scattering. (BNL-NCS – 22500) 356834
Schell-Frederick, E.
Phagocytosis-induced ^{45}calcium efflux in polymorphonuclear leucocytes. 354830
Schell, D.H.
Fabrication of graphite matrix fuel for pulsed reactors. (LA-UR – 77-465) 350274
Irradiation test OF-2: high-temperature irradiation behavior of LASL-made fuel rods and LASL-made coated particles. (LA – 6988-MS) 374229
Schell, W.R.
Biogeochemistry of Transuranics, Bikini. Annual progress report, 26 February 1976 – 25 February 1977. (RLO – 2225-T18-20) 373447
Schellenberg, L.
Precision test of vacuum polarization in heavy muonic atoms. 371477
Test of vacuum polarization with muonic atoms. 377005
Schelling, T.C.
Promise and the curse: both economic and military logic point to a worldwide U.S. nuclear-energy role. 351695
Schelonka, E.P.
Availability analysis for high reliability computer systems in nuclear facilities. (LA-UR – 77-1394) 358590
Schelten, J.
Studies of voids in neutron-irradiated aluminium single crystals. 357417
Schenck, A.
Depolarization of positive muons in Cu. 377172
Knight shift measurements by spin rotation of positive muons (μ$^+$SR) in ferromagnetic Ni. 377173
Positive muons in copper: Detection of an electric-field gradient at the neighbor Cu nuclei and determination of the site of localization. 363875
Schenk, H.
Experience with plutonium recycle fuel for large light-water reactors in the Federal Republic of Germany. 368095
Schenk, H.J.
Method for recovering uranium from sea water. (Juel – 1415) 354694
Schenk, K.
Operating experience with 13 light-water reactor in Europe. 363448
Schenk, W.
The high-temperature behaviour of unirradiated and irradiated fuel particles in HTR fuel elements. 370981
Post-irradiation annealing processes for spherical fuel elements and other fuel samples. (Juel – 1454) 367992
Recent findings on fission product release from a 3000MW(th) pebble-bed reactor in case of accidents with unchecked core heat-up. 370955
Schenkel, R.
Electric resistivity of 241-americium and 244-curium metals. Creation of F_i defects and isochronous annealing of 241-americium metal after self-irradiation. (EUR – 5674) 360119
The electrical resistivity of ^{241}Am metal. 354557
Schenter, R.E.
Application of least-squares method to decay heat evaluation. (HEDL-SA – 1248) 362021
Calculated neutron capture cross sections to the americium ground and isomeric states. 356627
Fission-product source terms for reactor applications. (LA-NUREG – 6917-MS) 367999
HEDL evaluation of actinide cross sections for ENDF/B-V. (HEDL-TME – 77-54) 372790
Method of detecting leakage of reactor core components of liquid metal cooled fast reactors. (US patent document 4,033,813/A/) 374250
Trends in theoretical calculation of dosimetry and gas production cross sections for FBR's, LWR's, and MFE's. (HEDL-SA – 1269) 379533
Uncertainties in fission product decay-heat calculations. 352447
Schepilov, V.D.
Low pressure discharge at ECR in the magnetic bottle. (INIS-mf – 3963) 371820
Schepkin, M.G.
Radial excited mesons in the MIT bag model. (JINR-D – 1,2-10400(v.1)) 377744
Scherberg, N.
Iodination-deiodination. 351621
Scherer, E.
Inner-shell ionization in symmetric ion-atom collisions at MeV energies. 353335
Scherer, U.
Comparison of results obtained by scintigraphy and by computerized tomography of patients with liver diseases. (INIS-mf – 4010) 362835
Scherk, J.
Algebraic simplifications in supergravity theories. 353063, 358652
Grand unified schemes and spontaneous compactification. 353827
Modified interaction of the scaler multiplet coupled to supergravity. 350494
Scherm, R.
Experimental studies of the excitation spectrum of ^{3}He – ^{4}He mixtures using neutron inelastic scattering. 351119
Schermann, J.-P.
Processes for electronless plasma generation. 353510
Schermerhorn, L.J.G.
Sr isotopic homogenization through whole-rock systems under low-greenschist facies metamorphism in carboniferous pyroclastics at Aljustrel (Southern Portugal). 373417
Scherpelz, R.I.
Technique for rapid analysis of uranium in porcelain dentures. 359545
Scherpenzeel, D.E.C.
Lifetime measurement of ^{22}Ne(4,*) with the high-velocity coincidence DSA method. 377987
Scherrer, P.H.
Comparison of Hα synoptic charts with the large-scale solar magnetic field as observed at Stanford. 372153
The mean magnetic field of the Sun: observations at Stanford. 366750
Scherrer, W.
Relativistic gravitation energy. 366298
Schery, S.D.
Activation and angular distribution measurements of ^{7}Li(p,n)^{7}Be (0.0 + 0.429 MeV) for Esub(p) = 25-45 MeV: a technique for absolute neutron yield determination. 367003
Scherz, U.
Temperature dependence of the EPR spectrum of ruby. 374727
Scherzer, B.M.U.
Depth profiling of implanted ^{3}He in solids by nuclear reaction and Rutherford backscattering. 362546

Scherzer, R.
Fast neutron radiography for extended objects by a plastic detector technique. 368273
Spallation products induced by energetic neutrons in plastic detector material. 366887
A spatial track formation model and its use for calculating etch-pit parameters of light nuclei. 368324
Scheuer, H.
Magnetic small-angle scattering of neutrons on dislocations in a nickel monocrystal after plastic deformation. (Juel – 1442) 356053
Scheuer, P.A.G.
The physics of radio sources and cosmology. 366751
Scheuerpflug, W.
Seal for objects containing nuclear fuels. (German (F.R.) patent document 2355608/B/) 353011
Scheunert, M.
Elementary construction of graded lie groups. (BONN-HE – 77-13) 374585
Scheuten, G.H.
Reprocessing as an activity of industry. 361166
Topical problems in reprocessing nuclear fuels. 354478
Schiager, K.J.
Radwaste radium – radon risk. (ORP/CSD – 77-2) 374395
3R-WL air sampling survey meter. (HASL – 325) 378943
The 3R-WL working level survey meter. 371129
Schiavello, M.
The catalytic activity of several tungsten oxides for the oxidation of propene. 351483
Schiavi, R.
Ionic thermoconductivity in CdF_2 doped with trivalent europium. (INIS-mf – 4127) 363974
Schiavon, M.
Blocking of s-triazine molecules by organic matter. 357669
Schiavon, P.
Reconstruction of the momentum of a particle moving in an axially symmetric magnetic field. 358344
Schiavone, J.A.
Electron-impact excitation of helium: Cross sections, n, and l distributions of high Rydberg states. 350677
Schiavuta, E.
Description and performance of MEA, the magnetic detector at ADONE. 379480
Schicha, A.
Model analysis of several methods used in nuclear medicine for the measurement of myocardial perfusion. (INIS-mf – 4010) 362838
Schicha, H.
Application of radioactive tracers for the assessment of lymph drainage of the inner eye. (INIS-mf – 4010) 370439
Behaviour of trace element concentration in human organs in dependence of age and environment. 375327
Experiments on the influence of non-system parameters on the tracer dilution curve. (INIS-mf – 4010) 363096
Investigation of lymph drainage of the rabbit's orbita with different lymphotropic radioactive tracers. (INIS-mf – 4010) 370448
Radiocardiographical investigations on the influence of ethanol on the ejection fraction in healthy persons. (INIS-mf – 4010) 362836
Right and left-ventricular function before and after aorto-coronary bypass surgery. (INIS-mf – 4010) 362823
Schick, P.
Experimental investigations on the immunity development in irradiated mice after local and parenteral immunization with tetanus-toxoid. 354767
Schiebel, U.
Projectile K x rays from Si^{12+} ions in the 1s2s $^3S_1$ metastable state incident on helium gas. 358819
Schieber, D.
Field switching in the presence of superconducting material. 372342
Schiegl, W.E.
Mevatron 20 – medical linear accelerator with a special radiation quality. (AED-Conf – 77-133-009) 352350
Radiotherapy today: tasks and technology – aspects of the establishment of a radiotherapy department. 360577
Schier, W.A.
Cross sections, angular distributions, and magnetic substate populations in the $^{23}Na(n,n'\gamma)$ reaction. 364764
Schierhold, P.
Stainless Steels. 365124
Schierholz, G.
Decoupling of higher vector mesons and charmed meson production in e^+e^- annihilation. 353858, 375035
Dynamical theory of quark confinement and the hadron spectrum. 353753
Schiewer, E.
Fission products in glasses. Pt. 2. (HMI-B – 218) 367287
Fixation of fission products in glass ceramics. 358478
Schiff, H.
A classical field model for charged particles. 361832
Schiff, J.A.
Studies of sulfate utilization by algae. 17. 354969
Schiffer, J.P.
Channeling of positive and negative pions in a silicon crystal. (CONF-770931 – 5) 375092
Energetic charged particle yields induced by pions on complex nuclei. 359494
Fusion cross section behavior for light systems. (CONF-770968 – 7) 372784
Fusion of ^{16}O + ^{40}Ca. (ANL – 77-60) 377995
Gamma rays from pion-induced reactions. (ANL – 77-60) 378008
Introductory talk, international conference on nuclear structure. Session I. (CONF-770968 – 8) 372547
Schifferdecker, W.
Chemistry of ternary tungsten hexahalides. 372980
Reaction of tungsten fluorides with quartz. 367105
Schiffers, A.
Large wet-type cooling towers and their influence on the environment. 365601
Schiffmacher, G.
High resolution lattice imaging of rare earth sesquioxides. 357255
Schiffmann, H.
Radiocarbon dating of soils, a review. 365296
Schiffrer, G.
A convergent algorithm for nuclear structure calculations. 355836
Schikarski, W.
Measuring Station Rheinhausen for heat exchange between atmosphere and rivers. (KFK – 2374) 360448
Sand filters as high efficiency aerosol filters in nuclear plants. 360493
The upper Rhine waste heat project. (INIS-mf – 4095) 365335
Schikarski, W.O.
State of the art in aerosol modelling for LMFBR safety analysis. (CONF-761001 – P4) 363010
Schilcher, K.
Non-leptonic K decay rate in terms of spectral function integrals. (IC – 76-86) 361300
Schild, A.
Classical null strings. 371431
Schild, R.E.
Photometric peculiarity index in the Ap stars. 372170
Schildberg, F.-W.
Comparison of results obtained by scintigraphy and by computerized tomography of patients with liver diseases. (INIS-mf – 4010) 362835
Schildknecht, H.
Structure determination of organic compounds by 'electron pyrolysis'. Pt. 6. 367030
Schill, R.
Irradiation creep of two reactor-grade graphites measured continuously between 850 and 1100°C. 370170
Schill, Roland
Iron ore and graphite acoustic emission. (CEA-CONF – 4029) 370787
Schillaci, M.E.
Measurement of the depolarization rate of positive muons in copper and aluminium. 358874
Some recent results on μ-transfer in systems with bound hydrogen. (LA-UR – 77-1266) 361371
Schiller, H.
The effect of resonance production on angular correlations. 353935
Schiller, S.
Comparison between electron beam evaporation and high-rate sputtering with the plasmatron. 377283
Schilling, G.
Development and use of 60 kV, and 150 kV floating deck modulators for high voltage protection of multi-megawatt ion beam accelerators. (CONF-771029 – 67) 371735
Modulators for high power neutral beam systems. (EPRI-ER – 376-SR) 361609
Neutral beam injection and ohmic heating switch needs for a tokamak experimental power reactor. (EPRI-ER – 376-SR) 361529
ORNL 150 keV neutral beam test facility. (CONF-771029 – 66) 371859
Schilling, H.
Depolarization of positive muons in Cu. 377172
Forward photoproduction of neutral pions on polarized protons in the third resonance region. 366890
Forward photoproduction of neutral pions on protons in the third resonance region. 353971, 364582
Knight shift measurements by spin rotation of positive muons (μ⁺SR) in ferromagnetic Ni. 377173
Positive muons in copper: Detection of an electric-field gradient at the neighbor Cu nuclei and determination of the site of localization. 363875
Schilling, J.-G.
Determination of chlorine in silicate rocks by neutron activation analysis. 364924
Simultaneous determination of gallium and germanium in igneous rocks by neutron activation. 364840
Schilling, J.S.
LaAg under hydrostatic pressure: superconductivity and phase transformation. 359980
Schilling, K.
Solution of the statistical bootstrap with Bose statistics. 351155
Schilling, K.D.
Higher-order phonon admixtures in odd-odd deformed nuclei. (ZfK – 336) 364734
Nanosecond isomers in the doubly-odd N = 89 nucleus ^{152}Eu. (ZfK – 336) 364733
Rotational bands and a high-spin isomer in ^{178}Ta. (ZfK – 336) 364765
Schillinger, K.
Influence of the composition of radionuclide mixtures on the maximum permissible concentration. (TU-Inf – 05-41-75) 349909
Schilly, P.
A detector for high-energy neutrino interactions. 379899
Schimidt, M.G.
Hadron scattering in two-dimensional QCD. II. 364483

Schimko, R.
The diffusion of ion-implanted zinc in GaAssub(1-x)Psub(x). 350760
Schimmel, W.P. Jr.
Computational and experimental methods for enclosed natural convection. (SAND – 77-0645) 379531
Effective thermal diffusivity for a multimaterial composite laminate. 360050
Problems of heat transfer within the containing vessel of high performance LMFBR spent fuel shipping casks. 350029
Theory for in-situ thermal diffusivity measurement of thin films by a radial heat flow method. 373179
Schimmerling, W.
Bevalac Minibeam Facility. 363337, 374083
Schimpff, F.
Aspects of the design of earthquake-resistant support constructions for pressure vessels. 370819
Schindewolf, J.
Operational tests. 376584
Schindl, K.
Method for increasing the multiturn injection efficiency in AG proton synchrotrons by means of skew quadrupoles. 363338
Schindler, E.
A contribution to the radiotherapy of pinealomas: course controls by computer tomography. (AED-Conf – 77-395-004) 370503
Diagnostic value of computerized tomography for the radiotherapy of cerebral tumors. (AED-Conf – 77-395-006) 370479
Schindler, R.
Distinguishing between radiation damage models by electron microscope studies of ion damage in metals. 370212
Schindler, R.E.
Development of a fluidized-bed calciner and past-treatment processes for solidification of commercial fuel-reprocessing liquid wastes. (ICP – 1136) 380023
Schindler, R.H.
D meson production and decay in e^+e^- annihilation at 4.03 and 4.41 GeV c.m. energy. 353989
Intermediate structure studies of ^{234}U cross sections. (INIS-mf – 3896) 356792
K^0 production in e^+e^- annihilation. 353983
Schindler, R.N.
An ESR investigation of the vanadium pentoxide-water system illuminated in the solar spectrum range. 374704
Rate constants for the reaction of hydrogen and deuterium atoms wtih silane. 351529
Schinke, R.
Time-dependent close coupling for vibrational excitation in three dimensions: application to H^+-H_2. 355915
Schinkel, C.J.
Magnetization and specific heat in the CeTh system. (INIS-mf – 4267) 378617
Schinzel, D.
Further evidence for production of electrons with small transverse momenta in pp collisions. 377784
Schioett, H.E.
Channelling effects for 15 GeV/c negative pions. 377798
Schiott, H.E.
Energy loss of 2-15 GeV/c particles in Si and Ge single crystals with a comparison to existing theory. (INIS-mf – 3996) 364005
Schipper, J.
An accurate and simple technique for megavoltage therapy of intra-orbital tumors. 365408
Schira, R.
Study of quasi-elastic reactions of ν and antineutrino in Gargamelle. 369268
Schirber, J.
Self-consistent, relativistic, ferromagnetic band structure of gadolinium. (SAND – 77-1260C) 362413
Schirber, J.E.
Effect of pressure on the Fermi surface and band structure of ferromagnetic Gd. I. Experiment. 365180
Pressure dependence of crystal field splitting in Pr pnictides and chalcogenides. (SAND – 77-2012C) 373326
Role of pressure in the study of the FERMI surface. (SAND – 77-0978C) 351805
Studies of electron transitions using solid He pressure techniques. (SAND – 77-0989C) 357396
Temperature and volume dependence of some magnetic properties of Pr-pnictides. 348861
Schirmer, G.
Radiation damage and implanted impurity distribution in GaAs at P-ion implantation. (INIS-mf – 3996) 363957
Schirra, M.
Reactor materials investigations and development. (KFK – 1277/2) 371052
Schittenhelm, Ch.
Strain measurements at high temperatures in a concrete structure representing a cylindrical section of a PCPV with hot liner. (SGAE – 2527) 355156
Strain measurements of temperatures up to 300°C in a concrete structure. (SGAE – 2531) 365721
Schkade, A.F.
QMESH/RHENUM/QPLOT mainframe and plotter conversion: CDC6600 to IBM 360/370 and SC4020 to Calcomp. (SAND – 77-0618) 368480
Schlachter, A.S.
D- production by multiple charge-transfer collisions in metal-vapor targets. (LBL – 6838) 363920
Electron capture and loss cross sections for multicharged iron and argon ions in argon and molecular hydrogen. 368610
Equilibrium charge-state fractions for 2.7-31 keV deuterium atoms and ions in strontium vapor. 366321
Single electron capture and loss cross sections for highly stripped Fe ions in hydrogen at 3.4 MeV/nucleon. 353191
Schlader, D.M.
Effects of hydrogen on the single crystalline elastic constants of niobium. (IS-T – 759) 351845
Shear moduli of a niobium single crystal with hydrogen additions at elevated temperature. 373263
Schlafke, A.P.
Operating experience with the HEUB superconducting dipoles. 363327
Schlag, E.W.
Lifetime spectroscopy. 361392
Radiative lifetimes of ions from electron-photon coincidence measurements. 353354
Schlag, H.
Negative pion irradiation of mammalian cells. 376070
Schlapbach, L.
Neutron scattering investigations of the $LaNi_5$ hydrogen storage system. 367243
Schlapbach, M.E.
Determination of condensing heat transfer coefficients and two-phase flow regimes for dichlorotetrafluoroethane refrigerant (R-114). (KY – 674) 363106
Schlapper, G.A.
Neutron tomography investigations at the Missouri University Research Reactor. 358322
Schlatter, D.
A detector for high-energy neutrino interactions. 379899
Is there a high-y anomaly in antineutrino interactions. 351222
Like-sign dimuon events produced in narrow-band neutrino and antineutrino beams. 356512
Measurement of the neutral to charged current cross section ratio in neutrino and antineutrino interactions. 361888
Observation of a neutrino event with four energetic muons. 372525
Observation of trimuon events produced in neutrino and antineutrino interactions. 356511
Study of inclusive neutral current interactions of neutrinos and antineutrinos. 369377
Schlecht, R.G.
Raman scattering cross section and density measurements of UF_6. 351599
Schlechtendahl, E.G.
Analysis of the fluid-structure dynamic interaction of reactor pressure vessel internals during blowdown. (AED-Conf – 77-403-007) 368160
Design and precalculation of the HDR-blowdown-experiments on dynamic loading, stresses and deformations of reactor vessel internals. (KFK – 2435) 358224
Design of the HDR experimental program on blowdown loading and dynamic response of PWR-vessel internals. 374280
Development and verification of coupled fluid-structural dynamic codes for stress analysis of reactor vessel internals under blowdown loading. (KFK – 2435) 358604
Loads on a PWR core shell after break in the reactor coolant pipe. 370913
Schlegel, A.
Optical properties of TiN and ZrN. 364109
Schlegel, R.L.
As low as is reasonably achievable (ALARA) studies relative to the NWTS program. (Y/OWI/SUB – 77/42509) 379320
Schleich, D.
Crystal growth and characterization of $PdTe_2$. 365226
Schleicher, H.W.
The Euratom safeguards system as a regional control system. 371304
Schleifer, P.
Survey of thorium utilization in power reactor systems. 365946
Schlein, W.
Determination of uranium in aqueous solution by x-ray fluorescence. 369522
Schleisiek, K.
An in-pile sodium loop for investigation of local cooling disturbances in LMFBR's. 374279
Schlemmer, F.
Experimental power ramps in KWO and KWR-A fuel elements. 370836
Intermediate storage of spent LWR fuel elements: experience and tasks from the fuel element point of view. 370933
Schlenger, B.
Di-interstitial formation within small defect cascades in aluminium. 370150
Schlenk, W.
Condensation of Pd on W(110) single crystal plane. 368866
Schlenker, H.V.
The development of the HTR direct cycle. 379687
Development of the HTR-gas turbine cycle in Germany. 379686
Schlenker, U.
Concrete or mortar to be used as material in radiation protection building and method for its fabrication. (German (F.R.) patent document 2516023/A/) 367344
Schlepuetz, F.
Measurement of gamma-rays, neutrons and charged particles after π^--capture in nuclei. 378077
A new upper limit for the decay $\mu^+ \rightarrow e^+\gamma$. 369383
Schlepuetz, F.W.
Experimental study of the reaction $^7Li(\pi^+, \pi^0)^7Be$ in the (3, 3) resonance region. 366961

Schlereth, J.L.
Study of the reactions K⁰/sub L/p → K⁰/sub s/p, Λπ⁺ and Σ⁰π⁺ at 550 MeV/c. 372536
Schlesinger, R.B.
Particle deposition in a hollow cast of the human tracheobronchial tree. 365475
Schlesinger, S.P.
Stimulated Raman scattering by an intense relativistic electron beam in a long rippled magnetic field. 350605
Schlesinger, T.
Dose estimations for radioactif cis-dichlorodiammine platinum (195m) II. A new radiopharmaceutical. 354957
National supervision of radionuclide users in Israel. (INIS-mf – 4052) 373901
The new ICRP recommendations. (INIS-mf – 4052) 367811
Radiation dose to the breast in mammographic examinations. (INIS-mf – 4052) 376127
Radiopharmacology of the phosphorus burn: radioautography, biochemistry, pathophysiology and neutralization. (INIS-mf – 4052) 376126
Schleter, J.C.
Diversion path analysis handbook. Volume I. Methodology. (TID – 22793/1) 374499
Diversion path analysis handbook. Volume II. Example. (TID – 22793/2) 374495
Schleusener, J.
Deconvolution of differential cross sections obtained from molecular beam experiments. 366369
Schlicht, K.
Operational proof of automation. 365846
Schlickeiser, G.
The reaction behaviour of the heavy platinum metals Os, Ir and Pt with high-melting carbides. (KFK-EXT – 6/77-1) 351829
Schlickeiser, R.
Non-thermal electron bremsstrahlung in the galactic disk. 374958
Schlier, C.
Ion – molecule reactions of N⁺ with CO: Integral reactive cross sections in the collision energy range 0.2 – 13 eV. 368632
Schliesing, H.
Specification and testing of coating systems for nuclear power plants. 354469
Schlindwein, M.
The scattering of quantized solitons in the non-linear Schroedinger theory. 355837
Schliwa, M.
Evidence for the F meson. 353947
Measurements of tau decay modes and a precise determination of the mass. 372505
On the origin of inclusive electron events in e⁺e⁻ annihilation between 3.6 and 5.2 GeV. 353772
On the semileptonic decay of charmed hadrons. 356496
Schlosser, P.
Electrolysis cell for the preparation of uranium (IV) nitrate solutions. (German (F.R.) patent document 1592424/B/) 354374
Schlotthauer, U.
Researches with the tandem and the synchrotron. Chapter 1. (CEA-N – 1959) 354227
Schlottmann, D.
Process computers and their application in the KNK-II reactor. 376475
Schluefter, R.
Angular distribution attributed to the neutron-proton final state interaction in the reaction dd → dpn. (KFK – 2430) 354258
Schlueter, A.
Breeder contra fusion reactor. 353628
Schlueter, H.
Guiding device for a manipulator mast for internal inspection of a reactor pressure vessel. (German (F.R.) patent document 2544009/A/) 355163
Observation of spatial wave echoes at the lower hybrid mode. 353578
Probe support for automatic probe guidance along three-dimensionally curved surfaces, in particular of reactor pressure vessels. (German (F.R.) patent document 2537613/A/) 360754
Schlueter, J.
Experimental investigations of the stability of a belt-pinch to vertical displacements. (INIS-mf – 3963) 371872
Schmahl, E.
Coronal mass-ejections-kinematics of the 19 December 1973 event. 372261
Schmahl, W.
Distribution of ²⁰¹Tl and of ⁸⁵Sr microspheres in dog's myocardium after temporary experimental ischemia. (INIS-mf – 4010) 362790
Effects of fractionated whole body X-irradiation on the CNS of fetal mouse. Topographic and quantitative micromorphologic characterisation. 354793
Pharmacokinetics of ¹⁴C-labeled eye drops. (INIS-mf – 4010) 370436
Schmeing, H.
Beta-delayed proton emission: a new series of precursors and the measurement of 10^{-16} s nuclear lifetimes. (AECL – 5560) 375180
Tsub(z) = 1/2 β-delayed proton precursors. I. 354232
Schmeisser, H.
Radiometric inspection of glass fibre reinforced pipes by means of an image analyzing system. 355100
Schmeling, P.
Development work on new hot water transport and distribution systems. 376808
Schmelzbach
Scattering of polarized tritons by ⁹Be and ¹²C. (BNL-NCS – 22500) 356870
Schmelzbach, P.A.
Investigation of possible Asub(yy) = 1 points in ⁶Li(d,α)⁴He and other deuteron induced reactions. 378052
Phase analysis of ³He(d,d)³He scattering. 378013
Proposal for an experiment at the SIN: determination of D-state admixture in deuterons with the aid of π⁺-d scattering. (LA-tr – 77-74) 377806
Proton hole states in ¹⁸⁷ ¹⁸⁹ ¹⁹¹Re investigated by the (t(pol),α) reaction. 354205
Tensor potentials in the optical model for elastic scattering of polarized deuterons by medium heavy nuclei. 377869
Schmelzer, C.
Pinning of 180° Bloch walls at etched nuclear tracks in LPE-grown iron garnet films. 373357
Schmer, G.
Kinetics of uptake and activity in mouse liver of glutaminase coupled to desialated orosomucoid. 373624
Schmid-Joerg, I.
Sociological studies on the surrounding field of perception of the population with regard to technological risks (here: nuclear power plants). 367754
Schmid, E.
Dose response relationships and analysis of primary processes of radiation-induced chromosomal aberrations in human peripheral lymphocytes. (GSF-B – 798) 354747
The physics of uranium-235-enrichment in the separation nozzle process. Pt. 4. 365648
Schmid, E.R.
A contribution to the distinction of biogenic vinegar and vinegar made from synthetic acetic acid by determining the specific ¹⁴C-radioactivity. 354914
The influence of organic solvents on the extraction of thorium(IV) and uranium(VI) with substituted secondary and tertiary ammonium nitrates from aqueous solutions of nitric acid 3.Pt. 375559
Schmid, G.B.
Theoretical study of inelastic ion-atom collisions. 363921
Schmid, H.J.
Strength layout of pipelines. (AED-Conf – 76-747-011) 355303
Schmid, L.
Double-radioisotope renal clearance measurement with a partially shielded whole-body counter for the determination of renal filtration fraction; methods and clinical results. (INIS-mf – 4010) 362731
Schmid, P.
Inclusive yields and transverse spectra of non-strange mesons. 353853
Spin-parity analysis of the diffractively produced low-mass Nπ systems in the reaction π⁺p→π⁺⁻(Nπ)⁺ at 16 GeV/c. 369382
A study of direct and indirect pion production in π⁺p interactions at 16 GeV/c. 377804
Study of the reactions π⁺p→π⁰Δ⁺⁺(1236), eta Δ⁺⁺ (1236) and eta'Δ⁺⁺ (1236) at 16 GeV/c. 372526
Study of the reactions K⁻p→K⁺K⁻Λ and Kp→panti pΛ, at 10 and 16 GeV/c. 353978
Total cross sections for charged-current neutrino and antineutrino interactions in BEBC in the energy range 20-200 GeV. 353945
Schmid, U.A.
Economic aspects of power generation in HTR reactors. 371228
Schmidberger, H.
Optimized cross-section determination for treatment planning in radiation therapy. 357878
Schmidke, E.
Cooling trap. (German (F.R.) patent document 2520941/A/) 355131
Schmidl, H.
The dynamic of heat transfer. Pt. 3: A three dimensional model of the axial heat transfer with Laplace transformation for /s/ < < 1 at a turbulent tube flow. (SGAE – 2597) 373997
High temperature helium test rig with prestressed concrete pressure vessel. (SGAE – 2529) 365697
Schmidt-Bocking, H.
Collisional configuration rearrangement in fast Ne projectiles. (INIS-mf – 3996) 364111
The contribution of one- and two-step process to non characteristic radiation in solid target. (INIS-mf – 3996) 364110
Schmidt-Boecking, H.
Charge dependence of double K-vacancy states in collisions of Ssup(n+) (n = 5, 8, 10, 12, 13, 14) on Ar at 1 MeV/amu. 358823, 377115
Experimental determination of the production mechanism for noncharacteristic radiation in swift heavy-ion collisions. 374636
Impact-parameter dependence of K-shell vacancy sharing in heavy-ion collisions. 350678, 366366
K-shell ionization cross sections in nearly symmetric collisions by S and Cl impact. 374638
K-shell ionization probability in energetic nearly symmetric heavy-ion collisions. (WIS-Ph – 77/20) 366378
Schmidt-Hoenow, M.
Nuclear start-up of KNK-II. 371047, 371048
Nuclear start-up. 376583
The start-up programme. 376585
Schmidt-Kuester, W.J.
The development of new energy technologies on a national and international scale. (IRS-T – 29) 358621
Development of new technologies for energy production in the Federal Republic of Germany. 355665
National energy and nuclear power system plans of the Federal Republic of Germany. 366147
Schmidt-Ott, W.D.
The internal conversion of the N = 81 isotones sup(139m)Ce and

sup(141m)Nd. 375169
Schmidt-Schleicher, H.
Load studies on cylindrical reinforced-concrete shells. 355379
Schmidt-Sonnenschein, B.
Metabolism of (phenyl-U-^{14}C)-parathion and its metabolite p-nitrophenol in the rat. (Juel – 1450) 357707
Schmidt, A.
Ion induced carbon contamination and recoil implantation. 371652
Schmidt, B.
Conformal structure – spacelike infinity. 355838
Schmidt, B.G.
Singular space-times. 368537
Schmidt, C.
A cure against 'training' of superconducting magnets. 365711
Schmidt, C.G.
Results of ^{89}Sr-radiotherapy of malignant skeletal diseases. (INIS-mf – 4010) 357607
The value of emission tomography in clinical oncology. (INIS-mf – 4010) 362813
Schmidt, D.
Determination of the longitudinal and the transverse part in π^+-electroproduction. (DESY – 77/64) 366892
Electroproduction of neutral pions and test of the quark-parton model. 356394
Experimental investigation at the tandem accelerator EGP-10-1 of the Central Institute of Nuclear Research, Rossendorf. 357937
Inclusive spectra of electroproduced K^+-mesons. (DESY – 77/49) 364578
Schmidt, E.
Dilepton production by neutrinos in neon. 351210, 353929
Prediction for the high-level alpha-active waste to be generated by nuclear power stations in the Member States of the European Communities. (EUR – 5690) 371200
Schmidt, E.G.
Four-color and Hβ photometry of stars in NGC 7654 and M25. 372262
Schmidt, E.M.
Nuclear transmutation of actinides other than fuel as a radioactive waste management scheme. 368363
Schmidt, F.
ESR- and Moessbauer spectroscopic, roentgenographic and magnetic studies on the formation of highly dispersive iron oxides on Faujasit. 359716
Finite element calculations on the 3d HTGR benchmark problem. 370802
Statistical analysis of the effects of inexact data on statements concerning reactor safety. 370529
Verification of rod melting experiments by calculation. 370621
Schmidt, F.A.
Diffusion and electrotransport of metallic solutes in thorium metal. (IS-M – 103) 362384
Effect of pressure on the Fermi surface and band structure of ferromagnetic Gd. I. Experiment. 365180
Scandium puzzle: what are its intrinsic properties. (IS-M – 99) 351753
Ultra purification of metals by electrotransport under outer space environmental condition. Final report, April 1, 1974 – September 30, 1976. (IS – 4125) 373985
Schmidt, F.K.
Vector analysing power in d-p and d-d elastic scattering at 52 MeV. 354145
Schmidt, G.
Cast iron with lamellar graphite as a material for prestressed hot reactor pressure vessels – preliminary results of the VGD-HTR materials test. 370786
Investigations in plasma dynamics. Annual progress report, September 15, 1976 – September 15, 1977. (COO – 3004-23) 377531
The neutron-proton final-state interaction in proton-induced deuteron break-up at 8.5 MeV. 372760
The problem of nuclear power. 368493
Some recent results on μ-transfer in systems with bound hydrogen. (LA-UR – 77-1266) 361371
Schmidt, G.D.
New observations and a slow rotator model of the X-ray binary AM Herculis. 369208
Schmidt, G.L.
Energy loss rates of energetic ions injected into the FM-1 spherator. 350822
Schmidt, George
Parametric instabilities in magnetized plasma. 353626
Schmidt, H.
Beta dosimetry of medical applicators. 355092
Enhancement of neutron yield from Focus devices. (INIS-mf – 3963) 371787
Flow and mixing conditions in the upper plenum of the SNR 300. 371007
Fuel rod behaviour in the refill and flooding phase of a LOCA. (AED-Conf – 77-403-003) 376210
Influence of the primary circuits on the PWR refill phase. 370937
An investigation of magnetic ordering in Gdsub(x)Cesub(1-x)Ru_2 by ^{155}Gd Moessbauer spectroscopy. 371675
Investigation of the coolant flow distribution in a pressurized water reactor. (BMFT-FB-K – 77-14) 376506
Investigations of the fuel rod behavior in the low pressure phase of a LOCA and of the interaction between ballooning Zircaloy claddings and emergency core cooling. (KFK – 2435) 358203
Investigations on the photographic elementary process in AgCl single crystal foils. 360120
Responsibility of research for the future of society. 365602
Safety Technology Research Program in the field of pressurized water reactors. 1. Technical report on advancement project RS 36/2. Emergency cooling program service life experiments: reflooding experiments involving the primary loop systems. (LA-tr – 77-44) 352292
Schmidt, H.E.
Oscillator technique to determine the thermal contact conductance between fuel and cladding in an operating nuclear fuel rod. 373264
Study of uranium-plutonium carbide-based fuel simulating high burnup. 378458
Schmidt, I.A.
Nonscaling behavior: The proton, neutron, and deuteron structure functions. 372482
Relativistic interactions between nuclei, coherence effects and nonscaling. (SLAC-PUB – 2010) 377866
Schmidt, J.
Lead residues in plants and soils along Austrian motor roads. 367650
Schmidt, J.A.
Energy loss rates of energetic ions injected into the FM-1 spherator. 350822
Schmidt, J.O.
Determination of lithium by instrumental neutron activation analysis. 369546
Schmidt, K.
The influence of fluoride ions on the behaviour of Fe^{3+}-doped VO_2. 364983
Moessbauer emission spectra of Co-films (4-8 A) on Cu. 366415
Molecular beam study of the HeNe-laser pumping transition. 358799
Test results and still existing problems of the sodium instrumentation for LMFBR's. (CONF-760503 – P2) 352752
Schmidt, K.D.
ALMOS-2 – computer program for accident analyses of BWR-type reactor plants. Pt. 1. (MRR-P – 13(T.1)) 365859, 365860
Schmidt, K.G.
The influence of nose section and turbulence intensity on the flow around thick plates in parallel flow. 365694
Schmidt, K.H.
Comparison of inelastic electron and positron scattering cross sections on ^{12}C and ^{27}Al. (DESY – 77/40) 364781
Measurement of the activation energy for the reaction of the hydroxyl radical with hydrogen in aqueous solution. 359804
Remark on the apparent distance dependence of the Hubble constant. 374940
Shadowing effect in inelastic electron scattering on ^{12}C and ^{27}Al nuclei at small four momentum transfer. (DESY – 77/55) 364782
Validity of the one-photon exchange approximation in inelastic scattering of electrons and positrons on protons. 366889
Schmidt, K.R.
Engineering tasks and project handling by foreign and local teams. 352602
Schmidt, L.
An in-pile sodium loop for investigation of local cooling disturbances in LMFBR's. 374279
Irradiation induced creep experiments in the BR2 reactor using the resonant cavity method. 360066
Schmidt, M.
Cosmological interpretation of redshift data on quasars through the V/Vsub(max) test. 366752
Electron in cold alcohols: a pulse radiolysis study in ethanol. 359777
Schmidt, M.G.
Hadron scattering in two-dimensional QCD. I. 364482
Structure of hadron in Migdal's regularization scheme for QCD. 364491
Schmidt, O.
Method for the anodic oxidation of the inner surface of a superconducting niobium hollow body having at least one opening. 369244
Schmidt, P.
Recombinator of hydrogen and oxygen. (German (F.R.) patent document 2451438/A/) 354378
Schmidt, P.H.
α-γ phase transitions in Ce – Th alloys under high pressure. (LA-UR – 77-2153) 373205
High pressure induced shifts in the superconducting transition temperature of sputtered films. 349449
X-ray photoelectron spectroscopy in rare-earth hexaborides. 357352
Schmidt, R.L.
Biological availability of energy related effluent material in the coastal ecosystem. (BNWL – 2100(Pt.2)) 362931
Schmidt, T.R.
LMFBR Prompt Burst Excursion (PBE) experiments in the Annular Core Pulse Reactor (ACPR). (CONF-761001 – P4) 363011
Recent operational history of the new Sandia Pulsed Reactor III (SPR III). (SAND – 77-1116C) 379845
Safeguards experience at the Sandia Laboratories reactor site. (SAND – 77-1242C) 353012
Schmidt, U.
Early recognition of potential hyperthyroidism in endemic areas. (INIS-mf – 4010) 370475
Estimation of risk for hyperthyroidism by determination of the mass of autonomous thyroid tissue. (INIS-mf – 4010) 370476
Influence of oxide layers on the carbonisation of alloys in HTR helium. 369822
Influence of prior application of ^{99}sup(m)Tc-DMSA upon the results of ^{131}I-OIH-clearance determination. 376194

Schmidt, V.
Concerning the application of high-intensifying X-ray screens from the viewpoint of X-ray protection. 373900
Electron shake-off in neon and the interaction of continuum states. 376988
The K auger spectrum of the free magnesium atom. 374601
Schmidt, W.
Determination of the relative biological effectiveness for fast neutrons based on the mitotic inhibition of Ehrlich ascites tumor cells. (SAAS – 222) 354784
Legal protection against a lack of grounds in administrative judgements concerning public interests. 371273
RBE assessment of fast neutrons in Ehrlich ascites tumor cells by analyzing mitotic depression. 373485
Schmidt, W.F.
Electron mobility in nonpolar liquids: the effect of molecular structure, temperature and electric field. 362279
The influence of nonelectronegative molecules on the mobility of excess electrons in liquefied rare gases and tetramethylsilane. 359807
Negative ion-molecule reactions in liquid argon following electron capture by N_2O. 362245
Schmidt, W.K.H.
Distance limit for a class of model γ-ray burst sources. 372263
No new limit on the size distribution of gamma-ray bursts. (N – 76-34110) 361675
Search for gamma-ray bursts with coincident balloon flights. (N – 77-14977) 361676
Schmidtlein, P.
Comparing radiation exposure due to emissions from conventional power plants and nuclear facilities. 370608
Radiation exposure in the neighbourhood of reprocessing plants in normal operation. 369838
Schmiedel, H.
Classical calculation of magnetic susceptibility and magnetic shielding of the nuclei of diamagnetic molecules. 371529
Schmieder, B.
Linear hydrodynamical equations coupled with radiative transfer in a non-isothermal atmosphere. I. 366753
Schmieder, H.
Applying hafnium or hafnium alloys as material in plants for reprocessing irradiated nuclear fuels. (German (F.R.) patent document 2520870/A/) 354467
Counter current extraction column for liquid-liquid-extraction with synchronous electrolysis. (German (F.R.) patent document 2520869/A/) 354479
Method for increasing the lifetime of an extraction medium used for reprocessing spent nuclear fuel and/or breeder materials. (US patent document 4,059,671/A/) 378563
Schmieder, K.
Judicial problems in connection with preliminary decision and construction design approval in nuclear licensing procedures. 352987
Schmiermund, R.L.
Geochemical dispersion of uranium near prospects in Pennsylvania. (GJO – 1659-1) 365295
Schmillen, A.
Excitation cross sections for the H-states 3s, 3p, 3d after the dissociative excitation of some H-containing molecules after e^--impact. 368645
Schmitt, D.
Behaviour of crystal field parameters in ErM and HoM equiatomic compounds, in relationship with band structure. 378726
A canted magnetic structure in an S-ion compound: GdMg. 378692
Crystal field in some light rare-earth compounds with the cubic CsCl structure. 374752
Development of the world energy requirement until 2000. 376809
Moessbauer spectroscopy and magnetic properties of DyMg and ErMg. 348763
Spin waves in HoZn. 378642
Schmitt, D.R.
Intensity and position measuring systems in the booster of the Zero Gradient Synchrotron. 363173
Schmitt, G.
The effects of various kinds of sparsely-ionizing radiation on total cell RNA and preribosomal nuclear RNA of Novikoff Hepatoma ascites cells after in vivo labelling. 349752
Schmitt, H.
Control rod drive concepts with regard to economical use at higher temperatures. 370857
Measurement of the differential cross section for $\pi^-p \rightarrow \pi^0 n$ around the Δ(1232) resonance and test of the charge independence principle. 362072
Schmitt, I.
Some comments on "universality" at high energies. 353072
Schmitt, M.
Carbon isotopes in oil and gas exploration. Examples of applications. 376019
Schmitt, R.
Effects of irradiation on the fatigue behaviour of the structural material 1.4948 (X6 CRNI 18 11). 370211
Schmitt, R.C.
Numerical results obtained from the three dimensional transient single phase version of the COMMIX computer code. (ANL-CT – 78-3) 373802
Three-dimensional numerical simulation of LMFBR outlet plenum mixing. 352778
Schmitt, R.P.
Evidence for the characterization of heavy-ion reactions by the ratio E/B. 354236
Transitional features observed in the charge and angular distributions of deeply inelastic fragments produced in the reactions $^{181}Ta + 620$ MeV ^{86}Kr. 372722
Schmitt, W.
KWU proposal for the national practice in the assessment of integrity against fracture for nuclear components. (IAEA – 189) 360826
Schmitten, W. in der
Pyrocarbon-coated fuel particles for fuel elements of HTR reactors. 352685
Safety margin from products specifications of failed spheres of a HTR core in dependence of the testing plan. 370988
Schmitter, J.
Earthquake design of the components of the heat transfer system. 376559
Schmitter, K.H.
Controlled fusion in Germany running activities and future program. 377383
Fusion power in the E.E.C. – some considerations concerning the future programme. (INIS-mf – 3998) 356096
Schmittroth, F.
Application of least-squares method to decay heat evaluation. (HEDL-SA – 1248) 362021
Fission-product source terms for reactor applications. (LA-NUREG – 6917-MS) 367999
Uncertainties in fission product decay-heat calculations. 352447
Schmitz-Draeger, B.
Problems with the determination of TSH-levels and with the TRH-test in routine diagnostic procedures. (INIS-mf – 4010) 370500
Schmitz, D.
Criteria and methods for earth quake design. 376561
Determination of floor response spectra on the basis of the response spectrum method. 355154
Earthquake design of the piping heat transfer system. 376560
Evidence for the F meson. 353947
Measurements of tau decay modes and a precise determination of the mass. 372505
New results from Doris. 364597
On the origin of inclusive electron events in e^+e^- annihilation between 3.6 and 5.2 GeV. 353772
On the semileptonic decay of charmed hadrons. 356496, 364566
Schmitz, G.
Failed fuel detection systems at the KNK nuclear power station. (IWGFR – 7) 360979
Operational tests. 376584
Release and detection of fission products from defective fuel pins. 355332
Schmitz, J.
Method for recovering uranium from sea water. (Juel – 1415) 354694
Schmitz, J.J.
Flexible position probe assembly. (US patent document 4,052,686/A/) 374187
Schmitz, M.
The effect of iodine containing roentgen contrast media on TSH-TRH-tests. (INIS-mf – 4010) 370507
Schmitz, N.
Dissociation of the proton into $(p\pi^+\pi^-)$ in the reaction $pp \rightarrow pp\pi^+\pi^-$ at 12 and 24 GeV/c. 353940
Hadronic jets in electron-positron and proton-proton collisions. 356522
Schmitz, P.
The effect of resonance production on angular correlations. 353935
Total cross sections for charged-current neutrino and antineutrino interactions in BEBC in the energy range 20-200 GeV. 353945
Schmitz, R.
Computerized deconvolution analysis of the isotope renogram; software development and clinical application. (INIS-mf – 4010) 362826
Evidence for the tau → γrhoπ decay mode. 372500
Measurement of the branching ratios for the decays J/psi(3.1) → fω and J/psi(3.1) → Bπ. 372506
Measurement of the J/psi radiative decay into $f^0(1270)\gamma$. 377779
Results of functional hepato-chole-scintigraphy with HIDA. (INIS-mf – 4010) 370513
Schmocker, U.
Evaluation of iron cross sections for fast reactor lattices and shields with the aid of measured neutron spectra. 370794
Schmor, P.
Improvements to the beam properties of the TRIUMF cyclotron. 363199
Schmorak, M.R.
Nuclear Data sheets for A = 231, 235, 239. 351416
Nuclear data sheets for A = 232,236,240. 356871
Schmoranzer, H.
Absolute experimental differential cross sections for elastic large angle scattering of 40 keV electrons from C, Al and Au. 358820
Photoexcitation spectra for autoionization and predissociation of Rydberg terms of NO in the energy range from 15.9 to 22.0 eV. 377113
Schmuck, P.
Critical configurations and secondary excursions for high temperature fuel/steel mixtures. (CONF-761001 – P3) 365592
The influence of fission gases on mechanical energy release after hypothetical coolant flow accidents. 371053
Influence of fuel-coolant-interactions on loss of flow type core disruptive accidents for the SNR-300. (CONF-761001 – P3)

365545
Schmudlach, U.
New concepts of control centre design and development. (KFK-PDV – 106) 368338
Schmuelling
The use of non-destructive test methods at the HDR reactor. 368123
Schmueser, P.
Evidence for the F meson. 353947
Measurements of tau decay modes and a precise determination of the mass. 372505
On the origin of inclusive electron events in e^+e^- annihilation between 3.6 and 5.2 GeV. 353772
On the semileptonic decay of charmed hadrons. 356496
Schmutzer, E.
Some remarks on general covariance of quantum theory. 353149
Schnabel, E.
Structure of steel 8 CrMoNiNb 9 10 and its variations in long-term thermal stress. 378618
Schnabel, K.
Pendulum irradiation of the middle part of the esophagus with rapid electrons and ultrahard X-rays. 349937
Schnabel, W.
On the kinetics of polymer degradation in solution. 365069
Primary ionic species of α-methylstyrene produced by high energy radiation. 375687
Schnack, D.
Linear and non-linear calculations of the tearing mode. (UCRL – 79261) 361622
Schnauder, H.
Experimental data acquisition and processing of the dynamic behavior of the pressure vessel test internals under the HDR-blowdown-experiments. (KFK – 2435) 358207
Schnechter, D.E.
New ORNL neutral beam transport system. (CONF-771029 – 147) 377546
Schnecke, W.
Reactions of the hydrated electron with pyrene in lipid bilayer vesicles. 365076
Schneeberger, J.P.
Neutron transit time measurements on a two-different-core system. 365798
Schneeberger, M.
Energy analysis of nuclear power plants and their fuel cycle. 366136
Geological ultimate storage site for radioactive waste in Austria. 371204
Viewpoint of utilities regarding fuel management of nuclear power plants. 366228
Schneeberger, R.J.
X-ray contrast detection system. 358390
Schneeloch, D.
Process computers and their application in the KNK-II reactor. 376475
Schneeweiss, K.
New neutron-deficient tellurium, iodine, and xenon isotopes produced by reactions of 290 MeV ^{58}Ni ions on ^{58}Ni and ^{63}Cu targets. 364793
Schneid, E.J.
Airborne detector improvement. (GJBX – 40(77)) 360165
Schneider-Kuehnle, P.
Measurements of energy spectra and doses in liquid air of neutrons from a californium-252 source. 372556
Schneider, A.
Advances in light water hybrid reactors (LWHR). (INIS-mf – 4052) 374246
Fast-core thermal-blanket breeder reactor. (INIS-mf – 4052) 368232
Feasibility of plutonium separation-free nuclear power economy with LWHRs. 352748
Georgia Institute of Technology research on the gas core actinide transmutation reactor (GCATR). (CONF-760646 –) 374241
Natural-uranium light-water hybrid breeding reactors. (IA – 1338) 365794
Schneider, A.B.
Plasma thyroglobulin in detecting thyroid carcinoma after childhood head and neck irradiation. 360275
Salivary gland neoplasms as a late consequence of head and neck irradiation. 352054
Schneider, B.I.
Electron-molecule scattering theory: An R-matrix study of low-energy elastic e-N_2 collisions in the static-exchange approximation. 358791
Pseudostates and low-energy electron-molecule collisions: applications to H_2 and N_2. 355916
Recent applications of the R-matrix method to problems in low-energy electron-diatomic-molecule scattering. 358821
Theoretical atomic and molecular physics at X ICPEAC. (LA-UR – 77-2282) 368698
Schneider, C.S.
Quasi-free (π,πN) scattering. 372620
Schneider, D.
Auger decay of Li-like Ne induced by 200-MeV Xe^{31+} impact. 358836. 377124
Mean fluorescence yields of carbon-K following 100-500 keV C^+ and Ne^+ impact on CH_4. 358822, 377114
Zero thickness cross sections for K X-rays and REC produced in collisions of Cl ions with thin Cu targets. 353370
Schneider, D.A.
Gelation of small diameter, thoria sol microspheres in non-flowing alcohols. (ORNL-MIT – 95) 378490
Schneider, E.
Advances made in areas of relevance to the treatment of gaseous effluents from reprocessing plants. 358474
The influence of hydraulics and thermodynamic equilibrium on the flooding process. 370921
Progress in areas of relevance to the treatment of gaseous effluents from reprocessing plants. (BNWL-tr – 253) 352854
Schneider, E.E.
Cyclotron resonance in Hgsub(1-x)Cdsub(x)Te at 337 micrometre in the range 77 K – 150 K. 377219
Schneider, E.W.
The lifetime of the 376.7-keV level and shape coexistence in ^{111}Ag. 356772
Schneider, F.
Collision-induced dissociation of H^+ by He at eV energies. Crossed-beam and trajectory studies. 377150
Schneider, G.
Rod-shaped fuel element for nuclear reactors. (German (F.R.) patent document 1614308/C/) 352492, 355336
Schneider, H.
Dosimetry along the radioactive fallout path. 21. 350332
Influence of the size and shape of cooling channel blockages on the emergency core cooling in the reflood phase of a LOCA. (KFK – 2435) 357796
Investigation of changes in the surface layer composition of materials exposed to sodium by glow discharge optical and Auger electron spectroscopy. (CONF-760503 – P2) 352776
Investigations of the mechanical behavior of Zry-4 cladding material at high temperatures. (KFK – 2435) 357249
Liquid alkali metal cooling and heat transfer agent of high purity. (German (F.R.) patent document 1601196/B/) 351674
Measurement of $\pi^-p \rightarrow \pi^0 n$ at large momentum transfer. 372503
Nuclear weapons. 3. 353028
Observation of a meson $X \rightarrow 2\gamma$, with mass 2.85 GeV/c^2, produced in the charge-exchange reaction $\pi^-p \rightarrow Xn$ at 40 Gev/c. 377780
On the risk of radionuclide leaching by groundwater and biosphere transport with input data uncertainties described by probability distributions. 370265
Protection against mass destruction weapons. 350332, 353028
Study of the reaction $K^-p \rightarrow$ anti K^0n at momenta of 25 and 40 GeV/c. 356482
Schneider, H.K.
Do we need more electricity – from nuclear energy. (AED-Conf – 77-331-001) 366148
Schneider, H.R.
Multimuon production in deep inelastic μ-nucleus scattering. (BONN-HE – 76-24) 364533
Quark-antiquark annihilation and small psub(T) inclusive spectra. (BONN-HE – 77-16) 364534
Status of the Chalk River superconducting heavy-ion cyclotron. 363309
Schneider, J.
Calculation of the influence of a thermal shield on the neutron flux and on the tritium production in a fusion reactor blanket. (HMI-B – 235) 366622
Highly enriched lithium, a material to reduce the tritium inventory and the activation of structural materials in fusion reactors. 368954
Improved manufacture of electrographite powder. (BMFT-FB-K – 77-11) 375937
Schneider, J.D.
A 14 MeV intense neutron source facility. 355167
Schneider, J.R.
Anisotropy in the Compton profiles of Nb and NbHsub(0.76). 350767
Schneider, K.
Effects of reactor-specifically contaminated helium on the creep behaviour of high-temperature alloys for turbine blades. 369964
Transportation of vitrified high-level radioactive waste by rail: fault tree analysis and accidental release. 352328
Transportation problems in nuclear power plant shutdown due to age. 370729
Schneider, K.J.
Technology, safety, and costs of decommissioning a reference nuclear fuel reprocessing plant. (NUREG – 0278(Vol.1)) 365113, 365114
Schneider, K.U.
Design concept of the 3x360-MW(e) HHT reference nuclear power plant. 379680
Layout and arrangement of a PNP prototype plant. 370957
Schneider, L.
High-spin states in the N = 82 nucleus $_{61}{}^{143}Pm_{82}$. (ZfK – 336) 364816
Schneider, L.G.
Comparison of the ribonucleoproteins of different rabies virus serotypes by radioimmunoassay. 362802
Schneider, M.J.
Effects of thermal discharges on aquatic biota. Combined effects of waste heat and environmental factors acting in concert. (BNWL – 2100(Pt.2)) 362594
Schneider, M.V.
Ultrasonic pulse-echo determination of burn depth in partial-thickness burns. (ORNL – 5171) 367628
Schneider, P.
Calculation of effective few-group cross sections in high-temperature reactors with spherical fuel elements. 370791
Schneider, P.J.
D- production by backscattering from clean alkali-metal surfaces. (LBL – 6839) 363922

Schneider, R.
^{3}H-spiroperidol labels dopamine receptors in pituitary and brain. 376151
Schneider, R.E.
Rod bundle blowdown heat transfer tests simulating pressurized water reactor loss of coolant accident conditions. Final report. (EPRI-NP – 113) 365559
Rod bundle test facility instrumentation description, calibration, and uncertainty analysis, PWR blowdown heat transfer project. Final report. (EPRI-NP – 112) 365558
Schneider, R.O.
Central measurement-value acquisition facility (ZMA) for slow and fast measurements at the HDR. 370892
Schneider, R.P.
In vitro study of plutonium in macrophages. (BNWL – 2100(Pt.1)) 360343
Schneider, R.S.
The velocity distribution of alpha particles in fusion reactors. 364246
Schneider, R.T.
Application of gaseous core reactors for transmutation of nuclear waste. (CONF-760646 –) 374138
Thermodynamic properties of a high pressure subcritical UF_6He gas volume (irradiated by an external source). (N – 77 – 18938) 351873
Schneider, S.
Alpha-gamma angular correlations in the reaction ^{24}Mg(α,α$_1$γ) at Esub(α) = 104 MeV. 354181
Schneider, Th.
Nuclear power stations as a safety problem. 379214
Schneider, V.W.
Plutonium recycling in LWR reactors. 371255
Schneider, W.
Electron microscope observations on pore swelling of the steel 1.4970 in the RAPSODIE cluster experiment. 370151
Reactor materials investigations and development. (KFK – 1277/2) 371052
Schneider, W.B.
Probing Na-Na* resonant collisions mechanisms with strong magnetic fields. 353246, 353247
Schneider, W.F.W.
Isotope and element distributions of the evaporation residues from fusion of 160 MeV ^{32}S with $^{24\ 25\ 26}$Mg and ^{27}Al. 364818
Reaction between ^{238}U and ^{238}U at 7.45 MeV/nucleon. 366981
Schneidmiller, D.
Waste management implications of irradiated nuclear fuel storage. 368400
Schnell, H.
Cooling tower. (German (F.R.) patent document 2520221/A/) 358080
Method to harden coating masses made of unsaturated polyesters and partly polymerizable monomers by UV irradiation. 376290
Polyester moulding – and coating materials to be hardened by UV-irradiation. 354441
Polyester moulds and coating substances to be hardened by UV-irradiation. 354422
Schnell, W.
Compensation of beam loading in the ISR rf cavities. 363229
Experiments with stochastic cooling in the ISR. 363181
Longitudinal bunch dilution due to rf noise. 363248
Schnellhammer, W.
The structure of the $L_{2,3}$VV-Auger line of silicon and silicon compounds. 356073
Schnepf, R.
In-situ tests on absolute filters at the Fessenheim nuclear power station. 360520
Schneps, J.
Search for charmed particles in 14.75 GeV/c pp interactions. 375069
Schnetgoeke, G.
KNK-II spent fuel element management. 376576
Schnetzer, S.
Proton and pion spectra at large angles in relativistic heavy-ion collisions. (LBL – 670) 378037
Schneuwly, H.
Precision test of vacuum polarization in heavy muonic atoms. 371477
Test of vacuum polarization with muonic atoms. 377005
Schnitger, D.
Measurement of spectra and angular distributions of scattered X-radiation and their significance for radiographic inspection methods. 358031
Schnitzer, H.J.
Cancellation of the supercurrent anomaly in a supersymmetric gauge theory. 361242
Research in elementary particle physics. Technical progress report, May 1, 1976 – May 29, 1977. (COO – 3230-6) 355785
A supercurrent anomaly in supergravity. 371335
Schnitzer, M.
Recent findings on the characterization of humic substances extracted from soils from widely differing climatic zones. 357663
Schnitzler, B.G.
Application of gaseous core reactors for transmutation of nuclear waste. (CONF-760646 –) 374138
Schnoeller, M.
Device to contain semiconductor material to be doped where the doping is carried out in the reactor. (German (F.R.) patent document 2524378/A/) 354601
Method of producing silicon monocrystals doped by neutron activation. (German (F.R.) patent document 2516514/B/) 354622
Schnopper, H.
Observations of Cygnus X-1 in its two intensity states by ANS. (CONF-7510169 –) 364393
Observations of Cygnus X-3 by ANS. (CONF-7510169 –) 364392
Schnopper, H.W.
Detection of X-ray emission from 3C 120. 351079
X-ray spectroscopy with the ANS satellite. (CONF-7510169 –) 364401
Schnorrenberg, W.
Effects due to Coulomb interaction in the sequential decay reaction ^{2}H(α, pα)n. 351271
Quasi-free contributions in the ^{6}Li(d,tp)^{4}He-reaction at Esub(d) = 0.465 MeV. 356867
Schnurer, H.L.
Safety requirements and safety experience of nuclear facilities in the Federal Republic of Germany. 370609
Schnyders, H.C.
Solubilities of the noble gases in liquid sodium. (CONF-760503 – P2) 352726
Schober, G.
Bone scintigraphy for the diagnosis and evaluation of radiotherapy of diseases of the sinuses and the skull base. (INIS-mf – 4010) 357684
Schober, O.
A combination of several procedures for the diagnosis of hematological diseases. (INIS-mf – 4010) 367704
Image processing of one-dimensional whole-body profiles. (INIS-mf – 4010) 358391
A novel homogeneous mobile whole-body counting device. (INIS-mf – 4010) 358377
Partial and whole-body-clearance of ^{57}Co-bleomycin in patients with collum uteri carcinoma; measurements performed with a mobile whole-body counter. (INIS-mf – 4010) 357654
Schober, P.
A vapour bubble collapse model to describe the fragmentation of low-melting materials. (IKE – 2-40) 376297
Schober, T.
The electropolishing of vanadium for transmission electron microscopy (TEM). 359865
Transmission electron microscopy on niobium and tantalum hydrides. (AED-Conf – 77-283-001) 354591
Schobinger-Papamantellos, P.
Magnetic ordering of rare earth monochalcogenides. 350726
Schock, H.H.
Trace element partitioning between phenocrysts of plagioclase, pyroxenes and magnetite and the host pyroclastic matrix. 375351
Schoeberle, D.F.
Finite-element formulations for the thermal stress analysis of two- and three-dimensional thin reactor structures. (CONF-770807 – 50) 374255
Schoeck, W.
Investigations on the interactions of fission products and aerosols in LWR-containments. (KFK – 2435) 357738
Schoefer, B.
A high resolution low cost charge sensitive amplifier. 355508
Schoeller, H.
Process computers and their application in the KNK-II reactor. 376475
Schoembs, R.
Short periodic oscillations of the dwarf nova VW Hydri. 374913
Schoen, J.
TBP separation from aqueous purex solutions with the aid of a new adsorption resin. 369840
Schoen, S.
Electron resonance scattering at mercury. 353336
Schoenbach, K.
Collimated soft X-rays from the plasma focus. 371886
Microinstabilities in the plasma focus. 353629
Suprathermal microwave emission from the plasma focus. 366553
Schoeneich, J.
Ion induced carbon contamination and recoil implantation. 371652
Schoeneich, W.
Investigation of the light variation of twelve Ap stars in ten spectral regions. 351080
The period of the magnetic star HD 133 029. 351066
Schoener, K.
Device for the storage of fuel elements. (German (F.R.) patent document 2235796/C/) 368030
Schoener, W.
Testing and long-term use of hardly inflammable liquids in the control and lubricating circuit of a heating-power turbogenerator set. (AED-Conf – 77-304-000) 357814
Schoenfeld, E.
The conversion coefficient of the 165.85 keV gamma transition in ^{139}La. 372810
Dead-time circuit for pulse counting in activity measurements of high accuracy. 374354
Elimination of the influence of the gamma sensitivity of the 4π(β,EC) detector on absolute activity measurements with the 4π(β,EC) gamma coincidence method. 349940
Schoenfeld, Th.
Determination of radioiodine in air in the environment of nuclear facilities. (SGAE – 2691) 373861
Schoenfeldt, W.A.
Electron relativistic effects in the K-shell ionization of Z = 50-83 atoms by 9-155 MeV alpha particles. 377003
Schoenherr, K.
Sealing boric acid solutions with mechanical seals in nuclear

service. 370883
Schoening, J.
Characteristics of the prestressed cast construction and its preferential fields of application. 370826
Design, dimensioning, and calculation of the components and elements of the primary circuit, illustrated by the example of HTR reactor internals. 370989
Fuelling machine for nuclear reactors with coated pellet fuel elements. (German (F.R.) patent document 1589532/C/) 368183
Schoenmackers
Evaporation residues from the (^{7}Li,α) reaction on ^{197}Au and ^{232}Th. (BNL-NCS – 22500) 356727
Simulation of (n,p) cross sections using charged particle reactions. (BNL-NCS – 22500) 356726
Schoenmackers, R.
Investigation of Bremsstrahlung-induced reactions on nuclei of masses A = 27-238 in the range of the photon energies from 450 MeV to 2.2 GeV. 364759
Schoensiegel, A.
Safety and process instrumentation – layout. 376465
Schoenung, S.M.
Gamma rays from thermal neutron capture in ^{136}Xe. 364817
Schoermann, J.
Device to measure the size distribution and number of small particles. (German (F.R.) patent document 2544576/A/) 376706
Schoetzig, U.
Calibration of germanium spectrometers for gamma radiation. 358357
Scholer, M.
Intense electron and proton fluxes poleward of the trapping boundary during a substorm expansion. 351978
On the exponential decay of western hemisphere solar particle events. 351081
Scholessin, H.H.
How did barium titanate particulates stick together in the Nebula. 356316
Scholl, H.
On the chemism of grain size fractions of the lunar rock 14305. 364883
Scholl, K.
Containment wall for nuclear reactor safety vessel. 355313
Scholl, K.H.
Design of the HDR experimental program on blowdown loading and dynamic response of PWR-vessel internals. 374280
Scholle, U.
Design requirements for the SNR-300 containment system. (CONF-761001 – P2) 365589
Scholten, L.C.
Experience at KEMA with testing high efficiency aerosol filtration systems. 360521
Scholten, O.
The ^{116}Sn(d,t)^{115}Sn reaction and the investigation of deeply bound hole states in the cold-A tin isotopes. 356921
Positive- and negative-parity yrast bands in the transitional nucleide ^{150}Sm and the interacting boson approximation. 367007
Transitional nuclei in the I.B.A.-model. (INIS-mf – 4267) 377934
Scholten, P.D.
Effects of ion implanted Gd on the superconducting properties of thin Nb films. 362452
Scholtz, G.
Recombinator of hydrogen and oxygen. (German (F.R.) patent document 2451438/A/) 354378
Scholz, C.H.
Critical dilatant volume of rocks at the onset of tertiary creep. 365275
Scholz, D.
Angular correlations from ^{6}Li break-up near the Coulomb barrier of ^{118}Sn and ^{208}Pb. 354259
Scholz, F.
Heat transfer and hydraulic of resistance while transverse stream-lining coaxial tube clusters with an artifical roughness. (INIS-mf – 3957) 363100
Scholz, H.
Ascertaining the failure rates of Diesel aggregates and electronic plug-in units for determining the failure probability of safety systems. 352480
Calculation of nonstationary thermodynamical processes in a WWER-440 type PWR nuclear power plant unit. 355399
Scholz, M.
Nuclear reactor plant. (German (F.R.) patent document 2226574/B/) 355387
Nuclear reactor. (German (F.R.) patent document 2160991/B/) 352476, 355386
Screwing and holding device for lock nuts, especially for screwed joints of reactor pressure vessels. 355161
Scholz, P.M.
Data enhancement techniques for radionuclide cardiac studies. 354937
Scholz, W.
On electromagnetic moments and transition rates in light and medium-light nuclei in the coriolis coupling and extreme coriolis coupling model. 364696
Scholze, H.
Dealkalization of glass surfaces by aqueous acid treatment. 375560
Schomblond, C.
Strong coupling limit of the gphi^{4} theory. 353055
Schonbacher, H.
Use of cable and magnet insulators in a nuclear radiation field. 379514
Schonberg, M.
Plutonium concentrations in air near Rocky Flats. 365339
Stratospheric concentrations of N_2O in July 1975. 351971
Schone, E.
Intra-articular ^{90}Y-therapy of experimental arthritis in rabbits. (INIS-mf – 4010) 370400
Schonfeld, J.F.
Patching solitons in 2+1 dimensions. 353150
Schoof, H.
Total and differential sputtering yields of Ta- and Nb-oxide for 100-600 eV Ar^{+} measured with sputtered neutral mass spectroscopy. 368860
Schoot, J.B. van der
Location and size of acute transmural myocardial infarction estimated from ^{201}Tl scintiscans. A clinicopathological study. 352134
Myocardial scintigraphy with ^{201} Tl, especially in acute coronary disease. (INIS-mf – 4010) 357708
Sequential salivary gland scintigraphy using technetium-99m and carbachol. A clinical test. 354920
Thallium-201 scintigraphy for myocardial imaging with emphasis on its use in the coronary care unit. 354958
Schoot, M.R. van der
Method to change the boric acid concentration in the coolant of nuclear reactors and equipment for carrying out this method. (German (F.R.) patent document 2120177/C/) 367123
Schopohl, N.
Effect of dipole interaction on collective modes in ^{3}He-A. 372345
Schopper, E.
A high precision video-electronic measuring system for use with solid state track detectors. 368319
Solid state nuclear track detectors: track forming, stabilizing and development processes. 360085
Schopper, H.
Recent results of high energy physics. 377827
Schornhorst, J.R.
Evaluations of CRBRP thermal margin beyond the design base. (CONF-771108 – 3) 373863
Schott, H.
Operational tests. 376584
Schott, J.U.
A high precision video-electronic measuring system for use with solid state track detectors. 368319
Schott, L.
Diverging solitons and their transition to dispersive waves. 348896
Schott, M.
Determining the distribution coefficients of volatile alkalising agents between steam and water and their effects on the corrosion behaviour of materials in the water-steam cycle of power plants. 378248
Schott, W.
Iron-free coil arrangement for a β-ray spectrometer with an azimuth-dependent field. 368320
Storage device for relativistic electrons consisting of a phase-free cavity resonator and two magnetic mirrors. 363339
Schottenfeld, D.
Multiple primary cancer risk after therapy for Hodgkins's disease. 373562
Schotterer, U.
Determination of impurities in ice-cores from the Jungfrau-Joch by neutron activation analysis. 372940
Schouky, I.
Investigation of the nuclear level structure of ^{17}O and ^{29}Si in the range between neutron binding energy and 12 MeV excitation energy. (KFK – 2503) 354260
Schoumaker, H.R.P.
Surface-coatings by the plasma method – plasma spraying and plasma welding. 375891
Schrader, H.
Design and working principles of the Lohengrin mass separator for fission products at the high flux reactor in Grenoble. 358320
Experimental beta-decay energies of short-lived light fission products. 375207
Experiments with fission products at the Lohengrin mass separator. 354261
Schrader, H.G.
Measuring impurities in lead by X-ray spectrometry. 367045
Schram, D.C.
Poloidal beta limits in high-density tokamaks due to neoclassical ion heat conduction. (INIS-mf – 3963) 374855
Schram, P.H.
Coplanar and noncoplanar experiments on the reaction H(d, pp)n at Esub(d) = 12.9 MeV. 367004
Schramel, P.
A device for opening quartz ampoules in neutron activation analysis. 376344
Schraml, J.
^{29}Si and ^{13}C-NMR chemical shifts in crowded bis (trimethylsilyl)ethenes. 366437
^{29}Si and ^{13}C-NMR spectra of vinyl- and allylsilanes. 366463
Schramm, B.
The virial coefficient-isotope effect of ammonia. 364929
Schramm, G.
The influence of anisotropic ion pressure on non-symmetric toroidal high-beta equilibria. (INIS-mf – 3963) 371964
Schramm, K.
Considerations on a PAHR test facility. (CONF-761001 – P1) 362870

Schramm, R.
Heat transfer between core melts and concrete. 370606
Schrandt, R.G.
Energy measurements on fast-pulsed near-relativistic electron beams using bremsstrahlung absorption spectroscopy. 366627
Schraub, A.
Measuring method to determine low Rn-exhalation rates from solid materials. (AED-Conf – 76-530-009) 357848
Schraube, H.
Neutron fluence measurements with solid state nuclear track detectors – results of an international intercomparison. 371130
Schrawyer, L.
Miniature electron bombardment sample evaporation source for ESCA. 354305
Schreckenbach, K.
High precision measurement and calculation of the hypersatellite Kα₁sup(h) X-ray energy for Z=80. 355917
Schreiber, H.J.
Spin and lifetime of the Ω^- hyperon. 372517
Strange particle production in three- and four-body final states of 16 GeV/c π^+p reactions. 353944
Study of the reactions $\pi^+p \rightarrow \pi^0\Delta^{++}$(1236), eta Δ^{++} (1236) and eta'Δ^{++} (1236) at 16 GeV/c. 372526
Study of the reactions $K^-p \rightarrow K^+K^-\Lambda$ and $Kp \rightarrow$panti pΛ, at 10 and 16 GeV/c. 353978
Schreiber, J.
Tritium-proton exchange on fresh and oxidized lecithin. 372996
Schreiber, M.
The electronic susceptibility and charge density waves in 2H layer compounds. 377185
Schreier, E.
Observations of Cygnus X-3 by ANS. (CONF-7510169 –) 364392
X-ray spectroscopy with the ANS satellite. (CONF-7510169 –) 364401
Schreier, E.J.
Observations of Cygnus X-1 in its two intensity states by ANS. (CONF-7510169 –) 364393
Recent UHURU results on Centaurus X-3. (CONF-7510169 –) 364402
Schreiner, R.L.
Experimental study of structure and magnetic properties of the Hf sub(0.1) Zr sub(0.9) Fe_2 for pseudobinary compound. 363941
Schreinlechner, I.
Contribution to the liquid-vapour equilibrium of potassium and sodium mixtures. (SGAE – 2522) 354558
Schrempp, B.
A space (-time) picture of hadronic diffraction. 353904
Schrempp, F.
A space (-time) picture of hadronic diffraction. 353904
Schrerir, K.
Method for reception of radioactive wastes in embedding materials. (Austrian patent document 325165/A/) 374412
Schriber, S.O.
Counterstreaming electron beam profile and position monitor. 363341
Experimental measurements on a 25 MeV reflexotron. 363340
Future of high intensity accelerators in nuclear energy. (AECL – 5903) 360731
Schricker, W.
Economic aspects of the LWR fuel cycle. 371257
Schrieder, G.
High resolution inelastic electron scattering and the excitation of magnetic dipole and quadrupole states in nuclei. (IKDA – 77/13) 364796
Schriempf, J.T.
Thermal transient analysis of pulsed heat deposition in sheet targets and observations of plasma spreading. 350903
Schrijver, H.
Measurements of A0620-00 with ANS. (CONF-7510169 –) 364290
Observations of Cygnus X-3 by ANS. (CONF-7510169 –) 364289
Schrock, S.L.
Self-welding evaluation of Type 304 and A286 stainless steel in the temperature range 800°-1140°F in flowing sodium. 369919
Schroder, E.
Nuclear ships: engineering a future transport system. 379849
Schroeder, B.
Diffraction dissociation in the reaction $pp \rightarrow pAK^+$ at 12 and 24 GeV/c. 353969
Dissociation of the proton into ($p\pi^+\pi^-$) in the reaction $pp \rightarrow pp\pi^+\pi^-$ at 12 and 24 GeV/c. 353940
Mass yields in the binary fission of Ag, La and Tb. 362035
Mass yields in the binary fission of Ag, La, and Tb. (LUNFD6-NFFR – 3013) 375150
Schroeder, E.
DNA repair in human lymphocytes. 349707
Nuclear merchant ship propulsion. 366002
Schroeder, H.
Helium embrittlement in austenitic steel. (AED-Conf – 77-031-003) 349600
Production of high circular polarization by ion surface scattering of ferromagnets. 355893
Unified description of circular polarization in supermultiplet lines of ions, excited by beam surface interaction. 374637
Schroeder, H.J.
Exposure during work in the controlled area of the Biblis A nuclear power plant. 370637
Radiation exposure during work in the controlled area of Biblis A nuclear power plant. 370638
Steam generator with a preheater. (German (F.R.) patent document 2346454/A/) 350224, 355401
Schroeder, J.
Further three-dimensional stress analysis of an intersection of a cylindrical shell with a plate. 355308
Schroeder, K.
Point defect interaction and early stages of clustering. 351908
The strength of SiC kiln furniture and its assessment by Young's modulus measurements at temperatures up to 1,400°C. 354587
Schroeder, M.
Coatings which can be decontaminated on concretes in nuclear power plants. 351675
Schroeder, R.
γ-spectrometric burn-up measurements on spherical fuel elements. (Juel – 1428) 355421
Schroeder, W.U.
Dissipation, mass exchange and the microscopic time scale of heavy-ion collisions. 362102
Energy dissipation, mass diffusion and interaction times for heavy ion collisions. (COO – 3496-63) 364784
Interaction times for damped heavy-ion collisions. 359440
Schroer, B.
'Fractional winding numbers' and surface effects. 361308
Axial anomaly and Atiyah-Singer theorem. 353125
Classical anomalies and local version of the Atiyah-Singer theorem. 355812
The relativistic quantum fields of the D=2 Ising model. 376940
Spin and statistics of quantum kinks. (PUC-TN – 18/76) 350543
Schroeter, H.J.
Method for the separation and extraction of radioactive krypton and xenon isotopes from waste gases. 370725
Schroeter, W.
Creation of point defects in germanium by plastic deformation. 370124
Precipitation of gold in silicon. 370210
Schroettrova, D.
On the mechanism of zirconium sulfate extraction with amines. 349258
Schroth, W.
A new look at the economic disposal of contaminated aerosol filters. 360522
Schubart, W.
Chemisorption and deuterium exchange of propylene on eta-Al_2O_3. 375465
Schubert, A.E.
Plutonium recycle: the impact of indecision. 369842
Schubert, C.J.
Repetitive high power switching technology. (EPRI-ER – 376-SR) 361594
Schubert, J.F.
Digitization of acoustic sounder data. (DP – 1455) 367439
Schubert, K.
Crystal structure of AuCd.r. 354489
Crystal structure of Ptsub(1+)In. 378640
Schubert, P.
Heat transfer device. (German (F.R.) patent document 2350980/A/) 357900
Heat transfer equipment. (German (F.R.) patent document 2350980/B/) 352368
Schubert, V.
Rate constants for the reaction of hydrogen and deuterium atoms wtih silane. 351529
Schubiger, P.A.
Neutron activation analysis on ancient Greek silver coins and related materials. 372923
Schuch, R.
Charge dependence of double K-vacancy states in collisions of Ssup(n+) (n=5, 8, 10, 12, 13, 14) on Ar at 1 MeV/amu. 358823, 377115
The contribution of one- and two-step process to non characteristic radiation in solid target. (INIS-mf – 3996) 364110
Experimental determination of the production mechanism for noncharacteristic radiation in swift heavy-ion collisions. 374636
Impact-parameter dependence of K-shell vacancy sharing in heavy-ion collisions. 350678, 366366
K-shell ionization cross sections in nearly symmetric collisions by S and Cl impact. 374638
K-shell ionization probability in energetic nearly symmetric heavy-ion collisions. (WIS-Ph – 77/20) 366378
Schuch, R.L.
HERMES II experimenters' manual (revised). (SAND – 77-0341) 374085
REBA experimenters' manual. (SAND – 77-0340) 374084
Rehyd development and installation report. (SAND – 77-0599) 379515
Schuchardt, M.C.
Recent results and developments on the disposal of radioactive wastes in the Asse Salt Mine. 358523
Schuchkow, I.I.
Nuclear reactor control rod. (German (F.R.) patent document 2449930/A/) 350169
Schuchmann, M.N.
Radiation chemistry of carbohydrates. 359805
Schuck, P.
Mode coupling and Dyson's finite boson expansion in nuclei. 359437
On the decomposition of the single-particle density in a time-even and time-odd part. 372657
Schueckler, M.
Investigation of the long-term radiological environmental impact caused by an accumulation of nuclear facilities. (KFK – 2435) 357731

Schueler, H.
A case of tritium contamination of ground water. 370286
Schueler, R.
Proton magnetic resonance and molecular motion in solid methyl-piperidines and piperazines. 353484
Schuelken, H.
Experimental investigations of the meltdown phase of UO_2-Zircaloy fuel rods under conditions of failure of emergency core cooling. (KFK – 2435) 357776
Schueller, F.C.
Poloidal beta limits in high-density tokamaks due to neoclassical ion heat conduction. (INIS-mf – 3963) 374855
Schueller, H.
Photoproduction of pions on polarized protons and neutrons in the second resonance region. (BONN-HE – 77-11) 369342, 372502
Schueller, H.J.
Fracture studies and detection of causes of failure. Problems with ferrous materials. 349491, 349511
Schueller, J.
Spleno-porto-scintigraphy. (INIS-mf – 4010) 367631
Schueller, W.
Fuel reprocessing and waste treatment at Karlsruhe Nuclear Research Centre. 367202
Safety aspects of LWR fuel reprocessing and mixed-oxide fuel fabrication plants. 369834
Schuemichen, C.
Bone affinity of sup(99m)Tc-EHDP compared to other bone seekers. (INIS-mf – 4010) 362754
Kinetics of various sup(99m)Tc-Sn-pyrophosphate compounds in the rat. Pt. 2. 354408
Schuengel, P.
Screw fastening device for the opening and closing of a reactor vessel lid. (German (F.R.) patent document 2428847/A/) 355314
Stud tensioner for opening and closing the head of a reactor pressure vessel. (German (F.R.) patent document 2428847/B/) 352477
Schueren, B. van der
Autoradiographic study of tumor traceraccumulation in experimental infectious lesions. (INIS-mf – 4010) 370408
Schueren, H.
An energy-independent albedo-dosimeter for neutrons. 361034
Schuerer, M.
Stationary transport processes of charge carriers in a dense, stational, isothermal, thermionic weakly ionized plasma. Continuum theory. 353542
Schuerkes, P.
X-ray analysis of thick targets with α-particles. 378092
Schuerlein, B.
Measurement of the $(K^+ \rightarrow \pi^0 \mu^+ \gamma)/(K^+ \rightarrow \pi^0 e^+ \gamma)$ branching ratio. 356509
Schuessler, H.
The reaction rates of electrons with native and irradiated ribonuclease. 352005
Schuette, F.J.
A method of calculating the density matrix for a system of interacting bosons in coherent-state basis. 371444
Schuette, G.
Solution of the cranking model to all orders. 356655
Schuettelkopf, H.
Environmental surveillance for plutonium at the Karlsruhe Nuclear Research Center from 1973 to 1975. 349609
Investigations on ^{129}I radioecology. (KFK – 2435) 357546
Theoretical and experimental investigations of the atmospheric diffusion of radioactive gases and aerosols and of the probabilistic radiation doses around nuclear plants due to accidental activity releases. (KFK – 2435) 357760
Schuettmann, W.
Clinical examinations of the human skin exposed to low-level irradiation. 354814
A whole-body counter for radiation protection purposes. 355050
Schuetz, W.P.
Measurement of the electron – deuteron elastic scattering cross section in the range 0.8 less than or equal to q^2 less than or equal to 6 GeV^2. (SLAC-PUB – 1596) 361869
Schuetze, H.
Thermodynamic carbon isotope effect for solubility of ethane in water. 349195
Schuetze, W.
Determination of reactivity effects in power operation of a reactor based on perturbation measurements. 355395
Schuetzenduebel, E.G.
Feedwater chemistry for steam generators in HTR reactors. 376545
Schuetzenduebel, W.G.
HTGR steam generator development. 379702
Schuetzle, R.
Comparative SSYST-1 calculations on the TREAT-FRF2 experiment. 370610
Conception of a model for the description of the rewetting phase of reactor fuel pins following a loss-of-coolant accident. (IKE – 2-37) 352240
Schuhl, C.
Photoproduction of negative pions on D and ^4He in the Δ(1236) region. (LYCEN – 7702(pt.1)) 369460
Schuhmacher, D.
Evaluation of high-temperature alloys for nuclear process heat applications. 360881
Schuhmacher, J.
A half automated, non time consuming radiochemical separation scheme for determination of 25 trace elements in biological specimens. 372924
Schuhmann, H.
Design and construction of Brunsbuettel Nuclear Power Station. 376495
Schukraft, J.
Fission of ^{238}U induced by ^{136}Xe for energies close to the Coulomb barrier. 359488
Schul'ts, G.
Diffraction back scattering of alpha particles and the optical model. (JINR-R – 4-9519) 349126
Schulak, J.A.
Parathyroid adenoma imaged by Ga-67 citrate scintigraphy: case report. 373640
Schule, R.
Charge dependence of double K-vacancy states in collisions of Ssup(n+) (n=5, 8, 10, 12, 13, 14) on Ar at 1 MeV/amu. 358823, 377115
Collisional configuration rearrangement in fast Ne projectiles. (INIS-mf – 3996) 364111
The contribution of one- and two-step process to non characteristic radiation in solid target. (INIS-mf – 3996) 364110
Experimental determination of the production mechanism for noncharacteristic radiation in swift heavy-ion collisions. 374636
Impact-parameter dependence of K-shell vacancy sharing in heavy-ion collisions. 350678, 366366
K-shell ionization cross sections in nearly symmetric collisions by S and Cl impact. 374638
Schuler, K.P.
Depolarization effects in pulsed photoionization of state-selected lithium. 350556
Operating experience with the polarized electron gun at SLAC. 363130
Schuler, R.H.
On the precursor of fragment radicals in the radiolysis of normal alkanes. 375688
Schull, C.G.
Low temperature and neutron physics studies. Progress report, September 1976 – August 1977. (COO – 3342-6) 379846
Schuller, I.
Deviations of the equilibrium order parameter from mean field theory in superconducting aluminum films. 351749
Schuller, I.K.
Photoexcitation in superconductors. 373265
Schulman, L.S.
Thermodynamic arrow for a mixing system. 368590
Schulson, E.M.
High strength corrosion-resistant zirconium aluminum alloys. 357234
The notch-sensitivity of ordered Zr_3Al. 373266
A short review of the physical metallurgy of ordered Zr_3Al: science and engineering. (AECL – 5843) 359981
Schulster, D.
Radioreceptor assays: plasma membrane receptors and assays for polypeptide and glycoprotein hormones. 357709
Schult, F.
Changes in pressurized water reactor group constants caused by burnup and the role of fuel nuclides. 355254
Strong burnable poisons in the PWR lattice. 370800
Schult, O.W.B.
Applied nuclear physics for life sciences. 357710
In-beam γ-ray spectroscopy at tandem van de Graaff accelerators. 356872
Shifts in xenon K X-ray energies following electron-capture beta decay and the role of nuclear hyperfine structure. 356719
The study of the (n,α) and (n,γα) reactions on ^{143}Nd. 356677
Schult, R.L.
Reanalysis of three-pion production data with fully analytic, unitary functions. 351193
Schulte-Frohlinde, D.
Formation of radical cations and zwitterions versus demethoxylation in the reaction of OH with a series of methoxylated benzenes and benzoic acids. 357172
The influence of protonation or alkylation of the phosphate group on the e.s.r. spectra and on the rate of phosphate elimination from 2-methoxyethyl phosphate 2-yl radicals. 378954
Laser flash photolysis and quantum yields of the direct photochemical cis-trans isomerization of 4-nitro-4'-methoxystilbene in cyclohexane solutions in presence of quenchers. Model for the photoisomerization of nitrostilbenes. 359778
Mechanism of the first order decay of 2-hydroxy-propyl-2-peroxyl radicals and of O_2^- formation in aqueous solution. 358863
Reactions induced by hydroxyl radical attack on acetylene in aqueous solution. A pulse radiolysis study. 378502
Schulte, C.W.
Comparison of positron annihilation behaviour with lattice expansion in Ni, Fe and V at low temperatures. 368806
Temperature dependence of positron trapping in silver and nickel. 350718
Schulte, F.K.
On the theory of the work function. 353485
Schulte, H.
Screw fastening device for the opening and closing of a reactor vessel lid. (German (F.R.) patent document 2428847/A/) 355314
Stud tensioner for opening and closing the head of a reactor pressure vessel. (German (F.R.) patent document 2428847/B/) 352477
Schulte, K.
The history of the fast breeder reactor. 355476
Schulte, R.
Total cross sections for charged-current neutrino and antineutrino

interactions in BEBC in the energy range 20-200 GeV. 353945
Schulten, R.
Are power plant parks necessary from the point of view of the energy market. (INIS-mf - 4097) 366149
Decisions of the way to the future energy supply - a fatal question for society. 380087
Design considerations on high-temperature reactors for process heat applications. 379703
The future provision of liquid and gaseous hydrocarbons from coal gasification and the long-term prospects for a hydrogen technology. 355432
The importance of the high-temperature reactor for the future energy market. 361149
Investigations of the possibility to use organic gadolinium compounds for HTR shutdown. 370984
Multipurpose nuclear process heat for energy supply in less-industrialized countries. 352520
New secondary energy systems. 368433
Numerical investigations of the breeding behaviour of a pebble-bed HTR. 370801
Problems of nuclear power. 376874
Utilization of nuclear energy for refining fossil fuels, for manufacturing steel and chemical products, and for the production of electric power. 355437
Schultheiss, G.F.
Model for formation and growth of local blockages in grid spaced fast sodium cooled breeder fuel elements. 373864
Schultz, A.
Ba + HCl → BaCl + H. Energy dependence of the BaCl product population distribution. 377116
Schultz, H.
A computer code for calculating the atmospheric transport of radioactive pollutants under inhomogeneous and instationary conditions. 370627
Growth of high-melting metal monocrystals in the ultra-high vacuum. 367222
Meteorological diffusion models for a computer program for instationary and inhomogeneous dispersion of radioactive pollutants. 370624
Modelling of the diffusion of pollutants in the atmosphere under varying conditions in large cultivated regions. (KFK - 2435) 358610
Schultz, K.R.
Review of hybrid reactor fuel cycle considerations. (GA-A - 14475) 372016
Review of the current status of linear hybrid reactor concepts. (GA-A - 14538) 372015
Schultz, L.
Superconducting properties of powder metallurgically produced Cu-Nb_3Sn composite wires. 370109
Schultz, P.F.
High-P/sub transverse/^{2} p-p elastic scattering in pure initial spin states. 359343
Spin-spin interactions in high-transverse momentum elastic p-p scattering. 359344
Schultz, S.P.
Utility needs for fuel rod modeling capability. 360898
Schultz, V.L.
Flux pinning in superconductors with different defect distributions. 359982
Schultz, W.E.
Behind casing water volume flow rate measurement using gamma ray spectral degradation. (US patent document 4,032,778/A/) 365675
Schultze, K.
Total cross sections for charged-current neutrino and antineutrino interactions in BEBC in the energy range 20-200 GeV. 353945
Schulz-Forberg, B.
Thermal test methods and experience in the Federal Republic of Germany. 350035
Schulz, B.
Fuel rod development. (KFK - 1277/2) 371039
Thermal conductivity and microstructure of alternative fast breeder materials. 370103
Schulz, F.
Operation of the Karlsruhe Isochronous Cyclotron in 1976. (KFK - 2461) 359522
Schulz, G.
Studies on the platelet radioactive anti-immunoglobulin test. 365494
Schulz, H.
Density distribution in rapidly rotating nuclei. 362010, 364707
The instability of rapidly rotating nuclei towards emission of nucleons. 354059
Temperature dependence of the k = O optical phonons of Bi and Sb. 353436
Schulz, H.H.
Systematic hyperfine structure measurements in the B-X electronic transition of $^{127}I_2$ by use of a cw dye laser. 355859
Schulz, K.
Optimization of the low-temperature rectification technique for Kr 85 separation from the waste gas of reprocessing plants. 369827
Schulz, K.D.
Studies of the main source of radioactive corrosion products in the primary circuit of pressurized water reactors. 364992
Schulz, M.
Bounce-averaged synchrotron loss in a dipole field. 351082
Temperature dependence of the EPR spectrum of ruby. 374727
Schulz, N.
Spin and g-factor of the 40keV level in ^{49}Ti. (CRN-PN - 77-2) 354269
Schulz, Norbert
Intruder states in 1fsub(7/2) nuclei. (CRN-PN - 77-8) 372811
Schulz, P.A.
Molecular beam studies on multiphoton dissociation of polyatomic molecules. (LBL - 6275) 358748
Schulz, R.J.
The effects of ultra-high dose rates on survival and sublethal repair in Chinese-hamster cells. 376071
Schulz, U.
The afterloading system of Essen for the intracavitary radiotherapy. 354919
Application of tracer techniques to the determination of zinc distribution in $ZnSiP_2$ growing in the gaseous phase. 349967
Schulz, W.W.
Bidentate organophosphorus extractants: purification, properties and applications to removal of actinides from acidic waste solutions. (ARH-SA - 263) 363650
Conversion of radioactive ferrocyanide compounds to immobile glasses. (US patent document 4,020,004/A/) 374416
Schulze-Hagenest, D.
Investigation of diffraction dissociation in single pion production reactions in nucleon-nucleon collisions at 12 GeV/c. (BONN-HE - 75-1) 366881
Schulze, B.M.
Influence of finite injections and of interplanetary propagation on time-intensity and time-anisotropy profiles of solar cosmic rays. 356317
Schulze, D.
Ion-plating and vapour deposition of steel substrates with copper in a technical vacuum equipment. 368905
Schulze, G.
(n,γ) methods for mineral exploration by borehole probes. (KFK - 2495) 376014
In-line determination of fissile material in high-activity solutions. 367203
Schulze, G.K.
ORIC RF system: preparation for HHIRF. (CONF-770313 - 83) 365754
Schulze, H.
Method of production of notched bar impact bending test pieces from metallic materials with small dimensions. (German (F.R.) patent document 2557720/A/) 376397
Schulze, H.A.
Characterization and fission product behaviour in carbide-containing oxidic fuel particles. 370960
Effect of fast neutron flux on the irradiation behavior of graphitic materials and pyrolytic carbon. 373380
Fast neutron flux variations influencing the behaviour of graphitic materials and pyrolytic carbon on irradiation. 370213
Schulze, K.
Electrolytic growth of niobium monocrystals in an alkali fluoride melt. 367223
Steady-state oxygen-solubility in niobium. 359687
Schulze, R.-E.
Effect of fast neutron flux on the irradiation behavior of graphitic materials and pyrolytic carbon. 373380
Schulze, R.E.
Fast neutron flux variations influencing the behaviour of graphitic materials and pyrolytic carbon on irradiation. 370213
Schumacher, B.J.
Rotating target neutron generators. 355173
Schumacher, E.
Multiphoton ionization: mass selective laser-spectroscopy of Na_2 and K_2 in molecular beams. 371492
Schumacher, G.
Calculational and experimental approaches to the equation of state of irradiated fuel. (KFK - 2493) 367326
Post-accident heat removal for gas cooled fast reactors. (CONF-761001 - P4) 362895
Schumacher, H.
Integral fuel and waste management schemes for the implementation of nuclear power. 352920
Schumacher, M.
Delbrueck scattering of 2.75 MeV photons by uranium. 362103
Elastic photon scattering. 353355
Nuclear resonance fluorescence in ^{94}Mo, ^{95}Mo and ^{96}Mo. 351417
Rayleigh scattering of 59.54 keV photons from Zn, Mo, Sn, Ta, Au and Pb through angles from 60° to 150°. 353356
Schumacher, R.
An ESR investigation of the vanadium pentoxide-water system illuminated in the solar spectrum range. 374704
SURMACS. (EPRI-ER - 536-SR) 372092
Schumann, E.
Costal osteoradionecrosis as rare complication in conventional deep therapy of mamma carcinoma. 354820
Schumann, F.
Formation and properties of noble gas clathrates of hydroquinone. (SAAS - 220) 365077
Schumann, J.
Experimental examinations about the proliferation and radiotherapy after administration of Vincristin and Adriamycin. 367492
Schumann, P.
Noise analysis system for early detection of malfunctions in pressurized water reactor nuclear power plants. 350168
Schumann, U.
Analysis of the fluid-structure dynamic interaction of reactor pressure vessel internals during blowdown. (AED-Conf - 77-403-007) 368160

GAMM – workshop on fast solution-methods for the discretized Poisson equation. 366464
Natural vibrations of a PWR reactor core shell in vacuum and water. 370926
Schunke, A.
Immunological aspects of ionizing radiations. 354769
Schupler, B.R.
Infrared spectra of the WN stars HD 50896 and HD 151932. 372123
Schupp, A.A. Jr.
Mechanical design of the Doublet III indented vacuum vessel. (GA-A – 14591) 371776
Schuricht, V.
About the calculation of bremsstrahlung outside of accelerator buildings. 359363
Influence of the composition of radionuclide mixtures on the maximum permissible concentration. (TU-Inf – 05-41-75) 349909
Response dependence of an albedo-neutron dosemeter on the properties of shielding. (TU-Inf – 05-36-76) 366017
Schuss, J.J.
Electron number density measurement by ruby laser interferometry. (CONF-770725 – 1) 358926
Measurements of the parametric decay of CO_2 laser radiation into plasma waves at quarter critical density using ruby laser Thomson scattering. (PPPL – 1394) 377532
Schussler, F.
The decay of ^{136}Te (20.9s). 354262
Schuster, A.G.
Duplicate plants: one approach to standardized licensing that works. 358574
Schuster, B.
Multiple HEPA filter test methods, January – December 1976. (LA – 6852-PR) 357841
Schuster, G.B.
Dioxetane chemiluminescence. The effect of deuterium substitution on the thermal decomposition of trans-3,4-diphenyl-1,2-dioxetane. 362189
Energy dependence of the radiationless deactivation rate for the azulene system probed by the effect of external high pressure. 378344
High pressure studies of fluorenone emission in plastic media. 369676
High pressure study of the effect of viscosity on the quenching of naphthalene fluorescence by biacetyl. 369602
Schuster, H.
Evaluation of high-temperature alloys for nuclear process heat applications. 360881
Irradiation creep of two reactor-grade graphites measured continuously between 850 and 1100°C. 370170
Study of high-temperature alloys for heat transfer components of the prototype plant for nuclear process heat generation. 370788
Study of the structure of pyrocarbon coatings of fuel particles by transmission electron microscopy. (Juel – 1309) 354600
Schutz, B.F.
New criterion for secular instability of rapidly rotating stars. 359050
On the existence of ergoregions in rotating stars. 374959
Schvachka, A.B.
Dynamics of the collisions of two space dimensional pulsons in phi^4 field theory. 355729
Schwab, M.
Regulated particle-delivery system for vacuum furnaces. 360590
Schwabenbauer, W.
K/C age determination in potassium fieldspars. 375987
Mass spectrometric isotope dilution analysis of small calcium concentrations in minerals. 367034
Schwaiger, C.
Simulation of radiation-induced creep in special steels. 370214
Schwalbe, W.
Estimation of the pressure load on the containment during hypothetical steam explosions. 370531
Schwall, R.E.
Fast ramp superconductor for ohmic heating coils. (CONF-771029 – 180) 377563
Mechanical design of ORPUS-3. (CONF-771029 – 149) 377533
Superconductors for tokamak poloidal field coils. (CONF-770801 – 17) 359012
Schwalm, D.
Coulomb excitation of deformed nuclei using very heavy ions. (ZfK – 336) 364750
Coulomb excitation of sd shell nuclei: a self-contained set of B(E2) values and lifetime measurements. 375203
Doppler shift measurement of differential K-vacancy production cross sections in heavy collision systems. 353255, 377022
LMFBR: subassembly fault detection and identification by temperature noise analysis. (CONF-761001 – P2) 362991
Recoil distance investigation of yrast states in ^{158}Dy. (ZfK – 336) 364749
Schwalm, W.
Surface densities of states for normal photoemission from Mo(110) and W(111). 374725
Schwan, H.
Recalculations of some containment tests of the RS 50 research project, series D, using the CORAN code. 370611
Schwan, L.
ENDOR measurements of S^- centres in alkali halides. 374705
Schwanner, I.
Measurement of the circular polarization of muonic Ksub(α) X-rays in Se and Pd. 361330
Pion absorption by ^{3}He. 377963
Schwartz, A.
Patterns of second malignant neoplasms in children. 373571
Schwartz, A.S.
Method for the coating of particles with single layers of pyrolytic carbon having different densities. (German (F.R.) patent document 1902344/C/) 352701
Schwartz, B.B.
High-field critical current in in situ multifilamentary Cu-Sn-Nb alloys. 367244
Large-scale applications of superconductivity. 360646
Spin density of states of proximity effect superconducting sandwiches in high fields. 349046
Schwartz, D.M.
Measurement of the angular correlation parameters in the BETA decay of polarized Λ hyperons. (COO – 1545-215) 364585
Schwartz, H.M.
An axiomatic deduction of the Pauli spinor theory. 368591
Schwartz, J.-Ch.
Endorplims in several regions of rat brain: large differences between radioimmunoassay and radioreceptor assay. 354946
Schwartz, M.
Some notes concerning ISABELLE electronic instrumentation. (BNL – 50611) 357993
Schwartz, M.H.
Survey of thorium utilization in power reactor systems. 365946
Schwartz, R.W.
Emission spectra of $Cs_2NaTbCl_6$ and Cs_2NaYC_6: Tb^{3+}. 368711
Schwartz, U.
Nuclear start-up. 376583
Schwartz, W.
Conference bacterial leaching 1977. 365366, 365370, 365498
Schwarz, A.S.
On spherically symmetric fields in gauge theories. 368587
On symmetric gauge fields. 366299
Topologically nontrivial solitons of classical equations and their role in quantum field theory. (JINR-D – 2-9788) 374586
Schwarz, D.
Improvements in energy transforming engineering. 355662
Schwarz, E.
Comparison of the π^+ and π^- elastic scattering from ^{12}C over the πN(3,3) resonance region. 362089
Proposal for an experimental program at SIN. Study of pion – nucleus scattering using a magnetic spectrometer. (LA-tr – 77-84) 377985
Schwarz, E.R.
Report on the international conference on nuclear energy and its fuel cycle. Pt. 1. 361167, 376821
Schwarz, G.
The diffusion of ion-implanted zinc in GaAssub(1-x)Psub(x). 350760
Schwarz, H.
Heidelberg 3MV c-w heavy ion postaccelerator section using independently phased spiral resonators. 363266
Metabolism and excretion of ^{32}P-aminophon in lactating cattle. 373597
Operation experiences with the test section of a superconducting heavy ion post accelerator. 363252
Procedure for purifying a filter column. (German (F.R.) patent document 2513427/B/) 352395
Schwarz, H.A.
Gas phase infrared spectra of oxonium hydrate ions from 2 to 5 μ. 369808
Schwarz, Helmut
Kinetic energy of laser accelerated charged particles in a plasma and the possibility of pair production. 359013
Schwarz, J.
Monitoring of power gradients in reactor operation using the BLUS code. 370859
Schwarz, K.
Calculations of 2γ-angular correlations and Compton profiles for TiC. 377269
Survival of irradiated mammalian cells. 373489
Schwarz, M.
KNK-II design with regard to neutron physics and thermohydraulics. 370806
Schwarz, N.
Contribution to the liquid-vapour equilibrium of potassium and sodium mixtures. (SGAE – 2522) 354558
Schwarz, N.F.
Corrosion of stainless steels by high temperature, low oxygen alkali metals. (CONF-760503 – P2) 352777
Schwarz, O.
German power plant school, its nuclear power plant simulators and its availability for training engineers of foreign countries. 352603
Schwarz, W.
Oxygen enrichments in Nb surface layers and their apparent conductivity as observed by the superconducting penetration depth Δlambda (T,f,B/sub ac/). 367270
Schwarz, W.F.
ECC performance during loss-of-coolant experiments in a small pressurized water reactor. 357763
Emergency core coolant delivery in the LOFT non-nuclear experiment series. 376524
Schwarz, W.H.E.
Pseudo-potential approach including relativistic effects. 374619
Schwarzbach, R.
Removal of radioiodine from the exhaust air of the isotope production at the Central Institute for Nuclear Research, Rossendorf. (SAAS – 220) 365722

Schwarzenegger, K.
Nonlinear self-modulation of ion-acoustic waves. (IPPJ - 289) 366561
Schwarzer, C.
Consequences of ultimate sequences of HTGRs. 352189
Schwarzer, K.
Contribution to the understanding of the dispersion of radioactive materials in the ground - a possible way of calculation. 370427
Schwarzer, W.
Standardization in nuclear engineering. 366232
Schwarzin, K.
The emergency cooling system of the KNK-II reactor. 376589
Schwarzkopf, G.
Real-time automatic evaluation of solid state nuclear track detectors with an on-line TV-device. 368264
Schwarzlose, J.
Current status of isotope utilization in mining and ore processing. 373961
The ISW-1 "Oleandr" air pollution meter. 373948
The portable TOR-1 backscattering thickness gage. 373949
Schwarzmeier, J.L.
Stability of BGK equilibria. (INIS-mf - 3963) 372052
Schwarzrock, R.
A combination of several procedures for the diagnosis of hematological diseases. (INIS-mf - 4010) 367704
Schwarzschild, M.
Mixing between burned core material and surface layers. 369196
Schwazmiller, K.O.
Effects of thermal discharges on aquatic biota. Combined effects of waste heat and environmental factors acting in concert. (BNWL - 2100(Pt.2)) 362594
Schwebel, C.
Improved ion beam sputtering technique and its application. 368783
Schweda, M.
On the infra-red finiteness of massless BPHZ renormalized quantum electrodynamics. 363803
Schweickert, H.
Operation of the Karlsruhe Isochronous Cyclotron in 1976. (KFK - 2461) 359522
Safety Research Program for Light Water Reactors. Technical report 2: BMFT support project RS 0036 B. Reflooding experiments with regard to primary circuits (PKL) instrumentation of experimental setup. (LA-tr - 77-39) 352291
Safety Technology Research Program in the field of pressurized water reactors. 1. Technical report on advancement project RS 36/2. Emergency cooling program service life experiments: reflooding experiments involving the primary loop systems. (LA-tr - 77-44) 352292
Schweiger, F.
Method for temporary shut-down of a high-temperature nuclear reactor. (German (F.R.) patent document 2217816/C/) 355438
Process for occasional shutdown of a high temperature nuclear reactor. (German (F.R.) patent document 2265032/B/) 355439
Shut-down method for a high-temperature reactor. (German (F.R.) patent document 2264947/B/) 355441
Test or measuring sphere for nuclear reactors with spherical fuel elements. (German (F.R.) patent document 2315847/C/) 355440
Schweiger, W.
Investigations of the mechanical behavior of Zry-4 cladding material at high temperatures. (KFK - 2435) 357249
Schweikert, E.A.
Activation analysis opportunities using a $5x10^{12}$ to $5x10^{13}$ n/sec 14 MeV generator. 369579
Comparison of nondestructive proton and neutron activation. 375392
Hydrogen and deuterium analysis by heavy ion activation. 369563
Schweingruber, F.H.
Methodological problems relative to the measurement of the density and width of growth rings by X-ray densitogrammes of wood. 365785
Schweitzer, J.S.
Low-energy proton reactions on ^{45}Sc of interest in stellar nucleosynthesis. 354263
Schweizer, J.
On the magnetic ordering of $CeAl_2$. 355942
Rare earth wave function determination by polarized neutron diffraction in $REAl_2$. 378591
Schweizer, P.
Preclinical experiments with the SIN negative pi-meson beam. RBE values for tumour and normal cell systems, and genetic damage studies in the beam peak and plateau regions. 378963
Schwemmer, B.
Radioimmunological determination of testosterone levels and binding capacity for testosterone in serum of patients with carcinoma of the prostate. (INIS-mf - 4010) 370495
Schwendiman, L.C.
Transport of particles through gas leaks: a review. (BNWL - 2218) 357842
Schwenk, E.B.
Program to develop acoustic emission-flow relationship for inservice monitoring of nuclear pressure vessels. Progress report, February 1 - July 1, 1977. (BNWL - 2232-2) 374204
Schwenterly, S.
Temperature dependence of the superfluid density in restricted geometries determined by an oscillating U-tube technique. 351130
Schwenterly, S.W.
Performance of 4.2 K cryopumps in neutral beam injectors. 377534
Schwerd, K.
Semi-conductor probe for eye carcinomas diagnosis. (INIS-mf - 4017) 374295
The semiconductor detector probe 72030, with the RFT radiation measuring unit 20026, for the diagnosis of intraocular tumors. 355500
Schwerdtfeger, R.
Mechanism of donor to host tolerance in rat bone marrow chimeras. 370373
Schwesinger, B.
Excitations and electromagnetic transitions in the renormalized random-phase approximation. 351310
Moments and electromagnetic transitions for even-odd nuclei in the Pb region. 351309
Schwettman, H.A.
Elimination on electron multipacting in superconducting structures for electron accelerators. 360728
Initial performance of the Stanford Superconducting Recyclotron. 363180
To develop a pion facility for cancer therapy. Final report 15 June 1972 - 31 May 1975. (PB - 267946) 363342
Schwiers, G.
Safety design philosophy of a failure-proof pressure vessel, illustrated by the example of the prestressed THTR control gas vessel. 370858
Schwiers, H.G.
Characteristics of the prestressed cast construction and its preferential fields of application. 370826
Schwinberg, P.B.
Proposed scheme to catch positrons in a Penning trap. 371159
Schwind, E.
Electrolysis cell for the preparation of uranium (IV) nitrate solutions. (German (F.R.) patent document 1592424/B/) 354374
Schwirian, R.E.
Pressure pulse test results and qualification of the FLASH-34 flexible structural member model with a surge tank attached to the test vessel (LWBR Development Program). (WAPD-TM - 1290) 357815
Schwirzke, F.
Measurements of spontaneous magnetic fields in laser-produced plasmas. 364247
Schwitter, A.
Study on antiprotonic atoms of light nuclei and isotopes. 371523
Schwitters, R.F.
D meson production and decay in e^+e^- annihilation at 4.03 and 4.41 GeV c.m. energy. 353989
Fundamental particles with charm. 372483
Spin analysis of charmed mesons produced in e^+e^- annihilation. 351228
Schwitters, R.H.
K^0 production in e^+e^- annihilation. 353983
Schwitz, W.
Precision measurement of the 3d-2p transition energy in muonic Mg, Si, P, by crystal spectrometer. 376954
Schwob, J.L.
The origin of Ksub(α) radiation in laser-produced aluminium plasma. 356168
Schwoch, D.
Complete molecular structure determination of pentaboranee(9) by rotational spectroscopy. 378391
Schwochau, K.
Method for recovering uranium from sea water. (Juel - 1415) 354694
Preparation, infrared spectra and X-ray studies of the tetraformates of thorium, protactinium, uranium, and neptunium. 349321
Schwuttke, G.H.
Minority carrier lifetime and defect structure in silicon after cesium implantation. 371682
Sciarrino, A.
Quarks and the Poincare group: SU(6) x SU(3) as a classification group for baryons. 353773
Sciubba, A.
Multihadron production e^+e^- annihilation at 1.6 c.m. energy. 364575
Sciulli, F.
Normalized small-y cross sections for neutrinos and antineutrinos at high energy. 359333
Rate of dimuon production from neutrinos and antineutrinos at high energy. 366880
Sciulli, F.J.
Charged current differential distributions in the Caltech-Fermilab γ-experiment. 353931
A measurement of the neutral current coupling in neutrino inclusive reactions. 353932
Sciuto, S.
Instantons and transverse pure gauge fields. 361312
Scobel, W.
A quasi-free scattering preequilibrium model for (N, α) reactions. 354108
Statistical analysis of heavy-ion induced fission excitation functions. 364652
Scobie, J.
A search for fine structure of the time-of-flight spectrum of the fission neutrons of ^{252}Cf. 351418
Translocation of ^{11}C from leaves of Helianthus: preliminary results. 360388
Scocca, J.J.
An evaluation of Tween 80 effects on the survival and DNA repair in Escherichia coli following UV or gamma irradiation.

373496
Scoles, G.
Interaction of spin selected atomic hydrogen with surfaces. 368735
The isotropic part of the potential between two H_2 molecules. 353346
Scortaru, A.
Field ion microscope studies on thin films. 377174
Scorzelli, R.B.
Irradiation effects in orthopiroxenes related to contents of Fe^{3+}. 364114
Moessbauer spectroscopy study of the temperature and irradiation effects in tourmaline. 364112
Study by Moessbauer spectroscopy of the irradiation and temperature effects in the staurolite. 364113
Scott, A.
Excitation of neutron-hole states in ^{207}Pb by inelastic scattering of 61 MeV protons. 356873
Sensitivity of (α,α') cross sections to excited-state quadrupole moments. 354139, 372701
Systematics of M_{04} values in the rare-earth region. (ZfK – 336) 364715
Scott, B.R.
The induction of mutations to 2-thioxanthine resistance in inhibitor depleted conidia of Aspergillus nidulans by gamma-radiation in the presence of oxygen or nitrogen. 352020
Mechanistic state vector model for cell killing by ionizing radiation. 360233
Scott, C.A.
Filamentary niobium-tin hexapole magnet. (RL – 77-085/B) 352414
Training behaviour of pressure-impregnated superconducting racetract magnets. 360718
Scott, C.B.
Evaluation of BISO and TRISO coated ThO_2 fuel particles irradiated in HFIR capsules HT-12 through HT-15 and HT-17 through HT-19. (GA-A – 13557) 379704
Irradiation performance of Fort St. Vrain high-temperature gas-cooled reactor fuel in capsule F-30. 365947
Mechanical behavior of Biso-coated fuel particles during irradiation. II. Prediction of Biso particle behavior during irradiation with a stress-analysis model. 365928
Postirradiation examination of capsule P13Q. (GA-A – 14174) 379713
Properties influencing high-temperature gas-cooled reactor coated fuel particle performance. 365919
Scott, D.K.
Influence of intrinsic nucleon motion on energy spectra and angular distributions for ^{16}O-induced reactions at 20 MeV/A. 356769
Particle-particle angular correlations in peripheral heavy-ion reactions. 362065
Scott, D.M.
Approach to scaling in deep inelastic scattering and lepton pair production. 372449
Approach to scaling in deep inelastic scattering and lepton-pair production. 359282
Scaling violations in deep inelastic lepton scattering: how important is charm. 377736
Scott, D.S.
Thermodynamic properties and Hall currents in MPD accelerators. 371579
Scott, F.
The Dounreay Fast-Reactor uniaxial creep-measuring machine. 360755
Scott, J.F.
High temperature Raman spectroscopy of silver tetratungstate, $Ag_8W_4O_{16}$. 365212
Scott, J.H.
Borehole geophysical investigations in the South Texas uranium district. 375975
Non-radiometric borehole geophysical detection of geochemical haloes surrounding sedimentary uranium deposits. 349655
Scott, J.L.
Magnetic fusion energy materials technology program annual progress report for period ending June 30, 1977. (ORNL – 5323) 364248
Scott, J.S.
Formation of double radio source structures and superluminal expansion. 359067
Scott, L.G.
Studies of the surface and catalytic properties of boron phosphate with isotopic molecules. II. The interaction of equimolar mixtures of H_2 and D_2. 369677
Scott, L.M.
Comparison of sodium iodide and solid-state detectors for the measurement of lung-stored uranium. 371110
Theoretical evaluation of optimum detector size and positioning for low-energy in vivo gamma spectrometry. 371131
Scott, M.
Vapour quenching of copper-zirconium alloys. 367271
Scott, P.
Influence of zirconium on the extraction of niobium from nitric acid by phosphate esters. 359614
Scott, P.D.
Kinetics of dissolution of β-uranium trioxide in acid and carbonate solutions. 357115
Scott, P.F.
Acoustic transducer for nuclear reactor monitoring. (US patent document 4,020,693/A/) 374150
Observations of radio sources near K3-50. 359070
Scott, R.D.
A search for fine structure of the time-of-flight spectrum of the fission neutrons of ^{252}Cf. 351418
Scott, R.F.
Image analysis and beam damage. 371573
Scott, R.J.
Preparation of isotopically pure superfluid ^4He suitable for constructing a high density neutron source. 367875
Scott, R.L.
Annotated bibliography of safety-related occurrences in boiling-water nuclear power plants as reported in 1976. (ORNL/NUREG/NSIC – 137) 360478
Annotated bibliography of safety-related occurrences in pressurized-water nuclear power plants as reported in 1976. (ORNL/NUREG/NSIC – 138) 360479
Recent occurrences at nuclear reactors and their causes. 363012
Reportable occurrences at nuclear reactors and their causes. 379296
Review of safety-related occurrences in nuclear power plants as reported in 1976. 379295
Scott, T.
Electron impact excitation of one- and two-electron positive ions. 348709
Scott, T.A.
Pressure dependence of the melting and α-β phase transition temperatures of carbon monoxide. 351858
Scott, T.E.
Novel modelling technique for hot forming of metals. (IS-M – 105) 362357
Scott, T.L.
J/sub c/ changes after neutron irradiation of Nb_3Sn at 8 K. 373166
Scott, V.D.
A versatile atomic number correction for electron-probe microanalysis. 369557
Scott, W.G.
Ratio of neutral-current to charged-current cross sections for inclusive neutrino interactions in hydrogen. 351220
Scouras, J.
Health physics aspects of the EMI computerized tomography brain scanner. 370662
Screbrennikov, D.V.
D-T high vacuum pumping in fusion reactors. 368918
Scribano, A.
Measurement of $\pi^-p \rightarrow \pi^0n$ at large momentum transfer. 372503
A new fast and programmable trigger logic. 371097
Observation of a meson $X \rightarrow 2\gamma$, with mass 2.85 GeV/c^2, produced in the charge-exchange reaction $\pi^-p \rightarrow Xn$ at 40 Gev/c. 377780
Study of the reaction $K^-p \rightarrow$ anti K^0n at momenta of 25 and 40 GeV/c. 356482
Scrimaglio, R.
(πsup(+), ^4He) inelastic interaction at 110 and 160 MeV. 356489
(πsup(+),^4He) inelastic interaction at 100 and 160 MeV. 353928
New improvement in track localization in self-shunted helium streamer chamber. 355527
Scudder, J.D.
Test particle propagation in magnetostatic turbulence. 3: the approach to equilibrium. (N – 77-27864) 378929
Scudieri, F.
Hydrodynamic instabilities in nematic crystals by ultrasounds. 356054
Scully, L.
Proposed WIPP TRU waste form criteria. (SAND – 77-1178) 374449
Scuricini, G.B.
Italian activities in uranium enrichment. 367845
Scurlock, R.G.
Experiments on helium refrigerant at high speed of rotation. 360625
Thermodynamics of helium in high speed rotating machines. 360647
Thermodynamics of helium in the rotating frame between 3.0 and 6.0 K. 364444
Scutaru, H.
Coherent states and induced representations. 371432
Sczaniecki, P.B.
Temperature dependence of EPR spectra of /$Ni(NH_3)_6$/$^{2+}$ complexes in /$Cd(NH_3)_6$/$(BF_4)_2$. 377284
Sdobnov, V.E.
Integral multiplicities of cosmic-ray-neutron-component production at different depths in atmosphere. 357541
Sdouz, G.
Application of the reactor kinetics equations to the reactor safety analysis. (SGAE – 2572) 355006
CHAC-2. A computer program for solving the two-dimensional multigroup diffusion equations. (SGAE – 2528) 364613
Seabaugh, P.W.
Controllable unit approach to material control. 380135
Seabaugh, R.W.
Nuclear power: new technique for safeguarding special nuclear material. (MLM – 2474(OP)) 374508
Seaborg, G.T.
Large collision residues and nuclear fission in the interaction of 25.2-GeV ^{12}C with uranium. 351386
Possible mechanisms for ^{256}Fm and ^{256}Md production in the compound system $^{264}104$. (LBL – 5075) 356891
Search for superheavy elements in the bombardment of ^{248}Cm with ^{48}Ca. 351372
Seager, C.H.
Electrical properties and conduction mechanisms of Ru-based

thick-film (cermet) resistors. 373323
Seagren, R.D.
The full-scale cask program at ORNL. 350037
Obsolete cask program: oblique and center-of-gravity drop tests. (ORNL/TM – 1312(Vol.17)) 367953
Seal, E.
Image analysis and beam damage. 371573
Seamon, R.E.
Elastic neutron scattering from distributed fusion neutrons, deuterium, tritium, lithium, and multigroup rate coefficients. 356666
First meeting of the atomic and molecular data centre network, Vienna, 9-13 May 1977. Summary report. (INDC(NDS) – 88/GB) 356134
Minutes of the second meeting of the Joint IFRC/INDC sub-committee on atomic and molecular data for fusion, Vienna, 14 May 1977. (INDC(SEC) – 63/GA) 356133
Seamons, M.
Integrated minicomputer alpha analysis system. (LA-UR – 77-2968) 378946
Radiation monitoring by minicomputer. (LA-UR – 77-1907) 363589
Seamster, A.G.
Silicon detector ΔE, E particle identification; a theoretically based analysis algorithm and remarks on the fundamental limits to the resolution of particle type by ΔE, E measurements. 355582
Seaquist, E.R.
Model for the quiescent radio emission from Cyg X – 3. 361732
Sear, R.
Applicability of the 'ten-day rule' to radiopharmaceutical investigations. 370660
Sears, C.F.
At-power measurements of power coefficients and isothermal temperature coefficients. 358234
Sears, M.B.
Correlation of radioactive waste treatment costs and the environmental impact of waste effluents in the nuclear fuel cycle: conversion of yellow cake to uranium hexafluoride. Part I. The fluorination-fractionation process. (ORNL/NUREG/TM – 7) 374417
Releases of radioactivity from uranium mills and radwaste effluent costs. 379315
Sease, J.D.
Effects of processing variables on HTGR fuel kernels fabricated from uranium-loaded cation-exchange resin. 368171
Improved gas distributor for coating high-temperature gas-cooled reactor fuel particles. 365932
Improved gas distributor for coating HTGR fuel particles. 351836
Inspection of high-temperature gas-cooled reactor recycle fuel. (ORNL – 5165) 363372
Quality control tests for high-temperature gas-cooled reactor recycle fuel. 376544
Seaton, M.J.
Accuracy of the distorted-wave approximation for excitation of hydrogen ions. 353264
Effective potentials for electron-atom scattering below inelastic thresholds. 348734, 368706, 374639
Some OI oscillator strengths and the interstellar abundance of oxygen. 359190
Seatonberry, B.W.
A radioisotope dilution method for the precise absolute determination of the flowrate of gas under industrial conditions. 352364
Seau, C.
Problems posed by absolute filtration in reprocessing plants. 369843
Sebastian, K.V.
Densification in W-Cu sintered alloys produced from coreduced powders. 357062
Sebastiani, F.
Description and performance of MEA, the magnetic detector at ADONE. 379480
Multihadron production e^+e^- annihilation at 1.6 c.m. energy. 364575
Sebekin, A.P.
State special standard for absorption dose unit of X-ray irradiation with maximum photon energy from 3 to 9 fJ (20-60 keV). 376256
Sebening, H.
On the value of ECG-triggered scintigraphy of the heart's cavity. (INIS-mf – 4010) 362808
Sebhatu, M.
Modifications of a two-nucleon potential due to solitary waves in self-interacting spin-zero meson fields. 369331
Sebko, V.P.
Magnetic surface distorting under the effect of current helical perturbations in a stellarator on plasma ohmic heating. 374856
Stability of current magnetic structure relative to external helical perturbations. 361587
Sebyakin, Yu.N.
Landau – zener transtitions between autoionization states. (INIS-mf – 3915) 348668
Seccombe, P.K.
Sulfur isotope and trace metal composition of stratiform sulfides as an ore guide in the canadian shield. 373423
Sechin, L.G.
Effect of nature and filling degree of organic adsorbate on kinetics of electrode processes. 357036
Seck, Souleymane
Tomato volatile components: enzymatic formation of trans-2-hexenal. 354959
Secker, P.A.
CHAP: a composite nuclear plant simulation program applied to the 3000 MW(t) HTGR. (LA-UR – 77-1757) 358264
Secrest, D.
Rotational sudden approximation at low energies. 350668
Use of total cross sections for obtaining the anisotropic interaction potential in atom – diatom system. 368627
Seda, J.
Shape of the backscatter peak. 368321
Seddon, C.R.
Generalised $^1P_0$ model and its relation to the Melosh transformation. 366866
Seddon, W.A.
Correlation of optical and electron spin resonance spectra for metal-electron species in alkali metal solutions. 362281
Fast infra-red detectors for use in pulse radiolysis: a reversible slow component. 376654
Optical spectra and yields of solvated electrons and metal-electron species in alkali metal systems. 357148
Solvated electrons and the effect of coordination on the optical spectra of alkali metal cation-electron pairs in ethers. 362280
Sedel'nikov, V.I.
On estimate of possibilities of fluorescence X-ray radiometric method of element analysis by means of selective X-ray radiometric logging program. 378113
Sedgwick, T.O.
Method to induce a conductivity type in a semiconductor. (German (F.R.) patent document 1621272/B/) 367309
Sedlacek, Z.
Computation of two-stream explosive instability including harmonics generation and distribution function evolution. 372018
Self-consistent of two-stream explosive instability. (INIS-mf – 3963) 372017
A simple model of non-linear beam-plasma interaction. 353630
Sedlak, J.
Inclusive spectra in anti pp interactions at 22.4 GeV/c. 353941
Multiplicities and forward-backward correlations in anti pp interactions at 22.4 GeV/c. 366882
Stripping model of hadron collisions and antiproton-proton annihilations. 353860
Transverse momenta correlations in annihilations at 5.7 GeV/c. 366885
Twenty years of the Joint Institute for Nuclear Research in Dubna. 368500
Sedliakova, M.
Replication of DNA in UV-irradiated Escherichia coli in the absence of amino acids. 349708
Sedov, A.K.
Design and testing of a unified range of packaging assemblies for transporting gamma radiation sources. 350036
Sedov, N.Ya.
Multi-purpose spectrometric preamplifier. 358443
Preamplifier for an X-ray spectrometer. 358444
Sedov, V.K.
Corrosion resistance of structural materials of WWER-type nuclear reactor and migration of corrosion products in coolant loops. 367184
Power units with WWER-440 type reactors. 368152
Safeguarding radiation safety in nuclear power plant operation. 367795
Some improvements of the core and the fuel cycle of WWER type reactors. 368153
Ten years' operation experience of the Novovoronezh nuclear power plant. 368141
Vibroacoustic inspection of primary circuit equipment. 368161
Sedov, V.M.
Development of methods of solidification and burial of radioactive wastes from the fuel cycle. 368405
Economic aspects of the development of nuclear power and fuel-cycle plants in the USSR. 366127
Purification of liquid radioactive wastes by means of sorbents on bitumens base. 350395
Sedov, V.V.
Thermal and thermal-oxidative stability of radiation vulcanizates of ethylene-propylene rubber. 362269
Sedrakyan, D.M.
Cosmic rays from pulsars. 374955
Sedrakyan, R.G.
Charge carrier recombination in high-resistant n-InSb at 77 K. 374772
Sedunova, R.M.
Nitridation of sintered iron base alloys. (INIS-mf – 4046) 370092
Sedykh, T.S.
Study of Y_2O_3-SiO_2-SiO_2-Al_2O_3 system. 357061
Sedykh, V.S.
Low temperature effect on the working capacity of titanium steel explosion welded joints. 351772
Seeber, B.
Anisotropy of Hsub (c2) in the chevrel phases. 374692
Structure instability and structure transformation of the A15-type superconductor V_3Si. 377698
Seeber, S.
The effects of various kinds of sparsely-ionizing radiation on total cell RNA and preribosomal nuclear RNA of Novikoff Hepatoma ascites cells after in vivo labelling. 349752
Seebrunner, H.
Further evidence for production of electrons with small transverse momenta in pp collisions. 377784

Seed, H.B.
Site-dependent seismic response spectra for soft sites. 379230
Seed, T.J.
Hydrogen transport in a two-dimensional torodial plasma. 377569
TRIDENT: a new triangular mesh discrete ordinates code. (LA-UR – 77-2511) 377535
TRIDENT: a two-dimensional, multigroup, triangular mesh discrete ordinates, explicit neutron transport code. (LA – 6735-M) 351251
Seefeldt, W.B.
Temporal response methods for dynamic measurement of in-process inventory of dissolved nuclear materials. (NUREG – 0249) 380140
Seefried, W.D.
X-ray barrier type 25112 product analyzer – an important means for rationalizing agricultur production. 373962
Seeger, A.
Divacancy-hydrogen complexes in dislocation-free high-purity germanium. 370163
Formation and migration energies of monovacancies in tantalum. 351776
Self-interstitials, vacancies and their clusters in silicon and germanium. 370215
Seeger, W.
Dosimetry using the linear accelerator. Pt. 1. 365642
Reactor technology. (KFK – 1277/2) 371061
Seehafer, H.J.
Can the use of hest exchanger components at coolant temperatures of 950ºC be justified from the point of view of strength. 370789
Seehra, M.S.
Electron paramagnetic resonance in gadolinium near T/sub C/ . 359903
Seeley, F.G.
Nitric acid leaching of radium and other significant radionuclides from uranium ores and tailings. (ORNL/TM – 5944) 358501
Seeliger, D.
Calculation of (n,2n), (n,np) and (n,pn) cross sections considering pre-equilibrium processes. 349116
Neutron cross section evaluation for ^{93}Nb in the energy range from 30 keV to 20 MeV. (INIS-mf – 4043) 366938
Seeman, N.
Telecommunication with neutrino beams. 377826
Seepolt, R.
Investigations of the uses of programmes for fuel rod preservation. 370833
Seetharaman, M.
Causality of propagation of the Bhabha-Gupta field coupled to external electromagnetic and gravitational fields. 353137
Seetharami Reddi, T.V.V.
Gamma ray induced rice plants with 26 chromosomes. 376163
Seetharamiah, P.
Experience with fabrication and testing of 70-tonne spent fuel shipping casks. 350030
Sefchovich, E.
Effects of underdevelopment on developing nuclear power. 365844
Sefcik, J.A.
Reliability requirements for admissible radiological hazards from fusion reactors. 377530
Sega, G.A.
A study of unscheduled DNA synthesis induced by x-rays in the germ cells of male mice. 373542
Segal, A.W.
^{111}In labelled autologous leukocytes in man. (INIS-mf – 4010) 367632
Indium-111-labeled autologous leukocytes in man. 373694
Indium-111-labeled cellular blood components: mechanism of labeling and intracellular location in human neutrophils. 373630
Segal, Y.
Dual gauging utilizing penetrating and scattered photon fluxes. 363087
Gamma gauge for monitoring moisture in soil. (INIS-mf – 4052) 374315
Segal', V.M.
Recrystallization structure of the lunar nickel-containing iron. 349495
Segawa, T.
Research and development on removal of radioactive noble gases in Japan. 358503
Sege, G.
NRC nuclear energy center study. 370613
Segebade, Ch.
Quantitative evaluation of interference reactions in photon activation analysis. 372925
Segebade, Chr.
Application of X-ray spectroscopy in nondestructive photon activation analysis. 369580
Photon activation analysis of coins and objects of art. 372919
Segel, R.E.
Energetic charged particle yields induced by pions on complex nuclei. 359494
Segev, M.
Continuous neutron slowing down theory applied to resonances. 352448
Improved Adler-Adler type formulae for resonance cross sections. (INIS-mf – 4052) 372661
Seglie, E.A.
Molecular-orbital interpretation of the Δl = 1h transfer anomaly in heavy-ion reactions. 364717
Segovia, J.L. de
Desorption kinetics of an H_2 monolayer adsorbed on W(poly) at 300 K. 370038
Segre, G.
Absolute proton stability in unified models of strong, weak and electromagnetic interactions. 371405
Heavy leptons and trimuons in an SU(3) x U(1) model. 351177
Seguinot, J.
Anti pp and pp forward elastic scattering between 4 and 10 GeV/c. 356513
Sehested, K.
Conversion of hydroxycyclohexadienyl radicals of methylated benzenes to cation radicals in acid media. 357178
Dissociation of the OH adduct of N,N-dimethylaniline in aqueous solution. 365060
Sehgal, B.R.
Low sodium void coefficient LMFBR cores. (CONF-761001 – P2) 363013
Thorium-based fuels in fast breeder reactors. 368233
Sehgal, L.M.
A determination of the neutral current coupling constants from inclusive and semi-inclusive neutrino data. 361852
Sehmel, G.A.
Transuranic and tracer simulant resuspension. (BNWL-SA – 6236) 365336
Sehpman, S.V.
The LX-, LX coincidences in the sup(71)Ge and sup(109)Cd decays. 377057
Sehra, J.C.
Electrometallurgy of Ti, Zr and Hf. 351716
Fused salt electrorefining of zircaloy scrap. 367224
Seidel, A.
Decorporation of ^{241}Am and ^{252}Cf by Ca-DTPA from rat, Syrian and Chinese hamster. 354868
Seidel, C.W.
Moessbauer effect methodology. Volume 10. 378280
Seidel, K.
Calculation of (n,2n), (n,np) and (n,pn) cross sections considering pre-equilibrium processes. 349116
Seidel, T.E.
Electron-beam-induced current and TEM studies of stacking faults formed by the oxidation of boron-implanted silicon. 373381
Seidel, W.
Experiments to produce isotopes of superheavy elements with atomic numbers 114-116 in ^{48}Ca ion reactions. 372801
Oxygenation of trimesitylvanadium. 357063
Seidelberger, E.
The influence of hydraulics and thermodynamic equilibrium on the flooding process. 370921
Nuclear reactor, particularly pressurised water reactor. (German (F.R.) patent document 2446090/B/) 355410
Recalculation of PKL flooding test with the WAK-2 code. 370938
Seiden, A.
Thoughts on large acceptance spectrometer design in light of experience as a split field magnet user. (BNL – 50611) 357994
Seidensticker, R.W.
Some aspects of the structural response of pool-type LMFBR systems to HCDA and seismic events. (CONF-761001 – P3) 365578
Seidl, A.A.
Ratio of neutral-current to charged-current cross sections for inclusive neutrino interactions in hydrogen. 351220
Seidl, W.
Fracture-mechanical investigations in connection with elastic-plastic material behaviour. 354559
Seidle, P.
Drive mechanism for a cruciform nuclear reactor control rod. (German (F.R.) patent document 2048029/B/) 355350
Seidler, M.
Operational measures to avoid hypothetical accident sequences in high-temperature reactors (HTR). 370954
Seidler, S.
Application of the PRS 4000 type process computing system to the Rheinsberg nuclear power plant. 374181
Seidman, D.N.
Direct observation of the vacancy structure of a (220) platelet in an ion-irradiated platinum – 4.0 at. % gold alloy. (COO – 3158-56) 373390
Novel Faraday cup for the simultaneous observation and measurement of ion-beam currents. 367986, 377144
The study of radiation damage in metals with the field-ion and atom-probe microscopes. 378813
Seielstad, G.A.
Radio polarisation of quasars with optical absorption spectra. 364403
Seifert, E.
Efficiency of a neutron detector of 'helium counters in a moderator' type. 374359
Seifert, H.-J.
Smoothing and extending cosmic time functions. 363835
Seifert, K.
Impact of weld metal structures on the formation of the plastic zone in high-tensile steels. 354564
Seifert, W.
Guiding device for a manipulator mast for internal inspection of a reactor pressure vessel. (German (F.R.) patent document 2544009/A/) 355163
Seiffert, S.L.
Fuel rod microstructural changes associated with Post-DNB operation during power-cooling-mismatch (PCM) conditions: the PCM-2A test. 360480
Power-Cooling-Mismatch Test Series: Test PCM-3 postirradiation

examination. (TREE-NUREG - 1187) 379298
Seifritz, W.
Advances in the reactor concept: from the second generation of nuclear fission reactors to the fusion reactor. 359014
The dynamics of substitution processes. 371244
Neptunium recycling in gas-cooled fast breeders to improve the reactivity coefficient in case of steam ingress into the core. 370997
A possible new application of HTGR process heat: Zinc- and aluminium-making processes. 379682
Seigel, H.O.
Nuclear "Metalog" grade logging in mineral deposits. 376006
Seiger, H.
Ultrasonic inspection of the spherically shaped perforated areas of light water reactor pressure vessels. 365869
Seiler-Clark, G.
Lifetimes of the yrast states of even Ce isotopes. 372766
Seiler, F.
Extreme values of spin-polarization analyzing powers in nuclear reactions: M-matrix conditions. 356587
Seiler, P.G.
Search for the metastable 2s state in muonic hydrogen. 361331
Seiler, S.W.
Anomalous slowing of a perpendicularly injected ion beam in both quasilinear and trapping regimes. 364267
Anomalous slowing of a perpendicularly-injected ion beam in both quasilinear and trapping regimes. (PPPL - 1357) 356167
Seim, W.
Population of excited ionic states in charge transfer collisions. 358792
Sein, V.A.
Magnetic properties of niobium-titanium alloy single crystals in superconductive state. 378588
Seipel
The HDR safety programme as a contribution to international cooperation in reactor safety research. 367796
Seipel, H.
Reactor safety research in the FRG. (AED-Conf - 78-004-008) 376209
Seipel, H.G.
German Light-Water-Reactor Safety-Research Program. 365603
LWR safety research in the Federal Republic of Germany. 370893
Seisebaev, A.T.
Effect of an ionizing radiation on the induced synthesis of anthocyans in the buckwheat. 360245
Seith, B.
Reactor materials investigations and development. (KFK - 1277/2) 371052
Seits, I.F.
Effect of irradiation with fast electrons on the uridindiphosphateglucose mechanism of glycogen synthesis in NKly tumours, spleen and liver of mice having tumours. 370347
Seitz, M.G.
Release of fission gas from high-burnup fuel during transient heating. 352639
Seiyama, Takeyoshi
Growth of zero-phonon line at 361 nm in MgO. 358899
Sejfullina, I.I.
On reaction of alkali metal hexafluorogermanates with acetic acid solutions. 362209
Sejvar, J.
Normal operating radiation levels in pressurized water reactor plants. 368162
Sek, C.V.
Experiments to produce isotopes of superheavy elements with atomic numbers 114-116 in ^{48}Ca ion reactions. 372801
Sekhavat, A.
Re-transfer of nuclear technology. 352604
Seki, Shin
Method of processing wastes. 368383
Seki, Shogo
Destruction of magnetic surfaces in a divertor region attributed to a discrete structure of magnetic coils. 353649
Seki, T.
Differential causes of mutation and killing in Escherichia coli after psoralen plus light treatment: monoadducts and cross-links. 367469
High power CO_2 laser system for plasma research (Lekko I). (IAEA - 200) 353600
Seki, Yasushi
Absolute fission-rate distributions in lithium and hybrid fusion blanket assemblies, (2). 348961, 353584
Nuclear characteristics of D-D fusion reactor blankets, (1). 353601
Sekiguchi, Akira
Applications of a lead pile coupled with fast reactor core of Yayoi as an intermediate energy neutron standard field. (UTNL-R - 0039) 368004
A helium-3 proportional counter technique for estimating fast and intermediate neutrons. (UTNL-R - 0038) 368302
New uni-resonance approximation technique for reaction rate of higher resonances in activation detectors. 355563
Sekiguchi, Hiroyuki
On the zenith angle dependence of the infrared oxygen emission of 1.27 μm airglow observed from high altitude. 349682
Sekiguchi, M.
Specific action of T4 endonuclease V on damaged DNA in xeroderma pigmentosum cells in vivo. 349713
Sekiguchi, Mamoru
Device for preventing leakage of coolant in nuclear fuel assembly. 368111
Fuel assembly. 350163
Spacer for a fuel assembly. 379570
Sekiguchi, Mutsuo
From a study of DNA reconstruction enzymes. 349709
Sekiguchi, N.
Behaviour of corrosion product from irradiated stainless steel in flowing sodium. (IWGFR - 7) 360995
Brief description of out-of-pile test facilities for study in corrosion and fission product behaviour in flowing sodium. (IWGFR - 7) 360976
Sekiguchi, T.
An approximate theory of steady-state and dynamic characteristics of alpha-particle-heated DT-fusion reactors. 348959
Re-thermalisation and flow of laser-produced plasmas in a uniform magnetic field. 377551
Sekiguchi, Tadashi
A simplified theoretical model of laser-produced spherical plasma. 371973
Sekimoto, M.
Structure of the transitional nucleus ^{149}Eu. 372796
Sekine, K.
Spectrophotometric determination of zirconium in nickel-base alloys with Arsenazo III after separation by froth flotation. 375352
Sekiya, T.
Analysis of clustering phenomena based on shock wave model. 373347
Wigner-type continuous slowing down theory for the fast-neutron spectrum. 352457
Sekiya, Tadashi
Synthesis of cubic boron nitride. 354332
Sekizawa, Hisashi
Positron annihilation studies of electronic structure of metals. 377288
Sekizawa, Yasuharu
Residue analyses on 2-amino-4-phenylthiazole, a piscine anesthetic, in fishes, 3. 373774
Seko, M.
Separation of uranium isotopes by accelerated isotope exchange reactions. (US patent document 4,049,769/A/) 373912
Seko, Maomi
New separation method of isotopes. 360559
Oxidizing agent and reducing agent. 360560
Pre-treatment method of filling layer. 367851
Separation method with efficiency improved. 360558
Sekowski, S.
Radiometric method of measuring thicknesses of the chromium coats. 355106
Radiometric method of thickness measurement of cobalt-tungsten alloy coatings on kovar. 379404
Unit for isotopic quality inspection of printed circuit paths. 373963
Sekula, S.T.
Effect of irradiation on the critical currents of alloy and compound superconductors. (CONF-770649 - 2) 351909
Sekulin, R.L.
The possibility to study the production and decay systematics of short-lived (tau greater than approximately 10^{-13} secs) new particles in hadronic reactions using the bubble chamber techniques. (RL - 77-133-A) 364486
Sel'nikova, T.N.
Crystal and molecular structure of tetrakis-(cyclopentadienyl-iodotungsten tricarbonyl) silver borofluoride. 349286
Selander, D.
Vascular and extravascular spaces in a transplantable rat tumour after local X-ray irradiation. 376105
Selby, J.M.
Environmental surveillance for nuclear facilities. 379283
Guide to good practices at plutonium facilities. (BNWL - 2086) 362604
Radiological design criteria. 355024
Selby, M.J.
Infrared sources in the compact H II region G45.5 + 0.1. 356263
Selby, P.B.
Genetic effects of radiation. (CONF-760744 -) 357583
Selden, R.W.
Energy and technology review. (UCRL - 52000-76-8) 357928, 358599, 370266, 371067
Seldovich, A.G.
Superconducting magnets in high-energy physics. 374086
Seleim, M.M.
Ce(III), Th(IV) and U(VI) chelates of alizarin viridine, alizarin heliotrope and alizarin maroon. 357022
Selemenev, A.P.
Electroreduction of vanadium pentoxide in molten eutectics of lithium, - potassium- and rubidium chlorides. (INIS-mf - 4189) 375500
Seleznev, V.D.
Specificities for the construction of electron linear accelerators with wide-range characteristics for application in national economy. (INIS-mf - 4194) 379495
Seleznev, V.N.
Magnetic field effect on critical behaviour of $FeBO_3$ weak ferromagnet susceptibility. 374699
Seleznev, V.V.
Possibilities of enhancing the rolling quality in the course of deformation of high-alloy steel ingots on the roughing mill. 375794
The role of columnar crystals in scab formation during stainless steel ingot rolling. 349389

Selic, H.A.
The β-decay of ^{100}Y: discovery of a very low lying 0^+ state in ^{100}Zr. 354219
Investigations of nuclear structure of the fission products ^{97}Sr, ^{97}Y, ^{97}Zr, ^{99}Y, ^{99}Zr and ^{99}Nb. (Juel – 1431) 356874
Studies of ^{132}Sn and ^{133}Sb. (ZfK – 336) 364823
Selidovkin, G.D.
Principles of biological dosimetry in acute radiation sickness. 349942
Selig, B.J.
Staff development for plant startup and reactor servicing activities. 352622
Seligman, D.R.
K/sub L/^{0}d interactions from 1 to 10 GeV/c. 361896
Seligman, T.H.
Analytic methods for refined resonating group calculations. I. 377892
Selikhova, V.I.
Determination of oriented polyethylene melting point. 354453
Selin, A.A.
Investigation of liquidus surface in In-InP-GaP system. 359692
Selin, C.
Investigation of ^{18}F-2-deoxyglucose for the measure of myocardial glucose metabolism. (UCLA – 12-1142) 379114
Selin, E.
Trace element analysis in thick organic specimens by photon excited X-ray fluorescence. 356927
Selitskij, Yu.A.
Specific features of fission of nuclei with A less than thorium at mean and near threshold excitations. (INIS-mf – 3896) 356875
Selivanov, V.M.
Circulation evolution in a secondary coolant circuit of a nuclear power reactor model while sturting-up. (FEI – 615) 358037
Flow rate distribution over parallel channels in the model of water-water reactor with natural circulation. (FEI – 616) 358215
Flow rate measurements by the cross-correlation of thermocouple stochastic signals in circuits with natural convection of a coolant. 379992
Selivanov, Yu.F.
Reactive force acting on a growing bubble in consequence of evaporating molecules. 373994
Selivanova, N.F.
Thermal expansion of the group 4 transition metal silicides. 378774
Selkirk, E.B.
Fast infra-red detectors for use in pulse radiolysis: a reversible slow component. 376654
Ozone yields from the Febetron radiolysis of oxygen-rare gas mixtures. 357137
Sell, K.W.
Tritiated thymidine incorporation and cell-mediated lympholysis as correlates of acute graft-versus-host reaction. 367641
Selle, J.E.
Effects of helium impurities on superalloys. (ORNL/TM – 5812) 359835
Reduction of Al_2O_3 in niobium – lithium systems at 1000°C. (ORNL/TM – 5828) 357064
Sellers, B.
Night and day relationships between polar cap riometer absorption and solar protons. 367440
Sellers, R.M.
The effects of very high doses of radiation on the tensile properties of EPR rubber. (CEGB-RD/B/N – 4087) 354606
A review of the radiation chemistry of iodine compounds in aqueous solution. (CEGB-RD/B/N – 4009) 351657
Sellers, T.A.
Engineered safeguards system activities at Sandia Laboratories for back-end fuel cycle facilities. (SAND – 78-0064C) 380136
Review of potential technology contributions to safeguards. (SAND – 77-1651C) 374503
Sellin, I.A.
Beam-foil spectroscopy. Vol. 1. 374055
Beam-foil spectroscopy. Vol. 2. 371482
High resolution studies of extensive Ne L-shell excitation by energetic heavy ion impact. 358849
Recoil ion spectroscopy in the XUV – soft X-ray region following heavy ion impact on thin gas targets. 358825
Studies of neon L-shell excitation by impact of highly ionized heavy ions. 358824
Sellmyer, D.J.
Magnetoresistance of UIr_3 and UGe_3 to 220 kG. 369951
Sellschop, J.P.F.
Analysis of x-ray spectra excited by x rays, electrons, and protons in monazite. 351322
Background aerosol composition in the Namib desert. (NPRU – 77/8) 354697
Instrumental neutron activation analysis and the characterization of granitic rocks. 375386
Natural diamonds. 375260
The NIMROC samples as reference materials for neutron activation analysis. 372852
Sellwood, J.A.
Galactic models with variable spiral structure. 372194
Selove, W.
A cementing technique for joining acrylic pieces of small surface area. 363554
Selph, F.B.
Relativistic heavy ion accelerators. (LBL – 6425) 365743
Seltz, R.
Study of ^{191}Pt, ^{193}Pt, ^{195}Pt and ^{197}Pt using pick-up reactions. (IPNO-PhN – 77-13) 356709
Seltzer, S.M.
Calculation of radioactivity induced in scintillator materials during spaceflight. 377603
Portable low-dose x-ray imaging system. 379999
Selvaduray, G.
Waste management and proliferation: an assessment of technologies and policies relevant to nuclear power. Final report, June 1975 – March 1977. (BNL – 50694) 366069
Selvanayagam, P.F.L.
Axonal transport of labelled proteins and increased functional activity in sciatic nerve of the frog Rana hexadactyla in vitro. 373688
Selyanina, V.I.
Effect of heat treatment on properties of InSb alloyed with Ge, Zn, Mn, Cd. 369911
Iron as an ion acceptor in indium antimonide. 367253
Selyutin, R.P.
Technique for cascade transition detection. (Soviet patent document 476526/A/) 376599
Selzer, A.
Regulatory control of radioisotopes. (INIS-mf – 4203) 376834
Semal, J.
Use of radioisotopes in plant virology. 379167
Semashko, A.P.
Evaluation of the multilevel model for thermal neutron scattering by H_2O moderator. (INIS-mf – 3895) 355279
Multilevel model for thermal neutron scattering by ZrHx moderator. (INIS-mf – 3895) 355315
Research program of the Nuclear Power Institute of the BSSR AS on scattering and thermalization of thermal neutrons. (INIS-mf – 3895) 355290
Semashko, N.N.
Conception of injector design for a thermonuclear reactor. (INIS-mf – 3954) 361623
Injectors for large thermonuclear devices. (INIS-mf – 3954) 361624
Sembera, E.D.
Catalog of seismic records obtained in support of the ERDA/Nevada Operations Office, October 1963 – June 1976. (USGS – 474-183) 363119
Semenchuk, G.G.
Fission of medium mass nuclei induced by 1 GeV protons. (ZfK – 336) 364735
Technique for measurement of relative cross sections of nuclear fission. (LIYF – 171) 379943
Semenenko, E.E.
The ultimate critical magnetic field of tin. (KFTI – 75-33) 353735
Semenenko, K.N.
NMR investigation of amine complexes of aluminium borohydride. 359586
Temperature dependence of $Sc(BH_4)_3x2C_4H_8O$ PMR spectra and quadrupole relaxation of boron- and scandium nuclei. 378220
X-ray diffraction study of crystals of scandium borohydride tetrahydrofuranate. 359646
Semenishin, D.I.
On thermal decomposition of alkali metal octacyanomolybdates. 369730
Roentgenographic study of alkali metal and ammonium octacyanomolybdates (4). 351560
Semeniuk, I.
Anomalies in light curves of eclipsing variables. 372239
Semenkin, V.A.
Investigation into iron moessbauer atom state in a deformed iron-manganese alloys. 370003
Semenkova, A.Eh.
Influence of heat and radiation ageing and light ageing on the properties of polysulphone. 357158
Semenov, A.F.
Measurement of prompt neutron spectra of ^{233}, ^{235}U, ^{239}Pu fission with thermal neutrons by relative and absolute methods. (INIS-mf – 3896) 356684
Study on effect of fission delayed gamma quanta in measuring fission neutron spectra by means of time-of-flight method. (INIS-mf – 3896) 358383
Semenov, A.I.
Metabolizm and acceleration of excretion of the inhaled americium-241. 357614
Semenov, A.P.
Effect of temperature on adhesion interaction of polycrystallic diamond and elboron contacting with metals. 365177
High-temperature ultrasonic installation for determining the characteristics of materials elasticity and thermal diffusivity. 357247
Structure and friction properties of cermet and oxide explosion coatings. 370034
Semenov, E.P.
1MV compact pulse transformer. (INIS-mf – 3954) 363218
Semenov, I.B.
The M = 1 helical mode behaviour during the disruption instability in a tokamak. (INIS-mf – 3963) 371953
Semenov, S.V.
Experimental study on a cooling system with underheated liquid helium. (INIS-mf – 3954) 361524
Semenov, V.D.
Study on heat transfer and boundary layers in the MHD channel with a variable wall temperature. 349041
Semenov, V.G.
(n, α) reaction for deformed and transition nuclei. (INIS-mf – 3897) 354140

Semenov, V.I.
Neutron activation analysis of high purity noble metals (palladium, platinum, rhodium, gold and silver). 375269
Semenov, V.P.
Experimental study on neutron field properties in a linear section of a sodium pipeline. (FEI - 596) 355255
Possible existence of black holes in cosmic rays. 377649
Semenov, Ya.S.
On possible influence of cosmic rays on ozone content change in the stratosphere. 357548
Semenov, Yu.A.
CAMAC-VEKTOR system for data readout from wire spark chambers with ferrite rings. (ITEF - 75) 350373
Data reading system from wire spark chambers with ferrite rings. (ITEF - 53) 366060
Data readout system in the CAMAC-VEKTOR standard for wire spark chambers with ferrite rings. 376733
System of analog and digital data transmission out of a magnetic spectrometer into a computer. (ITEF - 54) 352836
Transients in wire spark chambers with decoupling resistors. (ITEF - 60) 350333, 379944
Semenova, E.M.
Geophysical exploration study of gas wells in Medvezh'e field. 349612
Semenova, L.P.
Some regularities of incorporating labelled uridine in the RNA of lymphocytes of horned cattle's lymphocytes in case of lympholeukosis. 362791
Semenova, M.N.
Rare earth complexes with 1,1'-dimethyl-2,2'-biimidazolyl. 369681
Semenova, N.N.
Delayed neutron spectrometer characteristics. (FEI - 683) 350315
He^3 spectrometer with high resolution. (FEI - 555) 358392
Measurement of prompt neutron spectrum in spontaneous fission of ^{252}Cf. (INIS-mf - 3896) 356810
Neutron spectra of ^{252}Cf spontaneous fission in the energy range from 0,5 to 7 MeV. (FEI - 575) 349143
Prompt neutron spectrum in thermal fission of ^{235}U in the energy range from 10 keV to 1 MeV. (INIS-mf - 3896) 356816
Search for low energy delayed neutrons for spontaneous fission of ^{252}Cf. 369504
Semenova, O.L.
Phase diagram of the zirconium-osmium system. 349477
Semenovskaya, T.D.
Distribution of praseodymium and neodymium ions in the system of cationite - diethylenetriaminepentaacetic acid solution in the interval of 6-140 deg C. 359689
Semenyuta, S.S.
Two-circuit nmr transducer for studies on a flowing liquid. 358445
Semenza, L.A.
Results of recent TOP and LOF experiments in TREAT. (CONF-761001 - P4) 363007
Semenzato, R.
Integral equations for even parity perturbations of hot perfect fluid nonrotating neutron stars. 368527
Semerikova, I.A.
Influence of the N_2O_4-medium and gamma-radiation on the properties of the fluorinated lubricating oils. 349604
Semesenko, M.P.
Dynamics of a Z-pinch in n-InSb under impact ionization conditions. 356069
Semeyenov, V.N.
Controllable forming of a compact toroidal structure with an impulse field barrier. (DOE-tr - 3) 369009
Semikoz, V.B.
Spontaneous positron production by a Coulomb center in a homogeneous magnetic field. 377090
Semiletov, S.A.
Structure and composition of thin films which are forming at sputtering of nickel and palladium in the atmosphere of hydrogen. 368812
Semin, A.N.
Diffusion coefficients of cadmium ions and anode behaviour of cadmium and cadmium-zinc alloys in halogenide melts of alkali metals. (INIS-mf - 4189) 375603
Semin, E.G.
Dynamics of formation of chrysoberyl. 369700
Kinetic and mechanism of solidphase reactions in the $BeO + SiO_2 + V_2O_5$ mixture. 360026
Semin, G.K.
Nuclear quadrupole resonance of hetero-organic compounds of group 3 elements. 349236
Pulsed nuclear quadrupole resonance radiospectrometer. (Soviet patent document 441508/A/) 355604
Semin, Yu. A.
Radiomimetic action of glyceraldehyde and dihydroxyacetone. 362628
Semina, O.V.
Action of some biologically active preparations on the cell population of stem haemopoietic fraction and on the survival of irradiated mice. 367512
Seminara, A.
Uranyl and lanthanide complexes with ureas. 375659
Seminara, J.L.
Human factors engineering for nuclear power plants. 358159
Human factors in the nuclear control room. 365837
Semioshkina, N.A.
Observation of the suppression of a nuclear reaction in a direct γ = quantum beam. 368879
Semirenko, V.V.
Structure of terbium, dysprosium and holmium alloys. 378734
Semjonov, V.M.
The non-linear Schroedinger equation and anomalous backward scattering. 369418
Semmingsen, D.
Molecular and crystal structure of squaric acid (3,4-dihydroxy-3-cyclobutene-1,2-dione) at 121 °C: A neutron diffraction study. 369636
Semmler, U.
Quantitative scintigraphy of the sacro-iliacal joint. (INIS-mf - 4010) 357711
Semmler, W.
The hyperfine quadrupole interaction observed in binary Agsub(x)Ysub(1-x). (INP - 866/PL) 371569
Semochkina, L.S.
Effect of some substances on absorption of radioactive strontium by bone crystals. I. 349780
Effect of some substances on the absorption of radioactive strontium by bone cystals. 2. 367570
Semon, M.D.
Screened Coulomb scattering in the eikonal approximation. 350679
Semushin, A.M.
Study of radiation chemical stability of chlorinated fibres in alkaline media. 369811
Semushkin, A.M.
Action of ^{60}Co gamma radiation on polymeric cationites. 370128
On radiation oxidative destruction of ionites. 369809
Semyonov, Y.V.
Energy sensitivity of the ionization method of measurement of the energy loss of heavy charged particles. (INIS-mf - 3996) 364633
Sen Gupta, H.M.
A study of the (tau, α) reaction on ^{50}Cr. 378079
Sen, A.
Three-dimensional effects in the non-linear propagation of lower-hybrid waves. 372019
Sen, D.
Nitrido complexes of rhenium(V) with 2,2'-dipyridyl and 1,10-phenanthroline. 367124
Sen, K.
Kdegsub(L)→μsup(-)μsup(+) decay and CP conservation. 359313
Threshold pion production by neutrinos and the photon neutrino weak-coupling theory. 361853
Sen, P.
Pressure dependence of positron lifetimes in V_3Si. 357325
Sen, P.N.
Possible reduction of laser-fusion target illumination by enhanced stimulated Raman plasmon scattering. 359019
Sen, S.
Nuclear industry - challenges in chemical engineering. (INIS-mf - 4166) 375789
Sen', V.D.
Mechanism of oxidation-reduction reactions of oxopiperidinium salts and piperidinoxyl radicals with iodides and iodine. 375561
Sen'ko-Bulatnyj, I.N.
Results of testing a gamma-spectrometric activation method for quantitative determination of copper in the Ural fields. 351917
Sen'ko-Bulatnyj, Y.N.
Results of test exploitation of well-type stabilized gamma spectrometer. 357442
Sen'ko, A.K.
Experience in application of selective gamma gamma logging for determination of iron in skarn deposits of Priangarje. 351948
Senapeschi, A.N.
Computational method to obtain isoelectronic density curves. 350644
Senashenko, V.S.
The differential cross sections of the helium atom ionization by electron impact. 353357
The radiative decay of excited states of atomic systems with two K-shell vacancies. 358815, 377110
Senba, Kei
On the determination of the ratios of quark fragmentation functions by inclusive electro-pion-production experiments. 353800
Senchuro, I.N.
Comparison of results of simultaneous observation of flare of solar cosmic rays in September 1971 on two satellites. 374961
Senda, Kohei
Clinical use of ^{201}Tl myocardial scintigraphy. 349872
Sendecka, K.
Field desorption of potassium from (001), (011) and (112) tungsten planes. 378727
Sendo, Fujiro
Effect of x-irradiation of recipients on in vivo neutralization of syngeneic tumors by spleen cells nonspecifically immunized with allogeneic tumors. 360232
Senegacnik, M.
^{13}C and ^{14}C kinetic isotope effects in the catalytic oxidation of CO over NiO catalyst. 372972
Senevat, J.
Use of statistical methods of variance analysis in the qualification of the suppliers of nuclear fuel components. 376446
Senf, L.
Determination of diffusion in fibrin clots by application of a new simple method for measurement of diffusion processes with radioisotopes. 373772
Senger, B.
A new approach for the detection of charged particles by photographic recording systems - first applications in

corpuscular physics, biology and electron microscopy. 360118
Sengler, G.
Development of process computer programs for the early detection of operation disturbances. (BMFT-FB-K – 77-15) 376462
Sengoku, S.
Behaviour of superthermal electrons in the scrape-off layer of DIVA. 372099
Formation of a light-impurity-free plasma in DIVA. 374846
Reduction of power loss due to heavy impurities in Diva. (INIS-mf – 3963) 372098
Sengpiel, W.
Sample calculations on fuel rod behaviour during a LOCA with the code system SSYST-MOD 1. 373845
Sengupta, A.K.
Oxalatoberyllates. 367125
Oxopentafluoroniobates(V). 349287
Sengupta, P.K.
Charged particle multiplicity in 400 GeV/c p-nucleus interactions in nuclear emulsion. 372498
Sengupta, S.
Annealing characteristics and nature of traps in Al_2O_3 thermoluminescent phosphor. 350318
Senjanovic, G.
Hamiltonian formulation and quantization of the spin-3/2 field. 358682
Senjanovic, P.
Axial anomaly and chiral symmetry breaking in Schwinger model: a canonical approach. 363826
Construction of physical states in Yang-Mills theory: the time-like gauge. 376941
Field theories in terms of particle-string variables: spin, internal symmetries and arbitrary dimension. (COO – 2220-150) 361274
Senju, Hirofumi
Rising sigma sub(anti ν)/sigma sub(ν), dilepton events and neutral heavy lepton. 353905
Senn, R.L.
Design, operation, and initial results from a series of graphite creep irradiation experiments. 360121
Senn, T.J.
Evaluation of the hazard associated with fabricating beryllium copper alloys. (UCRL – 52258) 349902
Sennhauser, E.S.
Ion neutralisation rates in gaseous ammonia. 375712
Sennhauser, U.
Measurement of gamma-rays, neutrons and charged particles after π^--capture in nuclei. 378077
A new upper limit for the decay $\mu^+ \rightarrow e^+\gamma$. 369383
Seno, S.
Topics in Hematology. 370368, 370379, 370380, 370384, 370385, 370386, 370387, 370390, 370394, 370430, 370442, 370446, 370452, 370482, 370501
Senoo, Muneaki
Safety testing of ceramic strontium-90 β-ray source. (JAERI-M – 7305) 379378
$SrTiO_3$ synthesis process for solidification of strontium-90. 354375
Sens, J.C.
Charge distributions of sulfur ions at energies between 70 and 140 MeV. 361391
High spin states in the mirror nuclei ^{15}O and ^{15}N. 356811
Observation of a dimuon resonance at 9.5 GeV in 400-GeV proton-nucleus collisions. 351221
Observation of structure in the UPSILON region. 369378
Sensi, L.
Disposal of long-lived radioactive wastes in Italy. 358516
Sentman, D.D.
Whistler mode noise in the inner Jovian magnetosphere. 361733
Sentyurin, I.G.
Use of coulometry with potential scanning in analytical chemistry. 364913
Sephton, J.
Dosimetric response of some biochemicals used as lyoluminescent dosimeters. 371094
Sepold, L.
Investigations of fuel rod failure in the second heatup phase of a LOCA. (KFK – 2435) 358191
Sepp, W.-D.
The influence of retardation effects in very heavy ion collisions. 353289
The influence of retardation effects in very heay ion collisions. 377055
Sepp, W.D.
Interpretation of quasi-molecular L X-rays in heavy-ion collisions. 355906
Seppala, L.
Shiva optical diagnostics. (UCRL – 79776) 377521
Septier, A.
Microwave applications of superconducting materials. 364454
Sequeira, A.
A precision neutron diffraction study of tetragonal RbH_2PO_4. 377151
Sera, K.
Directional anisotropy of secondary electron bremsstrahlung induced by proton bombardment of thin solid target. 377041
The ionization of relativistic K-electrons by light ion impact in the MeV energy range. 377131
Sera, Koichiro
Compton radiography, 1. 349868
Compton radiography, 2. 379196
Elemental trace analysis of hepatomas and normal tissues by proton induced x-ray emission spectroscopy. 349854
Serafimov, A.
Peculiarities of the late clinical manifestation of local radiation injury. 367528
Seran, R.
Classification of transfer techniques at high-activity facilities. 360705
Results achieved in the standardization of protection, manipulation, detection and safety systems. 360481
Seraphin, L.
Usage properties of special steels for presurrized water reactors: influence of composition and of manufacturing parameters. 355411
Serapinas, P.D.
Theoretical consideration of the composition of quasiideal hydrogen plasma. 376991
Serber, R.
Theoretical high energy physics. Progress report, May 1, 1976 – April 30, 1977. (COO – 2271-100) 361821
Serbinov, I.A.
Study on vanadium dioxide properties in millimeter wavelength region at metal-semiconductor phase transition. 350711
Switching in the VO_2-dielectric-semiconductor system. 377305
Serbinov, K.V.
The effect of a resonance r.f. field on the hyperfine structure of nuclear levels in a paramagnetic crystal. 377319
Sercely, R.R.
Inelastic scattering to high lying O^+ levels in $^{16}O^-$. (TID – 27909) 378055
Proton transfer reactions on ^{14}C. (TID – 27909) 378041
Reaction $^{14}C(t,p)^{16}C$ at 23.0 MeV. (TID – 27909) 377994
Serduke, F.J.D.
Thermonuclear reaction rate parameters for d + ^{6}Li reactions. 351346
Serdula, K.J.
Evaluation of the performance of an ultrasonic cross-correlation flowmeter. (AECL – 5848) 366045
Serdyuk, I.L.
Hafnito-niobates of rare earths and cadmium. 378262
Phase equilibria in the $Cd_2Nb_2O_7$-$Yb_2Ti_2O_7$ system. 359601
Serdyuk, L.S.
Investigation of reactions of rare earths with boropyrocatechol violet complex in some surfactants presence. (INIS-mf – 4192) 375353
Serdyuk, V.A.
Infrared absorption and particularities of conductivity of rare earth sulfides of variable composition. 359651
Serdyukova, S.I.
The Rusanov scheme. Investigation of stability in an uniform metrics. Asymptotic expansion in the vicinity of isolated discontinuity. (JINR-R – 5-10708) 376860
Serdyutskij, V.A.
Is it possible to determine the nucleon axial-vector form factor from pion electroproduction cross section form factor from pion electroproduction cross section. 349079
Photoproduction of π^+ mesons on Li^6 nucleus near the threshold. 375044
Serdzhno Ferrari
Method for preparation of sintered pellets of uranium dioxide. (Soviet patent document 460636/A/) 378564
Serebrenikov, V.S.
Comparative evaluation of the action of γ-rays and accelerated electrons on the growth and development of potatoes. 379003
Local changes in electron-irradiated potato tubers. 379002
Radiosensitivity of germs, grafts and vegetating potato plants. 362652
Serebrennikov, D.V.
Device for fast particles absorption. (Soviet patent document 430805/A/) 350086
Serebrennikov, G.Z.
Investigation of certain mechanical properties of sprayed material. 367267
Serebrennikov, L.N.
Effect of different grain size on the mechanical properties of steel-18Kh2N4MA. 375839
Study of austenite grain form in a structural steel. 373285
Serebrennikov, V.B.
Group-induced quantization in central problems in mechanics. 363836
Serebreny, G.A.
Fast ion production in a tokamak plasma in the lower hybrid heating experiments. (INIS-mf – 3963) 371867
Serebrov, A.P.
Search for a neutron electric dipole moment using ultracold neutrons. (INIS-mf – 3895) 355525
Serebryakov, I.S.
Inversion of transuranium element reactivity in extraction equilibria. 375635
Serebryakov, V.V.
Manifestation of rho-recurrences in e^+e^--annihilation. 356399
Serebryakova, N.V.
Synthesis and study of properties of d,l-N,N-N'N'-tetracarboxymethyl-α,β-diaminopropionic acid. 364923
Serebryakova, T.I.
Boride production methods. 367299
Boride structure and physico-chemical properties. 367298
Borides of the group 1 metals of the periodic system. 367300
Borides of the group 2 metals of the periodic system. 367301
Boron compounds with the odd subgroup elements. 367303
Transition metal borides. 367302

Serebryanyj, G.Z.
Analytical solution of heat and mass transfer problem in $2NO_2$reversible$2NO+O_2$ chemical nonequilibrium mixtures in laminar flow in a plane channel at constant temperature of inert impermiable surface. (INIS-mf - 3953) 379437
Serebryanyj, V.A.
Hygienic features of working conditions prevailing in X-ray cabinets. 349887
Seredenko, A.S.
Investigation of function of ceramic oxygen electrode in molten eutectic of potassium and lithium chlorides. (INIS-mf - 4189) 375554
Seredenko, E.V.
Application of explosive-emission cathodes for the production of high-current electron beams of large duration. (INIS-mf - 3954) 363178
Seredenko, T.N.
Efficiency of alpha radiation detection by means of scintillation plastic granules. 371093
Seredenko, V.I.
Organic boron compounds. 364941
Seredin, Yu.V.
Radiation protection in exploration and prospecting for minerals. 354674
Serednyakov, S.I.
Method of absolute calibration of beam energy and storage rings. Mass measurement of a PHI meson. (JINR-D - 1,2-9342) 357947
Radiative polarization of beams in the VEPP-2M storage ring. 370769
Radiative polarization of beams in the VEPP-2M storage. (JINR-D - 1,2-9342) 357972
Radiative polarization: obtaining, control, using. 374058
Seregin, V.S.
Conception of injector design for a thermonuclear reactor. (INIS-mf - 3954) 361623
Injectors for large thermonuclear devices. (INIS-mf - 3954) 361624
Seregina, E.A.
Search for low energy delayed neutrons for spontaneous fission of ^{252}Cf. 369504
Seregina, V.I.
Influence of heat and radiation ageing and light ageing on the properties of polysulphone. 357158
Thermoradiative ageing of epoxisilicone resin SK-13. 357159
Serejka, A.P.
Generation of acoustic harmonics in laminated structure of CdS piezoelectric-polycrystalline layer. 356055
Serene, J.W.
Solving the Eliashberg equations by means of N-point Pade approximants. 369260
Sereni, J.G.
Crystal field effects on the specific heat of $(LaEr)Al_2$. 378728
Serenkov, V.I.
Radiation stability of polymeric materials on polyamide 12 base. 362284
Serenkova, V.I.
Thermoradiative ageing of epoxisilicone resin SK-13. 357159
Seres, Z.
Determination of boron range distribution in ion-implanted silicon by the $^{10}B(n, \alpha)\ ^7Li$ reaction. 364900
Serezhin, V.M.
Observation of muon pairs in neutrino interactions at Serpukhov 70 GeV accelerator. 361870
Use of lavsan thin film in optical spark chambers. 379964
Serezhkin, V.N.
Thiomolybdates and thiotungstates of tetramethylammonium. 362210
Sergachev, A.I.
Investigation of the effect of viscosity of fissible nucleus on the kinetic energy of fragments. 375189
Sergatchev, A.I.
Study on the factors affected on energy dependence of fission prompt neutron mean number. (FEI - 579) 359417
Sergeenkow, S.I.
Method and device for measuring dynamic characteristic data of materials. (German (F.R.) patent document 2348000/C/) 367994
Sergeev, A.G.
Treatment of open-hearth steel by lime-silicate melts. 354488
Sergeev, A.T.
Pulsed nuclear quadrupole resonance radiospectrometer. (Soviet patent document 441508/A/) 355604
Sergeev, A.V.
Transport range of cosmic rays depending on inhomogeneity types and their spectra. 356218
Sergeev, F.M.
Characteristics of protons emitted into the backward hemisphere in pion-nucleus interactions. 369375
The interaction of high-energy particles with nuclei. 375193
Sergeev, G.A.
The KS-KT-100 plant for two-stage vitrification of radioactive waste: results of tests with simulators. 358477
Sergeev, I.I.
Analysis of temperature dependence of efficiency of infrared radiation transformation into visible radiation in the YF_3:Yb, Er system. (INIS-mf - 3955) 366465
Cold-rolled tube production on KhPT-250 mills. 375782
Large pipes of 15 gs, 14 khgs, and 30 khma steels for chemical high-pressure equipment. 375784
Sergeev, V.A.
About the effect of a bound state on ionization cross sections in ion-atom collisions. 371505
BN-350 reactor shielding studies. 368195
Cross sections for the Mα, Mβ and Mγ X-ray production in Pt and Pb as a function of the proton energy. 377098
Ionization of atom l-shells by protons in the energy range from 250 to 500 kev. (INIS-mf - 3915) 348718
Performance study of spark wire chambers in extreme regimes. 371145
Sergeev, V.I.
Radiation stability of polymeric materials on polyamide 12 base. 362284
Sergeev, V.P.
Dynamics of dislocations in alkaline haloid crystals with bivalent impurities. 366487
Photography system for the "Ludmila" facility. Tape transport mechanism, gas panel and control electronics. (JINR - 13-9710) 376608
Sergeev, V.V.
The effect of a resonance r.f. field on the hyperfine structure of nuclear levels in a paramagnetic crystal. 377319
Sergeev, Yu.A.
Flow rate measurements by the cross-correlation of thermocouple stochastic signals in circuits with natural convection of a coolant. 379992
Sergeev, Yu.F.
Tokamak with an intense (higher 100kOe) magnetic field. (INIS-mf - 3954) 361487
Torsatron. (Soviet patent document 433908/A/) 377408
Sergeeva, E.A.
Action of γ-rays on the respiration and growth of perilla. 362655
Sergeeva, L.A.
Conductivity type variation in epitaxial films of cadmium sulfide and cadmium selenide. 361471
Some reactions of cadmium selenide epitaxial films with oxygen. 378371
Sergeeva, S.A.
Ultrafast repair of single-strand DNA breaks in γ-irradiated Chinese hamster cells. 349710
Sergeeva, Ts.B.
Solubility of metal chlorides (Me = Ba, La, Nd) in aqueous acetone mixtures at 25°C. 351561
Sergeeva, V.M.
Calorimetric study of an electronic transition in Smsub(1-x)Gdsub(x)S alloys. 374658
Sergent, M.
Anisotropy of Hsub (c2) in the chevrel phases. 374692
Anisotropy of the critical field in Mo_6S_8. 377682
Magnetic susceptibility of $TRMo_6S_8$. 377692
Solid solutions Pb/sub y/Mo_6X/sub 8-x/Z/sub x/ and Mo_6X/sub 8-x/Z/sub x/ (X,Z = S, Se, Te) and their superconducting properties. 351854
Sergeyev, A.P.
Investigation of the capture system without change in injected electron energy. (JINR-R - 9-9139) 355185
Serghiou, C.S.
Selected factors affecting the quality of Mediterranean fruit fly used in sterile release programs. 373543
Sergiampetri, F.
Measurement of $\pi^-p \rightarrow \pi^0 n$ at large momentum transfer. 372503
Sergiampietri, F.
Observation of a meson $X \rightarrow 2\gamma$, with mass 2.85 GeV/c^2, produced in the charge-exchange reaction $\pi^-p \rightarrow Xn$ at 40 Gev/c. 377780
Study of the reaction $K^-p \rightarrow$anti K^0n at momenta of 25 and 40 GeV/c. 356482
Sergienko, P.M.
Small-angle x-ray camera with the use of synchrotron radiation. 376695
Sergienko, V.I.
Influence of second-sphere cation on absolute intensity of valence vibration bands in infrared spectra of fluoride complexes. 349288
Sergienko, V.S.
Choosing refractories for casting steel through flow gate. 360027
Sergievskij, E.A.
CAMAC-VEKTOR system for data readout from wire spark chambers with ferrite rings. (ITEF - 75) 350373
Data readout system in the CAMAC-VEKTOR standard for wire spark chambers with ferrite rings. 376733
Sergievskij, V.V.
Extraction of some metal nitrates and nitric acid. 369761
Sergin, B.I.
Structure of metallic melts on the base of the cluster model. 365181
Sergolle, H.
High spin states in lead isotopes with A between 193 and 199. (IPNO-PhN - 77-17) 359450
Sergunov, V.T.
Organization and methods of control of primary circuit equipment integrity. 367989
Seriani, G.
Surface phonons from atom scattering angular distributions: a theoretical analysis. 368739
Serikov, A.V.
Modulation of electromagnetic waves in an isotropic inhomogeneous plasma. 348907
Serikov, L.V.
Kinetics of accumulation of ClO_3 radicals in irradiated chlorates of sodium and potassium. 375715
Mechanism of formation and decay of ClO_3 radicals in irradiated $KClO_3$. 375713

Secondary reactions of products of low-temperature radiolysis of sodium and potassium chlorates. 375714
Serikova, V.V.
Some thermodynamic data and kinetic regularities of vanadium pentoxide dissolution in nitric acid solutions. 359678
Serio, S.
Survey of soft X-ray limb flare images: the relation between their structure in the corona and other physical parameters. 351064
Serkiz, Ya.I.
Chemiluminescence of the liver mitochondria of rats exposed to fast neutrons. 362662
Induced chemiluminescence of the blood plasma of rats in early postirradiation periods. 370365
Serlemitsos, P.
OSO-8 X-ray observations of AM Herculis. 359168
OSO-8 x-ray observations of AM Hersoulis. (N – 77-27050) 377656
Serlemitsos, P.J.
Absence of detectable X rays from supercluster candidate 4UO134-11. 356304
The case for a burst from 3UO614+09. 372283
Cosmic x-ray observations with OSO-8. (CONF-7510169 –) 364404
Early light curve of A0620-00. (CONF-7510169 –) 364349
Evidence for a 17d periodicity from Cyg X-3. (CONF-7510169 –) 364340
Her X-1 spectral evidence for a strong magnetic field. (CONF-7510169 –) 364285
High resolution measurements of Cyg X-1 from rockets. (CONF-7510169 –) 364397
Long-term x-ray studies of Sco X-1. (CONF-7510169 –) 364342
New results from long-term observations of Cyg X-1. (CONF-7510169 –) 364341
Observation program for the GSFC cosmic x-ray spectroscopy experiment. (CONF-7510169 –) 364279
OSO-8 GSFC results on Cen X-3. (CONF-7510169 –) 364411
OSO-8 observations of Hercules X-1. (CONF-7510169 –) 364394
X-ray spectra of Hercules X-1. 1. Iron line fluorescence from a subrelativistic shell. (N – 77-19962) 361727
X-ray spectra of Hercules X-1. 2. Intrinsic beam. (N – 77-19963) 361728
X-ray spectra of Hercules X-1. II. The pulse. 359150
Sermet, E.
Decontamination of materials after exposure in LMBFR primary circuit. (CONF-760503 – P2) 352765
Sermoneta, A.
Experimental confirmation of the 1100 MeV structure and first observation of the leptonic decay of the rho' (1250). (DESY – 77/59) 356491
Measurement of the photoproduction phases of the rho, ω, and phi mesons. (DESY – 77/56) 353934
Measurement of the real part of the virtual compton amplitude and of the invariant mass yield of the photoproduced e^+e^- pairs in the mass range 1,500 < m < 2,000 MeV. (DESY – 77/60) 356492
Sermyagin, A.V.
Electronic flowmeter for absolute measurement of the scattering-target density. (INIS-mf – 3915) 350384
Study on differential scattering of H and He atoms on H_2 and CH_4 molecules. (INIS-mf – 3915) 348704
Serne, R.J.
Multicomponent mass transport model: theory and numerical implementation (discrete-parcel-random-walk version). (BNWL – 2127) 365250
Plutonium activities in soil solutions and the stability and formation of selected plutonium minerals. 365293
Serov, A.V.
Basic problems of fast-reactor fuel recovery. 367193
Decladding of BOR-60 and BR-5 fuel elements by clad melting. (NIIAR-P – 17(283)) 359840
Pilot plant reprocessing of the BOR-60 spent uranium fuel by using fluoride volutility method. (IAEA-AG – 63-21) 362336
Thermal decladding of BOR-60 fuel elements. (IAEA-AG – 63-16) 363489
Serov, V.I.
Total cross section measurement for the $T(t,2n)^4He$ reaction. 378056
Serov, V.V.
Computer system for structure recognition of polyatomic molecules by i.r., n.m.r., u.v. and m.s. methods. 376846
Serra-Lugaresi, P.
K°sub(L)p interactions in the c.m. energy range 1.54-1.71 GeV. 372508
Serra, G.
An acceleration evaluation of the performance of the Soviet-French wide-gap spark chamber for gamma-ray astronomy. 368266
Serra, J.J.
New family of refractory compounds. The rare earth oxyphosphates: Ln_3PO_7. 357382
Serra, O.A.
Emission spectra of $Cs_2NaTbCl_6$ and Cs_2NaYC_6: Tb^{3+}. 368711
Serri, J.A.
Angular distribution of fine structure changing collisions of excited Na. 353330, 377100
Sertorio, L.
On the relationship between statistical mass spectrum and S-matrix eigenphases. 361264
Remarks on the J-dependence of the boostrap mass spectrum. 361795
Single fireball and fireball ideal gas. 363776
Statistical approach and duality. 353095
Servadio, S.
Nuclear effects in radiative muon capture in calcium. 372599
Servant, J.
Regulatory requirements and administrative practices in the safety of nuclear installations. 371268
Server, W.L.
Fracture toughness data for ferritic nuclear pressure vessel materials. Task A: Volume II. Part I: Appendices 1-4. (EPRI-NP – 121(Vol.2)(Pt.1)) 351821, 357345
Servranckx, R.
Magnetic field quality requirements for PEP. 363343
Serykh, N.V.
Some applications of the method of element analysis by proton-excited x-radiation. 359573
Serykh, S.Yu.
Connection between chemical and electrochemical activities of skeletal nickel catalysts. 369625
Seryugin, A.L.
The initial part of the isotherms diagram of cryovacuum hydrogen absorption by adsorbent carbon in low pressure measuring. (KFTI – 75-10) 352374
Non-condensable air component distribution in the porous system of adsorbent carbon at 20.4 K. (KFTI – 75-10) 352375
On the problem of cryovacuum hydrogen adsorption by birch activated carbon in the presence of helium. (KFTI – 75-10) 352376
Serzec, B.
Properties of some III-V compounds in thin films realized by sputtering. 368826
Sesekin, P.N.
Magnetic properties of manganese borides alloyed with nickel. 373310
Peculiarities of magnetic properties of magnetic materials with spontaneous magnetization arising at temperature Tsub(c)<Tsub(N). 378751
Seshan, K.
Climb model of extended dislocations in f.c.c. metals. 357415
Seslavina, L.S.
Inactivation of hemopoietic stem cells by lymphocytes as related to genotype of interacting cells. 354790
Sesma, J.
On the low-energy scattering by velocity-dependent potentials. 358683
Sesnic, S.
Internal modes and disruptions with increasing electron density in the Pulsator tokamak. (INIS-mf – 3963) 372020
Sesonske, A.
Nuclear reactor safety education at Purdue. 379304
Sessler, G.M.
Thermally-stimulated current studies of carrier trapping and mobility. (INIS-mf – 4127) 364115
Setaro, J.A.
Dosimeter sample preparation, quality assurance, and materials development for the ILRR, FRMDC, and FFTF dosimetry programs. (CONF-771036 – 2) 366004
Seth, K.K.
The ^{116}Sn (d,t)^{115}Sn reaction at 23 MeV. 354150
Seth, S.
Effect of steam entry in a GCFR core. (CONF-761001 – P2) 362979
Evaluation of iron cross sections for fast reactor lattices and shields with the aid of measured neutron spectra. 370794
Sethi, B.
Decay of the 46.6 s sup(75)Gesup(m). 362039
Sethi, S.K.
X-ray emission intensities of radionuclides in fallout from nuclear explosions. 356976
Sethi, V.K.
Surface oxide softening of niobium single crystals. 362453
Sethna, H.N.
Experience in transfer of nuclear technology. 352605
Experience of transfer of nuclear technology. 368501
India's nuclear power programme and constraints encountered in its implementation. 371245
Sethulakshmi, P.
Random sampling technique for choosing scattering angles from arbitrary angular distributions in dosimetric and shielding computations. 361912
Sethunathan, N.
Pesticide-soil microflora interactions in flooded rice soils. 379168
SethuRaman, V.
Two-photon spectrometer based on flashlamp-pumped dye lasers. 368352
Setkina, V.N.
Complexes of pyridinium cyclopentadienylide with chromium- and molybdenum carbonyls. 378448
Setlow, J.K.
Formation of a thymine photoproduct in transforming DNA by near ultraviolet irradiation. 351987
Setlow, R.B.
Amazon Molly, Poecilia formosa, as a model for studies of the effects of ionizing radiation. (BNL – 23239) 362691
Repair deficient human disorders and cancer. 376072
Setoyama, Kageyoshi
Absorption, distribution, metabolism and excretion of ^{14}C-chlorphenesin carbamate in rats. 379194
Setser, D.W.
Simulation of the bound-free KrF* emission spectra from reactive quenching of $Kr(5s[3/2]_2)$ and $Kr(5s[3/2]_1)$ atoms. 369711
Setti, G.
The physics of non-thermal radio sources. 353701

Settles, R.
Σ^- production and decay properties in $K^-p \rightarrow \Sigma^-\pi^+$. 377807
Setyono, H.
Temperature dependence of the EPR spectrum of ruby. 374727
Sevast'yanov, V.I.
Emission variability of the Sco X-1 source on the observations of the Salyut-4 station. 364387
Observations of Cygnus X-1 on the Salyut-4 space station. 374963
Observations of the Cir X-1 X-ray source on the salyut-4 space station. 361709
Sevast'yanov, Yu.G.
^{7}Be, ^{51}Cr, ^{54}Mn and ^{68}Ge isolation from irradiated cyclotron targets by coprecipitation method. 360572
Sevc, J.
Histologic types of bronchogenic cancer in relation to different conditions of radiation exposure. 370401
Histological types of lung cancer as related to various radiation exposure conditions. 352075
Sevchenko, A.N.
Investigation into mechanism of solid-phase reactions with participation of rare earth oxides by luminescence method. 378369
Translucence of complexes of phthalocyanine with rare earth ions under action of ruby laser. 357050
Sever, F.
Semidirect model calculations of differential cross sections for some photonuclear reactions in ^{40}Ca. 377913
Sever'yanov, V.S.
Flow rate measurements by the cross-correlation of thermocouple stochastic signals in circuits with natural convection of a coolant. 379992
Severdenko, V.P.
Effect of radial ultrasonic oscillations on hot and cold rolling of pipes and sheets. (INIS-mf – 3914) 349417
Technological potentialities of sheet forging using ultrasonic waves. (INIS-mf – 3914) 349416
Severijns, A.P.
An improved He^3-He^4 mixing chamber for single-cycle experiments. 376326
Severson, R.J.
Impact of codes and regulations governing the welding of nuclear components – Cu-based materials. 359983
Sevian, W.A.
Waste management and proliferation: an assessment of technologies and policies relevant to nuclear power. Final report, June 1975 – March 1977. (BNL – 50694) 366069
Sevilla, M.D.
Mechanisms for radiation damage in DNA constituents and DNA. 357561, 360234
Mechanisms for radiation damage in DNA constituents and DNA: reactions of the N_1-substituted thymine π-cation radicals. (COO – 2364-11) 359806
Mechanisms for radiation damage in DNA. Progress report, August 1, 1976 – October 31, 1977. (COO – 2364-10) 357560
Sevimli, H.
Dependence of the gamma-ray linear attenuation coefficient on the amount of cement in concrete. 372569
Sevost'yanova, E.P.
On the hydrolytic behaviour of neptunium (5). 378491
Sevryukova, L.M.
Investigation of niobium monocrystals by nuclear-physics methods. 375825
Sevy, R.H.
Evaluation of safety test needs for the gas cooled breeder reactors. (CONF-761001 – P1) 362911
Seward, F.D.
Observation of X-rays from the Crab Pulsar. 359175
Sewatkar, A.B.
A new solid phase reduction system using insoluble stannous salts for the preparation of sup(99m)Tc labeled radiopharmaceuticals. (INIS-mf – 4010) 357116
Sewell, E.C.
Ionisation and charge transfer in fast H^+-He^+ collisions: further measurements of improved accuracy. 374598
Sexauer, C.
End group characterization in DNA of thymocytes after low doses of ionizing radiation. 367449
Repair of radiation-induced DNA strand breaks in thymocytes. 349696
Sexl, R.U.
A test theory of special relativity. 363806, 363807, 363808
Sexton, B.
Surface vibrations and the nature of the adsorption state: C_2H_2 on Pt(111). 353439
Seya, Toko
HIGHTEX: a computer program for the steady-state simulation of steam-methane reformers used in a nuclear process heat plant. (JAERI-M – 7232) 380157
Seybold, G.D.
RAFT: a computer program for fault tree risk calculations. (BNWL – 2146) 380008
Seybold, K.
Functional scintigraphy of salivary glands with ^{123}I and sup(99m)TcO_4. (INIS-mf – 4010) 367596
Seyboth, P.
Charged particle multiplicity distributions in pp collisions at ISR energies. 356525
Seyd, G.
Device for closing defective heat exchanger tubes. 376329
Seydel, J.E.
Neutron tomography investigations at the Missouri University Research Reactor. 358322
Seyerlein, J.
Diffraction dissociation in the reaction $pp \rightarrow p\Lambda K^+$ at 12 and 24 GeV/c. 353969
Seyfarth, H.
The study of the (n,α) and $(n,\gamma\alpha)$ reactions on ^{143}Nd. 356677
Seyfert, H.
Total cross sections for charged-current neutrino and antineutrino interactions in BEBC in the energy range 20-200 GeV. 353945
Seyfert, H.H.
Strange particle production in three- and four-body final states of 16 GeV/c π^+p reactions. 353944
Seyfert, P.
A cryogenic neutron polarization filter. 361084
Seynaeve, F.
Industrial aspects of radioactive waste management in Western Europe. 368449
Seyss, R.
A simplified instrumentation for the continuous measurement of the sup(99m)technetium accumulation during 15 minutes. 352174
Sgrillo, R.B.
Influence of oxygen, nitrogen and carbonic gas during gamma irradiation of 'Sitophilus zeamais' Mots. and 'Zabrotes subfasciatus' (Boh.). (CENA-BC – 041) 365483
Labelling of adults of 'Diatraea Saccharalis' (F.) through feeding of worms with radioisotope (^{59}Fe) labelled diet. 352148
Sgro, A.G.
Plasma rotation during implosion in a theta pinch. 366503
Sha, W.T.
Bubble dynamics in a superheated liquid. (ANL – 77-20) 379805
Growth of a sodium vapour bubble rising in the superheated liquid. 373998
Numerical results obtained from the three dimensional transient single phase version of the COMMIX computer code. (ANL-CT – 78-3) 373802
Resolution of geometrical configurations by a 3-D staggered mesh system. (ANL-CT – 77-10) 352461
Three-dimensional numerical simulation of LMFBR outlet plenum mixing. 352778
Shaat, E.A.M.
The Durham extensive air shower array. I. 366033
Shabadash, A.N.
Radiation copolymerization of resin FL-2. 351630
Shabalin, E.P.
IBR-2-the periodically pulsed reactor for neutron investigations. (INIS-mf – 3946) 356682
Shabalina, N.N.
Influence of preliminary heat treatment of heat resistant steels of pearlite class on the tendency of welded joints to fractures in reheating. 375787
Shabana, R.
On the use of anion exchange resin and acidic-organic mixtures in the separation of Na, Cs and Ba. (KFK – 2460) 351622
Shaband, A.E.
Group-induced quantization in central problems in mechanics. 363836
Shabanov, L.N.
Effective cross sections of impact broadening of 285,2 nm line of MgI and the potential of interaction of magnesium atoms with rare gases. (INIS-mf – 3915) 348724
Shabanov, V.T.
Connection pipe of a reactor charging machine. (Soviet patent document 392792/A/) 350129
Locking plug for a nuclear reactor channel. (Soviet patent document 377069/A/) 379549
Technique for a reactor charging machine guidance on a technology channel of a nuclear reactor. (Soviet patent document 392793/A/) 379443
Shabashov, M.F.
Calibration of the 58 AVP type photomultiplier. (JINR – 13-9002) 350365
Power supply regime of 58AVP photomultipliers in spectrometric channels of Cherenkov counters. 371113
Shaboyan, S.A.
New scanning method for the visualization of X-ray topographic pictures. 352840
Shaburov, V.E.
Fabrication of cold-rolled bands of the alloy-ehi 702 in rolls. 373158
Shachnev, V.I.
Binding energy in solid solutions of silicon – alloying element. 375562
Shack, W.J.
Development of a finite-strain fuel-element model. (CONF-770807 – 41) 365978
Prediction of high strain-rate deformation of LMFBR cladding during reactor transients. (CONF-761001 – P3) 365533
Shackleton, D.N.
Welding of castings. An international conference arranged by the Welding Institute, The Steel Castings Research and Trade Association, and the BNF Metals Technology Centre, Bradford, 21-23 September, 1976. 359983
Shadchin, S.A.
Angular momentum reduction in the four-body problem. 369433
Shadrin, E.B.
Resonance combination light scattering on longitudinal optical phonons in mixed crystals. 350743

Shadrina, G.A.
Combination of the methods of x-ray chemical shift and Moessbauer effect for investigation of the electron valence structure of nontransition elements. 368847
Shadrina, N.I.
Effect of inhibitors on corrosion behaviour of stressed steel-20 in hydrochloric-acid and citric-acid solutions. 351659
Shadrunova, A.P.
Determination of nickel in ferronickel by the thermoelectric method. 375255
Shadzhyuvene, S.D.
Multielectron excitations at argon ion-atom collisions. 377111
Theoretical investigation of the energy spectra of the oxygen isoelectronic sequences taking into account relativistic corrections. 376978
Shafer, J.M.
The electron beam coating of turbine components and ion plating. 377165
Shafer, R.
Inclusive production of π^{+-}, K^{+-},p,p-bar in high-energy p-p collisions. 372527
Shafer, Yu.G.
On possible influence of cosmic rays on ozone content change in the stratosphere. 357548
Shaffer, J.H.
Reaction of uranyl nitrate solutions with amberlite IRC-72 cation exchange resin at 30°C: a kinetic investigation for the HTGR fuel recycle plant. (ORNL/TM – 5866) 378565
Shafi, Q.
Left-right symmetric gauge models and possible existence of a neutral gauge boson with mass in the PETRA-PEP energy range. 372484
Renormalization group and non-polynomial field theories. 368592
Shafiev, A.I.
PUlse thermonuclear breeder for technological heat production. (INIS-mf – 3954) 361516
Shafique, M.
Development of a national nuclear power programme. Constraints likely to influence timing and introduction. 371246
Experience in implementation of nuclear power projects in Pakistan. 352713
Shafizade, R.B.
Electron diffraction study of crystallization kinetics of In_2S_3 amorphous films. 355979
Investigation into interaction of indium, sulfur and In_2S_3 films. 369584
Shafranov, B.V.
Hygienic aspects of biological effects of ultraviolet radiation in industry. 360552
Shafranov, M.D.
Neutron detectors and their application in the high-energy and elementary particle physics. 361054
On polymerization of plastic scintillator blocks of large dimensions. 379887
Shafrir, N.H.
Parameter analysis of an electrostatic particle guide using radioactive recoil ions. 379979
A technique for the range measurements of individual ^{252}Cf fission fragments. (INIS-mf – 4052) 367876
Shafroth, S.M.
Absolute C K x-ray production cross sections for 18 – 26-MeV protons on thin carbon foils. 350577
Incident energy dependence of projectile fluorescence yields in ion-solid collisions. (INIS-mf – 3996) 364132
Zero thickness cross sections for K X-rays and REC produced in collisions of Cl ions with thin Cu targets. 353370
Shah, D.N.
Experience at Deer Island with electron disinfection of sludge at high flow rates. (INIS-mf – 4220) 379416
Shah, G.A.
Unusual extinction profiles by Rayleigh scattering. 374960
Shah, G.N.
Recurrent Forbush decreases and relationship between active regions and M-regions. (BARC – 931) 372264
Shah, H.H.
Torsional seismic response of symmetrical structures. 379309
Shah, J.C.
Experience from the construction and operation of the Tarapur and Rajasthan nuclear power stations. 371003
Shah, K.R.
A study of trace element distribution in the Solvent Refined Coal (SRC) process using neutron activation analysis. 375262
Shah, M.B.
Electron capture and $He^+(2s)$ formation in fast He^{2+}-H and He^+-H collisions. 368699
Electron loss by 35-1000 keV He^+ ions in collisions with atomic and molecular hydrogen. 366367
Shah, S.K.
Digital model helps review of nuclear power plant control system. 350182
Shah, V.C.
Effect of low dose x-radiation on nucleic acids and protein content of guineapig, rat and mouse tissues. 373514
Effect of total body sub-lethal dose of gamma-irradiation on ascorbic acid levels in pigeon tissues. 373521
Effects of sub-lethal doses of γ-irradiation on phosphatases and succinate dehydrogenase levels in liver, kidney and spleen pigeons. 373544
Shah, V.L.
Bubble dynamics in a superheated liquid. (ANL – 77-20) 379805
Growth of a sodium vapour bubble rising in the superheated liquid. 373998
Shah, V.M.
Polonium-210 in cigarette smoke. 367549
Shaham, J.
Information about accretion flows from x-ray timing of pulsating sources. (CONF-7510169 –) 364361
Polarization of UV radiation from accretion discs and the possible 39sup(d) period in cygnus X-1. (WIS-PH – 77/29) 364384
Possible 39-d polarisation period in Cyg X-1. 359133
Upper bounds on collisional Penrose processes near rotating black-hole horizons. 372240
Shaham, M.
NMR study of platinum at high temperature. (IA – 1338) 364116
Shahani, M.G.
Establishment of a precision long counter as a secondary standard for fast neutron flux density measurement. (BARC – 916) 374334
A fast neutron detector with linear energy response. 374335
National standards of ionizing radiations maintained at BARC, Trombay, Bombay : Part II – Radioactivity standards. (INIS-mf – 4161) 376253
Shahbazian, K.
201-GeV/c proton-proton elastic scattering at large momentum transfer. 366888
Shahinian, P.
Creep crack growth in Alloy 718. 357319
Shahrokhi, F.
Tracking nonstationary velocity in two-phase flow by an adaptive cross-correlation algorithm. 352258
Shajkevich, S.S.
Development and investigation of a two-line tube rolling on the KhPT-55 cold tube rolling mill. 349408
Shakarchi, Kh.I.
Level scheme of sup(105)Pd. 359375
Shaker, M.O.
A new version of the R-matrix theory for heavy ion transfer reactions. 356635
Shakeshaft, R.
Alternative derivation of the Bates distortion approximation for ion-atom collisions. 366368
Excitation of "atoms" by fast particles in the high-momentum-transfer limit. 363923
Shakh-Budagov, A.L.
Multipurpose facility for measuring spectra of inelastically scattered neutrons in condensed media. (Soviet patent document 278897/A/) 355540
Shakhatre, M.
Enhancement of neutron yield from Focus devices. (INIS-mf – 3963) 371787
Shakhazizyan, S.P.
Positron annihilation in α-$LiIO_3$. 374798
Shakhazizyan, S.R.
Spectrometer for the investigation of electron momentum distribution in solids by means of the positron annihilation method. 366405
Shakhbazyan, V.A.
Comparison of models in the complex momenta theory as applied to PIdeg-messon photoproduction on ^4He nucleus. (EFI – 101(74)) 361808
Shakhin, E.L.
Use of solid electrolytes for investigation of systems Mo, MoO_2 and Cr, Cr_2O_3 at 1000-1700 deg C. (INIS-mf – 4189) 375612
Shakhmatov, V.M.
Effect of a strong electromagnetic wave on radiation of weakly excited electrons moving in a magnetic field. 348573
Shakhnazarov, Yu.V.
Effect of surface decarburization and carburization of sample various faces and core structure on the steel impact viscosity. 357326
Shakhno, I.V.
Synthesis of double chromates of cerium subgroup rare earths and potassium from solutions and studying some of their properties. 359688
Shakhov, V.I.
Electron linear waveguide accelerators for applied purposes. (INIS-mf – 4194) 376273
Shakhova, K.V.
Ionic conductivity of CsI and CsI(Na) crystals. 374785
Shakhova, Ts.I.
A study of inelastic pion-nucleus interactions at 200 GeV/c in an emulsion. 356481
Shakhovskij, N.M.
Observations of linear polarization of the supernova type 1 optical radiation in the NGG 7723 galaxy. 361734
Shakhovskoy, N.M.
Rapid fluctuations of radio flux and polarisation in quasar 3C273. 351004
Shakhovtsev, V.I.
Gamma-irradiation effect on electric properties of n-type Si with inhomogeneous distribution of impurities. 349581
Shakhovtseva, S.I.
Gamma-irradiation effect on electric properties of n-type Si with inhomogeneous distribution of impurities. 349581
Shakhtakhtinskij, A.B.
Determination of conditions of gadolinium precipitation by arsenate ions. 359570
Shakhtakhtinskij, G.V.
Quantitative chemical analysis of gadolinium and scandium. 375354

Shakhverdov, T.A.
Study of complexing between organic molecules and rare earth ions in solutions by the method of electron energy transfer. 362177
Shakin, C.M.
Can multiple-scattering theory explain the low-energy pion-nucleus interaction. 351297
Measurement of pion-nucleus total cross sections as a test for the existence of a pion condensate. 372594
Pion production and absorption in nuclear reactions. I. The vertex function. 364708
Shakirov, U.A.
Impurity diffusion in silicon accelerated by ^{60}Co gamma radiation. 374734
Shakoor, A.
Induction of resistance to yellow mosaic virus in mungbean through induced mutations. 373753
Shakshin, N.I.
Study of continuous electromagnetic-acoustic conversion efficiency in ferromagnetic metals with normal skin-effect. 378660
Shakshooki, S.K.
Recipient's view of rational technology transfer. 352539
Shakun, N.A.
Some applications of the method of element analysis by proton-excited x-radiation. 359573
Shakun, N.G.
Focusing in the phasotron central region at a positive potential in the discharge chamber of the ion source. (JINR-R – 9-9284) 355216
Shakura, N.I.
The β Persei – X-ray source of a new type. 361729
Decrease of periods of binary X-ray pulsars as an indicator of normal component evolution. 369214
Life of dying stars. 349031
Store-discs in binary systems and their observational appearances. 369215
Shakurova, N.K.
Use of diethyldithiophosphoric acid for extraction-polarographic determination of some metals. 375232
Shal'nikov, A.I.
Electric properties of thin cesium and rubidium films. 374663
Shal'nova, G.A.
Certain indices of immunologic responsiveness in dogs in the delayed time-intervals after administration of polonium. 365396
Shal'nova, K.G.
Transition metal complexes with pyrocatechinolates and semiquinolates. 369694
Shalaevskij, M.R.
The volatility of mendelevium and its binary compounds. (JINR-R – 6-10334) 378500
Shalaevskij, S.I.
Isopiestic investigation of solutions of tributyl phosphate (TBP) and TBPxHNO_3 complexes in benzene at 25 deg. 349234
Shalaginov, V.N.
Mechanism of thermal dehydration of Ti and Zr hydroxides. 359679
Shalak, N.I.
Studying and rating of building materials radioactivity. (INIS-mf – 3787) 352314
Shaldin, Yu.V.
Low-frequency electrooptical properties of lithium iodate crystals. 348843
Shaldybaeva, A.M.
Polarographic behaviour of the Cd^{2+}+3,3'-dipyridyl system. 378337
Shalet, S.M.
Radiation and growth hormone deficiency. 352055
Shalev, S.
Delayed neutron emission probabilities of Rb and Cs isotopes. (IA – 1338) 364602
Evaluated delayed neutron spectra and their importance in reactor calculations. 362100
Genfit: a general least squares curve fitting program for mini-computer. (IEA-TI – 57) 366218
Shalimanov, V.F.
Nanosecond electron accelerator. 370776
Shalimova, M.A.
Magnetic properties in the vicinity of the Curie point of $CdCr_2Se_4$ doped single crystals. 377162
Shalitin, D.
Optimal choice of the initial flux for iterative solutions of the inhomogeneous transport equation. 352449
Sensitivities of neutron spectra to reactivity in different formulations of the stationary transport equation. (INIS-mf – 4052) 372564
Shalpukov, A.Sh.
Intrinsic and extrinsic conductivities of KBr and KJ crystals. 358865
Shalpykov, A.Sh.
Dynamics of dislocations in alkaline haloid crystals with bivalent impurities. 366487
Shaltiel, D.
ESR of impurity as a probe for the host exchange interaction in Tm Van-Vleck compounds. 378760
Relaxation phenomena and host exchange parameters in Tm van Vleck compounds. 350791
Shalunenko, N.I.
Investigation of structure and local radiation centers of glass of Al_2O_3 – SiO_2 system by spectroscopic methods. 375942
Shalyevsky, M.R.
Chemical isolation of element 105 (nilsbohrium) as eka-tantalum in the form of anhydrous bromide. Pt. 2. 351629
Sham, R.
Visualization of a bullet track on brain imaging. Case report. 360384
Sham, T.K.
Shake-up satellites in X-ray photoelectron (ESCA) spectra of 5f^{0}Th(IV) compounds. 356929
Shamaev, V.I.
Investigation of alkyl phosphoric acids as substoichiometric reagents for determination of hafnium with radiometric methods. 359546
On conditions of substoichiometric separation in radiometric correction and isotope dilution methods. 372926
Shamaeva, Z.G.
Study of complexes of tributyl phosphate with rare earth chlorides. (INIS-mf – 4195) 375475
Shamai, Y.
Radioactive fallout studies in Israel. (INIS-mf – 4052) 373756
Shamanov, V.V.
Observation of muon pairs in neutrino interactions at Serpukhov 70 GeV accelerator. 361870
Use of lavsan thin film in optical spark chambers. 379964
Shamanskaya, E.A.
Effect of metal oxide additions and pH value on condensation of formaldehyde to carbohydrates on lead catalyst. 369629
Shamov, S.A.
Kinetic theory of beam instability in periodic systems. 358862
Shamov, V.P.
Contribution to estimation and the standardization of the maximum permissible in-take of iodine radioactive isotopes by human organism. (INIS-mf – 3913) 376211
Studying and rating of building materials radioactivity. (INIS-mf – 3787) 352314
Shamraj, K.P.
Generation of dense-plasma fast flows while laser irradiation of a solid target. (KIYI – 76-4) 374849
Shamraj, N.B.
Crystal structure of holmium periodate – $HoIO_3.4H_2O$. 349289
Shamraj, V.F.
Study of some ternary solid solutions on V_3Si compound base. 378581
Superconductivity of the Nb_3Al compound. 370045
Shamratova, V.G.
Changes in the ATP-ase. Activity of tissues caused by combined irradiation of the organism under thermal stresses. 379029
Shamrin, V.M.
Effect of titanium dioxide and cinstant magnetic field on dielectric parameters of ferrites of TiO_2-Fe_2O_3-CaO-V_2O_5 system. 365210
Shamu, R.
The nuclear deformation of ^{148}, ^{15}+H0, ^{152}, ^{154}Sm determined from neutron scattering measurement. (INIS-mf – 3897) 356876
Shamukov, N.A.
Double magnetoacoustic resonances in crystals. 374715
Spectroscopy of admixture centers of iron in crystals of lithium niobates. (INIS-mf – 3955) 378227
Shan'gin, N.N.
Reactive force acting on a growing bubble in consequence of evaporating molecules. 373994
Shanahan, W.R.
Instability of a nonneutral electron beam propagating in an inhomogeneous magnetic field. 350938
Relativistic electron beam cyclotron wave growth in helical slow wave structures. (LA-UR – 77-2205) 374061
Shandarin, S.F.
A mean density and a correlation function of rich clusters: theory and observations. 374899
Shandor, L.
Technique of study on the $\pi^-p \rightarrow p\pi^+\pi^-\pi^- + m\pi^0$ and $\pi^-p \rightarrow n\pi^+\pi^+\pi^-\pi^- + m\pi^0$ reactions at 5GeV/c by means of a one-meter propane bubble chamber. (JINR – 1-8514) 369389
Shandrik, Sh.
Locating fuel element canning defects in the reactor KS-150. 376553
Shaner, J.W.
Determination of sound velocity in liquid metals at temperatures above 4000 K. (UCRL – 79322(Rev.1)) 351746
Thermal expansion of metals over the entire liquid range. (UCRL – 80007) 362454
Thermophysical and transport properties of metals at high pressure and very high temperature. (UCRL – 79586) 351806
Thermophysical measurements on liquid metals above 4000 K. (UCRL – 78782) 359984
Thermophysical properties of liquid tantalum and molybdenum. 370046
Shani, G.
Air pollution measurements in a semi-arid zone, using neutron activation analysis. 367441
A comparison of two methods of pulse-shape discrimination for alpha-gamma separation with trans-stilbene. 363590
Shani, J.
A model prediction of chemotherapy response to 5-fluorouracil: differential distribution of ^{18}F-5-fluorouracil in sensitive versus resistant lymphocytic leukemia in mice. (INIS-mf – 3663) 354869
Radiopharmacology of the phosphorus burn: radioautography, biochemistry, pathophysiology and neutralization. (INIS-mf – 4052) 376126
Shank, K.E.
Health physics aspects of fusion power. (ORNL – 5171) 367565
Quality assurance applied to an environmental surveillance program. (CONF-771113 – 8) 378937

Subsurface investigation of the Energy Systems Research Laboratory site at Oak Ridge National Laboratory. (ORNL/TM – 5695) 351942
Shankar Singh, R.
Activity report 1975. (RRC – 19) 376403
An analysis of the breeding capability of various fast reactor fuels. (RRC – 16) 376582
Shankland, I.R.
Isotope effect in diffusion of perdeuteriobenzene and benzene in a series of normal hydrocarbons at 25°C. 357065
Shanley, J.
Magnetocrystalline anisotropy in Y_2Co_{17}, Dy_2Co_{17}, and Y2/sub x/Dy2/sub1/sub 1-x)/Co_{17} (x = 1/3, 2/3). 351781
Shannon, J.O.
Giant resonances and bound collective states observed in the scattering of 92.5-MeV electrons from the closed-neutron-shell nucleus ^{89}Y between excitation energies from 2.0 to 55 MeV. 364814
Shannon, T.E.
Design approaches for enchancing the engineering feasibility of tokamak power reactors. 377536
Shanshal, A.
Studies on a practically carrier-free labelling of organic molecules by iodine-123 and iodine-125. (Juel – 1402) 354409
Shantarovich, V.P.
Effect of viscosity on positronium formation in liquid phase. 375627
Hydration energy of positron and oxidation reactions of positronium. 375626
On annihilation of positrons in gaseous neon. 369749
Study of the nature of chemical bonding in BeH_2 and AlH_3 by the positron method. 374654
Shantha, V.
Safety in teletherapeutic oncology. 367815
Shanthakumari, P.
$^{14}CO_2$-fixation and nitrate reductase activity in vivo in relation to hybrid vigour in maize. 367612
Shapar, H.K.
Transfer of U.S. experience on regulatory matters. 352606
Shapar', A.V.
Efficiency of a neutron detector of 'helium counters in a moderator' type. 374359
Time-of-flight method for neutron spectra measurement in fast critical assemblies. (FEI – 620) 358359
Shaparev, N.Ya.
Velocity distribution of atoms in a quasiresonance electromagnetic field. 350618
Shapet'ko, N.N.
Study of regularity of radiation-chemical interaction of halogenated and unhalogenated olefines with silane derivates. 362292
Shapira, A.
Evidence for the F meson. 353947
Shapira, D.
Spins of resonances in the $^{12}C + {}^{16}O$ system. 362104
Shapiro, A.B.
Inhibition of radiation-chemical oxidation of n-octane by stable iminoxyl biradicals. 378545
Shapiro, A.M.
Progress report of a research program in experimental high energy physics, September 1, 1976 – December 31, 1977. (COO – 3130TB-236) 377828
Shapiro, B.
Failure of somatostatin to influence in vitro $^{35}SO_4$ uptake into cartilage. 376141
Shapiro, F.L.
Ferromagnetic shutters for ultracold neutrons. (JINR-R – 3-9185) 349998, 376335
Shapiro, G.
Measurement of the π^+p and π^-p polarization parameters at 100 GeV/c. 351209
Proton and pion spectra at large angles in relativistic heavy-ion collisions. (LBL – 670) 378037
Shapiro, G.M.
Glass-phase crystallization effect on ceramics welding to metals. 369867
Shapiro, I.I.
Viking relativity experiment. 366755
Shapiro, I.S.
Bound and resonant states in the nucleon-antinucleon system. (JINR-D – 1,2-10400(v.1)) 377935
Interaction of J/psi – particles with nucleons and nuclei in the soliton model. 375037
Narrow levels in the spectrum of quasinuclear bound and resonance B anti B states. 366826
The physics of nucleon-antinucleon systems. 377768
Processes taking place in arc plasmatron chamber in cutting of metals. 349418
Production of superfast pions in collisions of relativistic deuterons with protons and nuclei. 375042
Soliton model of phi boson type particles. 369332
Shapiro, M.
Deconvolution of differential cross sections obtained from molecular beam experiments. 366369
Multiple ecattering theory. II. 368700
Shapiro, N.I.
Influence of cysteamine on x-ray induction of mutations on resistance to 8-azaguanine in chinese hamster cells in vitro. 349699
Shapiro, P.R.
Nonequilibrium ionization of solar flare coronal plasma and the emergent X-ray spectrum. 372265
Shapiro, R.H.
Hydrogen-deuterium exchange reactions of carbanions with D_2O in the gas phase. 378410
Shapiro, S.G.
Elastic scattering of slow positrons on atoms. (INIS-mf – 3915) 368606
Shapiro, S.L.
Dissolution of globular clusters containing massive black holes. 364405
Formation of elliptical galaxies by tidal interactions. 351046
Shapiro, S.M.
Elastic neutron-scattering study of the three low-temperature transitions in tetrathiafulvalenium-tetracyanoquinodimethanide. 365219
Field-dependent magnetic phase transitions in mixed-valent TmSe. 367318
Spin dynamics in the mixed valence alloy Ce/sub 1ts-tsx/Th/sub x/. 359985
Shapiro, V.D.
Relaxation of high-current electron beams and modulation instability. 368945
Shapiro, Z.M.
Thermoelectric generator operating with nuclear energy. (German (F.R.) patent document 1614309/C/) 355097
Shapkin, G.N.
Synthesis of americium diphtalocyanine and some its properties. 369757
Shapkin, P.V.
Photoluminescent properties and optical gain of CdS, CdSe monocrystals excited by electron beam. 348770
Shapkina, Y.S.
Emission flame spectrophotometry of chromium, cobalt, nickel trace amounts. 349186
Shapkov, G.G.
Radioisotope X-ray fluorescence analyzer for elemental rock and ore analysis in natural deposits. (Czechoslovak patent document 157766/B/) 371174
Shapley, D.
Reporting on nuclear power: the Tennessee Valley case. 361188
Shaporenko, A.A.
Ionization of He and Ne atoms by Li^+ ions near threshold energies. (INIS-mf – 3915) 348703
Method of measurement of total cross section ionization in small-energy ion-atom collisions. (INIS-mf – 3915) 350334
Proton charge exchange on atoms of rare gases at the 80-1000 eV collision energy. (INIS-mf – 3915) 348735
Shaporov, B.D.
The KAP type device with transfer converter to control the mechanical properties of steel tubes using a higher harmonic method. 363375
Shaposhnikov, V.E.
The inverse Compton-effect and the radiation of Crab pulsar. 377650
Shaposhnikov, V.N.
Investigation into the steel nitridation in glow discharge. 349402
Shapotkovskij, N.V.
Ion-ion hybrid resonance and Alfven waves in tokamak TM-1-HF. (INIS-mf – 3963) 372073
Shapoval, V.I.
Electroreduction of metal ions in the KCl-LiCl melt in the presence of oxygen ions. (INIS-mf – 4189) 375563
Shapoval, V.N.
Binary molybdates of aluminium, gallium, indium, chromium, iron and bismuth with monovalent silver and thallium. 351541
Shapovalov, Eh.P.
Technique for relay detection of ionizing radiation. (Soviet patent document 461395/A/) 379936
Shapovalov, M.P.
Kinetic of the reduction of neptunium by hydrazine. Pt. 5. Reduction of Np(V) to Np(IV) in nitric acid media. 365025
Kinetics of neptunium (4) oxidation by pentavalent vanadium in perchloric acid solution. 357100
Shapovalov, V.I.
Faraday effect and physical properties of epitaxial films of bismuth-containing ferrite garnets with magnetic compensation point. 358858
Fine structure of phase diagram of $Tb_3Fe_5O_{12}$ in quasiantiferromagnetic state on magnetization along the 2-fold symmetry axis. 361455
Shapovalov, V.N.
On motion integrals in quantum mechanics. 374578
Symmetry of equations of motion for a free particle in the Riemann space. 348619
Shapovalov, V.V.
The effect of composition of mixture on rate of radiation initiation of chain reactions. 369805
Shapovalova, E.N.
Study of polarographic behaviour of indium, cadmium, lead and zinc in solutions saturated by tridecylamine. 378392
Use of tridecylamine for extraction-chromatographic separation of indium, cadmium, zinc, iron and lead. 378086
Shapovalova, L.P.
Studing structure and catalytic properties of Co-Mo-oxidic catalyst during its reduction by hydrocarbons. 378416
Shapovalova, O.M.
Corrosion behaviour of metals in the production of lead. 359837
Shappert, L.B.
The full-scale cask program at ORNL. 350037
Obsolete cask program: oblique and center-of-gravity drop tests.

(ORNL/TM - 1312(Vol.17)) 367953
United States experience in the transport of radioactive materials. 367952
Shapsheva, N.P.
Spectra of photoconductivity of Ga doped $CdCr_2Se_4$ monocrystals. 377192
Sharabyan, Yu.G.
Investigation of inclusive proton photoproduction by bremsstrahlung gamma quanta with maximum energy 2.0-4.5 GeV. 369458
Sharapov, B.N.
Intramolecular hydrogen bonding as a model for describing donor-acceptor interactions. 359643
Sharapov, E.I.
IBR-2-the periodically pulsed reactor for neutron investigations. (INIS-mf - 3946) 356682
Sharapov, Eh.I.
Magnetic moments of Tb and Ho compound states. (INIS-mf - 3897) 356681
Neutron resonance spins of ^{159}Tb from experiments with polarized neutrons and polarized nuclei. (INIS-mf - 3897) 354132
Spin dependence of the total neutron cross section of ^{169}Tm and ^{141}Pr in the neutron energy range up to 100 keV. (JINR-R - 3-10835) 377954
Sharapov, V.M.
Effect of irradiation by low-power ions of hydrogen on its diffusion in molybdenum. 373382
Sharapov, V.N.
Experience of operation of channels with uniflow generation of steam in the first APS reactor. 350238
Sharapova, K.M.
Automatic method of acid refining of thin-dispersed zircon. 375930
Sharapova, T.S.
On polarographic reduction of mixed-ligand complexes of zinc and cadmium with ethyl xanthate and 2,2'-bipyridyl. 369603
Sharber, J.R.
Development of auroral and geomagnetic substorm activity after a southward turning of the interplanetary magnetic field following several hours of magnetic calm. 370300
Share, G.H.
Pulse-shape discrimination of high-energy neutrons and gamma rays in NaI(Tl). 379945
Sharefkin, M.
Simple, uncertain economics of multinational reprocessing centers. 375751
Sharf, V.Z.
Investigation into mechanism of hydrogen transfer from alcohol to ketone in the presence of $RhCl(PPh_3)_3$ and $RuCl_2(PPh_3)_3$ complexes. 375564
Isomerization and reduction of 1-hexene-5-one in the presence of $RuCl_2(PPh_3)_3$ and $RhCl(PPh_3)_3$ complexes. 367126
Reduction of unsaturated ketones by 2-propanol catalysed by the $RhCl(PPh_3)_3$ and $RuCl_2(PPh_3)_3$ complexes. 375565
Sharfman, N.
Comparison of the line-reversed channels p-barp $\rightarrow \pi^-\pi^+$ and $\pi^+p \rightarrow p\pi^+$ at 6 GeV/c. 351232
Measurement of the line-reversed reactions p-barp $\rightarrow \pi^-$rho$^-$ and $\pi^-p \rightarrow$ prho$^-$ at 6 GeV/c. 369376
Shargorodskij, S.Yu.
Thermal stresses in the metal-silicide coating system. 369869
Sharibdzhanov, R.I.
Calculation of particle flux density spectrum in extensive air showers. 362610
Sharifkulov, K.S.
Effectiveness of geophysical exploration techniques in determination and evaluation of carbonate reservoirs for oil and gas in the Uzbek fields. 375983
Sharipov, G.L.
On products of radiolysis of sulfuric-acid solutions of uranyl and their radiochemiluminescence. (INIS-mf - 4195) 375660
Radioluminescence of uranyl solutions in perchloric acid induced by U^{238} self α-radiation. On possible radiation from triplet state of water. 359759
Radioluminescence of uranyl solutions in sulfuric acid under α-irradiation of U^{238}. Dependence on acidity and temperature. 375716
Sharipov, Kh.T.
Luminescence spectra of rare earth ions in $LaYO_3$ and $LaLuO_3$. (INIS-mf - 3955) 366450
Sharipov, Sh.Sh.
Rotational single-particle states of odd nonaxial nuclei. (KIYI - 76-2) 356611
Sharir, Y.
Encapsulation of radioactive-sources. (INIS-mf - 4052) 373930
Sharitz, R.R.
Response of a forest ecotone to ionizing radiation. Progress report, October 15, 1976 - October 14, 1977. (COO - 2283-8) 357571
Sharkis, S.J.
Tritiated thymidine incorporation and cell-mediated lympholysis as correlates of acute graft-versus-host reaction. 367641
Sharkov, B.Yu.
Study in ion composition on a plasma produced by CO_2 laser radiation. 370736
Sharlaj, S.F.
Changes in magneto-optical properties of activated glass under the action of γ-radiation of Co^{60}. 370216
Sharma, A.S.
Connection between wave envelope and explicit solution of a nonlinear dispersive wave equation. (IPP - 6/158) 350544
Sharma, B.D.
Defect structure and post irradiation annealing of neutron-irradiating nickel alloys. 367324
Sharma, c.L.
Diphenic acid as a selective reagent for the amperometric determination of thorium(IV). 367054
Sharma, C.S.
An extended characterisation theorem for quantum logics. 350545
Sharma, D.
Binding of $^{45}Ca^{2+}$ to particulate fractions of coleoptile tissue. 354905
Distribution of radioiodine-131 in the tissues of buffalo (Bubalus bubalis). 352070
A fast neutron detector with linear energy response. 374335
Sharma, H.L.
Study of ^{191}Pt, ^{193}Pt, ^{195}Pt and ^{197}Pt using pick-up reactions. (IPNO-PhN - 77-13) 356709
Sharma, I.G.
Electrometallurgy of Ti, Zr and Hf. 351716
Fused salt electrorefining of zircaloy scrap. 367224
Sharma, J.K.
Self-reflection of intense electromagnetic waves in plasmas. 353647
Sharma, J.S.
Backward N* production in pd collisions. 369508
Sharma, K.C.
Search for anisotropy in Moessbauer absorption in biotites. 366466
Sharma, K.N.
Potentiometric estimation of potassium octacyano-molybdate(IV). 349169
Sharma, K.S.
Nucleon separation and pairing energies, decay energies and atomic masses for $68 <= Z <= 72$. 359523
Precise atomic masses and mass differences for W and Re. 356877
Precise single neutron separation energies of Ti, Fe, and Zn. 356694
Sharma, L.M.
Gravimetric estimation of thorium(IV) and zirconium(IV). 375301
Sharma, M.C.
Solar zenith angle dependence of sudden cosmic noise absorptions. 356315
Sharma, M.P.
Use of non-linear refractive index of liquid mixtures to determine possible geometries of the complex formation. 350778
Sharma, N.D.
Pressure dependence of the Moessbauer fraction for ^{57}Fe in Ti, V and Cu. 353429
Sharma, O.P.
Analyses of fission track etching and annealing phenomena in muscovite. 367387
Fission track annealing and age determination of chlorite. 376015
Sharma, R.B.
Root proliferation and grain yield of wheat triticale under irrigated conditions. 349819
Sharma, R.C.
On the nuclear mass parameter in asymmetric fission. 362028
Spectrum shapes of low-energy photon sources. 361942
Studies on in vivo calibration of a plutonium lung monitor. 371137
Sharma, R.G.
Influence of copper impurity on the superconducting transition temperature of the bulk Nb_3Sn alloy. 366810
Sharma, R.L.
Studies on the immune response of previously infected lambs to vaccination with the radiation attenuated Dictyocaulus filaria vaccine. 352144
Sharma, R.P.
Effect of self-focusing on parametric back-scattering and absorptive instabilities in a plasma. 368991
Multi-ion forces in the lattice dynamics of terbium and holmium. 366480
Sharma, R.R.
General method for an accurate evaluation of exponential integrals $E_1(x)$, $x>0$. 368481
Sharma, S.C.
High resolution lifetime study of positron trapping by vacancies in Pb and Pb - 4 at.% Cd. 362455
Track theory applied to physical, chemical, and biological systems. 361943
Sharma, S.D.
Effect of temperature on relaxation time in free radical complexes. 371647
Sharma, S.K.
Charged particle multiplicity in 400 GeV/c p-nucleus interactions in nuclear emulsion. 372498
Sharma, S.M.
Scintiphotography of lungs with dry aerosol - generation and delivery system: concise communication. 373666
Sharma, S.R.
Effect of turbulence on the rate of energy loss by a test charge moving in a plasma. 353638
Excitations of wave modes and energy loss by a charged particle passing through a plasma sheet. 372048
Rate of energy loss by a charge moving in a turbulent plasma. 350954
Sharma, T.R.
Response of adrenal gland to whole body ^{60}Co irradiation. 349738
Sharma, V.K.
Integral equations for four-particle problem in resonating group approximation. 356459

Sharmajtis, R.R.
Use of catalyst of ruthenium (6) in titrimetry. 378156
Sharnopol'skaya, E.T.
Electrical properties of films of Er and Yb tellurides. 370066
Sharon, A.
Mechanisms of vapor explosions. Technical progress report, October 1976 – March 1977. (COO – 2512-10) 352717
Sharon, A.C.
Flooding and mass transfer in Goodloe-packed columns, Part 2. (ORNL/MIT – 253) 358244
Sharon, M.
Chemical behaviour of recoil I^{128} atom in organic solution chlorobenzene and 1-chloro 2:4 nitrobenzene II. 378544
Sharov, A.S.
Identification and positions of some objects considered as globular clusters of the M31 Andromeda nebula. 377620
Sharov, V.A.
Magnetic and spectroscopic properties of vanadyl oxalates and their complexes with hydrazine. 351547
Sharova, N.M.
Properties of coatings based on alumomagnesium spinel. 370089
Sharovarov, G.A.
Physical and technical aspects of nuclear and chemical safety of nuclear power stations with N_2O_4 gas-cooled fast reactors. 371042
Sharoyan, Eh.G.
EPR and spin-lattice relaxation of Mo^{3+} ions in corundum and garnets. (INIS-mf – 3955) 377285
Sharp, D.A.
PR steady-state capability of WRAP-A water reactor analysis package. (DPST-NUREG – 77-3) 368163
Sharp, D.H.
Derivation of the virial expansion with application to Euclidean quantum field theory. 368567
The disposal of toxic and radioactive wastes. 350398
Unstable normal mode for Rayleigh – Taylor instability in viscous fluids. 371644
Sharp, D.S.
Reports distributed under the NRC Light-Water Reactor Safety Research Foreign Technical Exchange Program. Volume III, January – June 1977. (ORNL/NUREG/NSIC – 142) 373865
Sharp, N.A.
Tidal interactions and the massive halo hypothesis. 351099
Sharp, P.F.
Measurement of the performance of the gamma camera oscilloscope display. 361055
Sharp, R.D.
Observation of an ionospheric acceleration mechanism producing energetic (keV) ions primarily normal to the geomagnetic field direction. 360209
Observations of ions of ionospheric origin in the storm-time ring current. 373460
Sharp, W.M.
Electrostatic bounce modes in mirror plasmas. (UCRL – 52185) 356157
Sharpatyj, V.A.
Determination of yields of gaseous products of carbohydrates radiolysis by mass spectrometry method. 378519
Formation and transformations of radicals in frozen aqueous solutions of components of nucleic acids and H_3PO_4. 375705
Sharpe, B.W.
The Euratom safeguards system as a regional control system. 371304
Sharpe, R.M.
Gonadotrophins, testosterone and spermatogenesis in neonatally irradiated male rates: evidence for a role of the Sertoli cell in follicle-stimulating hormone feedback. 367489
The onset and establishment of spermatogenesis in rats in relation to gonadotrophin and testosterone levels. 367692
Sharpey-Schafer, J.F.
Spin and parity determinations for the 3723 keV, 4294 keV and 5313 keV levels in ^{36}Cl. 351398
The structure of levels in ^{67}Ga below 2.6 MeV excitation. 351321
Sharshakov, I.M.
Bordoni relaxation and magnetic transformation in cerium and cerium-lanthanum alloys. 367268
Study of α reversible γ transformation in cerium and cerium-neodymium alloys in relation to reversible shape-memory effect. 370047
Sharygin, D.G.
Thermomechanical isothermal treatment effect on structure and properties of a structural steel. 378756
Sharygin, L.M.
Adsorption of zirconium from nitric acid solutions on hydrated tin dioxide. 357124
Sharypin, V.I.
Flow rate distribution over parallel channels in the model of water-water reactor with natural circulation. (FEI – 616) 358215
Flow rate measurements by the cross-correlation of thermocouple stochastic signals in circuits with natural convection of a coolant. 379992
Shashkin, D.P.
Investigation into oxide bismuth-molybdenum-containing catalysts by X-ray phase analysis and diffuse reflection spectroscopy. 378324
Shashkina, T.B.
Solid-phase reactions in RbJ-AgJ system. 351583
Shashkova, T.N.
Investigation of temperature dependence of diamagnetic susceptibility. Effect of different additions on electronic structure of carbonic fibers. 378376
Shashurin, V.K.
On the possibility of thermal neutron detection by cadmium telluride detectors. 379958
Shastry, C.S.
Application of the two state approximation to positronium formation in hydrogen. 358769
Shastry, S.
Level structure of ^{84}Rb. (TID – 27909) 378057
Shatalov, G.E.
Effects of neutron constants on the neutronic calculation of a thermonuclear reactor blanket. (INIS-mf – 4043) 361589
Hybrid thermonuclear reactor for fissile material production. (INIS-mf – 3954) 361552
Material composition and neutron-physical calculation of reactor blanket for the TVEh-2500 facility. (INIS-mf – 3954) 361575
Neutron-physical characteristics of fusion pulsed reactors. (INIS-mf – 3954) 361517
Nuclear fuel production in hybrid thermonuclear reactors. (INIS-mf – 3954) 361643
PUlse thermonuclear breeder for technological heat production. (INIS-mf – 3954) 361516
Shatanov, A.A.
Multichannel commutator for nanosecond generators. 363621
Pulse voltage generator with 135 kJ energy storage for the "TONUS ZM" accelerator. 370772
Shatashvili, L.Kh.
Quasi-stationary problem of the 27-diurnal modulation theory of galactic cosmic rays. 356318
27-diurnal variations of intensity and anisotropy of cosmic rays for different times of solar activity. 356172
Shatinina, N.N.
Negative action of high-polymeric heterologons DNA on the survival of irradiated animals. 362686
Shatinskij, V.F.
Metal melt effect on metal deformation during mutual indentation. 359911
Shatinsky, V.F.
On analogy between surface fracture energy and activaiton energy of bonding in solid phase. 365182
Shatkovskaya, N.A.
DTA and differential thermogravimetric analysis of rhenium and molybdenum sulfides. 349217
Shatsillo, V.G.
Development of methods of solidification and burial of radioactive wastes from the fuel cycle. 368405
Shatskij, V.M.
Basic yttrium and lanthanum fluorides. 375566
On structure of scandium compounds of alunite type. 349290
Study of aluminium and scandium hydroxofluorides by the method of nuclear magnetic resonance. 362186
Shatterly, L.W.
Role of radiation in human leukemia. 362707
Shatunov, Y.M.
Radiative polarization: obtaining, control, using. 374058
Shatunov, Yu.M.
Method of absolute calibration of beam energy and storage rings. Mass measurement of a PHI meson. (JINR-D – 1,2-9342) 357947
Radiative polarization of beams in the VEPP-2M storage ring. 370769
Radiative polarization of beams in the VEPP-2M storage. (JINR-D – 1,2-9342) 357972
Shaulina, L.P.
Orthanilic dyes as reagents for spectrometric determination of rare earths. (INIS-mf – 4192) 375355
Shaurova, N.K.
Alloying of high-manganese steels with chromium and copper. 378665
Shaver, P.A.
Compact H II regions. 359160
Studies of low-frequency recombination lines from the direction of the Galactic Centre and other galactic sources. 372233
Shavga, V.A.
Diffusion titanium coatings on steel and cast iron. (INIS-mf – 4046) 369884
Shaviv, G.
Possible non-thermal effects in stellar nuclear reactions. 369026
Shavkun, V.V.
Fabrication of cold-rolled bands of the alloy-ehi 702 in rolls. 373158
Shavochkin, L.I.
Radioisoisotope tracking level gage-regulator. (Soviet patent document 381064/A/) 355105
Shavokhina, N.S.
An example of the two-body relativistic problem. 1. Genaral method and nonrelativistic model. (JINR-R – 2-10375) 376900
Shavrin, A.M.
Using extraction concentration for lanthanum determination in magnesium alloys. (INIS-mf – 4191) 375376
Shavrin, N.Yu.
Pulse mean frequency meter. (Soviet patent document 488173/A/) 376647
Shavrin, O.I.
High temperature thermomechanical treatment of carburized steel. (INIS-mf – 4046) 369875
Shavrin, P.I.
Comparison of results of simultaneous observation of flare of solar cosmic rays in September 1971 on two satellites. 374961
Shavrov, P.I.
Experimental water-water reactor. (Soviet patent document

438353/A/) 365998
Shavrov, V.G.
Magnetoelastic waves in orthoferrites. 374696
Shaw, D.M.
Portable instrument measures four ventilation parameters. 351938
Shaw, G.
Prebiotic polymers and infrared spectra of galactic sources. 353718
Shaw, L.J.
Large-scale tropospheric irregularities and their effect on radio astronomical seeing. 374915
Shaw, T.M.
EM study of crystallography and phase relationships in the Be_3N_2 - $BeSiN_2$ system. (LBL - 6930) 373305
Shay, D.
Casual and noncasual propagation of both tardyon and tachyon wave functions. 363837
Shay, H.D.
Energy and technology review. (UCRL - 52000-77-6) 371067, 377396, 377433, 377459, 377477, 377500
Shay, M.R.
Review of short-term fission-product-decay power. 362868
Shay, W.M.
Instrumenting a pressure suppression experiment for a MK I boiling water reactor: another measurements engineering challenge. (UCRL - 52314) 379299
Shayakubov, T.Sh.
Application of geophysical methods for well investigations in prospecting and exploration of spar fields in Uzbekistan. 365301
Shayer, Z.
Sensitivities of neutron spectra to reactivity in different formulations of the stationary transport equation. (INIS-mf - 4052) 372564
Shchadin, N.N.
Study of neutron spectra in the BFS-28, BFS-30, BFS-33 fast critical assemblies using CINI and FEI spectrometers with proportional counters of recoil protons. (FEI - 698) 376643
Shchaenko, V.V.
Interaction of recombination centers in Zns-Ag, Sm, and ZnS. CdS-Tm, Ni crystallophosphors. 371648
Investigation of excitation spectra of luminophors with rare earth ions in anti-stokes region. (INIS-mf - 3955) 362151
Shchapov, G.A.
Behaviour of active corrosion products in a system of boiling water power channel type reactor of a single-circuit NPP. 379676
Shchebetov, A.F.
Polarizing mirror. (Soviet patent document 437470/A/) 375079
Testing of logarithmic neutron-guide on the VVR-M reactor. (INIS-mf - 3895) 355149
Shchebolev, V.T.
Determination of neutron mean number on fission event of ^{252}Cf. (INIS-mf - 3896) 357875
Shchedrin, E.I.
Surface hardening of austenite steels. 378719
Shchedrin, I.S.
Small-sized electron linear accelerator in the 3-cm range for application in industry. (INIS-mf - 4194) 376351
Shcheglov, D.A.
Spectroscopic study on light element impurities in the Tokamak-6 plasma. (IAE - 2484) 348945
X-ray spectra and impurity concentration in the T-10 tokamak. (INIS-mf - 3963) 371751
Shcheglov, M.A.
1MV compact pulse transformer. (INIS-mf - 3954) 363218
Shcheglova, V.I.
Case for a manipulator. (Soviet patent document 445568/A/) 355025
Shchegol'kov, S.V.
Electrical properties of films of Er and Yb tellurides. 370066
Shchegolev, A.A.
1,4-shift of bromine during alkynes acylation with α-bromoacyliumtetrafluoroborates. 372970
Shchegolev, V.A.
The use of argon ions for production of nuclear filters. 374778
Shchegoleva, A.M.
Optical seal based on ceramics of lead zirconate-titanates doped with lanthanum. 370107
Shchegoleva, B.F.
Investigation of interaction of molten gallium-phosphorus stoichiometric alloy with container materials. 362211
Shchekin, K.I.
Determination of lead and zinc in polymetallic ores by x-ray radiometric method using incoherent scattered radiation. 351934
Optimum characteristics of a propotional counter for a detection of the cosmic X -ray radiation from 2 to 25 keV. 361062
Radiation loading effect on characteristics of proportional counters. 361097
Shchekochikhin, Yu.M.
Investigation of thermal transformation of lanthanum and neodymium hydroxides by IK-spectroscopy. 367082
Shchekoturova, E.K.
Coprecipitation of iodide, iodate and periodate ions with hydroxides. 359752
Shchelev, M.Ya.
Electron-optic methods with the use of plastic scintillators for studies in the x-ray region. 353530
Shchelev, S.A.
Basic trend of development of the JINR computer centre. 368486
Primary principles of the ES-5012 magnetic storage device use in the SDS-1604A computer. (JINR - 11-9188) 352829
Shchelikov, O.D.
Estimate of the self-diffusion coefficients for selenium and tellurium using viscosity data. 349468
Shchelkachev, A.V.
On an increase of total cross sections at high energy. 359316
Shchemelinin, S.G.
Scattering of electrons by inert gas atoms with ejection of one or two electrons from the outer shell. 348736
Shchepanskij, Ya.S.
Cooling and corrosion effect of working conditions on steel Kh18N10T cyclic strength with various grain sizes. 349372
Shchepelyakovskij, K.Z.
Properties of cast steels of low hardening capacity. 349529
Shchepin, Yu.P.
Industrial installation with an electron accelerator for sterilization in medicine. (INIS-mf - 4194) 376387
Shchepina, N.E.
On the possibility of producing tritium labelled phenyl-substituted onium derivatives of halogens by means of ion-molecular reactions. 354407
Preparation of tritiated phenyl-substituted onium derivatives of antimony, tellurium and iodine by means of ion-molecular reactions. 365029
Shchepkin, M.G.
Mesons consisting of gluons. 369300
Shchepkin, V.D.
Digital integrator for a pulsed nmr spectrometer. 358446
Pulsed variation of the temperature of the dipole-dipole interaction resevoir in double nuclear-nuclear resonance. 368875
Shchepkin, Yu.G.
Collimation of neutron beam in experiments on measuring of partial cross sections with isotope microamounts. (IAE - 2470) 350320
Production of mecanical vibrations of speciment by mass O.1-1 kg at a speed of 100-200 m/s. (IAE - 2626) 350321
Shcherbachenko, V.A.
The characteristics of photo-activation of light elements. (INDC(CCP) - 104/LN) 372848
On problem of optimization of instrumental activation analysis. 375247
Shcherbak, L.P.
Investigation into Ge behaviour in CdTe. 359986
Purification of tin labelled with ^{113}Sn from radioactive impurities of antimony. 359760
Shcherbak, N.G.
Investigation of substrates surface quality of gadolinium-gallium garnet monocrystals. 349413
Shcherbak, S.P.
Chromium coatings effect on mechanical properties of titanium. 349435
Shcherbak, V.I.
Kinetics of nucleation and growth of vacancy voids and dislocation loops in neutron irradiated steel-OKh16N15M3B. 373383
Shcherbakov, A.G.
Infrared spectrum of Vulpeculae Nova. 374962
Suppression of the low density plasma cyclotron instabilities by excited plasma oscillations. (INIS-mf - 3963) 372105
Shcherbakov, G.M.
Timing properties study of serial coaxial Ge(Li) detectors of large volume. 371078
Shcherbakov, G.V.
Measurement of an average momentum and composition of secondary particle beams from accelerators. 363281
Shcherbakov, I.A.
"Capture of excitation" effect in the system of interacting particles in a crystal. (INIS-mf - 3955) 361421
Experimental observation of "Excitation trapping" in a system of strongly interacting particles. 355945
Investigation of the nature of radiationless decay relaxation in condensed media with a high concentration of activator. 348860
Radiationless losses from sup(4)Fsub(3/2) metastable state of Nd^{3+} in lanthanum pentaphosphate crystals. (INIS-mf - 3955) 362166
Study of the effect of anomalously weak quenching of Nd^{3+} ion luminescence in Lasub(1-x) Ndsub(x) P_5O_{14} crystals. 374600
Shcherbakov, V.A.
Proton magnetic resonance spectra of beryllium nitrates solutions and state of Be^2 cations. 378393
The study of the solvation and complex formation of the actinides by the methods of NMR spectroscopy. 349333
Shcherbakov, V.K.
Hereditary changes in plants γ-irradiated at different ontogenesis stages. 370332
Response change in winter-wheat types to the pathogen complex under chronic gamma-irradiation. 349820
Virus infection of continuously irradiated potato plants. 362656
Shcherbakov, V.P.
A new highly efficient adsorbent for ultrahigh vacuum cryopumps. (KFTI - 76-21) 357393
On the problem of low-temperature air adsorption studies by the volume method. (KFTI - 75-10) 352383
Shcherbakov, Yu.A.
Elastic scattering of πsup(+-)mesons on ^3He in the energy interval (68/208(MeV). 361897
Elastic scattering of πsup(+-)mesons on ^4He in the energy interval (68/208)MeV. 369385
Hydrogen streamer chamber with localizing admixtures. (JINR-R - 13-9713) 368303
Localization of charged particle tracks in a self-shunting helium streamer chamber. 379868
New improvement in track localization in self-shunted helium

streamer chamber. 355527
Phase shift analysis of the elastic scattering of pions on ^{4}He. (JINR-R - 4-10598) 375202
Shcherbakova, E.V.
Magnetocrystalline anisotropy and jump-like magnetic reversal of Smsub(1-x)Prsub(x)Co_5 single crystals. 369934
Shcherbakova, E.Ya.
Stimulation of germination of conidium Aspergillus niger, a citric acid producer, under the action of mutagenic factors. 362650
Shcherbakova, L.G.
Preparation of solid solutions based on ZrO_2 and HfO_2 and study of the process of their crystallization. 369701
Shcherbakova, L.I.
Cobalt content and welding conditions effect on diffusion interaction of the VK hard alloys tungsten. 349500
Shcherbakova, L.L.
The study of the solvation and complex formation of the actinides by the methods of NMR spectroscopy. 349333
Shcherbakova, N.S.
On departed bubble sizes during their quasi-static growth on the heater. 349974
Shcherbik, L.K.
Distribution of praseodymium and neodymium ions in the system of cationite - diethylenetriaminepentaacetic acid solution in the interval of 6-140 deg C. 359689
Shcherbin, V.N.
(α, t) reactions on ^{45}Sc, ^{51}V and ^{59}Co nuclei at 27.2 MeV α-particle energy. 369511
The ^{47}Ti(d,p)^{48}Ti and ^{49}Ti(d,p)^{50}Ti reactions at 13.6 MeV deuteron energy. 375208
Study of the sub(27)Al(α, t)sup(28)Si reaction on 27,2 MeV α-particles. 377922
Shcherbina, E.V.
Investigation of peculiarities of injection of rare earth ions into crystals with garnet structure. (INIS-mf - 3955) 364931
Shcherbina, F.F.
Copolymerization of N-acetylallylamine with monomethyl maleinate under the effect of Co^{60} γ-radiation. 351633
Shcherbina, N.I.
Investigation into formation and reduction of phosphouranomolybdenum complex. 375667
Shcherbina, V.A.
Renormalized Feynman amplitudes for fields with fixed masses. 350492
Shcherbinin, B.
Co-operation of the CMEA member countries in the development of different reactor types, including certain aspects of their nuclear fuel cycle. 366143
Shcherbinin, Eh.V.
Some results of an experimental study on pressure velocity and flow density distributions in blanket model elements. (INIS-mf - 3954) 364172
Shcherbinin, O.N.
Fast ion production in a tokamak plasma in the lower hybrid heating experiments. (INIS-mf - 3963) 371867
Shcherbo, Yu.S.
Wide-range roentgenoradiometric analyzer of elements in media of complex chemical composition. 356965
Shcherbov, D.P.
Application of organic reagents for photometric determination of samarium, scandium and thorium from one weighed amount of mineral raw material. (INIS-mf - 4192) 375309
Colour and fluorescent reaction of scandium with 1,10-phenanthroline and tetrabromofluorescein. (INIS-mf - 4192) 375310
Luminescent analysis with use of inorganic crystallophosphors. 375356
Shcherbyna, I.P.
EPR of Mn^{2+} in semiconductor crystals of the $A^2B^4C_2^5$ type. 348760
Shcheredin, V.P.
Isotopic enrichment of cadmium in zone Melting and pulse electrotransfer. 362362
Shchetinskaya, O.M.
Production of sodium sulfatozirconate from baddeleyite concentrate. 375484
Shchukalov, I.B.
Angular distributions of γ-rays emitted in inelastic scattering of fast reactor neutrons on sup(114,116)Cd. 359473
Shchukin, L.I.
On the cross sections of conduction electrons scattering and on the effective charges of components in binary liquid metal alloys. 349494
Shchukin, V.P.
Activity of molybdenum-containing oxide catalysts in the reaction of ethane oxidation. 369646
Shchurov, O.A.
Design and physical principles of the finger-ring T-12 Tokamak with two axisymmetrical diverters. (ORNL-tr - 4530) 377355
Shea, M.A.
Study of travelling interplanetary phenomena 1977. 372113, 372117, 372141, 372159, 372188, 372190, 372192, 372196, 372208, 372221, 372242, 372249, 372260, 372266, 372269, 372275, 372296, 372299, 372306, 372310
A summary of significant solar-initiated events during STIP intervals I and II. 372266
Shea, W.H. Jr.
Improvement in visualization of hepatic lesions with upright views. 373672
Sheaff, P.C.
Outlook following 'somnolence syndrome' after prophylactic cranial irradiation. 379075
Sheaks, O.J.
Study of the reactivity effect of bubble collapse in molten liquid metal cooled reactors. (NUREG - 0286) 373847
Shearer, J.W.
Directions for possible upgrades of the Mirror Fusion Test Facility (MFTF). (UCRL - 80475) 377380
Shebanov, V.A.
Experimental limittion on probability of the Ksub(L)→eta(480)+γ decay. (ITEF - 3) 353765
Sheboldaev, S.B.
Study of the interaction between intermediate vanadium oxides and carbon. 369688
Sheckherd, J.W.
Evaluation of the Maine Yankee reactor beltline materials. (IAEA - 202) 376480
Shedova, E.N.
Application of resonance interferometry and holography for plasma diagnostics. 348906
Sheedy, P.F.
Retrospective comparison of radionuclide scans and computed tomography of the liver and pancreas. 352114
Sheela Rani, C.S.
Effects of a highly purified antiserum to FSH on testicular function in immature rats. 367643
Sheeley, N.R. Jr.
A comparison of He II 304 A and He I 10830 A spectroheliograms. 366703
Sheen, S.H.
Acoustic analysis of sodium boiling stability tests using THORS bundle 6A. (ANL-CT - 77-27) 360482
Acoustic analysis of TREAT LMFBR safety test R8. 352199
Acoustic measurements of the boiling stability tests on THORS sodium loop. (CONF-771023 - 22) 379806
Analysis on sodium boiling experiment in FFM bundle 3B, test 4. 352293
Sheenkov, V.A.
Cold rolling of hexagonal rods of VT16 alloy. 351699
Sheerin, J.P.
On the Schroedinger equation with exponential nonlinearity. 356158
Shefelbine, H.
Comparative study of waste processing. (SAND - 77-1178) 374418
Sheffer, E.K.
Emission variability of the Sco X-1 source on the observations of the Salyut-4 station. 364387
Equipment for measuring X-ray emission of extraterrestrial sources. 374294
Observations of Cygnus X-1 on the Salyut-4 space station. 374963
Observations of the Cir X-1 X-ray source on the salyut-4 space station. 361709
Observations of the Hercules X-1 x-ray source on the Salyut-2 station. 369089
Scorpius X-1 - observations from the "Salyut-4" station in January, 1975. 364386
Sheffield, J.
Empirical tokamak scaling. 371894
Sheffild, D.
Torsatron divertor and it's effect on impurities transport and accumulation. (INIS-mf - 3954) 361497
Sheftel', E.N.
Hydroextrusion influence on structure and some properties of niobium strengthened by dispersive carbide phase. 373267
Hydrostatic extrusion effect on plasticity of carbide-strengthened niobium alloys. 357327
Sheftel', S.I.
Scattering of electrons by inert gas atoms with ejection of one or two electrons from the outer shell. 348736
Shehata, M.T.
On the problem of whether excited states amongst sputtered particles are of thermal origin. 374716
Shei, S.S.
Failure of the U(12) algebra in QCD. (COO - 2220-96) 363838
Scalar quantum chromodynamics in two dimensions and parton model. (COO - 2220-106) 363839
Semiclassical approach to lattice theories. 369286
Shein, V.A.
Economic efficiency of geophysical methods for production control in the Anastasievsko-Troitskoe oil and gas field. 354675
Sheinberg, H.
Review of some past and present powder metallurgy programs at the Los Alamos Scientific Laboratory. (LA - 6862-MS) 351846
Shejk Krush, N.
On stage mechanism of hydrogen catalytic oxidation on rare earth oxides. 354351
Reactive forms of oxygen on surfaces of rare earth oxides in low-temperature reactions of catalytic oxidation. 369661
Specific features of formation of O_2^- anion radicals on surface of rare earth oxides. 349255
Shejkh-Zamanova, R.N.
Investigation of interaction in the Ga_2Te_3-Cu section of ternary Cu-Ga-Te system. 359649
Investigation of interaction in the ternary Cu-Ga-Te system. 359690
Shejko, I.V.
Nitrogen interaction with liquid metal during remelting of "consumable plasmatron". 365125

Shejndlin, A.E.
Use of MHD generators in nuclear power engineering. 364437
Shejndlin, M.A.
On the heat capacity of refractory metals near the melting point under rapid heating. 378669
Shejnin, B.I.
Techniques for calculation of heat transfer in membrane-blade radiators. 379433
Shejnkman, M.K.
Kinetic phenomena in polycrystalline films with residual conduction. 374737
Ni effect on photoelectric properties of CdS monocrystals. (INIS-mf – 3955) 362162
Some specific features of spectra of Auger excitation of photoluminescence and photocurrent in CdS compensated crystals. 368768
Sheka, E.F.
Determination of the density of phonon states in a naphthalene crystal based on incoherent neutron inelastic scattering. 366394
Inelastic incoherent neutron scattering spectra at different temperatures and computer experiment for external phonon modes of naphthalene crystals. 371568
Sheka, I.A.
Acid properties of zirconium and hafnium mandelates. 351512
Synthesis of vanadium trioxide. 349311
Shekhter, V.M.
Neutral currents in neutrino experiments. (JINR-D – 1,2-9342) 356524
Production of charmed particles in weak interactions with diagonal neutral currents. 377714
Weak interaction with neutral currents. 356523
Shekhtman, V.L.
Theory of antistokes sensitized luminescence. 361452
Shekhtman, Ya. L.
Action of an ionizing radiation and hydrodynamic effect on matrix properties of DNA during extracellular synthesis of RNA, and thiophosphate protection of matrix properties of T2-DNA against γ-radiation. 370322
Shekoyan, I.S.
Isomerization and reduction of 1-hexene-5-one in the presence of $RuCl_2(PPh_3)_3$ and $RhCl(PPh_3)_3$ complexes. 367126
Reduction of unsaturated ketones by 2-propanol catalysed by the $RhCl(PPh_3)_3$ and $RuCl_2(PPh_3)_3$ complexes. 375565
Sheksheev, Eh.M.
Time dependence of the yield of chromosome mutations and free radicals in γ-irradiated dry seeds. 370333
Shel'ting, B.D.
On nature of the magnetic field and velocity quasiperiodical oscillations in sunspot. 374964
Shelaev, I.A.
Isochronous cyclotrons. Multicharged ion accelerators. (JINR-R – 9-9341) 350087
Semiautomatic system for measuring the magnetic field of an isochronous cyclotron. (JINR – 9-9545) 367963
Shelby, J.E.
Molecular diffusion and solubility of hydrogen isotopes in vitreous silica. 351562
Sheldon, E.
Cross sections, angular distributions, and magnetic substate populations in the $^{23}Na(n,n'\gamma)$ reaction. 364764
Sheldon, P.W.
Radioprotection by pentobarbitone sodium of a murine tumour in vivo. 365397
Shelenkov, G.M.
Specific features of weld formation in arc welding of titanium using electromagnetic stirring. 369876
Shelesnova, V.I.
Delayed effects of external β-irradiation of rats at low doses. 370359
The role of age in the remote after-effects for rats externally irradiated with β particles. 379031
Shelest, L.N.
Thermophysical features of aluminothermal preparation of strontium. (INIS-mf – 4187) 375567
Shelimov, B.N.
Isotope exchange kinetics under conditions of diffusion hindrance. 378398
Low-temperature deuterium – hydrogen exchange at irradiated silica gels containing transition element ions. 373095
On mechanism of low-temperature photoinduced deuterium-hydrogen exchange on silica gel promoted by transition element ions. 365128
Shelimova, L.E.
Anisotropy of electric properties of α-GeTe. 374732
Phase transformations in quenched germanium telluride. 375844
Thermal expansion of germanium telluride. 375869
Sheline, R.K.
Shell structure in deformed nuclei. 377936
Shelke, D.N.
Mixed ligand chelates of UO_2^{2+} and VO^{2+} with catechol as primary ligand and succinic, adipic itaconic, phthalic, 3,5-dinitrosalicylic and 5-sulphosalicylic acids as secondary ligands. 349210
Shelkov, E.M.
Nuclear hybrid plant with laser fusion reactor. (INIS-mf – 3963) 353556
Shelkov, G.A.
High-voltage system for the RISK facility. (JINR-R – 13-9740) 376662
Shelkovenko, A.Eh.
Method of chronokinemetrical invariants. 358689
Shelkovnikov, V.N.
Magnetic aftereffect in Sm-Co and Gd-Co films. 348844
Shelley, E.G.
Observation of an ionospheric acceleration mechanism producing energetic (keV) ions primarily normal to the geomagnetic field direction. 360209
Observations of ions of ionospheric origin in the storm-time ring current. 373460
Shelobodkin, V.A.
On welding strains in a large-sized ring of austenite steel. 375790
Shelton, R.N.
Coexistence of superconductivity and long-range antiferromagnetic order in the compound Ersub(x)Mo_6Se_8. 357305
Compressibilities and volume dependence of Tsub(c) for eleven Chevrel phase superconductors. 375908
LaAg under hydrostatic pressure: superconductivity and phase transformation. 359980
Phase transition in the superconducting state in Gd-rich pseudoternary compounds (Lasub(1-x)Gdsub(x))sub(1.0)Mo_6Se_8. 357304
Pressure dependence of T/sub c/ for the shear-stress-induced tetragonal phase of V_3Si. 364455
Structural transformation in some Chevrel phase compounds: $ZnMo_3S_6$, $ZnMo_3Se_6$, and $Cu_{0.7}Mo_3Se_4$. 360046
Superconducting transition temperature, its pressure dependence and structural transformation in (La,Ce) Ru_2 alloys. 357328
Shelton, W.N.
Angular correlation parameters for 1s-2p excitation of hydrogen calculated in the distorted-wave approximation. 358718
Electron-impact excitation of the 2p state of atomic hydrogen in the distorted-wave approximation – Angular parameters. 353358
Triple-differential cross sections for electron-impact ionization of helium. 350647
Sheludko, N.A.
Some specific features of magnetic and electric properties arising on variation of the Fermi surface topology in terbium-yttrium alloys. 374671
Shelyakin, L.B.
Some specific features of the formation of monocrystal surface structure due to ion bombardment. 349601
Shemansky, D.E.
Ultraviolet spectrometer experiment for the Voyager mission. 374884
Shemarov, F.V.
Pilot-industrial production of radiation-modified thermal-shrinkaged "Termoplen" film. (INIS-mf – 4194) 376283
Using accelerated electrons for modification of polyethylene film surfaces by the radiation grafting technique. (INIS-mf – 4194) 376288
Shemelin, N.P.
Operation experience of the industrial high-voltage "Electron" type accelerators and prospects for their modification. (INIS-mf – 4194) 376347
Shemeneva, A.L.
Diffusion annealing effect on structure and properties of nickel coating on copper alloy. (INIS-mf – 4046) 369979
Shen, B.
Further evidence for production of electrons with small transverse momenta in pp collisions. 377784
Shen, K.
Parathyroid adenoma imaged by Ga-67 citrate scintigraphy: case report. 373640
Shen, S.S.
Superconductors for tokamak poloidal field coils. (CONF-770801 – 17) 359012
Shen, S.Y.
Surface tension and surface entropy of superfluid ^4He. 359194
Shen, W.-C.
Detection by radioimmunoassay of nicotinamide nucleotide analogues in tissues of rabbits injected with nicotine and cotinine. 360402
Shen, Y.R.
Molecular beam studies on multiphoton dissociation of polyatomic molecules. (LBL – 6275) 358748
Second-order sum- and difference-frequency generation via quadrupole transitions in atomic vapors. (LBL – 6918) 366324
Shen, Zh.
Investigation into hydrogen diffusion in the armco-iron in the 0-300 deg C temperature range and influence of extensive stresses. 370042
Shenberg, C.
Evaluation of the multielement content in aerosol samples and their sources in Israel's urban environs by radioisotope excited XRF analysis. (IA – 1338) 364849
Shendrik, A.V.
EPR-spectroscopic investigation of the valent state of Ti and Mn ions in the glass phase of 22KhS ceramics. 357364
Shendrik, T.V.
Analytical formulae for atomic collision cross-sections in Born approximation. (INIS-mf – 3915) 348684
Shenfel'd, A.Ya.
Application of molybdenum-rhenium MR47-VP alloy braces and suspenders for precise dynamometric and mass-measuring devices. 365183
Shenfel'd, Ya.Eh.
Application of molybdenum-rhenium MR47-VP alloy braces and suspenders for precise dynamometric and mass-measuring devices. 365183
Shenk, D.S.
Superfluid-vortex thresholds and the vortex-core parameter near

T/sub lambda/170 Physics Department, University of Delaware, Newark, Delaware 19711. 351123
Shenk, Y.
A computer program for risks evaluation calculations for nuclear power plants. (INIS-mf – 4052) 373835
Shenkman, Eh.Z.
Design criteria for high-voltage power supplies of an ion-optical system of ion sources. (INIS-mf – 3954) 361646
Shennan, J.V.
Nuclear fuel coated particle development in the reactor fuel element laboratories of the U.K. Atomic Energy Authority. 365903
Shenoy, B.V.
Effect of carbon tetrachloride on glycogen metabolism in fasted and refed mice. 373684
Shenoy, G.K.
Moessbauer study of Er^{3+} in ErH_3 and YH_3. 366376
Shenoy, S.R.
Breakdown of the Gimzburg-Landau approximation in superconductor fluctuation theory. 366811
Zero-point motion and superfluid helium. 366812
Shentyakov, V.V.
Thermodynamic and X-ray studies into reaction of chlorides of alkali metals, thalium and beryllium. (INIS-mf – 4193) 375615
Sheorey, V.B.
Chebyshev expansions for atomic scattering wave functions. 368701
Shepard, A.T.
Chromatographic determination of the relative retention of isotopic species of oxygen in methanol and methan-d^3-ol. 357048
Shepard, J.R.
Inelastic scattering to high lying O^+ levels in $^{16}O^-$. (TID – 27909) 378055
Nuclear data sheets for A = 148. 351362
Proton pickup from ^{27}Al via the (n,d) reaction at 56.3 MeV. 354161
Shepard, P.F.
Direct measurement of the π^- form factor. 372514
A measurement of the electromagnetic size of the pion from direct elastic pion scattering data at 50 GeV/c. 353922
Shepel'kov, S.V.
Thermal stab lity of hexachloro- and hexabromotechnetates of ammonium. 378431
Shepelev, Yu.P.
Impulsive electrolysis of zirconium-containing chloride-fluoride melt with bismuth cathode and soluble zirconium anode. (INIS-mf – 4189) 375457
Pulsed electrodeposition of zirconium on liquid bismuth. 375765
Shephard, W.D.
A study of inclusive Ξ^- production from K^-p interactions at 4.2 GeV/c. 353964
Shepherd, D.E.
Mathematics and Statistics Research Department progress report for period ending June 30, 1977. (ORNL/CSD – 27) 358598
Shepherd, I.W.
Dose effects in the crosslinking of irradiated polysiloxane. 365052
Effects of γ-irradiation on chemically crosslinked poly(dimethyl siloxane). 354417
Shepherd, L.R.
Concluding remarks. 379705
Sheppard, J.D.
Apparatus for monitoring two-phase flow. (US patent document 4,009,614/A/) 358235
Sheppard, M.
The design, development and commissioning of the AGR insulation. 352682
Sher, E.S.
Dynamical transformations of cylindrical magnetic domains during translation motion. 363963
Sher, R.
Monte Carlo calculations of cadmium cutoff energies and an ansatz formula. 352794
Sherban, D.A.
Investigation of luminescence in ZnSe-CdTe and ZnSe-ZnTe heterojunctions. 371600
Sherbedzhija, B.
Reliability of copper based alloys for electric resistance spot welding. 378651
Sherby, O.D.
Development of the materials code, MATMOD (constitutive equations for Zircaloy). Final report. (EPRI-NP – 567) 379642
Flow stress, subgrain size, and subgrain stability at elevated temperature. 357329
Microstructural correlation between the mechanical behavior of large volume fraction particulate composites at low and high temperatures. 357367
Sheredeko, A.P.
Radiation-stimulated self-diffusion of nickel. (KFTI – 74-47) 353505
Sherer, D.L.
Development of vertical dispersion coefficients for rolling terrain environments. (COO – 4026-5) 357547
Shereshevskij, A.M.
The prospects of rhenium application in mass spectroscopy. 349530
Shereshkov, V.S.
An adsorption method for BR-5 primary cover gas decontamination from radioactive xenon. (IWGFR – 7) 361006
BR-5 primary circuit decontamination. (IWGFR – 7) 360973
Sheretov, Eh.P.
Control unit for a three-dimensional quadrupole mass spectrometer with mass spectra unfolding by frequency variation. 358447
Sorting theory of charged particles in quadrupole mass spectrometers. 350374
Shergin, A.P.
Fluorescence yield decrease for inner vacancies produced in close atomic collisions. 358694, 376958
KK-LLL three-electron Auger transitions. 376957
Two-electron-one-photon transitions in ions with two $L_{2,3}$-vacancies. 376956
Sheridan, J.
The microwave spectrum of bromoacetylene; rsub(s)-structure, dipole moment, quadrupole coupling constants and excited vibration states. 353276
Sheridan, J.R.
Deactivation of $N_2^+A^2PIsub(\mu)$ at keV energies. 353359
Sherif, A.Kh.
Low-temperature mechanical press for Moessbauer effect study. 371182
Shering, G.
Operational experience with the SPS computer control system. 363153
Sherman, C.
Particle-in-cell vs straight line Gaussian calculations for an area of complex topography. (UCRL – 79236) 362608
Sherman, F.B.
Study of the state of water in Y type zeolites. 354340
Sherman, I.S.
Considerations in measuring trace radionuclides in soil samples by L x-ray detection. (CONF-771023 – 20) 378877
Sherman, N.K.
Photoneutron cross sections in ^7Li. 356759
Sherman, S.G.
Two-photon positron-K-electron annihilation. 355879
Sherman, V.E.
Processes involving fermion exchange in non-Abelian gauge theories. 376904
Shermanzon, Eh.M.
A study of twice-albedo electrons in the atmosphere. 357532
Sherov, R.
Behaviour of trace elements in case of complex doping of. 378729
Sherr, D.
Ontogeny of B lymphocyte function. IV. Kinetics of maturation of B lymphocytes from fetal and neonatal mice when transferred into adult irradiated hosts. 373545
Sherr, R.
Charge-dependent and A-dependent effects in isotope shifts of Coulomb displacement energies. 364718
Sherrill, W.M.
Directional dispersion of sporadic-E modes between 9 and 14 MHz. 367442
Sherrington, G.H.
Some aspects of natural gamma radiation in ore search. 373424
Sherry, E.G.
The structure of $K_2Er(NO_3)_5$. 375568
Sherry, R.J.
Automated sample-processing and titration system for determining uranium in nuclear materials. (UCRL – 52351) 380122
Sherry, R.R.
Cladding failure in TREAT overpower experiments: a mechanistic interpretation and its implications for LMFBR safety analysis. (CONF-761001 – P4) 362853
Sherry, T.N.
Indefinite-metric fields and the renormalization group. 363840
Shershov, Yu.N.
Some problems on a local shield calculation of technological installations with electron accelerators. (INIS-mf – 4194) 376362
Sherstkov, Yu.A.
Discrete saturation in EPR of $Pb_5Ge_3O_{11}:Gd^{3+}$. 353425
EPR investigation of ferroelectric phase transformation in lead germanate activated with trivalent gadolinium. (INIS-mf – 3955) 377286
Pulsed saturation in EPR of crystals activated by gadolinium. (INIS-mf – 3955) 378278
Sherwin, A.G.
Fission detectors as secondary standards for the measurement of fast neutron fluence. 363583
Sherwood, A.R.
Fast liner proposal. (LA – 6707-P) 361625
Sherwood, G.G.
GE tackles the nuclear island. 352641
Sherwood, R.C.
Magnetic properties and hydrogen absorption in rare-earth intermetallics of the type RMn_2 and R_6Mn_{23}. 367234
Shestak, B.
Observation of the suppression of a nuclear reaction in a direct γ = quantum beam. 368879
Shestakov, A.I.
Thermochemical treatment of boron carbide. 375803, 375934
Shestakov, V.A.
Critical neutron scattering in invar iron-nickel alloys. 368844
Magnetic inhomogeneities in invar iron-nickel alloys. 370002
Shestakov, V.V.
High-energy muon production in atmosphere. 365333
Well-logging rig for photoneutron exploration of blast-holes and boreholes. 376016
Shestakova, T.V.
Study into kinetics and mechanism of formation of carbonitrides by carbothermal reduction of subgroup 4-a metal oxides. (INIS-mf – 3248) 369667
Shesterin, Yu.A.
On the stability of heat-resistant oxygen-free compounds in low-temperature plazma. 357346

Wetting of plasma coatings with liquid aluminium. 369892
Shestermanov, K.E.
Observation of muon pairs in neutrino interactions at Serpukhov 70 GeV accelerator. 361870
Shesterova, I.P.
Extraction-photometric determination of niobium in form of complex with pyrocatechol and dimedrol. 364921
Extraction-photometric determination of some metals in the form of different-ligand complexes. (INIS-mf - 4192) 375357
Shestidesyatnaya, N.L.
Extraction of some metals in the form of different-ligand complexes with organic electronegative ligands and diphenyl guanidine. (INIS-mf - 4192) 375358
Mixed ligand complexes of zinc, cadmium and mercury and their analytical using. (INIS-mf - 4191) 375569
Shestopalov, I.P.
Study of coronal and interplanetary propagation of solar particles following the E45 deg solar flare on July 29, 1973. (KFKI - 77-39) 356243
Shestopalov, V.P.
Kinetic theory of a resonance radiation of a magnetic plasma from an open periodic waveguide. 350853
Shestopalova, S.A.
On existence of some lines in gamma spectrum of sup(172)Lu. 359441
Sheth, A.
Thermophysical properties of liquid uranium carbide. 378766
Sheth, A.R.
Use of radioisotopes ^{125}I in the study of serum LH levels in cycling buffaloes and its rate of release in buffaloes stimulated with Gn-RH administration. 352104
Shetty, S.Y.
Use of an ion sensitive electrode in the study of the mixed ligand chelates of Th(IV) with aminopolycarboxylic acids and fluoride ions. 357117
Shetulov, D.I.
On the development of plastic deformations under low-cycle biaxial tension. 378716
Shevchenko, A.L.
Optimization of the thermal scheme of a power plant with a non-equilibrium MHD generator and a "Tokamak" type reactor. (INIS-mf - 3954) 361756
Shevchenko, A.V.
Production of directional fluxes of slow positrons using an elliptical electrostatic reflector. (INIS-mf - 3915) 350349
Shevchenko, L.I.
Controlling the grain size in hot deformed pipes of stable austenite steel. 349488
Shevchenko, L.V.
Determination of Pb, Sb, Tl and In ultramicroimpurities in natural waters by inversion voltammetry using concentration with coprecipitation. (INIS-mf - 4188) 375359
Shevchenko, S.V.
Radiation hardening of Ni, V, Fe and their alloys following high-energy electron irradiation. (KFTI - 75-35) 354631
Shevchenko, V.A.
Effect of doses and types of irradiation on mutation frequency in Chlorella; mutation maximum effect. 349721
Shevchenko, V.B.
Basic problems in reprocessing spent fuel elements of nuclear power plants. 366159
Basic problems of fast-reactor fuel recovery. 367193
Problems in using Purex-process for fast reactor fuel reprocessing. (IAEA-AG - 63-18) 362345
Shevchenko, V.G.
Observation of muon pairs in neutrino interactions at Serpukhov 70 GeV accelerator. 361870
Shevchenko, V.I.
Positron annihilation in hydrides of transition metals. 371583
Relaxation of high-current electron beams and modulation instability. 368945
Shevchenko, V.S.
Flare of the T Tauri. 364353
Light curve of the PSR 0531 pulsar. 377625
Shevchenko, V.V.
Power zone control of a nuclear power reactor. 350172
Shevchenko, Yu.A.
Investigation into iron moessbauer atom state in a deformed iron-manganese alloys. 370003
Shevchik, Ya.Eh.
Investigation into the Cs_2O-P_2O_5-H_2O and Cs_2O-P_2O_5-D_2O systems in the field of crystallization of monosubstituted cesium orthophosphate at 25 and 50 deg C. 375544
Shevchuk, B.A.
Critical angles for the magnetic field cusped geometry. (KFTI - 75-19) 377467
Shevchuk, I.A.
Extraction-photometric method of rhenium determination as sulfite complexes. 356972
Shevchuk, P.I.
Roentgenographic and x-ray-spectral study of lanthanum digermanide. 357284
Shevchuk, V.G.
Critical conditions for ignition of boron particle suspension in gas. 349317
LiCl(NaCl)-$CeCl_3$-H_2O systems at 25 deg C. 375595
Shevel'ko, V.P.
Plasma natural oscillation effect on the frequency of inelastic atom-charged-particle collisions. (INIS-mf - 3915) 348742
Shevelev, G.A.
Distribution of paramagnetic centers and implanted atoms produced in silicon by ^{235}U fission fragments. (INIS-mf - 3996) 364023
Shevelev, G.E.
Measurement of electric potential distribution in dielectrics. 376740
Shevelev, S.V.
Production of directional fluxes of slow positrons using an elliptical electrostatic reflector. (INIS-mf - 3915) 350349
Shevelev, Ya.V.
On the neutron value problem for a research reactor. (IAE - 2590) 350408
Shevelina, I.I.
Formazanes as analytical reagents. 378150
Shevelko, V.P.
Density-dependent lines of one- and two-electron ions in diagnostics of laboratory plasma. I. 366623
Shevelya, V.V.
Active liquid media effect on the structural -stress state of metals during fatigue. 378730
Microyield and nature of physical fatigue strength of b.c.c. metals. 349531
Sheverdina, N.I.
Gamma-induced reactions of organic tin hydrides with unsaturated compounds. 359792
Tin interaction with organic chlorides in ionizing radiation field. 349355
Shevohenko, N.A.
Study of cesium adsorption on molybdenum and tungsten. 350826
Shevstusev, A.P.
On diagnostic techniques for optically non-transparent superdense plasma. (KFTI - 75-19) 377410
Shevtsova, N.A.
Motion of test particles in the Kerr space. 369197
Shevyakov, A.M.
Hafnito-niobates of rare earths and cadmium. 378262
Phase equilibria in the $Cd_2Nb_2O_7$-$Yb_2Ti_2O_7$ system. 359601
Shi, Y.-C.
Anisotropic N.M.R. spectra and the crystalline state of solid H_2. 356056
Shiba, Masayoshi
Analysis of LOFT (L1-2) experiment by code RELAP-4J. (JAERI-M - 7037) 355009
An experimental study on PWR-LOCA by ROSA-II, (2). 360920
Shibaev, V.D.
Diffraction measurements by the time-of-flight method using a variable channel width. (JINR - 10-9683) 377157
Input device for the DIN-1M spectrometer. (JINR - 10-9154) 352828
Shibanov, B.S.
Interaction of steel, titanium and zirconium with melted chlorides containing copper and zinc. 349510
Shibata, E.I.
Measurement of phi production in proton-nucleus collisions at 400 GeV/c. 366877
New limits on $D^0(1.865)$ production in proton-nucleus collisions at 400 GeV/c. 361882
Shibata, Heki
A study on automatic diagnosis of abnormality in nuclear reactor systems. 360767
Shibata, K.
Radiation of electrostatic plasma waves near the lower hybrid frequency. 350913
Shibata, Keiko
Effect of abdominal irradiation in intestinal sugar transport. 379017
Shibata, S.
Beam profile measurements for KEK 12 GeV proton synchrotron. 363265
KEK beam position monitor system. 363344
Simple Q-measurement of KEK proton synchrotron. 363304
Shibata, Shozo
Analysis of rare earth element by electron-ray excited emission spectrometry. 359571
Shibata, T.
Grain ejection from the surface of polycystalline molybdenum irradiated by intense H^+ and H_2^+ ion beams. 357426
Reduction of power loss due to heavy impurities in Diva. (INIS-mf - 3963) 372098
Thermal neutron standard field with a Maxwellian distribution using the KUR heavy water facility. 379384
Shibata, Toru
Study of shower phenomena in the atmosphere, 1. 353711
Study of shower phenomena in the atmosphere, 2. 359161
Study of shower phenomena in the atmosphere, 3. 359162
Shibata, Toshikazu
Safety and interlock system of Kyoto University Critical Assembly. (KURRI-TR - 150) 368254
Shibato, E.
Inelastic thermal transient analysis of tubesheets. (IWGFR - 11) 355477
Shibato, Eizo
Manufacture and installation experience of pressure vessel for the prototype heavy water moderated boiling light water-cooled reactor 'Fugen'. 368191
Mock-up of pressure tube monitoring apparatus for the prototype heavy water moderated boiling light water cooled reactor 'Fugen'. 368188
Shibazaki, Kiyoto
Observation of corona with radio-heliograph. 359171

Shibuya, Iwao
Unfolding of neutron critical scatterings. (KURRI-TR – 149) 354008
Shibuya, N.
Moessbauer spectroscopic studies on the effective ranges of ^{119}Sn resonantly scattered electrons in SnO_2, $CaSnO_3$, and $BaSnO_3$. 348781
Shida, Toichi
Recirculating flow-rate control system in an atomic power plant. 350186
Shida, Y.
Study of the side band in ^{188}Pt. 369498
Shida, Yoshiaki
Development of steel tubes for steam generator of fast breeder reactor. 349557
The effect of carbides on the decarburization behavior of 2.25 Cr-1 Mo steel in high temperature sodium. 367272
Shidlovskaya, Eh.A.
Nondestructive testing of mechanical properties of steels for deep swaging. 375861
Shield, R.A.
Renography and diuretic techniques in equivocal pelviureteric junction obstruction. (INIS-mf – 4010) 357699
Shields, R.A.
Right ventricular involvement in myocardial infarction demonstrated by high frequency radionuclide cardiography. (INIS-mf – 4010) 370511
Shields, S.E.
Measurement of fountain pressure and other thermal properties in superfluid ^3He. 351131
Measurements of the fountain pressure and other thermal properties in superfluid ^3He. 372343
Shiels, S.A.
Topographical, microstructural and chemical effects of simulated high heat flux on the corrosion of Type 316 stainless steel in flowing sodium. 354461
Shiembob, L.T.
Development of a plasma-sprayed ceramic gas path seal for high pressure turbine applications. Final report, 2 Oct 1975 – Dec 1976. (N – 77-25534) 370104
Shiflett, D.R.
Outage planning and management: a supplier-contractor's challenge. 358146
Shifman, M.A.
Naive quark model and deep inelastic scattering. 359303
Nonleptonic decays of K mesons and hyperons. 375050
On the $K^+ \rightarrow \pi^+e^+e^-$ decay. (ITEP – 98) 349075
Strong-interaction effects on the K/sub L/ $\rightarrow 2\mu$ decay and K/sub L/-K/sub S/ mass difference. A reply. 351186
Widths of narrow mesons made from heavy quarks. 364493
Shifrin, A.V.
Equipment for measuring X-ray emission of extraterrestrial sources. 374294
Shifrin, E.I.
Short-time creep of the 38KhN3MFA steel and VT14 the alloy at high temperatures. 370023
Shifrin, I.G.
Biochemical modification of derma collagen in the presence of water. 349711
Shifrin, V.M.
Investigation into hydrogen distribution between metal and slag in electric smelting of stainless steel. 375791
Shiga, F.
Vacuum ultraviolet luminescence-excitation spectra of $RPO_4:Eu^{3+}$ (R = Y, La, Gd and Lu). 353316
Shiga, K.
Management of plutonium-contaminated wastes at the plutonium fuel facilities in PNC. 358463
Shiga, Kenichiro
Analysis of plutonium MUF. (PNCT – 831-76-01) 380139
Incineration of alpha bearing wastes, (1). (PNCT – 831-76-01) 380021
Shigematsu, A.
Macroautoradiographic study of the distribution and excretion of ^{14}C-pentobarbitone in rats pretreated with phenobarbitone. 360386
Shigemitsu, J.
Comparison of recent massive muon pair data with the asymptotically free parton model. 364520
Estimates for W^{+-}, Z^0 and μ-pair production in the asymptotically-free parton model. 356438
Shigemoto, Kazuyasu
Unity of weak, electromagnetic and strong interactions in superconductivity model. 353900
Shigeta, Chiharu
The transformation of human peripheral mononuclear cells in diffusion chamber cultures. 373490
Shigetomi, Fumitsugu
Intermediate fossil fueled units for variable pressure operation. 368033
Shigin, V.A.
Cross section of ^{244}Pu fast fission. 375175
Shigonova, O.P.
Plastic deformation effect on the structure and fracture character of molybdenum. 378749
Shigorina, I.I.
Fluorolon coatings of cold drying for radiation-protective equipment. 349576
Shih, A.
Chemisorption and decomposition of nitric oxide on ruthenium. 369972
Shih, H.H.
Fluid flow measuring device. (German (F.R.) patent document 2619727/A/) 355628
Shih, L.L.L.
Decay of mass-separated ^{122}Ag to levels in ^{122}Cd. (IS-T – 795) 378058
Shiho, M.
Formation of a light-impurity-free plasma in DIVA. 374846
Reduction of power loss due to heavy impurities in Diva. (INIS-mf – 3963) 372098
Shiho, Makoto
Intensity calibration of a vacuum monochromator in a wavelength region of 1000-2000A and spectroscopic measurement in DIVA. (JAERI-M – 7217) 366635
Shiina, S.
Sector experiment of theta-pinch plasma in modified bumpy torus. (INIS-mf – 3963) 371977
Shiino, K.
Automatic Lig-N_2 supplier for vacuum trap. (INS-TH – 115) 379991
Control circuits for the 1.3 GeV electron synchrotron, (1). (INS-TH – 112) 360732
Shijo, Yoshio
The analytical application of oleophilic quaternary ammonium salts, 10. 354376
Shik, A.Ya.
Kinetic phenomena in polycrystalline films with residual conduction. 374737
Shikama, T.
The interaction between interstitial impurities and substitutional solutes in vanadium. 362456
Shikanov, A.S.
Generation of the 3/2ωsub(o) harmonic of the neodymium laser radiation on heating of spherical targets. 377337
Investigation of compression of hollow microspheres irradiated by a laser. 348878
Observation of fast ions in laser-produced plasma. 369011
Shikhlyarov, K.K.
Wide gap spark chamber with mylar walls. 379907
Shikhman, A.S.
The adjustment of the energy cutoff level in radiometric instrumentation. 354637
Shikhodyrov, V.V.
Study in the allergic activity of plant radiotoxins intracutaneously injected into irradiated animals. 360260
Shikhov, S.B.
Analytical method for calculation of "large" reactors in a multigroup diffusion approximation. (NIIAR-P – 256) 352450
Shikin, V.B.
On cyclotron resonance of surface electrons in liquid heluim. 369259
On the collective excitation spectrum of the electron Wigner crystal on the surface of liquid helium. 375007
Shikita, Mikio
Increase of survival of x-irradiated mice by postirradiation injections of a splenic extract prepared from vaccine or endotoxin-treated syngenic animals. 349755
Shil'g, G.
A study of nuclear power stations equipped with gas-cooled reactors. 379726
Shil'shtejn, S.Sh.
Ordering domain in vanadium deuteride. 358870
Study of domain structure of ferromagnets by small angle neutron scattering. 361472
Technique for neutron beam intensity modulation. (Soviet patent document 444498/A/) 375080
Shildin, A.I.
Individual sampler for nuclides. (Soviet patent document 421964/A/) 356949
Shilin, Yu.N.
Automatic small angle X-ray diffractometer. (Soviet patent document 415560/A/) 355108
Shilkin, S.P.
NMR investigation of amine complexes of aluminium borohydride. 359586
Shill, J.
Extraction system of the Nevis Synchrocyclotron. 363209
Shillinger, I.
Cod. 367679
Shillinger, Y.I.
Potatoes. 367680
Shillinger, Yu.I.
The effect of storage and culinary treatment of irradiated potato on the cytogenetic activity of extracts obtained therefrom. 354912
Shilov, A.L.
Hydride phases in the La-Ni-H system. 349407
Shilov, V.M.
Description of particle inelastic scattering on deformed nuclei. (JINR-R – 4-10742) 375097
Shilov, V.P.
Application of pulsed radiolysis method for investigation of americium (4) properties in aqueous solutions. 359799
Formation of tissue doses of ^{90}Sr and ^{137}Cs orally administered to calves and hens. 370412
Kinetics of neptunium(6) reduction by acetoxime in perchloric acid medium. 351624
Kinetics of neptunium(7) reduction by chloride ions in nitric acid solution. 351625
Neptunium (7) behaviour in media near to neutral ones. 357118
On the behaviour of neptunium (7) in carbonate solutions. 351623

Oxidation of neptunium(6) by ozone in media near to neutral ones. 357119
Radiation chemical oxidation of americium (3) in weakly acid medium. 351618
Shilova, L.K.
Phase analysis of tungsten ores. 356954
Shilyaev, B.A.
The calculation of energy spectra of primary knock-on atoms at the proton elastic scattering by the nuclei of different elements. (KFTI - 76-45) 377287
Shim, S.C.
Studies on the phototoxicity of coumarin derivatives. 367462
Shima, Shiro
Induction effects of advanced thermal reactor. 349994
Shima, Y.
Pair correlation in a two-component plasma. (IA - 1338) 364268
Shimada, H.
Thermal tests on a spent fuel shipping cask. 350001
Shimada, Masateru
Plasma heating by ion-cyclotron parametric instability. 359015
Shimada, Masayuki
Swelling of type 304 stainless steel bombarded with 200 keV C^+ ions. 349602
Shimamura, I.
A new R-matrix method for electron molecule collisions. 358717
Shimamura, Isao
An R-matrix method leading to continuous logarithmic derivatives. 368702
Shimamura, Kyoko
Quantitative determination of benzo[a]pyrene in foodstuffs using benzo[a]pyrene[G-^{3}H]. 378144
Shimamura, T.
Isotopic ratios of potassium in magnetic spherules from deep-sea sediments. 360166
Shimane, Ch.
Neutron radiography in the beam of the IBR-30 reactor. (JINR-R - 3-9122) 366914
Shimane, K.J.
Cladding failure in TREAT overpower experiments: a mechanistic interpretation and its implications for LMFBR safety analysis. (CONF-761001 - P4) 362853
Shimanskaya, N.M.
Effect of purity and alloying with transition elements on superconductivity of vanadium, niobium or vanadium-niobium alloys. 351808
Specific electrical resistance and parameters of electron-phonon interaction of vanadium-niobium-tantalum superconducting alloys. 351807
Shimanskaya, N.S.
Interactions of multiple-charge nuclei of galactic cosmic radiation with emulsion nuclei. 361707
Shimanskij, A.A.
Delayed neutron spectrometer characteristics. (FEI - 683) 350315
Shimanskij, A.M.
Automated system based on the universal computer for experimental data collecting and processing. (NIIAR-P - 236) 358039
Shimanskij, B.P.
Effect of purity and alloying with transition elements on superconductivity of vanadium, niobium or vanadium-niobium alloys. 351808
Shimchak, G.
Magnetic intermediate state in dysprosium orthoferrite. 361451
Shimchak, R.
Magnetic intermediate state in dysprosium orthoferrite. 361451
Shimiya, Yasuo
Device for inspecting abnormalities of a reactor. 368056
Pressure vessel for a reactor. 360893
Shimizu, A.
Cascade cyclotron magnet. 363264
Shimizu, Hideki
Developmental changes of ribosomes in content and amino acid incorporating activities in the female pupae of Bombyx mori. 349873
Shimizu, Kazuo
Problems in measurement of electron energy distribution in space plasma with a probe. 368269
Shimizu, M.
Ultraviolet absorbers in the Venus clouds. 369198
Volatiles in the cometary nuclei. 366756
Shimizu, R.
Computer simulation of sputtering. 368876
Formation of altered layer on the sputtered surfaces of Cu-Ni alloy at liquid nitrogen temperature. 368819
Simultaneous measurements of photon and ion emissions from ion bombarded Al in an oxygen atmosphere. 356057
Study of preferential sputtering in coevaporated Cu-Ni samples at low temperature. 368792
Thickness and in-depth composition profile of altered layer caused on Cu-Ni alloy surface due to preferential sputtering. 377279
Shimizu, Saburo
Operation report on the low temperature fissiochemical loop (LTFL), 7. (JAERI-M - 7246) 379840
Shimizu, Shigeki
Creep properties of Hastelloy X and their application to structural design. 349481
Fundamental studies on electron beam welding of heat-resistant superalloys for nuclear plants, (2). 359863
High temperature low-cycle fatigue strength of Hastelloy X. 354560
Some considerations on electron beam welding of heat-resistant superalloys for nuclear plants. 359885
Some considerations on the high temperature low cycle fatigue criteria for VHTR. 350102
Studies on the welding of heavy-section ASTM A542 Cl. 1 steel for large-sized pressure vessels. 373152
Shimizu, Shin-ichi
Effects of gamma-ray irradiation on rabbit lens. 360263
Shimizu, T.
Inelastic thermal transient analysis of tubesheets. (IWGFR - 11) 355477
Shimizu, Tsukasa
Time variation of internal plasma parameters in microwave-pulse-excited He-Kr^+ ion laser. 353572
Shimkevich, A.L.
Electrophysical properties of solid oxygen-ionic electrolytes. (FEI - 750) 369599
Shimojima, H.
Behaviour of fission products in sodium loops. 370821
Fission products deposition in a stainless steel sodium system. (IWGFR - 7) 360996
Shimojima, Hikaru
Cold trapping of fission products in a stainless steel sodium loop. 359749
Shimokawa, J.
Irradiation experiments of uranium carbide, carbonitride, and nitride fuels in JAERI. 379823
Japanese development program for advanced LMFBR fuels. 379797
Shimokawa, Junichi
First conceptual design of the experimental multi-purpose high-temperature gas-cooled reactor. (JAERI-M - 6845) 358241
Reference core design Mark-III of the experimental multi-purpose VHTR. (JAERI-M - 6895) 358242
Shimomura, Michio
Some fundamental studies on the measurement of radioactivity of tritium or carbon-14 labelled substances. 355601
Shimomura, T.
Mechanical properties of vanadium-niobium alloys. 378731
Shimomura, Y.
Behaviour of superthermal electrons in the scrape-off layer of DIVA. 372099
Formation of a light-impurity-free plasma in DIVA. 374846
A model for heavy-impurity re-cycling at a limiter and limitation of power loss to a limiter in tokamaks. 348962
Reduction of power loss due to heavy impurities in Diva. (INIS-mf - 3963) 372098
Shimomura, Yasuo
A study on impurities and scrape-off layer plasma in a large tokamak. (JAERI-M - 7111) 372021
Shimomura, Yoshiharu
Nucleation of an interstitial loop at an impurity site in electron irradiated pure aluminum. 353486
Shimoni, M.
Synthesis of tritiated thymine and thymidine with high specific activity. (NRCN - 434) 373032
Shimoni, Y.
Close coupling calculations of magnetic transitions for He + H_2 in an uncoupled space frame. 368703
Coupled states and infinite order sudden approximations to the body frame wavefunction. 368665
Shimonitsh, A.
Methods of standardization in activation analysis on reactor neutrons. (INIS-mf - 3994) 378162
Shimosato, Atou
Method of recovering ^{85}Kr from liquid at the bottom of distillation tower by concentration. 361110
Shimoshige, Takanori
Nuclear structure study of ^{150}Sm, 1. 359493
Shimotomai, M.
Sputtering of niobium by energetic neutrons and protons: A round-robin experiment. 350569
Shimoyama, Kiyoshi
Incineration of alpha bearing wastes, (1). (PNCT - 831-76-01) 380021
Shimoyama, S.
Irradiated nuclear fuel transport from Japan to Europe. 360687
Shimoyashiki, Shigehiro
Measurement of impurity concentration in sodium by automatic plugging indicator. 361091
Shimura, Masaru
Residue analyses on 2-amino-4-phenylthiazole, a piscine anesthetic, in fishes, 3. 373774
Shimura, Shigetaka
A preliminary evaluation of the environmental annual doses at the normal operation of light water reactors. (NIRS-M - 20) 379351
Shimura, Yoshihiro
Apparatus to determine material stresses using X-rays. (German (F.R.) patent document 2036334/C/) 376398
Shin-ike, T.
Studies on some physical properties of the solid solutions, Ln/sub 1-x/Sr/sub x/VO/sub 3-0.1x/. 360028
Shin-mura, M.
Non-leptonic decays of hyperons in the quartet model. 356431
Shin-mura, Mamoru
Unified description of the nonleptonic hyperon decays in the quartet model. 353830
Shin, H.K.
Collision-induced intramolecular vibration-vibration energy transfer in CO_2: $CO_2(00^01)$ + H_2/D_2. 355918
Shin, T.
Macroautoradiographic study of the distribution and excretion of

^{14}C-pentobarbitone in rats pretreated with phenobarbitone. 360386
Shin, Y.M.
The reaction ^{7}Li(e,^{3}H)^{4}He,e' between 6 and 15 MeV. 356821
Shin, Y.S.
Effect of tube-support interaction on the dynamic responses of heat exchanger tubes. (CONF-770807 – 51) 374266
Shin, Y.W.
Directional integration method for two-dimensional fluid transients. 360997
Shinagawa, Mutsuaki
Effect of added substances on the amination of 2-oxoglutaric acid by gamma-irradiation. 378510
Extraction of uranium(VI) and light lanthanides(III) dissolved in fused (Na-K)SCN eutectic into tetralin with tri-n-octylphosphine oxide. 359576
Shinbo, Hiroshi
Comparison between female and male of demand of sulfur-containing amino acid of domestic silk worms. 367712
Shinde, S.S.
Study of plutonium IV elution from macromolecular anion exchange resin by 0.5 M nitric acid. (BARC – 912) 375652
Shindo, Ryuichi
Reference core design Mark-III of the experimental multi-purpose VHTR. (JAERI-M – 6895) 358242
Shindo, Ryuiti
DELIGHT-B/REDEL, point reactivity burnup code for high-temperature gas-cooled reactor cells. (JAERI-M – 6973) 350450
JIMCOF: a multigroup constants file from ENDF/B-IV. (JAERI-M – 6972) 350447
Reference design of the experimental multi-purpose high-temperature gas cooled reactor. (JAERI-M – 6974) 358265
Shindo, S.
Contrast change of the LEED Kikuchi pattern due to plasmon excitation. 371678
LEED Kikuchi pattern, phonon and plasmon contributions. 368849
Shindo, Y.
The model rotor for the 6 MVA superconducting generator. 360599
Shindo, Yoshihisa
Availability analysis of commercial fast breeder reactor's steam generator system. 368215
Shiner, V.J. Jr.
Isotope effects and reaction mechanisms. 351563
Shingal, R.
An intermediate-energy approximation for electron-atom scattering. 366370
A two-potential intermediate-energy approximation for electron-atom scattering. 366371
Shinji, Kimiatsu
Analysis of rare earth element by electron-ray excited emission spectrometry. 359571
Shinjo, T.
Metallic-antiferromagnetism of non-stoichiometric V_2O/sub 3+x/ studied by (^{57}Fe) Moessbauer effect. 365213
Surface magnetic moment of Fe by Moessbauer effect. 368877
Shinmura, Mamoru
Second class current and anomalies in neutrino reactions. 353871
Shinn, R.L.
Public acceptance of nuclear power. Some ethical issues. 370520
Shinn, W.A.
Cs – U – O phase diagram and its application to uranium – plutonium oxide fast reactor fuel pins. (ANL – 76-126) 370083
Shinohara, S.
Current density profile of noncircular tokamak. (INIS-mf – 3963) 372062
Shinohara, Y.
Fuzzy set theoretic approach to systems analysis. 352928
Shinoura, Y.
Isolation and characterization of mutants of Escherichia coli deficient in induction of mutations by ultraviolet light. 376079
Shinozaki, Tatsuyo
Performance evaluation and fundamental problem of the ACTA scanner. 374331
Shinozaki, Yoshiharu
Glove box for tritium handling. 360683
Safety handling of tritium. 355162
Shinpo, Katsutoshi
Fuel assembly. 350160
Method of starting up and operating a reactor. 360856
Power flattening rod in a reactor. 360865
Shinpock, S.G.
Basic study on the role of thymus in hemopoietic differentiation. (CONF-770952 – 1) 362667
Cooperation of nonsyngeneic tolerant lymphocytes: genetic restriction. 362672
Shinsaka, K.
Electron reactivity in liquid hydrocarbon mixtures. 362286
Shinsky, K.A.
Search for narrow resonant states in e^+e^- collisions near 6 GeV. 351208
Shintaku, S.M.
Temperature distributions in electron beam welding cavities. (UCRL – 13738) 351717
Shintomi, T.
Flicker suppressor by thyristor. 363300
Harmonic current ac filters at a large accelerator. 374087
New method to scale down an operation of a large accelerator power supply. 363345
Superconducting magnetic energy storage. 357978
Shioda, Ken
New transducer; measuring for safety of atomic plant. 355357
Shiokawa, J.
Studies on some physical properties of the solid solutions, Ln/sub 1-x/Sr/sub x/VO/sub 3-0.1x/. 360028
Extraction of trivalent lanthanides from aqueous acidic solutions with di(2-ethylhexyl) phosphoric acid in n-heptane. 362127
Phase relations and the thermal transformations of rare earth dicarbide solid solutions. 362481
Shiokawa, T.
Appearance energies of indium complex compounds determined by the ^{115}In(γ, γ')sup(115m)In reaction. 357128, 369771
Shiokawa, Takanobu
Fragmentation by β-decay in tritium-labelled compounds, (1). 354401
A new nuclear chemical approach to the study of malignancy using perturbed angular correlations. 354974
Production of radioisotopes with accelerators, (1). 355070
Production of radioisotopes with accelerators, (2). 379372
Shiomi, Naoko
Stopping powers of Al, Ni, Cu, Ag, and Ta for 8.78 MeV alpha particles. 354020
Stopping powers of Be, Al, Ti, V, Fe, Co, Ni, Cu, Mo, Rh, Ag, Ta, and Au for 28.8 MeV alpha particles. 354019
Shionoiri, Hiroshi
Clinical application of extracellular fluid measurement using ^{35}S-sodium sulfate. 379200
Shioshima, Shoji
Hyperbaric oxygen therapy for x-ray ulcer. 362705
Shiotani, M.
Electron spin resonance studies of electron attachment to fluorocarbons and related compounds. 357150
Spin trapping of radicals formed in γ-irradiated 2-MTHF glass. 357170
Shiotani, Nobuhiro
Positron annihilation studies of electronic structure of metals. 377288
Shiotsu, M.
Transient boiling heat transfer and burnout caused by rapid depressurization. 376532
Shiozawa, K.
Concentration profile of carbon atoms in Li_2O. 362200
Tritium release from neutron-irradiated Li_2O pellets. 357427
Shiozawa, Takayuki
Determination of cadmium, lead and copper in interstitial water by anodic stripping voltammetry. 372873
Shipajlo, V.Ya.
Study of kinetic regularities of butene-1 oxidation on Te-Mo-O catalyst. 378394
Shipilov, V.I.
Timing coupling circuit. (Soviet patent document 476528/A/) 355629
Shipley, J.P.
Decision analysis in safeguarding special nuclear material. 380137
Shipman, F.H.
Mechanical response of a porous uranium alloy. 373268
Shipman, J.
Autoaccelerator: a generator for producing a high energy intense relativistic electron beam by the autoacceleration process. 363177
Shipov, G.I.
General relativistic nonlinear spinor equations. 368593
Tetrad field equations in the space of absolute parallelism. 348620
Shipsey, E.J.
Charge-transfer cross sections for B^{3+}, C^{4+} + H collisions. 377088
Theoretical charge-exchange total cross sections for B^{+3} + He and C^{+4} + He collisions. 358826
Shirafuji, J.
Irradiation effects on carrier transport and the trapping process in high-resistivity CdTe. 370225
Shiragai, Akihiro
Theoretical consideration of dosimetry for photons. 367833
Shirahata, Yuichi
A case of chondrosarcoma in irradiated mandible. 349768
Shirahatti, P.P.
Application of nuclear techniques in snow hydrology. 367404
Shirai, Shigeko
Stopping powers of Be, Al, Ti, V, Fe, Co, Ni, Cu, Mo, Rh, Ag, Ta, and Au for 28.8 MeV alpha particles. 354019
Shirai, Shoichiro
Eye abnormalities in fetal and postnatal mice caused by 200R of x-radiation on day 7 or 11 of gestation. 379043
Shirai, T.
New techniques for the treatment of laundry and other low-level liquid wastes. 358496
Shiraishi, Fumio
Performance deterioration of silicon semi-conductor detector by proton irradiation. 355632
Shiraishi, Kensuke
The behaviour of dislocations inside the dislocation channels in neutron-irradiated Ni. 358891
Shiraishi, Shiro
The structural revision of piericidin A by combination of CMR spectroscopic and biosynthetic studies. 367722
Shiraishi, Yukinori
Computer application to Genkai Nuclear Power Plant No. 1 Unit of the Kyushu Electric Power Co. Ltd. 350187
Shirakata, Keisho
Measurement of anisotropy of diffusion coefficient in plate cell. 374139

Shirakawa, Toshihisa
Apparatus for decelerating the dropping speed of a control rod. 379593
Apparatus for pouring emergency cooling water. 368124
Control rod drives. 379594
Reactor control rod. 368073
Shirakawa, Yoshihiro
Metabolism of 6-chloro-5-cyclohexyl-1-indancarboxylic acid (TAI-284), a new non-steroidal anti-inflammatory agent, after repeated administration in rats and mice. 349881
Shiraki, H.
Method of fabricating composite superconductors. (US patent document 4,043,028/A/) 370719
Shiraki, Keizo
The influence of increased hepatic sequestration after splenectomy on the survival and osmotic fragility of red cells in rats, with reference to protein levels in diets. 373764
Shiraleva, E.I.
Mechanism of activator X-luminescence in potassium halogenides with di-valent ytterbium. 371521
Shiraliev, S.M.
Extraction-photometric method for determination of titanium (3), molybdenum (5), niobium (5) using rhodanide and triethylamine and diphenylguanidine. 375223
Shiralieva, S.M.
Investigation of complexing in metal (titanium(3,4), molybdenum(5), niobium(5), tantalum(5), vanadium(2)) – rhodanide – amine system. (INIS-mf – 4192) 375380
Shiralkar, N.D.
Combination treatment of gamma radiation and paraben in controlling spoilage of poultry meat. 376171
Shirane, G.
Critical scattering near the percolation threshold in Mn/sub c/Zn/sub 1-c/F_2. 367312
Elastic neutron-scattering study of the three low-temperature transitions in tetrathiafulvalenium-tetracyanoquinodimethanide. 365219
Lattice dynamics of fcc helium at high pressure. 360041
Neutron scattering study of magnetic ordering in the reentrant superconductor $ErRh_4B_4$. 373237
Pressure dependence of magnetic excitations in PrSb. 367281
Temperature dependence of phonons in pyrolitic graphite. (BNL – 23182) 373106
Shirasaki, S.I.
Study of 2-3 and 2-4 magnesiovanadate spinel solid solutions. 357373
Shirayama, Shinpei
Monitoring device of the interior of a reactor. 368074
Shirck, J.R.
Search for fission tracks from superheavy elements in Allende. 377607
Shire, P.R.
Sodium spray release accident analysis for fast reactor safety studies. (CONF-761001 – P4) 363014
Shires, G.L.
Introduction to burnout. Chapter 12. 357904
Shirikov, V.P.
Basic trend of development of the JINR computer centre. 368486
Shirin, V.M.
Some aspects of cleaning and transport of spent fast reactor fuels. (IAEA-AG – 63-14) 368234
Shirin, V.P.
Ionization gage. (Soviet patent document 449267/A/) 379983
Shirinova, S.A.
Electronic priority distributor. (EFI – 122(75)) 350352
Shirinskij, V.G.
Isotope ratio of carbon in lipids of the zooplankton from the Kuril-Kamchatka region of the Pacific Ocean. 349776
Shirk, R.E.
Is eight hours of containment leak rate data sufficient. 358236
Shirkov, D.V.
Singular solutions of renormalization group equations and the symmetry of the Lagrangian. 353850
Shirley, D.A.
Correlation effects in photoelectron spectrometry of atoms. (LBL – 6900) 363924
Thermally induced breakdown of the direct-transition model in copper. 351820
Time resolved VUV spectroscopy using synchrotron radiation: fluorescent lifetimes of atomic Kr and Xe. 368674
Time-resolved VUV spectroscopy using synchrotron radiation. Zeeman beats in resonance fluorescence of the $^3P_1$ states in krypton and xenon. 377079
Shirley, J.A.
Vibrational excitation in H_2 and D_2 electric discharges. 350680
Shirley, J.D.
Study of the lambda binding energy in nuclear matter. 372485
Shirokov, Yu.M.
Electromagnetic formfactors and electrodisintegration of deuteron. 349113
Perturbation theory with respect to the Planck constant. 368594
Shirokova, I.Ya.
Instrumental neutron activation analysis of rocks of Pechenga suite. 354313
Shirokovskij, V.P.
Optical absorption spectra of vanadium and chromium. Experiment and theory. 369949
Shirosaki, Kiyotaka
Support tube of in-core instruments. 350145
Shirotani, T.
Application of image detector to external counting of low energy γ-emitters in lungs. 371132
Shiryaev, P.P.
Direct observation of packing defects in bcc crystals. 356044
Grain boundary migration in tungsten initiated by high hydrostatic pressure. 375879
Shiryaeva, G.V.
Economical aspects on radiation hardening of paint coatings. (INIS-mf – 4194) 376334
Shiryaeva, M.B.
Neutron activation determination of tungsten in rocks and minerals. 375360
Shiryaeva, N.K.
Adsorption chemiluminescence on γ-irradiated adsorbents. 378539
Shishakin, O.V.
The effects of borehole diameter variations and test rig position in a borehole on the neutron-activation logging (NAL-N^{16}) results. 378872
Neutron activation logging for fluorine (NAL – N^{16}). 375992
Shishanin, O.E.
Synchrotron radiation of electrons in cyclic accelerators with account of anazimuthal nonuniformity of a magnetic field. 350096
Shishido, Fumio
Compton radiography, 1. 349868
Compton radiography, 2. 379196
Elemental trace analysis of hepatomas and normal tissues by proton induced x-ray emission spectroscopy. 349854
Shishido, Takashi
Application of radioisotopes to studies of pesticide metabolism. 354910
Shishido, Toshio
Sinterability and characterization of some UO_2 and PuO_2 powders. (PNCT – 831-76-01) 379784
Shishkanov, A.P.
Separation of strontium nitrate from nitric-acid extract during production of compound fertilizers. 351490
Shishkin, G.N.
Temperature dependence of erosion of vanadium and niobium alloys when irradiated with helium ions. 378801
Shishkin, K.S.
Proton scattering by ^{50}Cr and ^{52}Cr nuclei at Esub(p)approximately 6 MeV. 375200
Shishkin, V.Yu.
Stability constants of fluoride, chloride and bromide complexes of thorium in halide melts. (INIS-mf – 4193) 375643
Shishkina, L.N.
Antioxigenic activity of lipids and radiosensitivity. 367513, 379040
Shishkov, A.V.
Reactions of hydrogen atoms during the radiolysis of binary system H_2S – C_2H_4. 349339
Shishkov, V.V.
On carbon and oxygen impurities content in tungsten. 351715
Production and study of molybdenum alloy monocrystals. (INIS-mf – 3839) 365126
Shishkov, Yu.D.
Investigation of fission products behaviour in application to fluoride method of oxide fuel regeneration. 378566
Shishov, N.N.
Experimental limittion on probability of the Ksub(L)→eta(480)+γ decay. (ITEF – 3) 353765
Shishov, V.I.
Radiation scattering and scintillation of the galactic center as indicators of its nature. 374942
Radiosource dimension effect on temporal spectra of interplanetary scintillations. 374870
Shishov, Yu.A.
Superconducting magnets in high-energy physics. 374086
Shishova, T.D.
Radiosource dimension effect on temporal spectra of interplanetary scintillations. 374870
Shishulina, T.P.
Electrophysical properties of solid oxygen-ionic electrolytes. (FEI – 750) 369599
Shitareva, G.G.
Interaction of zirconium with 3,5-dinitropyrocatechol and pyrazolone derivatives and its use in analysis. 375333
Spectrophotometric determination of constants of tellurium (4) hydroxocomplexes formation. 351537
Spectrophotometric determination of formation constants of tungsten(6) monomer hydroxocomplexes. 351538
Sulfonaphtholazoresorcinol as reagent for tungsten. 375334
Shitikov, Yu.L.
Effect of tantalum and tungsten impurities on the phonon spectrum of vanadium. 368883
Shitikova, K.V.
Group of canonical transformations and the K-harmonic method. 372631
Shitova, N.B.
Kinetics of ethylene oxidation into acetaldehyde with phosphomolybdenovanadic heteropoly acids in the presence of Pd(2) aqua-complex. 378340
Shitsevalova, N.Yu.
Electrical properties of films of Er and Yb tellurides. 370066
Shivpuri, R.K.
Low-transverse-momentum distribution and cluster model. 361854
Shiyanovskij, V.I.
Study of x-ray fluorescent Lsub(α)-spectrum of yttrium. 368634

Shizgal, B.
Departure from translational equilibrium for interstellar molecular hydrogen. 364406
Shizuka, H.
Isotope and substituent effects on the intramolecular proton transfer in the excited state of 6-(2-hydroxy-5-methylphenyl)-s-triazines. 378395
Proton-induced rotationless processes in excited 9,9'-bianthryl. 355919
Shkarban, I.I.
Investigation of He^+ and Ar^+ passage through thin carbon films. (INIS-mf – 3996) 364627
Shkarlet, V.D.
2 m- chamber filled with neon – hydrogen mixture and with a track-sensitive hydrogen target. 358330
Shkirman, S.F.
Investigation into mechanism of solid-phase reactions with participation of rare earth oxides by luminescence method. 378369
Polarization of phosphorescence of symmetric metalloporphyrins. 351595
Shklovskaya, R.M.
α-$LiIO_3$-HIO_3-H_2O system at 40 deg C. 359691
Shklovskij, E.I.
Effect of a strong magnetic field on a laser plasma from a solid target produced in a gaseous atmosphere. 368962
Shklovskij, I.S.
Bursters in globular clusters: could they be neutron stars. 374965
On the evolution of radio sources related to supernova remnants. 377651
Shklyarova, E.I.
Mechanism of alternating copolymerization of sulfur dioxide with donor monomers. 357180
Shkoba, B.V.
Experimental facility with intersecting beams for the study on pair collisions of atoms at the energy range of 0,5-10 eV. (INIS-mf – 3915) 350381
Shkoda-Ul'yanov, V.A.
Experiments on the water-oil contact repulsion on a model of a well using $C^{13}(\gamma,n)C^{12}$ reaction. (KIYI – 76-19) 349642
Shkolenok, E.Yu.
Magnetism of $Cr(Phen)_2Cl_3x2,5H_2O$ and $Cr(Phen)_2Cl_2Ix3H_2O$ complexes. 369727
Shkolovskoj, I.S.
On the nature of sources of hard X-ray bursts. 364407
Shkurenko, A.A.
Effect of radial ultrasonic oscillations on hot and cold rolling of pipes and sheets. (INIS-mf – 3914) 349417
Shkurko, I.I.
Using cold deformation methods in flow-production of steel high precision shaped sections. 349425
Shkuropat, P.I.
Megaampere current commutation in capacitive storages for thermonuclear reactor power supplies. (INIS-mf – 3954) 361521
Shkut, V.A.
Two-threshold switching in glass-like Cu-As-Te-I films. 348802
Shlaer, S.
System for histogram entry, retrieval, and plotting. (LA – 6920-M) 374514
Shlakhtich, A.P.
X-ray radiometric exploration of mine opening in mercury fields. 351940
Shlenkin, V.I.
Spin-lattice relaxation of Yb^{3+} and Nd^{3+} ions in ZnS monocrystals. 374740, 377228
Shlesinger, M.F.
Cluster motion on surfaces: A stochastic model. 366435
Shlomo, S.
Coulomb displacement energies and neutron-proton density distributions. 372662
Coulomb energies and nuclear radii in the energy density formalism. 354065
Shluger, M.A.
Cathodic process during ruthenium electrodeposition. 351564
Shlyakhina, L.P.
Magnetic anisotropy of yttrium-samarium ferrite garnets. 374729
Magnetostriction of yttrium-samarium monocrystalline ferrite garnet. 377221
Shlyakhov, N.A.
Analysis of elastic scattering of medium energy particles on nuclei according to the diffraction model. (KFTI – 75-15) 361959
On the determination of nuclear parameters on the basis of the diffraction model. 364651
Shlyakhov, R.A.
Investigation of radical recombination in irradiated polyethylene at 23 deg C. 359812
Shlyakhter, A.I.
The cross section of inelastic neutron acceleration for indium isomers. 372653
Shlyamin, Eh.A.
Determination of neutron mean number on fission event of ^{252}Cf. (INIS-mf – 3896) 357875
Shmakova, E.S.
Features of contact interaction of some refractory oxides with carbon. 359637
Shmal'ko, G.I.
Poloidal field shaping in the "T-10" facility. (INIS-mf – 3954) 361503
Shmalenyuk, R.P.
Structure of alloying zones of 38KhA and 38KhN3MFA steels and an austenite steel. 375892
Shmarin, A.A.
Plasma heating in the TM-3 tokamak by electron cyclotron-resonance at magnetic fields up to 25 kOe. (IAE – 2564) 368912
Shmartsev, Yu.V.
Photoluminescence of $Bi_{12}SiO_{20}$ monocrystals doped with neodymium. 374672
Shmatko, B.A.
Electrophysical properties of solid oxygen-ionic electrolytes. (FEI – 750) 369599
Shmatko, E.S.
Specific features of spectral distribution of radio-frequency radiation of extensive air showers. 365340
Shmatko, G.G.
Dynamic scattering of x-rays by radiation defects near Ge absorption K-edge. 354608
Shmatko, M.N.
Boron content effect on the high-temperature plasticity of corrosion resistant low-carbon austenite type steels. 378627
Influence of cerium and niobium small additions on hot plasticity of the Kh25t steel. 370044
Shmelev, A.N.
Fast reactor. (Soviet patent document 490187/A/) 355459
Shmelev, V.P.
Action of UV- and X-rays on the chromophore groups of proteins in solutions. 351986
Shmelev, Yu.S.
Sulfide phase in the Fe-Ti-S and Fe-C-Ti-S alloys. 378679
Shmeleva, O.P.
Pulse solar flare heating from the uv observations. 369213
Shmid, M.
Delayed neutron emission probabilities of Rb and Cs isotopes. (IA – 1338) 364602
Yields of Rb, Cs, Sr and Ba isotopes in thermal fission of ^{235}U. (IA – 1338) 364719
Shmidel', E.B.
Ionization detector. (Soviet patent document 464924/A/) 352824
Shmidt, G.
Elastic scattering of ^{14}N ions on ^6Li and ^8Li disintegration at 19.5 MeV. 369491
Shmidt, V.S.
Basic problems in reprocessing spent fuel elements of nuclear power plants. 366159
Basic problems of fast-reactor fuel recovery. 367193
Investigation of thorium hydroxopropionates. 365016
Shmonin, L.I.
Nuclear-geophysical methods of testing for lead and barium in natural bedding. 376017
On the choice of optimal geometric conditions in scattered gamma radiation measuring method. 367357
Shnejder, M.D.
The probability of vanadium hydrogenation in the course of metallographic preparation. (INIS-mf – 3839) 365139
To the problem of powder objects preparation for electron microscopy study. (INIS-mf – 3839) 367072
Shneyour, Y.
Selection with cycloheximide of metabolic and uv-sensitive mutants of Schizophyllum commune and Saccharomyces cerevisiae. 373503
Shnurman, G.A.
On the evaluation of porosity and the nature of the effusive rock saturation of the Muradkhanly area (from complex exploration-geophysical studies). 362585
Shnyrev, G.D.
Effect of elastic deformation on electric conductivity of thin wires and strips of molybdenum-rhenium and tungsten-rhenium alloys. 349482
Investigation and processing of warm wire flattening method of molybdenum-rhenium and tungsten-rhenium alloys. 349415
Shnyrkov, V.I.
A superconducting quantum interferometer. (KFTI – 75-33) 353215
Shober, R.A.
Two nodal methods for solving time-dependent group diffusion equations. 376418
Shochet, M.J.
Measurement of the branching ratio GAMMA (K/sub L/ $\rightarrow$ $\pi^+\pi^-$)/GAMMA (K/sub L/ $\rightarrow$ all). 359336
Measurement of the decay rate for the rare process K/sub L/^{0} $\rightarrow$ $\mu^+\mu^-$. 351231
Search for quarks produced with large transverse momentum in 400-GeV proton-nucleus collisions. 359331
Test of scaling in muon-pair production by hadrons. 366878
Shockley, W.E.
Reaction of uranyl nitrate solutions with amberlite IRC-72 cation exchange resin at 30°C: a kinetic investigation for the HTGR fuel recycle plant. (ORNL/TM – 5866) 378565
Shoda, K.
The chromium photoneutron cross section. 356920
Study of the fsub(7/2) ground isobaric analog resonance in the (e,e'p) reaction on ^{139}La and ^{141}Pr. 372823
T/sub >/giant resonance in ^{142}Nd via the reaction $^{142}Nd(e,e'p)$. 364822
Shoda, Katsufusa
Calculation of cross section of the $^6Li(\gamma, d)^4He$ reaction by the cluster model. 378067
Shoda, Yoichi
Effects of season, pregnancy and lactation on serum thyroxine level in dairy cattle. 349874
Shoda, Yoshio
High-temperature low-cycle fatigue tests on Hastelloy X. 359990

Shoemaker, F.M.
Fast flux test facility major component testing experience and plant construction experience. 379841
Shoffner, B.M.
A microprocessor controlled TL dosimetry system. 355583
Shofner, F.M.
Laser cost experience and estimation. (K/OA – 4038) 367867
Shogenov, V.Kh.
Cosmic ray interaction with magnetized plasma (propagation, modulation, acceleration). 356177
Shohet, J.L.
Magnetohydrodynamic equilibria of a non-circular cross-section stellarator. 348967
Plasma heating by Alfven waves in the Proto-Cleo stellarator. (INIS-mf – 3963) 371871
Polarization of X-rays from laser produced plasmas. (INIS-mf – 3963) 353631
Shoji, Saburo
Method for disposal of liquid waste in an atomic power plant. 368384
Method of preventing stress-corrosion cracking on liquid-waste concentration apparatus in nuclear power plants. 368386
Shoji, T.
The environment enhanced crack growth effects in structural steels for water cooled nuclear reactors. 354567
Recoil damage in InSb and InP observed by perturbed angular correlation with ^{111}Cd. 370192
Reduction of power loss due to heavy impurities in Diva. (INIS-mf – 3963) 372098
Shoju, Masumi
Combined effects of x-irradiation and bleomycin on the proliferation of isoproterenol-stimulated mouse parotid glands. 354794
Shokhudzhaev, N.
Characteristics of light emmiting diodes on the base of Gasub(0.7)Insub(0.3) and IaP<N>. 366424
Sholin, G.V.
On stark profiles of hydrogen lines in a plasma with a low-frequency turbulence. 348946
Sholkina, M.V.
Effect of the wurtzite-sphalerite boundary on electrophysical properties of monocrystals. 348824
Sholokhov, E.I.
Quasi-energy spectra of a hydrogen dipole molecule and atom. 366386
Sholokhova, V.I.
Thermodynamic and thermographic investigations into mutual systems of chlorides and iodides of alkali metals in melts. (INIS-mf – 4193) 375589
Sholomov, A.V.
Container for x-ray spectral analysis. (Soviet patent document 457914/A/) 378135
Shomakhova, V.G.
Density and volumetric properties of the lithium (sodium, potassium) molybdate (tungstate)-lithium (sodium, potassium) chloride molten system. (INIS-mf – 4193) 375607
Shomina, L.N.
New possibilities of yttrium, europium, samarium and gadolinium determination by luminescent method. (INIS-mf – 4192) 375229
Shomodh, A.
On particle multiple production following nuclei collisions at energies higher than 10^{12} eV. 377829
Shono, Yoshihiko
Exciton emission in electron-irradiated CdS. 366486
Shoop, J.D.
Sensitivity of radionuclide isotope brain scan in cerebral melioidosis: case report. 373642
Shopov, N.
A study of the possibilities for dry decontamination of surfaces with some trivial cleaning agents. 367819
Shopsky, W.E.
Failure Mode and Effects Analysis (FMEA) of the solid state full length rod control system. (WCAP – 8976) 368075
Shor, S.W.W.
Where we're going and what we need to get there. 363701
Shore, B.W.
Multiphoton resonances. (UCRL – 79177) 377117
Rate equations versus Bloch equations in multiphoton ionization. 350554
Rydberg series in the lanthanides and actinides observed by stepwise laser excitation. (UCRL – 79521) 361406
Shore, G.M.
Dimensional regularisation of massless quantum electrodynamics in spherical spacetime 1. 350498
Shore, R.E.
Breast neoplasms in women treated with x-rays for acute postpartum mastitis. 362708
Shore, R.W.
Additional methodology development for statistical evaluation of reactor safety analyses. (EPRI-NP – 483) 360459
Shorer, P.
Oscillator strengths for the magnesium isoelectronic sequence. 358627
Shorin, B.F.
Simulation of nuclear cascades in atmosphere. 361692
Shorin, K.N.
Optical methods of beam diagnostics while resonant extraction of particles from a synchrotron. 350350
Shorin, S.N.
Thermodynamical analysis of the zirconium nitride production process from tetrachloride. 349259
Shorshorov, M.Kh.
Conditions for producing tensile adhesion of reinforcing fibers to matrix in plasma semi-products of composite materials. 365127
Development criteria of protective coating of the thermonuclear reactor first wall by plasma methods. (INIS-mf – 3954) 362448
Facility for pressure welding of metals and alloys in superplasticity state. 375777
Influence of dispersivity on phase equilibria of crystalline materials. 365184
On development of heat resisting composite material matrices operating at a temperature of 1100 deg C. 357330
On scale dependence of hardness. 373269
On the effect of stressed state scheme on superplasticity. 359923
On the thermodynamics of the metal-carbon system. 367242
Structure and properties of fiber composite material-heat resisting nickel base alloy reinforced with tungsten fibers. 359987
Shosa, D.
Polarized radiation for XRF of elements with Z=47-57. 378126
Shosa, D.W.
A totally absorbing time-of-flight neutron detector. 355518
Shoshiashvili, Sh.S.
Four-prong π^-p interactions with π^0 production. Pt. 2. Cross section determination by statistical method; study on characteristics of proton and neutron production. (JINR-R – 1-8793) 364460
Technique of study on the $\pi^-p \rightarrow p\pi^+\pi^-\pi^- + m\pi^0$ and $\pi^-p \rightarrow n\pi^+\pi^+\pi^-\pi^- + m\pi^0$ reactions at 5GeV/c by means of a one-meter propane bubble chamber. (JINR – 1-8514) 369389
Shoshin, Eh.B.
Experimental study on electron-photon cascades in homogeneous and inhomogeneous absorbers. 361932
Shostenko, A.G.
Ethylene interaction with carboxylic acids. 362282
Rearrangement of alkyl radicals in the process of radiation telomerization of ethylene with ethyl bromide. 362273
Telomerization of ethylene by capronitrile under γ-irradiation. 375706
Telomerization of olefins and ketones initiated by ionizing radiation. 378546
Shostenko, N.A.
On extraction of hafnium in the form of rhodanide from sulfuric-acid solutions. (INIS-mf – 4187) 375570
On the effect of heating and storage of zirconium sulfuric-acid solutions on tributyl phosphate extraction of zirconium rhodanide. 378396
Study of zirconium and hafnium extraction separation possibility using solutions with deficit of acid. 357238
Shotet, J.L.
Plasma effects on the absorption spectrum for the ordinary mode in a magnetized plasma. (INIS-mf – 3963) 371779
Shotov, A.P.
Epitaxial layers of Pbsub(1-x)Snsub(x)Te and Pbsub(1-x)Snsub(x)Se. 370048
Shotter, A.C.
The E1 and E2 strength in the electrofission of some heavy elements. 356878
Shoub, E.C.
Departures of the electron energy distribution from a Maxwellian in hydrogen. I. Formulation and solution of the electron kinetic equation. 350939, 350940
Shoun, R.R.
Bidentate organophosphorus compounds as extractants from acidic waste solutions: a comparative and systematic study. (CONF-770907 – 3) 363651
Evaluation of crown compounds in solvent extraction of metals. (CONF-770907 – 4) 362133
Impurities that cause difficulty in stripping actinides from commercial tetraalkylcarbamoylmethylphosphonates. (ORNL/TM – 5878) 362316
Shoup, R.L.
Generic environmental statement on the routine use of plutonium-powered cardiac pacemakers. (ORNL – 5171) 367727
Health physics aspects of fusion power. (ORNL – 5171) 367565
Nuclear-powered pacemaker fuel cladding study. (ORNL – 5171) 367879
Pediatric phantoms. (ORNL – 5171) 367597
Shovskij, V.A.
Electron-electron interaction effect on the electric resistance of liquid metals. 378653
Shpak, A.P.
Structure of valent electron energy spectrum of niobium-silicon system compounds. 370009
Shpak, Eh.A.
Investigation of polarographic behaviour of N-furoilphenyl-hydroxylaminates in extracts. 349184
Shpak, V.S.
Improvements in or relating to power plant coolant. (UK patent document 1489171/A/) 365815
Shpakauskas, V.V.
Properties of the fractional parentage coefficients and the reduced matrix elements of operators with respect to the transposition of the spin and quasispin quantum numbers. 377118
Shpakov, V.P.
Excitation of collective states in spherical nuclei in high-energy proton interactions. 361975
Shpanskij, D.V.
Central peak in the spectrum of fluctuations of a ferroelectric mode and dielectric losses in $SrTiO_3$ at 4.2 K. 374787

Shpatakovskaya, G.V.
Quasi-classical atomic model. 374622
Shpenik, O.B.
Exitation and charge exchange of Mg^+ ions on alkali metal atoms. (INIS-mf – 3915) 348747
Shpil'rain, E.E.
Nuclear hybrid plant with laser fusion reactor. (INIS-mf – 3963) 353556
Shpil'rain, Eh.Eh.
Investigation of integral normal emmissivity of materials in the high temperature range with the aid of reflection furnace. 370049
Shpil'rajn, Eh.Eh.
Thermal conductivity of liquid sodium-potassium alloys. 359948
Shpinel', V.S.
Hyperfine interaction for Tb^{160} in gadolinium. 377188
Shpiro, E.S.
Effect of preliminary gamma irradiation of oxides on catalysis of homomolecular exchange of oxygen reaction. 373068
Shrabshtejn, S.A.
KSANI complex system for automation of scientific researches. 358419
Shrader, E.F.
A microprocessor controlled TL dosimetry system. 355583
Shragge, P.C.
Radiation chemistry of uracil. 360235
Shramenko, B.I.
Bremsstrahlung spectra for 1 GeV electrons and positrons in silicon, germanium and niobium crystals. 368794
Cherenkov shower γ-spectrometer. 376655
Shrauner, E.
Bilocal fields for the study of quantum corrections to dynamically broken symmetries. 371433
The vanishing norm of Faddeev-Popov ghost fields. 361275
Shrem, S.
Radioimmunoassay for lutenizing hormone. (IA – 1338) 365495
Shreve, J.D. Jr.
Penchant for protectionism. 379331
Shringi, S.N.
Moessbauer studies of spin flucluations in Znsub(0.4)Fesub(2.6)Osub(4). 366395
Shrivastava, B.D.
New lines in the L-spectrum of neodymium-60. 358827
Shrivastava, R.L.
Intensity of high energy double plasmon satellite of the K X-ray emission spectrum of Be. 371687
Shrock, R.E.
Antineutrino anomalies and right-handed currents. 359221
Natural suppression of symmetry violation in gauge theories: Muon- and electron-lepton-number nonconservation. 372452
Shroy, R.E. Jr.
Coexistence of spherical and deformed states in nuclei in the Z = 50 region; and the interaction of nuclei with electromagnetic fields in crystals. 356879
Shsashkin, M.A.
Synthesis and investigation into vanadium(5) compounds with tetraalkyl ammonium compounds-derivatives of xylilenediamine. 375571
Shtambur, I.V.
EPR of gadolinium in zinc sulfide. (INIS-mf – 3955) 377229
Shtan', A.F.
Effect of fluctuating electric fields on superbanana diffusion of plasma in stellarator. (INIS-mf – 3963) 372076
Shtan', A.S.
Neutron radiography exposure nomograms. 349960
Shtan'ko, V.I.
Study of phase transformation of activator in radiation-coloured crystallophosphor CsBr-In. 373384
Shtan'ko, V.M.
Processes on metal surface during its electropolishing. 349291
Shtchulepnikov, M.N.
The use of the microtron for the activation analysis of pure metals and alloys. 356975
Shtejn, L.M.
Phase structure effect of deposited metal of some alloys on the abrasine resistance. 375838
Structure and friction properties of cermet and oxide explosion coatings. 370034
Shtejn, M.M.
Radiation method of measurement of radial gaps in between motor crank mechanism joints. 363085
Shtejnberg, M.M.
Martensite transformation in iron-nickel alloys during deformation. 370024
On temperature dependence of the yield strength of austenitic alloys under going martensite transformation during deformation. 370050
Shtejnshrajber, V.Ya.
GaTe vibrational spectra. 355948
Shteka, T.D.
Phase diagram of the zirconium-osmium system. 349477
Shtemanetyan, G.Z.
Study on angular characteristics and multiplicity of secondary particles in cosmic hadron interactions with nuclei at mean energy 400 GeV. 361871
Shternberg, Z.
The magnetron discharge as a source of H-ions. 356553
Shtin, A.P.
On structural role of niobium in glasses of the K_2O-Al_2O_3-P_2O_5-Nb_2O_5. 378397
Spectral-luminescent characteristics of YVO_4-Nd in disordered phosphate matrices. (INIS-mf – 3955) 378266
Shtinov, E.D.
Combined steel hardening using fine grain austenitizing. 357331
Influence of austenite grain size on mechanical properties of chromium-nickel structure steels. 349532
Shtogrin, I.I.
Subnanosecond silicon detector. 371074
Shtokalo, M.I.
Complexing in zirconium-xylenol orange-organic base system. Extraction-photometric determination of zirconium. 364911
Shtokhamer, R.
Thermodynamic arrow for a mixing system. 368590
Shtolin, S.V.
1000 fold linear pulse-duration converter. 376734
Shtrachman, I.
Interdiffusion study in the $CeCo_2$-Co system. 354561
Shtremel', M.A.
Formation temperature and growth kinetics of flakes in the 35KhN3MFA steel. 349533
Shtrikman, M.M.
Automatic welding using narrow speit joint of high-tensile steels and titanium alloys. 375792
Effect of multilayer welding conditions on the resistance of Kh15N5D2T and Kh16N4B-steels to cold crack initiation. 349460
Shtrikman, S.
Trace-gas analysis with a resonant optoacoustic cell operating inside the cavity of a CO_2 laser. 367055
Shtrusnyj, Kh.
Excited states of ^{163}Er, populated in the ^{163}Tm decay. 377950
Shtrykov, V.K.
Turbulence and velocity of the plasma near the Sun deduced from "Venera-10" radio transmission experiments. 369069
Shtubnya, M.
Locating fuel element canning defects in the reactor KS-150. 376553
Shu, F.H.
Structure of contact binaries. II. Zero-age models. 359118
Shuart, M.J.
Tensile and compressive test results for metal matrix composites. Interim report. (N – 77-22180) 367273
Shuba, I.M.
Construction of the Wightman axiomatic scheme for concentratable field. 366282, 368561
Shubba, V.
Semiconducting ytterbium at high temperatures. 357332
Shubin, V.I.
Effect of multilayer welding conditions on the resistance of Kh15N5D2T and Kh16N4B-steels to cold crack initiation. 349460
Effect of preliminary thermal treatment of EhP-56 on resistivity to cold cracks formation in the joint heat affected zone. 351745
Effect of welding conditions on the cold cracking resistance of sheet martensitic aging steels. 369857
Shuck, D.L.
Production of uranium dioxide. (US patent document 4,053,559/A/) 373120
Shudegov, V.E.
Calculation of cross-sections of electron-molecule elastic collisions. 358696
Shugal, N.F.
Cd^2, Cu^2, Pb^2 compounds with cinnamic acid. 375550
Shugarov, S.Yu.
Results of optical observations of the Cygnus X-2 and Scorpius X-1 x-ray sources. 364277
Shugart, H.H.
Functional complexity and ecosystem stability: an experimental approach. (ORNL/TM – 6199) 378883
Shukalov, I.B.
Level population of ^{92}Mo in inelastic scattering of fast reactor neutrons. (INIS-mf – 3896) 356740
Shukeilo, I.A.
Vacuum technical aspects of synchrotron multicharged ion acceleration. 370767
Shukhiev, S.
Study on low-energy gamma rays in the ^{147}Sm (n, γ) reaction with resonance neutrons. (INIS-mf – 3897) 356860
Shukhman, I.G.
Effect of trapped electrons on odd "drift" modes in a tokamak. 377483
Nonlinear phenomena in gas subsystems of flat Galaxies. 369183
Shukhman, N.G.
Evaluation of the maximum anisotropy of stellar velocity distribution in galaxies. 369184
Shukhostanv, V.K.
X-ray radiographic analysis of residual stresses when cutting out or welding up closed-outline pieces. 349958
Shukla, B.S.
Studies on the immobilisation of sulphate-bearing waste PbO-B_2O_3-SiO_2 system. (BARC – 951) 376762
Shukla, K.N.
Temperature distributions in a system of two cylindrical bodies. 368235
Shukla, M.M.
Lattice dynamics of aluminium, lead and thorium on modified Bhatia's model. (UEC-S – 162/32/75) 363958
Lattice dynamics of silver and gold on Krebs's model. (UEC-S – 160/30/75) 363959
The lattice dynamics of six prominent B.C.C. transition metals.

(UEC-S – 182/52/75) 363967
Theoretical computation of electronic Grueneisen parameters of metals. 351729
Shukla, P.K.
Filamentation of lower-hybrid cones. 372035
Finite amplitude envelope solitons. 350937
Finite frequency density modifications by lower-hybrid cones. (INIS-mf – 3963) 374857
Non-linear electron plasma waves. 364249
Nonlinear propagation of high-frequency plasma waves in a magnetized plasma. 366624
Parametric coupling of a large-amplitude whistler wave with ion quasimodes in plasmas. 359016
Stability of a finite amplitude ion acoustic wave in plasmas. 350941
Shukla, V.
Corrosion of cladding materials in GCFR containing impurities in the coolant. 351676
Wear of materials for turbine and cladding in the HTGR and GCFR. 351677
Shukla, V.K.
Criticality studies of fast assemblies with the new 27-group cross-section set. (BARC – 906) 376411
Shuklin, S.V.
Economic aspects of the development of nuclear power and fuel-cycle plants in the USSR. 366127
Shuklov, A.D.
Isotope exchange kinetics under conditions of diffusion hindrance. 378398
Low-temperature deuterium – hydrogen exchange at irradiated silica gels containing transition element ions. 373095
On mechanism of low-temperature photoinduced deuterium-hydrogen exchange on silica gel promoted by transition element ions. 365128
Shukolyukov, Yu.A.
Nuclear-induction methods of modern isotope geochronology. 354676
Shul'gin, B.V.
Chemical preparation and properties of new complex orthovanadates $M_3^+ M^{3+} (VO_4)_2$ and $M_2^+ M^{4+} (VO_4)_2$. 351488
Spectral-luminescent properties of double molybdates with palmierite structure. (INIS-mf – 3955) 366470
Spectrum of Eu^{3+} ion in vanadic garnet. (INIS-mf – 3955) 378303
Shul'govich, G.I.
Evaluation of detection efficiency of Si(Li) detectors in the 0.05-1.25 MeV gamma radiation energy range. 379910
Shul'man, G.A.
On nuclear reactions in superdense cold hydrogen in a strong magnetic field. 361735
Shul'man, S.G.
First-order transition in samarium monosulphide. 375923
Rare-earth semiconductors and their optical spectra. (INIS-mf – 3955) 367128
Some specific features of the absorption spectrum of metal modification of samarium monosulfide. 374738
Shul'man, V.M.
Heating of thin samples of maraging steels during short-time aging. 369953
Shul'pin, G.B.
Reduction of α-oxo- and α-oxyderivatives of ferrocenophane by sodium borohydride in the presence of the Lewis acid (aluminium chloride or boron trifluoride). 349270
Reduction of double bond by molybdenum carbonyl. 359665
Shul'te, A.Yu.
Variation of plastic deformation resistance of metals under high-frequency vibrations. 369970
Shul'ts, G.
Dynamical effects in interaction between complex nuclei. 349118
Shul'ts, M.M.
Glass electrode in redoxometry. 375572
Shul'tse, D.
Complex spectroscopic investigations of double molybdates of Ksub(5)Ndsub(1-x)Bisub(x)(MoOsub(4))sub(4)composition. (INIS-mf – 3955) 378302
Shul'tse, R.-D.G.
Some specific features of the formation of monocrystal surface structure due to ion bombardment. 349601
Shul'zhenko, L.A.
Effectiveness of geophysical exploration techniques in determination and evaluation of carbonate reservoirs for oil and gas in the Uzbek fields. 375983
Shulakov, A.S.
Investigation of iron-nickel alloys by means of X-ray emission spectroscopy. 349490
Shulepin, V.S.
Estimation of some systematic errors in the application of the differential reactivity method to the ABV-1,5 reactor reactivity coefficient measurement. (FEI – 515) 350119
Reactivity excess evaluation using an empirical criticality equation. 376414
Shulepov, V.I.
Interaction of silicon carbide filaments with the matrix of a complex nickel alloy. 370088
Shulga, V.I.
The resonance dechanneling of fast protons in silicon during the axial-to-planar channel transitions. (INIS-mf – 3995) 377168
Shull, J.M.
Grain disruption in interstellar hydromagnetic shocks. 359164
Shock models of high-velocity interstellar Si III. 359163
Vibrationally excited molecular hydrogen in Orion. 359097
Shulman, S.
Absence of iron line emission in Cgy X-3. (CONF-7510169 –) 364408
Soft x-rays from Her X-1 during the "off" phase. (CONF-7510169 –) 364322
Shulstad, R.A.
Evaluation of mass integral scaling as applied to the atmospheric radiation transport problem. 364634
Shultin, A.A.
Orientation melting and pre-transition in ordered phases of cesium and rubidium nitrates. 353447
Shultis, J.K.
Low-order approximation for highly anisotropic multigroup transport cross sections. 363387
Shultz, F.W.
Events and observables in axiomatic quantum mechanics. 368595
Shum, A.N.
Experimental superconducting homopolar motors. 360651
Shumaker, D.E.
Calculation of transport coefficients in an axisymmetric plasma. 372022
Shumakov, A.V.
Multi-channel ignition system for spark gaps. 376672
Stabilization of time characteristics of the Arkad'ev-Marks. 358405
Shumeiko, N.M.
On an exact calculation of the lowest order electromagnetic correction to the point particle elastic scattering. 353762
Shumejko, N.M.
On radiative corrections to πe-scattering. (JINR-R – 2-8975) 356390
Shumejko, V.P.
Leak control of fuel element cladding. 367993
Shumenko, V.N.
Production of sodium sulfatozirconate from baddeleyite concentrate. 375484
Shumilin, M.V.
Distribution patterns of uranium deposits and methods of evaluating them. 365262
Shumilin, V.P.
Investigation of liquidus surface in In-InP-GaP system. 359692
Shumskij, R.V.
Estimation of superheated steam quality by measuring the real steam temperature. (FEI – 509) 376303
Shunk
Tritium production from $^6Li(n,\alpha)$ and $^7Li(n,n'\alpha)$ reactions. (BNL-NCS – 22500) 356863
Shur, Ya.S.
Magnetic properties and crystal structure of UCosub(5,3) alloy. 373183
Temperature dependence of domain structure of sintered $SmCo_5$ and Smsub(0,5)Prsub(0,5)Co_5 permanent magnets. 370102
Shur'yan, I.M.
Action of radiation on biosynthesis of hemoglobin and some of its electrophoretic fractions. 362687
Erythropoietic activity of the plasma of irradiated animals. 379015
Shurakovs'kij, Je.O.
On electron structure of the transition metal germanide. 375833
Shurdumov, B.K.
Viscosity of the potassium pyrophosphate-tungsten trioxide molten system. (INIS-mf – 4193) 375575
Viscosity of the potassium tetraborate-tungsten trioxide molten system. (INIS-mf – 4193) 375573
Shurdumov, G.K.
Density, molar volumes and electric conductivity of molten molybdates and tungstates of alkali metals. (INIS-mf – 4193) 375574
Thermal analysis density and volumetric properties of the rubidium molybdate (tungstate)-rubidium chloride and cesium molybdate (tungstate)-cesium chloride molten systems. (INIS-mf – 4193) 378436
Thermal analysis, density and volumetric properties of the sodium molybdate (tungstate)-sodium carbonate and potassium molybdate (tungstate)-potassium carbonate molten systems. (INIS-mf – 4193) 378399
Viscosity of the potassium pyrophosphate-tungsten trioxide molten system. (INIS-mf – 4193) 375575
Viscosity of the potassium tetraborate-tungsten trioxide molten system. (INIS-mf – 4193) 375573
Shure, K.
Taylor coefficients for Eisenhauer – Simmons gamma-ray buildup factors in ordinary concrete. 361944
Shurin, A.K.
High-temperature properties of eutectic alloys with titanium diboride. 378732
Mitallographic study of alloys of the V-ZrO_2, V-HfO_2, Ta-ZrO_2 and Ta-HfO_2 systems. 370051
Structure and tensile properties of niobium-zirconium nitride alloys. 349440
Shurkhal, T.M.
Dimensional factor in solid lithium electrolytes of the Li_2XO_4 (X-S, Cr, Mo, W) type. (INIS-mf – 4189) 378373
High-conductive phases of solid salts of silver and sodium with XO_4^{2-} (X-S, Cr, Mo, W) anions. (INIS-mf – 4189) 378372
On high-conducting phases of the Na_2WO_4 solid electrolyte. 369692
Shurkin, N.G.
Crisis of heat transfer and its dynamics in a tube with cosinusoidal heat-evolution on the length. 379439
Shurmel', V.A.
Anion-exchange affinage of plutonium and neptunium during extraction reprocessing of WWER spent fuel elements. 359839

Shurpin, J.
The influence of a self-consistent model space on the folded diagram expansion of nuclear effective interactions. 372663
Shurr, G.W.
Pierre Shale, northern Great Plains: a potential isolation medium for radioactive waste. (USGS-OFR – 77-776) 374450
Shurshakova, T.N.
Microporosity and irreversible changes in the properties of high-irradiated graphite. 370236
Shurubor, Yu.V.
Substantiation of a form of the neutron gamma logging data dependence on rock porosity. 354667
Shuryak, Eh.V.
Nonlinear resonance in quantum systems. 371434
Shurygin, P.M.
Studying thermal conductivity of malten oxides. 372997
Thermal conductivity of molten oxides. (INIS-mf – 4193) 378400
Shushin, A.I.
Tunnel thresold effects in the two-channel, problem with quasi-intersection. (INIS-mf – 3915) 348737
Shustov, A.V.
Spin flip probability of 6.9 MeV protons in inelastic scattering on ^{24}Mg. 378046
Shustrov, B.A.
Use of radioactive tracer for investigation into distribution of polyacrylic acid grafted onto polyethylene. 362259
Shustrov, V.A.
Scattering of alkaline ions on polycrystal targets. 354025
Shut, N.I.
Thermal conductivity of irradiated polyethylene filled by fibre glass. 349363
Shutilov, V.A.
Acoustic solid-effect in non cubic crystals. 363979
Interference nuclear acoustic resonance in crystals with the Jahn-Teller cooperative effect. 356068
Shutko, A.N.
Negative action of high-polymeric heterologons DNA on the survival of irradiated animals. 362686
Shutov, I.A.
Hall effect in rhenium single crystals at low temperatures and under hydrostatic pressure. 369976
Shutov, V.L.
Low-inductance megampere commutator with using creeping discharge. 363613
Shuvaev, M.A.
Polarization in 1 GeV elastic proton scattering on carbon. 354133
Shuvalov, R.S.
Measurement of $\pi^-p \rightarrow \pi^0 n$ at large momentum transfer. 372503
Observation of a meson $X \rightarrow 2\gamma$, with mass 2.85 GeV/c^2, produced in the charge-exchange reaction $\pi^-p \rightarrow Xn$ at 40 Gev/c. 377780
Particle identification in a hodoscope Cherenkov spectrometer. 355520
Study of the reaction $K^-p \rightarrow$anti K^0n at momenta of 25 and 40 GeV/c. 356482
Shuvalov, S.M.
Study in ion composition on a plasma produced by CO_2 laser radiation. 370736
Shvab, Eh.
Magnetic and neutron diffraction investigation of reorientation transitions in cobalt-substituted yttrium orthoferrite. 355949
Shvabe, K.
On the activity of In^{3+} and Al^{3+} ions in solutions. 375576
Shvachka, A.B.
Software package for buffering data for the CALCOMP-565 plotter on the BESM-6 computer. (JINR-R – 11-10791) 380154
Shvachkin, V.B.
CAMAC-VEKTOR system for data readout from wire spark chambers with ferrite rings. (ITEF – 75) 350373
Data readout system in the CAMAC-VEKTOR standard for wire spark chambers with ferrite rings. 376733
Shvajko-Shvajkovskij, V.E.
Change of density of cubic ZrO_2 under the effect of anion vacancies. 378319
Preparation of solid solutions with electron conductivity on the base of zirconium dioxide. 349571
Shvajko, V.V.
On electron structure of the transition metal germanide. 375833
Shvajtser, T.
Elastic and inelastic scattering of 3.4 MeV neutrons on Na, Mg, Al, Si, P, V, Mn, Fe, Co, Pb and Bi isotopes. 378036
Shvarts, A.S.
Existence of solutions and generalized solutions in one-dimensional nonlinear equations. 366300
Shvarts, D.
Charge particles transport calculations using the Sn method. (INIS-mf – 4052) 372023
A correlated sampling technique for generating importance function for Monte Carlo shielding calculations. (INIS-mf – 4052) 368011
Shvarts, E.M.
Extraction-titrimetric methods of determination of boron by 3-methyl butandiol-1,3 in the presence of macroquantity of other ions. (INIS-mf – 4191) 375282
Shvarts, I.A.
Electromagnetic form factors and vertex constants for ^{6}Li. 375102
Shvarts, K.K.
Photorefraction in lithium niobate. 374664
Shvartsbart, Ya. S.
Friction in plastic working and rheological characteristics of metals at high temperatures. 369877
Shvartsbart, Ya.S.
On the nature of the curve of high-temperature strain hardening of metals. 378733
Shvartsman, B.F.
Bubble chamber. (Soviet patent document 486292/A/) 350307
2 m- chamber filled with neon – hydrogen mixture and with a track-sensitive hydrogen target. 358330
Shvartsman, N.E.
Generator of the lengthened beam dump of electrons on a target in a betatron without an external power supply. 370770
Shved, R.
On cross-sections of interaction of relativistic alpha-particles with nuclei. (JINR-R – 1-10592) 375151
Shvedov, L.I.
Sigma-phase in the Fe-Cr-Mn-alloys. 349534
Structure and phase composition of the Fe-Cr-Mn-alloys. 367274
Shvedov, O.V.
"APROX" – least square fit program for experimental data processing and performing of mathematical experiments on measurement of the system geometry. (ITEF – 7(1975)) 374536
Shvedov, V.P.
Influence of some surfactants on the purification of waste solutions by evaporation. 349334
Shvedova, L.K.
Laser radiation effect on the 4.-5. group transition metal nitrides. 357380
Shvejkin, G.P.
Kinetics and mechanism of initial stages of carbon-thermal reduction of ZrO_2. 364972
Low-temperature neutron and X-ray diffraction studies of rare-earth orthovanadates. 350793
Magnetic properties of solid solutions in the $NdVO_3$-$CaVO_3$ system. 369589
Solubility of hydrogen in zirconium oxycarbides, oxynitrides and oxycarbonitrides. 364982
Study into kinetics and mechanism of formation of carbonitrides by carbothermal reduction of subgroup 4-a metal oxides. (INIS-mf – 3248) 369667
Synthesis and magnetic properties of Vsub(1-x)Tisub(x)Osub(1,75) (x = 0,00-0,10) solid solutions. 360021
Shvets, D.I.
Particularities of solid body effect on transformations in heterogeneous systems. 373088
Role of active centers of solids in radiation chemical transformations of heterogeneous systems. 373094
Shvets, G.N.
Renormalized theories of particles with spin J = 1 described by antisymmetric tensor. 361313
Shvets, O.M.
High-frequency turbulence of plasma in the "Uragan" stellarator with ion-cyclotron pumping. (KFTI – 75-19) 377510
Particle confinement in hf-heated plasma in the Uragan-2 stellarator. (INIS-mf – 3963) 371814
Shvets, R.N.
Residual stresses in a plate with a diffusion coating taking into account phase transformations. 375872
Shvets, V.A.
Nonlinear quasi-axial line for shock electromagnetic wave producproduction. (JINR – 13-8709) 352420
On a possibility of using magnetic pulse generators in linear induction accelerators. (JINR – 9-9523) 363273
Pulse modulator for an experimental electron gun. (JINR – 13-9277) 360709
Pulse transformer for an electron gun. 363606
Shaping of monochromatization pulses for an electron beam in a linear induction accelerator. (JINR – 13-9077) 360733
Shvets, V.N.
Ability of haematopoietic stem cells to differentiate after transplantation of irradiated bone marrow cells irrespective of the dose rate. 370366
Dose rate effect (γ-rays, Co^{60}) on the colony-forming cells of the bone marrow in mice. 352044
Radiosensitivity of haemotopoietic stem cells of bone marrow of continuously irradiated mice. 360236
Shvetsov, D.M.
On some methods for solution of control and diagnostics problems of nuclear power plant accident states. (FEI – 588) 350179
On the problem of noise spectra classification in nuclear power plant operation diagnostics. (FEI – 658) 350101
Shvetsov, M.S.
Cross-section of gamma-quantum production in inelastic interaction of 14 MeV neutrons with some light, intermediate and heavy nuclei. (INIS-mf – 3897) 356711
Shvetsov, V.I.
On high-temperature oxidation of the Fe-Cr-Mn alloy underscale layer. 375868
Shvetsov, V.S.
Automatic drive for the MIKh-2 magnetometer for measurements of pulse magnetic fields in the UTI adgesator. (JINR – 9-9586) 374377
Shvidkovskaya, T.E.
On anomalous anisotropy of solar cosmic ray flux in September 1973. 377661
Shvind, A.
High-voltage supply system for a streamer chamber on a pulsed transformer. 371102
Shvoev, A.F.
Leak control of fuel element cladding. 367993
Performance of Novovoronezh nuclear power plant fuel assemblies.

368147
Shwartsman, M.M.
Determination of the main commercial components of the apatite ores in Khibiny using nuclear well logging. 351951
Neutron activation logging for fluorine (NAL – N^{16}). 375992
Quantitative analysis for potassium and acid-soluble aluminium. 351952
Shysh, A.
Clearance and elimination of ^{125}I-Rose Bengal in the sub-totally nephrectomized chronically uremic rat. 352078
Siafarikas, K.I.
Diagnostic efficiency of radioallergosorbent tests in children with respiratory diseases and simultaneous multiple pollen allergy. (INIS-mf – 4010) 370487
Radioimmunoassay of pituitary hormones during stimulation tests to estimate the efficiency of replacement the therapy in hypothyroidism. (INIS-mf – 4010) 370504
Sialer, G.
Results of the use of a sup(99m)Tc labelled pharmaceutical for bile duct scintigraphy. (INIS-mf – 4010) 370505
Siambis, J.G.
Resistivity, heating and radial transport on the axis of the tokamak discharge. 361626
Sibgatullin, N.R.
On propagation of weak waves in a strong electromagnetic wave. 374555
Sibieude, F.
High-temperature studies of zirconia-yttria-neodymia solid solutions. 354584
Sibileva, L.I.
Heat resisting titanium alloy. 375866
Sibilia, C.
On the γ-photon detection processes and the statistics of radiation. 363751
Sibley, W.A.
Low-temperature radiation damage in Mn-doped $RbMgF_3$. 365244
Radiation damage and energy transfer in MnF_2 and $RbMnF_3$ crystals. 357435
Sibold, K.
Mass generation in a normal-product formulation. 368522
Sichel, E.K.
Thermal conductivity of highly oriented pyrolytic boron nitride. 373306
Sicilian, J.M.
Methods for the development of large computer codes under LTSS. (LA-NUREG – 6828-MS) 352493
Sick, I.
Determining the spectroscopic factors of the 1psub(1/2) neutrons in ^{13}C. 378001
Measurements on light antiprotonic atoms. 376976
On the radial distribution of the 1fsub(7/2) proton orbit. 362113
Researches with the 600MeV Linac. Chapter 4. (CEA-N – 1959) 354138
Study on antiprotonic atoms of light nuclei and isotopes. 371523
Siddall, R.E.
Quality assurance for HTR fuels. 376536
Siddaramappa, R.
Pesticide-soil microflora interactions in flooded rice soils. 379168
Siddarame Gowda, T.K.
Pesticide-soil microflora interactions in flooded rice soils. 379168
Sidel'nikov, V.N.
Numerical study on viscous flow in a flat ribbed channel. (FEI – 558) 349983
Sidelnikova, N.K.
Effect of halide salts on potassium peroxoborate decomposition. 349238
Sides, G.D.
Dissociative electron attachment in nitrogen trifluoride. 350681
Sides, W.H. Jr.
Identification of neutron noise sources in a boiling water reactor. (CONF-770902 – 4) 368125, 379643
Sidhanta, J.
Lepton-hadron relation and the electromagnetic form factor of the deuteron. 359314
Sidhu, G.S.
Genetics of simple and complex host-parasite interactions. 373732
Measurements and calculations of the electron recoil spectra from gamma rays emitted by nitrogen for a 14-MeV neutron source. 356538
Sidis, V.
Direct and charge-exchange inelastic processes in ion-atom collisions. 348738
Theoretical study of Li^*-He collisions. 350682
Sidlin, Z.A.
Effect of alloying elements and slag of electrode coating on the properties of deposited metal type Kh15N5d2. 370053
Influence of marble content in electrode coating on properties of heat resistant weld-up metal. 375793
Sidorenko, A.Ya.
Thermodynamic functions of gaseous rare earth monoselenides of yttrium subgroup. 375850
Sidorenko, F.A.
Moessbauer studies of the distribution and charge of the vacancies in α-leboite crystal lattice. 366467
Sidorenko, G.A.
The investigation of uranium-1 and uranium-containing minerals by luminescence spectra. 360145
On crystallochemistry of uranil silicates. 362586
Synthesis and crystallochemical analysis of phosphoric analogue of troegerite. 349656
Sidorenko, L.M.
Crystal structure and magnetic properties of films of Sm, Gd and Tb compounds with 3d-metals of Laves phase type. 357265
On eutectoid decomposition of the $SmCo_5$ compound. 369933
Sidorenko, V.A.
The principal approaches to the problem of nuclear power plant safety in the USSR. 370612
Problems of WWER reactor safety. 370939
Structure of the nuclear power industry with allowance for energy production other than electricity. 366115
Ways of improving the economic indices of nuclear power stations with light-water cooled and moderated reactors. 366154
Sidorenko, V.D.
Calculation of neutron spectrum in the thermal range by means of differential models of thermalization. (IAE – 2619) 358045
Simplified determination of average neutron yield per thermal neutron absorbed in light water-uranium lattice. 358034
Sidorenko, V.I.
On the mutual effect of deformation and pearlite transformation. 370080
Thermomechanical isothermal treatment effect on structure and properties of a structural steel. 378756
Sidorenko, V.M.
Hydrogen penetration through chromium-nickel alloys from nitrogen-hydrogen mixtures. 375841
Investigation into thermochemical fatigue of the heat resisting VM-1 and VKh-4 alloys by the ac electric conductivity method in hydrogen atmosphere. 375876
Sidorkin, V.A.
Source and detector of a potassium neutral beam. (KFTI – 75-19) 377338
Sidorov, G. I.
Some physical studies on the BFS-1 fast critical assemblies. 360971
Sidorov, L.N.
Mass spectrometric investigation into inorganic complex molecules and stability of BeF_3, AlF_4, FeF_4. 369702
Sidorov, L.V.
Angular and energy distributions of ^{252}Cf spontaneous fission neutrons depending on mass and kinetic energy of fragments. (INIS-mf – 3896) 356910
Sidorov, N.V.
Extra-furnace decarbonization of metal for vacuum induction smelting. 375764
Sidorov, P.M.
Synthesis and crystal structure of $CdNd_4[SiO_4]_3O$. 359693
Sidorov, S.K.
Critical neutron scattering in invar iron-nickel alloys. 368844
Effect of magnetic anisotropy on temperature dependence of magnetization of some compounds of the RCo_5 type. 349458
Sidorov, V.A.
Method of absolute calibration of beam energy and storage rings. Mass measurement of a PHI meson. (JINR-D – 1,2-9342) 357947
Radiative polarization of beams in the VEPP-2M storage. (JINR-D – 1,2-9342) 357972
Sidorov, V.P.
Design of the R-03 experimental thermonuclear facility with plasma active control by means of feedbacks and HF fields. (INIS-mf – 3954) 364187
Sidorov, V.S.
Technique for calculating two-dimensional temperature distribution in a cylindrical block. (ITEF – 20) 357897
Sidorov, V.T.
CAMAC system for data readout from various groups of modules. (JINR-R – 10-9056) 350382
Data exchange with M-6000 or HP-2116 computers by means of a CAMAC controller. 376735
Organization of the CAMAC system for data readout from different groups of blocks. 361094
Sidorova, I.K.
Plasma heating in the process of parametric turbulence near the lower hybrid frequency. (SFTI – 5) 350827
Sidorova, L.P.
On the effect of solid on hydrogen yield during radiolysis of water vapors by Co^{60} γ-quanta. 362251
Radiation grafting of monomers polymerized only by the ion mechanism. 375691
Sidorova, S.N.
Integral functions of dissolution of sodium metaborate in water at temperature not over 300 deg. 351550
Sidorova, T.N.
Amorphization of quartz monocrystal irradiated by fast neutrons. 370134
Sidorova, V.I.
Cherenkov counters in antitritium search experiment. (JINR – 13-9318) 361067
Sidorovich, V.A.
Comparison of experimental and calculated by the Born approximation excitation cross sections of Li^*, Be^{+2}; B^{+3} and C^4 ions in collisions with He and Ar atoms. (INIS-mf – 3915) 348739
Sidorski, Z.
Copper adsorption on the (112) face of tungsten. 370007
Sidzhimov, B.
Choice of criteria for precise estimation of the detectable level in determining small activites. 350297
Sie, S.H.
Measurement of lifetimes for high spin states in ^{152}Sm, ^{154}Gd and ^{156}Gd by the Doppler broadened lineshape method. 367005
Recoil-distance lifetime measurements of the ground-state band in ^{164}Dy, ^{170}Er and ^{174}Yb. 356880, 362105

Yrast cascades in sup(174,175)W and ^{161}Yb and a possible dipole component. (ANU-P – 687) 356845
Siebeneck, H.
Resonant optical schlieren system for plasma flow studies. 350942
Sieber, G.
The low-temperature thermopower of Frenkel defects in aluminium. 365245
Siebert, H.W.
Measurement of the $(K^+ \rightarrow \pi^0 \mu^+ \gamma)/(K^+ \rightarrow \pi^0 e^+ \gamma)$ branching ratio. 356509
Sieczkowski, F.
Immunological aspects of ionizing radiations. 354769
Siedeck, M.
Results of functional scintigraphy of liver and biliary tract with sup(99m)Tc-labelled IDA-derivates. (INIS-mf – 4010) 370457
Sieder, W.
Wire strain gauges. (German (F.R.) patent document 2550669/A/) 366055
Siefart, E.
Calculation of the hyperfinestructure and gsub(J)-values of the 3d 4s 4p-configuration of scandium. 371679
Siegel, A.
Ba + HCl → BaCl + H. Energy dependence of the BaCl product population distribution. 377116
Siegel, B.A.
Cerebrospinal fluid kinetics in normal human volunteers via radionuclide imaging and mathematical modelling. 354952
Siegel, E.A.
Control rod and/or instrument tree assembly. (US patent document 4,045,283/A/) 374186
Siegel, G.
State and tendencies of chemical protection against ionizing radiation. (SAAS – 221) 365398
Siegel, M.W.
Experimental cross sections for the production of O_3^+, O_2^+, and O^+ from ozone by low energy electron bombardment. 368704
Siegel, N.
External proton beam lines and the splitter systems of the CERN SPS. 363215
Siegel, R.T.
Radiative muon capture in calcium. 351365
Siegel, R.W.
Electron and positron densities and the temperature dependence of the positron lifetime in a vacancy in aluminum. 373201
Theory of the temperature dependence of positron bulk lifetimes-implications for vacancy formation enthalpy measurements via positron experiments. (CONF-761027 – 26) 377127
Siegers, A.
Foreign uranium-exploration and -mining companies in the United States of America. 362587
Siegers, M.P.
Distribution of trace element organs of mice of different inbred strains. 369571
Siegert, A.J.F.
Comments on renormalization group series. 376942
Siegert, G.
Design and working principles of the Lohengrin mass separator for fission products at the high flux reactor in Grenoble. 358320
Experimental beta-decay energies of short-lived light fission products. 375207
Experiments with fission products at the Lohengrin mass separator. 354261
Further developments with glass detectors for heavy ions and fission fragments. 368287
Siegmann, E.R.
Behavior of carbide fuel in local and whole core accidents. (CONF-761001 – P3) 365987
Safety aspects of carbide irradiations in FTR driver positions. 379288
Siegmann, H.C.
Electron spectroscopy study on Gd/Fe alloy films. 370070
Siegmon, G.
The dependence of the mass identification scale on different track formation models. 360122
Siegrist, J.
D meson production and decay in e^+e^- annihilation at 4.03 and 4.41 GeV c.m. energy. 353989
K^0 production in e^+e^- annihilation. 353983
Siegrist, M.R.
On the generation of high flux densities within absorbing plasmas due to self-focussing of a laser beam. 374817
Siegrist, P.
Amplitudes and exchange mechanisms for K^* resonances produced by the reactions $K^+p \rightarrow K^{*0}{}^{++}p$ at 10 GeV/c. 356488
Siejka, D.
Induction of mutations in antibiotic-producing microorganisms by fast neutrons from the U-120 cyclotron. 367471
Sieke, H.
Method and equipment for the testing of workpieces, machines, materials, raw materials etc. (German (F.R.) patent document 2558943/A/) 358023
Siekierzynski, M.
Isotope investigation of the fluid flow in a continuous peritoneal dialysis in a rabbit. 367625
Sielczynska, M.
Comparative evaluation of the levels of metallothionein-like proteins, cadmium and zinc in the liver and kidneys of rats. 367630
Sielemann, R.
$^{12}C + {}^{18}O \rightarrow {}^{8}Be + {}^{22}Ne$ reaction. (RLO/1388 – 362) 372707
Isomeric quasiparticle states in ^{174}Hf. (RLO/1388 – 362) 372715
Observation of gross structures in the gamma ray yields following the $^{16}O + {}^{12}C$ reaction. (RLO/1388 – 362) 372706
Siemann, R.
Beam modulator for an electron linac. 363329
Siemaszko, M.
Hauser-Feshbach cross-section calculations for elastic and inelastic scattering of alpha particles-program CORA. (INP – 865/PL) 374525
Siemens, P.J.
Forces between heavy nuclei in the independent-particle model. 354074
Pion condensation and abnormal nuclear matter. 354055
Siemiarczuk, T.
Asymmetry in the angular distributions of spectator-nucleons. (JINR-E – 1-9814) 377778
On the two-nucleon enhancement associated with high momentum tail of the spectator in the deuteron break up. (JINR-D – 1,2-9342) 356479
Siemion, I.Z.
Non-gaseous radiolysis products of 6-aminopenicillanic acid and potassium salt of benzylepenicillin. 354419
Siemon, R.E.
Experiments on end-loss phenomena and material end plugs in a 5-M linear theta pinch. (INIS-mf – 3963) 353589
Siemssen, R.H.
The $^{116}Sn(d,t)^{115}Sn$ reaction and the investigation of deeply bound hole states in the cold-A tin isotopes. 356921
Four-nucleon pickup from ^{64}Zn and ^{64}Ni. 372762
Proton hole states in ^{114}Cd excited in the $^{115}In(d,{}^3He)^{114}Cd$ reaction at Esub(d) = 50 MeV. 356776
Sieniawski, J.
Isomeric states in 97-100 Rh isotopes. 354264
Sienicki, J.J.
Comparison of the EPIC and PLUTO computer codes for TOP conditions. 352276
Sienkiewicz, A.
Influence of uniaxial stress on EPR spectrum in $CdF_2:Eu^{2+}$. 377294
Sienko, M.J.
Anomalous electrical and magnetic properties of vanadium diselenide (metallic behavior). 351852
Siepe, W.
Morphological changes on the urinary bladder wall of the rabbit after Argon laser radiation. 352037
Sierawski, D.A.
Special uses of silicone elastomers in nuclear power plant systems. 374167
Sierk, A.J.
Effect of the finite range of the nuclear force on the dynamics of fission and heavy-ion collisions. 364720
Hydrodynamical calculations of heavy-ion collisions. (LA-UR – 77-1965) 361951
Modified-surface-energy methods for deriving heavy-ion potentials. (LA-UR – 77-2393) 369449
Sieso, Victor
Tomato volatile components: enzymatic formation of trans-2-hexenal. 354959
Sievering, N.F. Jr.
International co-operation in the supply of nuclear fuel and fuel cycle services. 368502
Sievers, A.J.
Far-infrared absorption in ultrafine N particles. 356360
Sievers, P.
Target stations and beam dumps for the CERN SPS. 363268
Sieverts, E.G.
Electron paramagnetic resonance of new defects in heavily phosphorus-doped silicon after electron irradiation. 370217
Siewczynski, G.
Calculation of nonstationary thermodynamical processes in a WWER-440 type PWR nuclear power plant unit. 355399
PRESTO – a computer code system for calculating shields of cylindrical and spherical gamma sources. 372574
Siewers, H.
Comparison of coarse-mesh methods for benchmark and realistic reactor problems. 350120
Siewers, H.O.
Uranium content and exploitability of Black Sea sediments. 370257
Siewert, C.E.
The effect of anisotropic scattering on the critical slab problem in neutron transport theory using a synthetic kernel. 354015
Flux-depression factors for scattering and absorbing media. 374140
Half-space analysis basic to the linearized Boltzmann equation. (IEA – 468) 350779
Neutron transport in two dissimilar media anisotropic scattering. (IEA – 414) 354002
On the inverse problem in transport theory. (IEA – 479) 350780
Sifferlen, R.
Improvements in the consistency of fabrication and the reliability of nuclear fuels through quality assurance. 376447
Siffert, P.
Channelling effects for 15 GeV/c negative pions. 377798
Defects introduced in silicon by irradiation with muons of GeV energy. 370200
Energy deposition profiles of heavy ions in silicon. (CRN-CNPA – 77-6) 353259
Energy loss of 2-15 GeV/c particles in Si and Ge single crystals with a comparison to existing theory. (INIS-mf – 3996) 364005
Spatial distributions of energy deposited by heavy ions into nuclear

collisions. (INIS-mf – 3996) 366416
Terrestrial silicon P-N junction solar cells obtained by ionic-implantation. (CRN-CNPA – 77-7) 355559
Sigaev, G.I.
Nonisothermal relaxation of exthernal electric fields of ceramic dielectrics irradiated by electrons. 373330
Sigaev, V.N.
Structure of quartz glass according to the data of neutron diffraction and narrow-angle x-ray scattering. Fast neutron irradiation effects on short-range order. 378814
Sigal, G.P.
Spectral evolution of the Nova Oygni 1975. 361736
Sigalov, Yu.M.
Structure and mechanical properties of hot rolled bands of the KhN56VMTYu heat resisting alloy. 351813
Sigaud, J.
Analysis of dynamic effects in fission of ^{240}Pu at low energies. (INIS-mf – 3896) 356643
Analysis of experimental data on neutron reaction on carbon for the energy range to 20 MeV. (INIS-mf – 3897) 356779
Elastic and inelastic scattering of fast neutrons by even isotopes of silenium. (INIS-mf – 3897) 356815
Study on the (n, n' γ) reaction for even isotopes of selenium and germanium. (INIS-mf – 3897) 356881
Sigaut, J.
The nuclear deformation of ^{148}, ^{15}+H0, ^{152}, ^{154}Sm determined from neutron scattering measurement. (INIS-mf – 3897) 356876
Sigel, G.H. Jr.
Effect of ionizing radiation on the optical attenuation in polymer-clad silica fiber-optic waveguides. 370156
Sigel, R.
Angle-dependent reflectance of laser-produced plasmas. 371869
Reflection losses from laser-produced plasmas. 374820
Sigelmann, R.A.
Computer-aided design of ultrasonic transducers. (INIS-mf – 4127) 364117
Sigg, B.
Comparison of power series solutions to the stationary monoenergetic neutron transport equation for slabs. 366912
Sigmar, D.J.
Anomalous alpha particle transport in fusion plasma. (INIS-mf – 3963) 353632
Anomalous alpha particle transport in thermonuclear tokamak plasma. (ORNL/TM – 6027) 372025
Progress in equilibrium and transport theory of the flux conserving tokamak. (INIS-mf – 3963) 372024
Proposal for a major modification to the ISX tokamak to study equilibrium and stability of externally heated high β plasmas in noncircular geometry. (ORNL/TM – 5985) 364254
Sigmon, T.W.
Influence of ^{16}O, ^{12}C, ^{14}N, and noble gases on the crystallization of amorphous Si layers. 360101
Reordering of amorphous layers of Si implanted with ^{31}P, ^{75}As, and ^{11}B ions. 360070
Sigmund, P.
Classical scattering of charged particles by molecules. 355920
Energy degradation in elastic-collision spikes. (INIS-mf – 3996) 363983
Penetration of charged particles through ordered isotropic matter. (INIS-mf – 4033) 353360
Penetration of heavy charged particles through ordered isotropic media. (INIS-mf – 3996) 364635
Signarbieux, C.
Neutron-multiplicity in deep inelastic collisions: 365 MeV Cu+Au system. 356855
Signorelli, R.A.
Effect of angleplying and matrix enhancement on impact-resistant boron/aluminum composites. (N – 76-33293) 362516
Signorini, C.
A Ksup(π)=4$^-$ rotational band in ^{48}V. 356838
A plunger device for in-beam measurements of nuclear lifetimes. 363553
The XTU tandem of the Laboratori Nazionali di Legnaro (Padova). 357988
Sigrist, A.
Investigations on the formation of tracks in crystals. 360123
Sigrist, R.
Non-equilibrium method for the radioimmunoassay of clozapine in the presence of metabolites. 376192
Sigurdson, G.
$\pi^-p \rightarrow X^0n$, $X^0 \rightarrow 2\gamma$ reaction at 15 and 40 GeV/c momenta. 369345
Sigurdsson, G.
Measurement of $\pi^-p \rightarrow \pi^0n$ at large momentum transfer. 372503
Observation of a meson $X \rightarrow 2\gamma$, with mass 2.85 GeV/c^2, produced in the charge-exchange reaction $\pi^-p \rightarrow Xn$ at 40 Gev/c. 377780
Study of the reaction $K^-p \rightarrow$anti K^0n at momenta of 25 and 40 GeV/c. 356482
Sih, G.C.
Fracture mechanics and technology. Volume 1. 369887, 370054, 370152
Fracture mechanics and technology. Volume 2. 370808, 371215, 371248
Sijbring, J.
The QMG/2 magnetic spectrograph and its focal plane detector. (INIS-mf – 4267) 379877
Sikanen, P.
Assessment of fat content of liver by a photon scattering technique. 357705
Sikivie, P.
Quark and lepton assignments in the E_7 model. 359315
Sikka, V.K.
Influence of laboratory annealing on tensile properties and design stress intensity limits for Type 304 stainless steel. (CONF-771120 – 17) 373270
Mechanical property characterization in support of elevated temperature reactor design. 373321
Metallographic study of ferrite → sigma transformation using ferromagnetic colloid, microprobe analysis, and color etching. (CONF-760731 – 7) 351750
Overview of the U.S. programs on properties of primary circuit materials. (CONF-771052 – 2) 371012
Substructures developed during creep and cyclic tests of type 304 stainless steel (heat 9T2796). (ORNL – 5293) 362465
Sikl, D.
Labelling of Candida albicans and its behaviour in the organism. 373696
Sikora, D.I.
Experiments on the water-oil contact repulsion on a model of a well using $C^{13}(\gamma,n)C^{12}$ reaction. (KIYI – 76-19) 349642
Sikorska, M.
Incorporation of ^{14}C glucose into glycogen and glucose-6-phosphate dehydrogenase activity in rat brain following carbon monoxide intoxication. 373689
Sikorski, J.
Chromosphere of F, G, K type stars. Pt. 1. One-component models. 372174
Sikorski, S.
Technetium-99m-labeled N-(2,6-dimethylphenylcarbamoylmethyl) iminodiacetic acid (/sup 99m/Tc HIDA): a new radiopharmaceutical for hepatobiliary imaging studies. 373687
Sikov, M.R.
Deposition and retention of inhaled $^{239}PuO_2$ aerosols in new born and adult rats. (BNWL – 2100(Pt.1)) 360345
Disposition of ^{85}Kr in gravid rats. (BNWL – 2100(Pt.1)) 360297
Effects of ^{239}Pu administered at 9 days of gestation on hematologic development of the rat. (BNWL – 2100(Pt.1)) 360320
Late effects of ^{239}Pu administered at representative stages of gestation. (BNWL – 2100(Pt.1)) 360296
Mobilization of plutonium burdens during pregnancy. (BNWL – 2100(Pt.1)) 360316
Preliminary studies in sheep exposed to ^{85}Kr atmospheres. (BNWL – 2100(Pt.1)) 360298
Strain differences in the embryotoxicity of ^{239}Pu. (BNWL – 2100(Pt.1)) 360344
Sil'nov, S.M.
Study in ion composition on a plasma produced by CO_2 laser radiation. 370736
Silady, F.A.
Assessment of HTGR accident consequences. 365517
Primary coolant system response to an HTGR core heatup. (GA-A – 14277) 367748
Silaev, A.A.
Samarkand complex facility for study on extensive air showers at the energy > $2x10^{14}$ eV. 363581
Some characteristics of nuclear interactions on the basis of study on extensive air showers. 361708
Silaev, A.F.
Low-temperature transformation in nichromes. 375893
Silaev, E.A.
Amplifier-discriminator for magnetostrictive spark chambers. (JINR – 13-9288) 350375
Shaper-amplifier for proportional chambers. 371146
Silaeva, T.Yu.
Effect of taurine on the insuline secretion isolated by the pancreatic tissue of intact and irradiated rats. 370341
Participation of taurine in the reduction of hypercorticism effects after irradiation. 373546
Silakova, V.G.
Optimization of conditions for spectral analysis of solution dry residues in magnetically stabilized arc discharge. 372840
Silant'ev, N.A.
Polarization of X radiation from magnetized accretion disk. 369084
Silant'ev, V.I.
Study of cesium adsorption on molybdenum and tungsten. 350826
Silant'eva, O.V.
Some specific features of thermoionic emission of lithium niobates. 377291
Silar, J.
Temperature effect on the energy resolution and energy threshold of NaI(Tl) scintillation detectors. (INIS-mf – 4143) 374360
Silas, E.G.
Application of carbon isotope technique in fishery research in the seas around India. 349814
Silbaugh, S.A.
Removal of inhaled radioactive particles by lung lavage. 354862
Silber, M.L.
Magnetic behavior of current-carrying type-II superconducting cylinders. (IS-T – 751) 377699
Silberberg, R.
Comparison of methods for calculating cross sections at high energies in astrophysics. 372665
Cross sections for (p, xn) reactions, and astrophysical applications. 372664
Silberring, J.
Methodologic problems concerned with estimation of gastrin by RIA. 373761
Silberstein, R.P.
Magnetic phase-dependent Raman scattering in EuS and EuSe.

360029
Silbert, M.G.
Equation-of-state experiments in the pressure region near 20 megabars. (LA-UR – 77-1900) 357316
Fission cross section of ^{249}Bk between 0.7 and 3.0 MeV. 351419
Performance of electrical contact pins near a nuclear explosion. (LA – 6946-MS) 367939
Silence, W.L.
Cast thermally stable high temperature nickel-base alloys and casting made therefrom. (US patent document 4,043,810/A/) 369848
Silevitch, M.B.
Eigenmode description of the hot ion cyclotron beam-whistler mode instability in parallel shock waves. 350856
Silich, L.M.
Infrared spectra of glasses of $BaO-SrO-Al_2O_3-TiO_2-SiO_2$ system. 359585
Structure and properties of high-aluminous non-alkali silicate glass with high content of titanium. 378219
Siliger, D.
Elastic and inelastic scattering of 3.4 MeV neutrons on Na, Mg, Al, Si, P, V, Mn, Fe, Co, Pb and Bi isotopes. 378036
Silin, A.P.
Dielectric electron-hole liquid in semiconductor. 356058
Electron-hole liquid in layered semiconductors. 374656
Silin, I.N.
Information exchange of the user's job with the terminal in the 'Dubna' operating system for the BESM-6 computer. (JINR-R – 11-10617) 376856
Silin, V.A.
Study on temperature regimes of a tube wall in heat removal by water of supercritical pressure. 370703
Silin, V.P.
Fluctuations of plasmons localized in a plasma by a pumping electromagnetic wave. 374858
Generation of the 3/2ωsub(o) harmonic of the neodymium laser radiation on heating of spherical targets. 377337
Neutron scattering by quantum magnetic excitations in normal and ferromagnetic metals. 368864
Plasma parametric resonance in the non-monochromatic pump-wave. (INIS-mf – 3963) 371714
Silina, E.K.
Luminescence tracks in a semiconductor under two-photon excitation by ultrashort light pulses. 368795
Spectrochronograph for studies into kinetics of semiconductor luminescence. 348777
Silina, N.V.
High hardness of alloyed ferrite after nitriding. 369982
Silk, J.
Correlation function for density perturbations in an expanding universe. I. Linear theory. 359127, 372217
Graphite grain surface reactions in interstellar and protostellar environments. 359051
Silk, J.K.
Study of x-ray imaging systems for the 10 to 100 keV energy range. Final report, June 15, 1976 – March 12, 1977. (COO – 4000-1) 359017
Silkin, N.I.
Joint EPR and optical investigations of Cd^+ and Zn^+ ions in CaF_2 crystals. (INIS-mf – 3955) 362159
Silkina, E.S.
Filler wire for welding of high-tensile titanium alloys. 369864
Sill, C.W.
Simultaneous determination of ^{238}U, ^{234}U, ^{230}Th, ^{226}Ra, and ^{210}Pb in uranium ores, dusts, and mill tailings. 364912
Sills, H.
In-reactor measurement of fuel-to-sheath heat transfer coefficients between UO_2 and stainless steel. (AECL – 5400) 360839
Silva, A.G. da
Mounting and testing of a 'sandwich' type neutron spectrometer with semiconductor detectors and ^{6}Li. (INIS-mf – 4100) 366019
Silva, C.E.T.G. da
Spectral density of surface states: clean W brace001brace surface. 374742
Silva, M.E.F.
Nonlinear interaction between a lower hybrid wave and the electron cyclotron instability. (INIS-mf – 3963) 371772
Statistics of amplitude and time-intervals associated with sequences of electron cyclotron bursts. (INIS-mf – 3963) 371771
Silva, P.R.P.
About the α-β phase transition of the solid nitrogen. 363991
Microscopy model for ferroelectric transitions. 363841
Silva, R.J.
A gas-jet recoil-transport system for fission products and its application to a continuous chemical separation procedure in the gas phase. 367152
Mass asymmetry and total-kinetic-energy release in the spontaneous fission of ^{262}[105]. 369464
Production, L x-ray identification, and decay of the nuclide ^{260}105. 364745
Search for superheavy elements in the bombardment of ^{248}Cm with ^{48}Ca. 351372
Silveira, E.F. da
^{16}O induced reactions on ^{116}Sn at 64 MeV. 356820
Silveira, H.V. da
Application of the first approximation of the K-harmonics method to the O^+ states of ^{16}O. (IFT – 257/77) 364644
Silvennoinen, P.
Availability of computer codes for fuel management analyses. 352451
Economic considerations of plutonium utilization in the nuclear power strategy of Finland. 368453
Prospects for small nuclear heating reactors in Finland. 376810
Silver, A.
Modification of the method of polarized orbitals for electron-alkali scattering: calculation of e-Li. 376974
Silver, D.W.
Size consistency in the dilute helium gas electronic structure. 371474
Silver, E.G.
Precise measurement and analysis of neutron transmission through ^{238}U. 356851
Silver, E.H.
OSO-8 X-ray polarimeter and Bragg crystal spectrometer observations. 369174
Silver, G.L.
Dissolution techniques. (MLM – 2462) 373033
Non-euclidean simplex optimization. (MLM – 2427) 356977
Silver, J.D.
Improved light collection from fast atomic beams. 350361
Silver, L.
Visualization of a bullet track on brain imaging. Case report. 360384
Silver, L.T.
Lead-isotope inhomogeneity in Precambrian igneous K-feldspars. 349643
Silver, M.
Recombination controlled photocurrents. (INIS-mf – 4127) 364118
Silver, R.S.
Irreversible thermodynamics of the steady state with uniform disequilibrium. 353151
Silvera, I.F.
The anomalous far infrared absorption spectrum of solid paradeuterium in the orientationally order state. 355999
Silverblatt, B.L.
Emergency core cooling system for a nuclear reactor. (US patent document 4,064,002/A/) 379235
Silverman, A.
Electroproduction of phi mesons. 359337
Silverman, K.B.
Neutral injection beam power monitor. (PPPL – 1407) 377537
Silverman, P.J.
Surface scattering of MeV He^+ ions from Si and W single crystals. 368775
Silverman, S.
Principles of operation and data reduction techniques for the loft drag disc turbine transducer. (TREE-NUREG – 1109) 374283
Silverstone, H.J.
Theory of the ionization of the hydrogen atom by an external electrostatic field. 358856
Silverstone, S.M.
Radiation as a cause of breast cancer. 379078
Silvester, D.J.
^{111}In labelled autologous leukocytes in man. (INIS-mf – 4010) 367632
Cyclotron production of medically useful radionuclides. (INIS-mf – 4010) 357120
Distribution and circulation of ^{111}In labelled lymphocytes in man. (INIS-mf – 4010) 367616
Indium-111-labeled autologous leukocytes in man. 373694
Silvester, L.F.
Thermodynamics of electrolytes. 8. High-temperature properties, including enthalpy and heat capacity, with application to sodium chloride. 364993
Silvestre-Brac, B.
Real and complex boson expansions in even-even deformed nuclei. 354109
Silvestrini, V.
Description and performance of MEA, the magnetic detector at ADONE. 379480
Silvi, M.
The filament-corona transition region from OSO-VI EUV observations. 372150
Sim, K.S.
Heavy ion reaction studies at medium-mass nuclei: I. Quasi-elastic processes. (LYCEN – 7702(pt.2)) 369500
The onset of friction in heavy ion transfer reactions. (CRN-PN – 77-16) 369499
The onset of friction in heavy-ion transfer reactions. 362084
Simak, V.
Annihilation cross-section and duality diagrams. 353906
Annihilation cross-section and multiplicity distribution. 353992
Charge asymmetry at large psub(T) in inelastic anti pp reactions at 22.4 GeV/c. 353943
Inclusive spectra in anti pp interactions at 22.4 GeV/c. 353941
Multiplicities and forward-backward correlations in anti pp interactions at 22.4 GeV/c. 366882
Transverse momenta correlations in annihilations at 5.7 GeV/c. 366885
Simakhin, Yu.F.
Determination of boron in natural waters using neutron-activation method. 364928
Simakhin, Yu.V.
Determination of gold in the production wastes from the reaction (γ,γ') in nuclear reactor. 356978
Simakin, G.A.
Complexometric determination of trivalent rare earths and actinides with diethylene-triaminepentaacetic acid. 367059
Redox potentials of the Bk(4)-Bk(3) pair. 369747, 369762, 369763

Simakov, A.S.
On the calculation of magnet characteristics of thoroidal field coils. (INIS-mf – 3954) 361627
Simakov, E.A.
Comparative evaluation of the action of γ-rays and accelerated electrons on the growth and development of potatoes. 379003
Local changes in electron-irradiated potato tubers. 379002
Siman, N.I.
Adsorption energy of Cs and K on the surface of refractory carbides. 349570
Simane, C.
Development of the Joint Institute for Nuclear Research. 368503
Simanek, E.
Biannual report on theoretical aspects of superconductor behavior. (UCR – 34P233X1) 351132
Order parameter of inhomogenous superconductors. 351133
Simanova, S.A.
On state of platinum metals in solutions during chlorination of alloys, oxides and sulfides containing nickel. 351565
Simantov, R.
Enkephalin: radioimmunoassay and radioreceptor assay in morphine dependent rats. 362807
Simao, F.R.A.
Double Regge model for non diffractive A_1 production. (CBPF – A0028/77) 350562
Simard, Georges
Carbon 14 and tritium measurements of groundwaters in the Eaton River basin and in the Mirabel area, Quebec. 360181
Simashkevich, A.V.
Investigation of luminescence in ZnSe-CdTe and ZnSe-ZnTe heterojunctions. 371600
Sime, D.G.
Structure of the solar wind inferred from interplanetary scintillations. 372267
Simenog, I.V.
On asymptotics of the solution of the stationary nonlinear Hartree equation. 371435
Simerka, I.
Safety and reliability of nuclear power plant operation. Part 2. 349899
Simic, M.G.
Mechanisms of inter- and intra-molecular electron transfer in cytochromes. 357562
Simic, V.
Thin film interdiffusion of Au-Zn and Au-Cd at room temperature. 369999
Simion, G.
Determination of aquifer interconnections by use of tritium in the Turt-Bai region. 379419
Simion, V.
Investigation of the accuracy that can be obtained in the thermal neutron flux determination. 356532
Proton scattering on ^{238}U and the probable isobaric analogue resonances. 356579
Resonances analog to parent states in continuum. 356707
Simionescu, A.
Effects of cobalt-60 gamma-irradiation in association with prostaglandin E_1 treatment on the cyclic AMP levels of some radiosensitive tissues. 367510
Simister, D.N.
Gamma ray spectroscopy in ^{54}Zn – levels below 3.1 MeV in excitation. 369509
Lifetimes in ^{61}Ni measured by the recoil distance technique. 351425
Nuclear spectroscopy in ^{63}Zn: states below 1.5 MeV. 369496
Simkin, D.
Spectroscopic study of gamma irradiated $KMgF_3:Co^{2+}$ single crystals. 357400
Simkin, V.G.
KORAN spectrometer on the IBR-30 reactor. (JINR – 14-9486) 355530
Simkova, M.
Application of activation analysis in assessing corrosion properties of steel. (INIS-mf – 4143) 372889
Simm, K.J.
The 400 GeV super proton-synchrotron. 365758
Simmonds, J.R.
Doses from krypton-85 in the gas liquefaction industry. 355051
Simmons, E.L.
Cross-section sensitivity analyses for a Tokamak Experimental Power Reactor. (LA – 6942-MS) 366625
Nuclear design sensitivity analysis for a fusion reactor. 364250
Simmons, J.M.
US advanced LMFBR fuels development program. 379807
Simmons, R.L.
FFTF training program. 358314
Simmons, R.O.
Annual progress report. (COO – 1195-408) 351134
Simmons, W.W.
Performance of Argus as a laser fusion facility. (UCRL – 79816) 368994
Simms, R.
Results of recent TOP and LOF experiments in TREAT. (CONF-761001 – P4) 363007
Simnad, M.
International nuclear planning and manpower requirements. (ANL – 77-XX-62) 363430
Public education and acceptance of nuclear power. 352294
Simoda, Mahiro
The luminosity function for globular clusters, 3: M92. 348994
Simola, K.
Plutonium in Baltic sediments. (CONF-770409 – 10) 367411
Simon, A.
Nonlinear saturation of two unstable modes; survival competition. 364251
Simon, B.
Bound states of weakly coupled long-range one-dimensional quantum Hamiltonians. 371344
Formation of negative ions in magnetic fields. 366316
Geometric methods in multiparticle quantum systems. 353152
Simon, G.
Study on gamma spectra of prefission in the ^{239} Pu (n,γf) reaction induced by resonance neutrons. (INIS-mf – 3896) 356905
Study on the (n, γf) reaction for neutron-induced fission of ^{241}Pu. (INIS-mf – 3896) 356882
Simon, H.
Determination of the liquid scintillation counting efficiency of ^{3}H and/or ^{14}C labelled samples independently of the degree of colour and/or chemical quenching. 355494
Regional myocardial perfusion and contractability in ischaemic regions. (INIS-mf – 4010) 362818
Simon, J.
Comparative study of ^{99}Tcsup(m)-pertechnetate and ^{131}I-iodoantipyrine in the determination of bone blood flow. 373690
Non-linear equations and covariance. 371373
Simon, M.J.
Structure elucidation of S-oxidized metabolites of 1-(4-isopropylthiophenyl)-2-N, octylaminopropanol (Suloctidil®) by means of deuterium labeling and mass spectrometry. 357651
Simon, N.
Radiation as a cause of breast cancer. 379078
Simon, N.R.
On broadened definitions of instability for stars in thermal imbalance. 366757
Resonance effects and the Cepheid "bump mass" anomaly. 364409
Simon, R.H.
Gas-cooled fast reactor safety. 371049
GCFR Program in the United States. 379808
Simon, R.S.
Coulomb excitation of deformed nuclei using very heavy ions. (ZfK – 336) 364750
Determination of γ softness in ^{192} ^{194} ^{196}Pt from Coulomb excitation with ^{136}Xe projectiles. 364800
Experimental study of Yb nuclei at high angular momentum. 356883
Recoil distance investigation of yrast states in ^{158}Dy. (ZfK – 336) 364749
Simon, W.
Heat exchanger configuration for a closed gas circuit, e.g. of a heat power plant. (German (F.R.) patent document 2328556/A/) 355414
Simone, F.
On the formvar vibrational spectrum by electron tunneling. 363972
Simone, G.
The induction of β-galactosidase and tryptophanase in X-irradiated E. coli and B/r. 365360
Simonen, E.P.
Effect of helium on void formation in nickel. 357404
Simonen, T.C.
Properties of electrostatic ion-cyclotron waves in a mirror machine. 366646
Simonet, Guy
Procedure for processing a mixture of air and rare gases and especially radioactive mixtures. 359599
Simonetta, R.
Italian experience with pilot reprocessing plants. 367190
Simonetti, E.
Co-sputtered optical films. 348826
Simoni, A.
Q-dynamical systems and constants of motion. 353117
Simoni, L.
Automatic analysis of BEBC pictures using the flying spot digitizer. 355497
Simonin, R.
Dual isotope scintiscanning (iodine and selenomethionine). Detection of thyroid cancer in aged patients. 354960
Simonis, J.C.
Prototype vibration measurement results for B and W's 177-fuel assembly, two-loop plant. (BAW – 10039(Suppl.1)) 365898
Simonius, M.
Exchange current contributions to parity violating electric transitions revisited. 372666
Simonnet, Gerard
Radioactivity measurement using liquid scintillation counters. 361056
Simonov, A.J.
Surface plasma oscillations in layer metal particles. 353461
Simonov, B.B.
A study of inelastic pion-nucleus interactions at 200 GeV/c in an emulsion. 356481
Simonov, L.N.
Extraction of metal complexes with naphthyl- and benzyl bismuthol. 369607
Simonov, M.A.
Crystal structure of chkalovite Ge-analoque, $Na_2Be(Ge_2O_6)$. 349215
Crystal structure of Na,Cd-ammonium diorthophosphate $(NH_4)Na_2Cd_4[P_2O_7]_2Cl$. 362185
On crystal structures of Na_2ZnSiO_4 and Na_2BeSiO_4. 351566
On crystal structures of natural rhodonite $CaMn_4[Si_5O_{15}]$ and synthetic $NaHCd_4[Ge_5O_{15}]$ and $LiHCd_4[Ge_5O_{15}]$. 357066

Synthesis and crystal structure of $CdNd_4[SiO_4]_3O$. 359693
Simonov, V.D.
Gamma spectrometric study of WWER type spent fuel assemblies. 368140
A method for optimum composition of fuel loads in a WWER type reactor. 374218
Optimum modes of power control in a power plant reactor. 374188
Simonov, Yu.A.
On pseudoresonances: nonresonant Argand loops. 353035
The single-scattering contribution to πD elastic scattering at low and intermediate energies. 362052
Spectrum of states in a resonance – particle system. 353153
Two remarks about the computation of nuclear matter energy in the hyperspherical basis. 354052
Unitarity relationship and phase shift analysis in a resonance-particle system. 356460
Simonov, Yu.N.
High-voltage pulse generator for wire spark chambers. (IFVE-PEF – 75-130) 361077, 363616
Performance study of spark wire chambers in extreme regimes. 371145
Simonova, L.N.
Extraction-atomic absorption-determination of some heavy metals after their concentration by benzyl bismuthol in cyclohexanone. (INIS-mf – 4191) 375233
Simonova, M.V.
Investigation and perspectives of use of new solid electrolytes. (INIS-mf – 4189) 375503
Simonovic, J.
Alpha autoradiography by cellulose nitrate layer. 368322
Simons, A.L.
Nonlinear self-modulation of ion-acoustic waves. (IPPJ – 289) 366561
Simons, C.G.H.
Measurements of the inelastic rotational collision cross-section of CsF on several atoms and molecules. (INIS-mf – 3940) 348688
Simons, D.G.
Comparison of theoretical models for the electronic stopping power of low-velocity heavy ions. 351258
Simons, D.J.
Characteristics of late-time striations observed during operation stress. (LA-UR – 77-2835) 378951
Simons, G.G.
Scintillation spectrometer system for measuring fast-neutron spectra in beam geometry. (ANL – 77-58) 363541
Simons, L.
Measurement of muon polarization in excited states of muonic atoms. 376955
Measurements on light antiprotonic atoms. 376976
Pion absorption by ^{3}He. 377963
Study on antiprotonic atoms of light nuclei and isotopes. 371523
Simons, L.M.
High-spin states and neutron multiplicities after pion capture in ^{181}Ta and ^{209}Bi. (INIS-mf – 4267) 377966
Measurement of the circular polarization of muonic Ksub(α) X-rays in Se and Pd. 361330
Simons, M.D.
Induced mutations for tolerance of oats to crown rust. 373733
Simons, R.L.
Damage correlation in theory and practice. (HEDL-SA – 1144-A) 363395
Simons, S.
On the diffusion of dust through a gas in a force field. 366301
Simons, W.H.
Dynamics of a particle attracted by a magnetized wire. 350523
Simony, P.R.
Generalized Coulomb-projected Born-approximation cross sections for atomic excitation by charged-particle impact. 363925
Simonyan, Kh.A.
On the possibility of simultaneous extraction of particles along several beam lines at the Yerevan synchrotron. (EFI – 176(22)-(76)) 350050
Simonyan, N.V.
Certain aspects of LHR study of bacteria. 378978
LHR in Escherichia coli B following UV-irradiation. 357567
Simonyi, M.
Isotope effect in hydogen atom abstraction from substituted phenols by polyvinyl acetate radicals in vinyl acetate. 351567
Simopoulou, E.
Study of the planarity in K⁻p reactions at 8.25 GeV/c. 369379
Simova, G.
A study of the possibilities for dry decontamination of surfaces with some trivial cleaning agents. 367819
Simpson, A.E.
Quantitative (p,x) analysis of iron and minor elements in biological material. 356979
Simpson, D.E.
LMFBR accident consequences assessment. (HEDL-SA – 1241) 379300
Resolution of key safety-related issues in FFTF regulatory review. (CONF-761001 – P2) 365604
Safety considerations in fast reactor fuel development. 371050
Simpson, G.
Selective deficiency of thymus-derived lymphocytes in experimental pyelonephritis. 360267
Simpson, G.G.
Development of a fluidized-bed calciner and past-treatment processes for solidification of commercial fuel-reprocessing liquid wastes. (ICP – 1136) 380023
Simpson, H.C.
The international scene. 371054
Non-equilibrium effects in transient two-phase flow. 376317
PWR refill studies. 376531
Simpson, H.J.
The flux of ^{226}Ra from estuarine and continental shelf sediments. 378896
Plutonium and cesium radionuclides in the Hudson River estuary. Annual technical progress report, December 1, 1976 – November 30, 1977. (COO – 2529-3) 357520
Simpson, J.A.
Age of the galactic cosmic rays derived from the abundance of ^{10}Be. 369397
Simpson, J.J.
Decay of the compound nucleus ^{74}Kr formed in the reaction ^{16}O + ^{58}Ni. 354265
Simpson, J.W.
Experience in the transfer of nuclear techology. 352607
Simpson, L.A.
Application of the potential-drop method to measurements of hydrogen-induced sub-critical crack growth in zirconium-2.5 wt% niobium. (AECL – 5815) 363373
Simpson, M.A.
Mode coupling in the solar corona. 372219
Simpson, R.E.
Radioactivity: radionuclides in foods. 378163
Simpson, R.P.
Controlled weld-pool solidification structure and resultant properties with yttrium inoculation of Ti – 6Al – 6V – 2Sn welds. 357235
Sims, H.E.
Linear energy transfer (LET) effects in the radiation-induced inactivation of papain. 357135
Sims, J.S.
Upper and lower bounds for the oscillator strength of the x ^{1}Σsub(g)⁺-c ^{1}PIsub(u) transition of the hydrogen molecule. 348733
Sims, L.B.
Model calculations of heavy atom isotope effects for E2 and E1cB dehydrochlorination of 1,1-diaryl-2,2-dichloroethanes. 359591
Model calculations of hydrogen-deuterium isotope effects for E2 and E1cB dehydrochlorinations of 1,1-diaryl-2,2-dichlorethanes. 357003
Sims, R.N.
Two nodal methods for solving time-dependent group diffusion equations. 376418
Sims, T.M.
Heat transfer calculations for the High Flux Isotope Reactor (HFIR). Technical specifications: bases for safety limits and limiting safety system settings. (ORNL/TM – 5844) 366183
Sin'ko, A.V.
Density and viscosity of LiF – YF_3, LiF – LaF_3 melts. 369593
Sin'kovskij, A.S.
Thermochemical treatment of boron carbide. 375803, 375934
Sinaev, A.N.
CAMAC device for data readout from the ferrite core matrices of wire spark chambers. 376750
CAMAC system for data readout from various groups of modules. (JINR-R – 10-9056) 350382
CAMAC-system for calibration and control of experimental apparatus with scintillation counters. (JINR-R – 10-10890) 379931
Converter of a binary code into a binary-decimal one. 371183
Data exchange with M-6000 or HP-2116 computers by means of a CAMAC controller. 376735
Organization of the CAMAC system for data readout from different groups of blocks. 361094
Sinanyan, L.G.
Magnetic properties of some terbium alloys with a CsCl structure. 374669
On magnetic properties of some intermetallic cobalt compounds with d-metals. 369966
Sinavichyus, Ch.I.
Transverse stream-lining of an tube cluster at low Re's in heat transfer process. (INIS-mf – 3957) 363110
Sinchenko, N.M.
Effect of preliminary loading on the strength of the EhLN-1 alloy. 375856
Sinclair, A.C.E.
Acoustic emission analysis for the surveillance of pressurised components. 365787
Multi-channel acoustic emission surveillance of a pressure vessel during proof test. (IWGFR – 10) 363405
Sinclair, I.
An experimental determination of the retention of submicron particles in fibrous materials. 360523
Sinclair, R.
Discussion of an electron diffraction study of short-range order in quenched Ni_4Mo alloy. 362468
Lattice imaging of the B19 ordering transformation and interfacial structures in Mg_3Cd. 362457
Structure of ordered alloys. (LBL – 6654) 373271
Sindhu, H.S.
In situ repair work on calandria tube inserts – RAPP II. 379717
Sine, L.
Use of radioactive methods in surface and ground hydrology. 378897
Sinechek, V.
Synthesis preparation of monocrystals and study of the properties of the $InSbSe_3$ and $InSbS_3$ compounds. 369632

Sinegribova, O.A.
Investigation of europium extraction with Zr- and Hf-salts of some organic phosphorus acids. 359758
Sinel'nikov, M.I.
On changes in austenite dislocational structure during hot deformation by rolling. 375894
Possibilities of enhancing the rolling quality in the course of deformation of high-alloy steel ingots on the roughing mill. 375794
Sinel'nikov, M.Yu.
Nuclear-geophysical methods of testing for lead and barium in natural bedding. 376017
Sineokij, A.P.
Use of statistic classification method for lithologic separation of rocks from complex geophysical measurements. 378853
Sinev, N.B.
Composition and properties of cosmic radiation on mountain altitudes. 361668
Device for automatic data processing of ionization measurements made by multilayer detectors. 371080
Sinfailam, A.L.
The low energy scattering of electrons from atomic helium using the R-matrix method. 368611
Sinfailam, L.
Scattering of charged particles by OH at thermal energies in HI regions. 353375
Sing, M.
Prediction and measurement results of radiation damage to CMOS devices on board spacecraft. (N – 77-19162) 363632
Singer, C.E.
Microinstabilities in a moderately inhomogeneous plasma. 351084
Onset of microinstability and its consequences in the solar wind. 351083
Singer, H.J.
Evidence for the control of Pc 3,4 magnetic pulsations by the solar wind velocity. 360210
Singer, J.
Application of track detectors in the national personnel neutron dosimetry service. 379352
Detector of short-lived radon daughters. 379952
Development of a personal neutron dosemeter based on a track detector. 371133
Dose equivalent measurement of intermediate and fast neutrons and energy dependence calibration by moderated Cf fission spectrum. 379386
Treatment of blastic transformation of chronic granulocytic leukemia by chemotherapy, total body irradiation and infusion of cryopreserved autologous marrow. 373563
Singer, J.R.
Blood flow imaging with nuclear magnetic resonance. 379152
Singer, M.
Gauge boson mixing in an SU(3) x U(1) theory. 353842
Singer, M.N.
Comparison of the line-reversed channels p-barp $\rightarrow \pi^-\pi^+$ and $\pi^+p \rightarrow p\pi^+$ at 6 GeV/c. 351232
Measurement of the line-reversed reactions p-barp $\rightarrow \pi^-$rho$^+$ and $\pi^-p \rightarrow$ prho$^-$ at 6 GeV/c. 369376
Singer, R.
High energy antineutrino-proton interactions. (ANL-HEP-CP – 77-35) 361898
One-, two-, and three-particle distributions in pp collisions at 205 GeV/c. 372529
Study of the reaction $\nu n \rightarrow \mu^-p$. (ANL-HEP-CP – 77-36) 361899
Singer, R.M.
Experimental study of whole core thermal-hydraulic phenomena in EBR-II. 355484
Singer, S.
Alignment system for large high-power CO_2 laser fusion systems. (LA-UR – 77-1923) 364169
Singer, W.
Diurnal, seasonal and solar-cycle variations of electron densities in the ionospheric D- and E-regions. 354702
Singh, A.
Comparison of /sup 99m/Tc methylene diphosphonate with /sup 99m/Tc pyrophosphate in the detection of acute myocardial infarction: concise communication. 352127
Reactions in spurs: mechanisms of hydrated electron formation in radiolysis of water. 357179
Report on international conference on singlet oxygen and related species in chemistry and biology. 362283
Singh, A.K.
Effect of alloying elements in plain carbon steels. 371619
Moessbauer studies of natural goethite and bog iron ore. 371680
Ovarian ^{32}P uptake in the homoplastic hypophysectomized catfish, Heteropneustes fossilis as an end point for gonadotropin bioassay. 354870
Spectrophotometric determination of Fe(II), Co(II), Fu(III) and Ir(III) with 5-nitroso-2,4, 6-triaminopyrimidine. 349188
Singh, Ajit
Effect of pH 5 enzyme from liver on the protein synthesis by mammary gland subcellular fractions in vitro. 352128
Singh, B.
A coincidence study of the decay of 35.8y sup(150m)Eu. 354266
Levels in ^{146}Nd populated by the β^- decay of 24 min ^{146}Pr. 356901
Particle balance in a picket fence ion source. (INIS-mf – 3963) 371487
Singh, Bikram
sup(99m)Tc-Sn-glucose complex : a renal scanning agent. 367146
Tcsup(99m)-labelled radiopharmaceuticals for renal scintigraphy. 349336
Singh, D.
High-dose characteristic of LiF and $Li_2B_4O_7$ thermoluminescent dosimeters. 379867
Singh, D.R.
Mutagenic action of non-ionizing radiations: its implication in radiation protection. 370327
Singh, Devender
Spectrophotometric study of uranyl complexes with 4-methyl- and 4-phenyl-daphnetins. 349292
Singh, Dinesh
Characteristics of guided waves in moving anisotropic semiconductor plasma. 366478
Non-convective instability in two stream solid state plasma. 366468
Slow wave modes in transversely magnetised plasma. 366479
Singh, G.
Charged particle multiplicity in 400 GeV/c p-nucleus interactions in nuclear emulsion. 372498
Singh, H.
Report on international conference on singlet oxygen and related species in chemistry and biology. 362283
Role of offshore nuclear power plants. 358546
Shielding for the variable energy cyclotron at Calcutta. 361938
Singh, H.B.
Spectrophotometric study of uranyl complexes with 4-methyl- and 4-phenyl-daphnetins. 349292
Singh, I.D.
Infra-red spectrum and normal coordinate analysis of tungsten trioxide. 374609
Singh, I.J.
Precipitation of radio ruthenium with hydrous manganese dioxide. 367147
Singh, J.
Complexes of 5-chloro-2-hydroxy-4-methyl acetophenone oxime with palladium(II), copper(II), nickel(II), cobalt(II), vanadyl(II), iron(III), uranyl(II) and molybdenyl(II). 375644
Investigations of the possibility to use organic gadolinium compounds for HTR shutdown. 370984
Method of operating a nuclear power plant with closed working-gas circuit and nuclear power plant for applying the method. (German (F.R.) patent document 2526147/A/) 355659
Recent findings on reflector design in HTR reactors. 370985
Uranium and thorium resources and development of techniques and equipment for their prospection. 365300
Singh, J.B.
Charged particle multiplicity in 400 GeV/c p-nucleus interactions in nuclear emulsion. 372498
Singh, J.P.
Synthesis and use of aluminium antimonate as an ion-exchanger. 354367
Singh, Jaspal
Effect of pH 5 enzyme from liver on the protein synthesis by mammary gland subcellular fractions in vitro. 352128
Singh, Joginder
Dielectric matrix, dynamical matrix and phonon dispersion in hcp transition metal scandium. 366469
Singh, K.K.
Propagation of spherical magnetogasdynamic shock in a radiative gas. 366482
Singh, L.N.
Further observations on incorporation of the ^{14}C-leucine into proteins by freshly secreted milk. 360387
Incorporation of DL(1-^{14}C)-leucine into muscle proteins in buffalo calves and its response to exogenous insulin. 352133
Singh, L.P.
Quark additivity and magnetic moments of charmed hadrons. 351194
Singh, L.P.S.
Interacting Rarita-Schwinger field on the light front. 358684
Singh, L.R.
Effect of simulated high altitude on red cell membrane permeability as revealed by influx of ^{86}Rb and ^{22}Na. 349812
Singh, M.
Coincidence electronics for the circular ring transaxial positron camera. 379872
Instability of Sn(II) reagents to oxidation and hydrolysis: stabilization with ascorbic and erythrobic acid. (INIS-mf – 4010) 369726
Uptake of phosphorus from applied $Ca(H_2PO_4)_2$ and Na_3PO_4 by Dhaincha (Sesbania aculeata Pers.) in relation to exchangeable sodium in soil. 376162
Singh, M.M.
Sulphoxide compounds of ruthenium. 369600
Singh, M.V.
sup(99m)Tc-Sn-glucose complex : a renal scanning agent. 367146
Tcsup(99m)-labelled radiopharmaceuticals for renal scintigraphy. 349336
Singh, Mangal
Complexes of uranium(IV) and thorium(IV) with thiophene-2-carboxylic acid. 351568
Singh, Mukhtar
Effect of temperature on the rate of coagulation of ferric tellurate, chromium tellurate and vanadium pentoxide hydrosols by viscometric technique. 367127
Singh, N.
The constant in the Kruskal-Bernstein theory of runaway rates in plasmas. 356159
Singh, Natthi
Dielectric matrix, dynamical matrix and phonon dispersion in hcp transition metal scandium. 366469

Singh, O.P.
Experimental and theoretical analysis of power noise in BWR reactors. 370878
Singh, P.N.
Tunnelling across a potential barrier. 353147
Singh, R.
Optical model analysis of the fast neutron differential elastic scattering and total cross sections of Pr 141. 375137
Singh, R.J.
Setting up of a facility for the recovery and storage of californium-252 from a capsule. (BARC – 905) 373012
Singh, R.N.
Creep behavior of mixed-carbide advanced nuclear fuel. 378776
Equilibrium index for fission gas bubbles. 352495
Singh, R.P.
Effect of gamma rays and 2, 4-D on ovule, female gametophyte, seed and fruit development in Guizotia abyssinica. 376087
Electronic band structure of beryllium and β-cerium. 366454
Solvent extraction and spectrophotometric determination of Ru(III), Rh(III) and Pd(II) using 1-(2'-pyridylazo)-2-phenanthrol. 349163
Spectrophotometric determination of Fe(II), Co(II), Fu(III) and Ir(III) with 5-nitroso-2,4, 6-triaminopyrimidine. 349188
Studies with inorganic ion exchange membranes – a membrane selective to strontium ion. 367088
Singh, R.S.
Gamma ray streaming through annular cylindrical duct. 361936
Neutron transport studies in fast reactor shields. 363532
Singh, Rajinder
Complexes of uranium(IV) and thorium(IV) with thiophene-2-carboxylic acid. 351568
Singh, Rashpal
Complexes of uranium(IV) and thorium(IV) with thiophene-2-carboxylic acid. 351568
Singh, Rita
Changes in incorporation of ^{3}H-uridine into RNA and ^{3}H-phenylalanine into protein in epididymis, ductus deferns and ventral deferns and ventral prostate of intact albino rat during postnatal development. 367642
Singh, S.
Charged particle multiplicity in 400 GeV/c p-nucleus interactions in nuclear emulsion. 372498
Thermodynamics stability constants of praseodymium(III), neodymium(III), and samarium(III) with tyrosine. 351558
Singh, S.N.
Uranium and thorium resources and development of techniques and equipment for their prospection. 365300
Singh, S.P.
Increase of the electrical resistance of thin aluminium film due to 14 MeV neutron irradiation. 370122
Unpaired electron and plasmon in x-ray kβ emission spectra of MnO and MnO_2. 350781
Singh, T.P.
Ovarian ^{32}P uptake in the homoplastic hypophysectomized catfish. Heteropneustes fossilis as an end point for gonadotropin bioassay. 354870
Singh, Tarlok
Measuring the extent of seepage losses occuring from unlined channels. 370277
Singh, U.B.
In vivo estimation of the rate of production of rumen bacteria in buffalo calves. 354898
Influence of type of ration on the growth rate and carcass quality of young goat. 352112
Measurement of the rate of production of bacteria in the rumen of buffalo calves using ^{14}C Str. Bovis. 352132
Singh, U.N.
Capture cross section measurements of Pr and Kr. (BNL-NCS – 22500) 356757
Neutron total and capture cross section measurements on fission produce Pd. (BNL-NCS – 22500) 356884
Singh, V.P.
Debye-Waller factors of BCC transition metals. 371659
Singh, Z.
The vaporization thermodynamics of uranium tetrachloride. 369703
Singhal, R.P.
Configuration analysis of the 6.0 MeV 4^{+} state in ^{24}Mg. 369450
An experimental and theoretical study of the low-lying states of ^{15}N. 366915
Folding of proton size in nuclear structure calculations. 372667
Singhal, S.C.
Phase relations and stability studies in the $Si_3N_4 – SiO_2 – Y_2O_3$ pseudoternary system. 357365
Singhal, S.P.
Spinodal decomposition in amorphous Au-implanted Pt. 370218
Singhvi, A.K.
Dilute impurity hyperfine fields. 371669
Singru, R.M.
Moessbauer spectroscopic studies of the ternary alloys Fe-Zr-C and Fe-Ni-Zr. 366434
Systematics of the electron momentum distributions in some 3d transition metals. 364046
Sinha Ray, M.K.
Long-term planning for management of aqueous wastes from fuel reprocessing plants. 358537
Sinha, A.
Lorentz transformations for gauge theory monopole solutions. (CU-TP – 100) 361855
Lorentz transformations for gauge-theory monopole solutions. 371436
Sinha, A.J.W.
The fate of prostaglandin A_1-17,18-^{3} in the dog. 379117
Sinha, A.K.
Properties of plasma oxidized GaAs films. 368754
Sinha, A.P.B.
Isotope effect and correlation factor for the diffusion of cadmium in silver. 371565
Sinha, B.
Experimental photoionization cross sections of gamma ray photons for low, medium, and high Z atoms. 361945
Measurement of angular distribution of incoherently scattered gamma rays from atoms. 361946
Nuclear friction and the imaginary part of the nucleus-nucleus interaction potential. 362022
Sinha, H.P.
Multi-ion forces in the lattice dynamics of terbium and holmium. 366480
Sinha, K.B.
Inelasticity effects in π π production in γ γ collisions. 372380
Sinha, K.K.
Estimate of the decay widths of scalar mesons (epsilon-epsilon') connection between meson-meson sigma terms and the phenomenology of scalar meson decays. 372486
Integrated planning for a fuel industry, with emphasis on the minimum size appropriate for fabricating one's own fuel. 365829
Sinha, K.P.
Orbit perturbation theory of beam-plasma instability. 366542
Radiation induced enhancement of superconductivity. 375004
Strong gravity, black holes, and hadrons. 372487
Sinha, M.
Effect of an electron beam on pump-driven quasi-modes. 372027
Magnetosonic waves in the presence of a lower hybrid turbulence and plasma heating. 372026
Sinha, M.K.
Effect of chelating agents on the kinetics of diffusion of zinc to a simulated root system and its uptake by wheat. 354677
Labile pool and selective distribution of zinc in soils. 362792
Sinha, M.S.
A study of the restricted energy loss by ionisation of relativistic muons in helium and argon in the momentum range 3-200 GeV/c. 351212
Sinha, R.K.
A microwave study of heat treatment effects in ceramic CdS pellets. 375577
Sinha, S.K.
$^{14}CO_2$-fixation and nitrate reductase activity in vivo in relation to hybrid vigour in maize. 367612
Physiological analysis of heterosis in Zea mays L. : Part II – respiration and acetate-2-^{14}C metabolism in the developing grains. 367626
Physiological analysis of heterosis in zea mays L. : Part III – sucrose uptake and utilization by developing grains. 367627
Theory of the temperature dependence of positron bulk lifetimes-implications for vacancy formation enthalpy measurements via positron experiments. (CONF-761027 – 26) 377127
Sinha, S.N.
D^{+}-D^{0} mass difference in the chiral SU(4) X SU(4) model with broken isospin symmetry. 356405
Sinha, Sima
Relative effectiveness of mutagens on amylase production in Aspergillus wentii. 373734
Sinhuber, D.
Extension of the maintenance cycle of HEPA filters by optimization of the technical characteristics of filters and their construction. 360491
A new look at the economic disposal of contaminated aerosol filters. 360522
States and tendencies of German standards in the field of nuclear filter technology. 360501
Sinichkin, A.
In vivo labelling of acetyl-aspartyl peptides in mouse brain from intracranially and intracranially and intraperitoneally administered acetyl-L-[U-^{14}C]aspartate. 357624
Sinij, I.G.
Light birefringence in magnetically-ordered crystals. 353489
Sinis, V.P.
Photoelectric properties of silicon alloyed with indium. 368789
Sinitsa, V.V.
Application of R-matrix formalism for estimation of resonance cross sections of nuclei with medium atomic number. (INIS-mf – 4043) 366926
Sinitsin, N.M.
Synthesis and investigation into osmium and ruthenium triamminonitroso complexes. 349293
Sinitskij, O.N.
Elastic scattering, charge exchange and production of molecular ions on intersection of magnesium ion and atomic beams. (INIS-mf – 3915) 350343
Sinitsyjn, N.M.
Synthesis and investigation into diammine complexes of nitrosylosmium and nitrosylruthenium. 349294
Sinitsyn, A.A.
Stabilization of spectrometers energy scale by gamma reference point in sampling radioactive ores. 360167
Sinitsyn, A.Ya.
Consideration of well conditions in interpretation of gamma spectral logs. 360154
Continuous recording of uranium and thorium equivalent concentrations in gamma spectral logging. 360147
Electric computer for determination of U and Th concentrations

from gamma spectral data. 360148
Mine gamma spectrometer. 360143
Sinitsyn, B.I.
Experimental study on neutron field properties in a linear section of a sodium pipeline. (FEI – 596) 355255
Sinitsyn, B.V.
Experimental study of temperature fields into lanthanum trifluoride crystals growing by Czochralski method. 357055, 362206
Sinitsyn, O.B.
Technique for measuring the radioactivity of ^{239}U. (FEI – 501) 356767
Sinitsyn, S.I.
Controlled rolling of profiles. 375757
Sinjukov, Y.M.
On scaling solutions in the hydrodynamical theory of multiparticle production. 361806
Sink, D.A.
Conditioning of the vacuum vessel walls of tokamaks, a preliminary look. (WFPS-TME – 030) 372028
TFTR ultrahigh-vacuum pumping system incorporating mercury diffusion pumps. (WFPS-TME – 034) 372029
TFTR vacuum system considerations. (WFPS-TME – 021) 371920
Sinkevich, A.E.
Approximative theory of heat and mass transfer during condensation of a chemically reacting gase in a vertical tube. (INIS-mf – 3953) 379435
Sinman, A.
Experiments with a relativistic electron beam injected into a plasma. 372030
Sinn, H.
An efficient method for routine production of o-iodohippuric acid labelled with ^{131}I, ^{125}I or ^{123}I. 357121
Sinnott, T.
Reduction of particle end losses from linear magnetic fusion devices. 364252
Sinram
Elastic and inelastic scattering of neutrons by isotopes of molybdenum and zirconium. (BNL-NCS – 22500) 356833
Sinskey, A.J.
Experience at Deer Island with electron disinfection of sludge at high flow rates. (INIS-mf – 4220) 379416
Sintermann, R.
Radioimmunological determination of testosterone levels and binding capacity for testosterone in serum of patients with carcinoma of the prostate. (INIS-mf – 4010) 370495
Sintsova, I.T.
EPR-spectroscopic investigation of the valent state of Ti and Mn ions in the glass phase of 22KhS ceramics. 357364
Sinyakov, E.G.
The role of rafs age and the amount of plutonium administered in the osteosarcomogenesis in rats. 349791
Sinyakov, K.A.
Microkinetics of N24M5 steel martensite transformation. 369924
Sinyakova, N.V.
Microkinetics of N24M5 steel martensite transformation. 369924
Sinyapkin, Yu.T.
Measurement of plasma-focus x-radiation spectra with resolution in time. 374851
Sinyavskij, A.G.
Gamma-spectrometric study in Volgogradskoe Zavolzh'e. 365282
Sinyavskij, Eh.P.
Multiphonon optical transitions in intrinsic semiconductors. 364119
Sinyavskij, V.F.
Study on associated masses and dumping factors during vibrations of cylinders in viscous liquids. (FEI – 585) 365692
Sinyukov, Yu.M.
Relativistic quark model and electroproduction of nucleon resonances. 349061
Sinyutina, Z.M.
Rare earth complexes with 1,1'-dimethyl-2,2'-biimidazolyl. 369681
Siohan, F.
As estimation of the primary proton spectrum between 10^{12} and 10^{14} eV. 351256
Sionakides, G.
Tests of factorization from single- and double-pion production in 100-GeV/c p-antip and pp collisions. 351230
Sioshansi, P.
Question of pure or applied research in developing countries. 352825
Sipilae, Heikki
The principles of energy dispersive X-ray spectrometry using the proportional counter. 368323
Sipocz, T.
Microwave resonant cavity method for the investigation of the corona discharge. 366626
Sipp, B.
Impulse response of curved microchannel plate photomultipliers. (CRN-CNPA – 77-11) 355507
Sipp, J.R.
Vermont Yankee's radwaste system. 357816
Sippach, W.
Recent results from counter-spark chamber ν experiment at BNL. 353980
Siqueira, M.L. de
Calculation of the electronic structure and magnetic hyperfine contact terms of interstitial hydrogen in alkaline-earth fluorides. (PUC-TN – 18/75) 353477
Electronic structure, optical spectra and contact terms of the CoF_6^{4-} cluster in LiF. (PUC-TN – 19/75) 353393
Isometric displacement of the iron and ferricyanide ions by the multiple scattering method. 364026
Molecular subclusters theory. 363934
Study of the centers Cu^0, Cu^+ e Cu^{++} in KCl. 350701
Sirbu, M.
The determination of bulk alpha and beta radioactivity of natural substances. 378875
Sircar, P.
A microwave study of heat treatment effects in ceramic CdS pellets. 375577
Sire, J.
A study of the physical and chemical conditions required to determine vanadium in steels by atomic absorption spectrometry also allowing the determination for copper, chromium, nickel and manganese. 372927
Sirlin, A.
U(1) x SU(4)/sub L/ x SU(4)/sub R/-based weak-electromagnetic synthesis with manifest left-right symmetry. 366823
Sirodzhev, N.
Calculation of particle flux density spectrum in extensive air showers. 362610
Study on spatial distribution of muons in extensive air showers of different age. 362605
Sirota, A.M.
Experimental investigation into the maxima of water thermal conductivity in critical region. 349980
Sirota, M.
The effects of ultraviolet radiation on uracil derivatives. 370325
Sirota, M.I.
Crystal structure of Na,Cd-ammonium diorthophosphate $(NH_4)Na_2Cd_3[P_2O_7]_2Cl$. 362185
Sirota, N.N.
Effect of purity and alloying with transition elements on superconductivity of vanadium, niobium or vanadium-niobium alloys. 351808
Electric conductivity of germanium-plumbium-borate glasses. 349577
Maximum energy density in a proton track. 348853
Specific electrical resistance and parameters of electron-phonon interaction of vanadium-niobium-tantalum superconducting alloys. 351807
Structure of terbium, dysprosium and holmium alloys. 378734
Temperature dependence of electron scattering in irradiated and annealed germanium on cyclotron-resonance data. 374773
Temperature effect on the accumulation and properties of radiation damages in gallium arsenide under electron irradiation. 375955
Sirota, N.S.
Some biochemical characteristics of a toxic substance isolated from organs of lethally irradiated animals in the course of the intestinal syndrome. 362673
Sirotinin, A.N.
Semiconductor detectors for measuring alpha-radioactivity of liquids. 350295
Sirotinin, E.I.
Analysis of backscattering energy spectra and determination of energy loss of channelling particles. 371672
Proton scattering by ^{50}Cr and ^{52}Cr nuclei at Esub(p)approximately 6 MeV. 375200
Sirotinkin, S.P.
X-ray study of binary lithium praseodymium sulfate $LiPr(SO_4)_2$. 378401
Sirotkin, A.N.
Formation of tissue doses of ^{90}Sr and ^{137}Cs orally administered to calves and hens. 370412
Morphological and biochemical blood changes in cows chronically exposed to strontium-90. 349792
Sirotkin, G.D.
Preparation of strontium-nickel carbonates. 367065
Sirotkin, S.N.
Processes on metal surface during its electropolishing. 349291
Sirotyuk, O.S.
Decomposition of supersaturated solution of $KCl-SnCl_2$ in ionizing radiation field. 369783
Sirry, H.
Projected role of nuclear power in Egypt and problems encountered in implementing the first nuclear power plant. 371222
Siryuk, V.M.
Magnetic field effect on critical behaviour of $FeBO_3$ weak ferromagnet susceptibility. 374699
Siscoe, G.L.
The plasma experiment on the 1977 Voyager Mission. 374882
Sisefsky, J.
Debris in Sweden from the low-yield nuclear tests performed by the Peoples Republic of China on November 18, 1971 and January 7, 1972. (FOA-C – 40068) 376045
Siska, P.E.
Optical model and close-coupling analysis of He^* (2^1S) + Ne differential elastic scattering. 358828
Siskens, Th.J.
Transport coefficients for the cosmological fluid during the lepton era. 377652
Siskind, E.
Normalized small-y cross sections for neutrinos and antineutrinos at high energy. 359333
Rate of dimuon production from neutrinos and antineutrinos at high energy. 366880
Siskind, G.W.
Ontogeny of B lymphocyte function. IV. Kinetics of maturation of

B lymphocytes from fetal and neonatal mice when transferred into adult irradiated hosts. 373545
Sisler, J.A.
The USERDA transport R and D program for environment and safety. 350038
Sisson, C.E.
Estimates of relative areas for the disposal in bedded salt of LWR wastes from alternative fuel cycles. (SAND – 77-1816) 380054
Sisson, R.D. Jr.
Preparation and characterization of oxalate-based $^{237}NpO_2$ powder. 362307
Sistemich, K.
The β-decay of ^{100}Y: discovery of a very low lying 0^+ state in ^{100}Zr. 354219
Studies of ^{132}Sn and ^{133}Sb. (ZfK – 336) 364823
Sisterson, J.M.
Partial body calcium determination in bone by proton activation analysis. 349161
Sit'ko, S.I.
Semiconductor spectometer of current signal fronts. 358331
Sit'ko, S.P.
Technique for electronic collimation of DD-neutrons by means of Ge(Li) detector. 358332
Time-of-flight spectrometer in DD-neutron experiments. 379855
Sitaramayya, S.
Variation of uranium, thorium and potassium contents in the granitic rocks of Hyderabad, Andhra Pradesh; a preliminary study. 367382
Sitenko, A.
Plasma theory. 348963
Sitenko, A.G.
Electromagnetic fluctuations in a nonequilibrium plasma. 1. Wave nonlinear interaction and the stationar spectrum of fluctuations. (ITF – 76-10 – R) 374860
Electromagnetic fluctuations in nonequilibrium plasma. 2. Kinetic equation for waves and wave scattering in plasma. (ITF – 76-77-R) 374859
Nuclear diffraction processes with compound particles. (KFTI – 74-27) 354110
Sitenko, Yu.A.
Particle-like solution for SO(3) gauge field coupled to strong gravity. 371400
Sitenko, Yu.O.
Vacuum polarization and degeneracy of states in massless abelian gauge theory. 355809
Sites, J.R.
Deposition of oxides and nitrides by neutralized ion beam sputtering. 368878
Sitnik, I.M.
Use of the alphameric display of the VT-340 tape on-line with the BESM-4 computer. (JINR – 10-8833) 355610
Sitran, S.
Adducts of uranium tetrachloride with neutral Schiff bases. 357094
Sitte, K.
Results of the Torino search for quarks. 369362
Sitter, H.
Procedure for purifying a filter column. (German (F.R.) patent document 2513427/B/) 352395
Sitter, J. de
Moessbauer study of Ca^{2+}-containing magnetites. 371681
Sittkus, A.
A method for measurement of the Krypton-85- and Xenon-133-content in the atmosphere. 376036
Sitzlack, G.
Methods of establishing limits on discharge to the environment of radioactive material emerging from the fuel cycle. 367820
The system of training and further education in radiation protection in the GDR. 355680
Siu, M.
Off-center Cu^+ ions in RbCl and RbBr studied with ionic thermocurrents. (INIS-mf – 4127) 364120
Sivaram, A.
High temperature fluorescence of Dy^{3+}: LaF_3 single crystal: emission from G-level. 371532
Sivaram, C.
Strong gravity, black holes, and hadrons. 372487
Sivaramakrishnan, K.S.
Fabrication and post-irradiation examination of a zircaloy-2 clad UO_2-1.5 wt% PuO_2 fuel pin irradiated in PWL, CIRUS. (BARC – 918) 374178
Material surveillance programme of pressure vessel steels in India. (IAEA – 202) 376476
Sivashankar, S.
Effects of a highly purified antiserum to FSH on testicular function in immature rats. 367643
Sivers, D.
One-gluon-exchange quark scattering and large-p/sub T/ inclusive data. 359242
Whirlpools in the sea: Polarization of antiquarks in a spinning proton. 372387
Sivin, S.
Dependence between vibration amplitudes and internuclear distances. 349262
Sivinski, H.D.
Reactor waste utilization in sewage sludge treatment. 362647
Recent developments in Sandia Laboratories' sewage sludge irradiation program. (INIS-mf – 4220) 379412
Recent developments in the Sandia Laboratories' sewage sludge irradiation program. (SAND – 77-1411) 379413
Sivintsev, Yu.V.
Comparison of the effects of nuclear power plants and thermal power plants on the environment. 357833
Sivkova, A.V.
Accelerating tubes for the "Avrora" and "Electron" type high-voltage accelerators. (INIS-mf – 4194) 376385
Sivolap, B.S.
Equipment for experiments on study of properties characterizing acoustic emission. (IAE – 2620) 376747
Sivolap, V.E.
Viscosity of metal melts and electron-phonon interaction. 365161
Sivtsev, V.I.
Correlation between wave functions of many-electron atoms in various coupling schemes. 368666
Siwicki, H.
The effect of pulse losses in a scinticamera. 355550
Six, J.
Impact parameter analysis of the reaction $\pi^- p \rightarrow p\pi^+\pi^-$ at 9 and 12 GeV/c with very fast secondary proton. 356510
Sixel, P.
A study of direct and indirect pion production in $\pi^+ p$ interactions at 16 GeV/c. 377804
Sixt, G.
Minority carrier lifetime and defect structure in silicon after cesium implantation. 371682
Sixtus, E.
On the reactions of $Na_2[M_2(CO)_{10}]$ (M = Cr, Mo, W) mit GeX_4 und SnX_4 (X = Cl, Br, I). 359584
On the reactions of $Na_2[M_2(CO)_{10}]$ (M = Cr, Mo, W) with InX_3 (X = Cl, Br, I), and the crystal and molecular structure of $Cr(CO)_5InBr$ x THF. 359583
Siyag, R.S.
Uptake of phosphorus from applied $Ca(H_2PO_4)_2$ and Na_3PO_4 by Dhaincha (Sesbania aculeata Pers.) in relation to exchangeable sodium in soil. 376162
Sizareva, A.S.
Strontium borohydride preparation by means of exchange reaction in the presence of lithium borohydride. 359658
Sizikov, A.M.
Mechanism of accelerating effects of aluminium oxide and thallium (3) oxide on potassium nitrate and potassium perchlorate radiolysis. 369802
Radiolysis of potassium nitrate and potassium perchlorate in heterogeneous solid-phase systems. 373089
Sizmann, R.
Channeling – the lattice steering of swift charged particles through crystalline solids. 364121
Determination of the probability distribution of deuterium in metals by channeling. (INIS-mf – 3996) 363976
Light emission by swift He^+ ions after focusing and channeling interactions on a monocrystalline nickel surface. 371696
Spin polarization of electrons at oriented surfaces of ferromagnetic single crystals determined with electron capture spectroscopy. (INIS-mf – 3996) 366406
Sizonenko, V.L.
Convective excitation of quasistatic waves in an inhomogeneous anisotropic plasma. I. 368961
Drift wave excitation in the THETA-pinch high pressure plasma. (KFTI – 75-19) 377415
Sizov, I.V.
Angular distributions of gamma rays emitted in the analog decay of ^{61}Cu. 359502
Angular distributions of gamma rays from decay of ^{63}Cu analogs. 375186
Gamma decay of ^{59}Cu resonances. 375187
Sizova, G.D.
Conditions of growth and properties of residual conductivity of CdS films. 369686
Tempearture dependence of electric conductivity of CdS films with residual conductivity. 348835
Sizova, G.P.
A new highly efficient adsorbent for ultrahigh vacuum cryopumps. (KFTI – 76-21) 357393
On the problem of low-temperature air adsorption studies by the volume method. (KFTI – 75-10) 352383
Sjaastad, O.
Metabolism of histamine in myotonic dystrophy. 373625
Sjaastad, Oe.V.
Metabolism of histamine in myotonic dystrophy. 373625
Sjoblom, R.
Kinetic study of the reduction of neptunium (VII) and americium (VI) by bromide ion in aqueous perchlorate media. 365020
Sjoblom, R.K.
Fluorescence and excitation spectra of Bk^{3+}, Cf^{3+}, and Es^{3+} ions in single crystals of $LaCl_3$. (CONF-771039 – 6) 377037
Sjoeberg, B.
A small-angle X-ray investigation of the satellite tobacco necrosis virus. 376084
Sjoeberg, K.-H.
Iodine and common salt concentrations in urine from the inhabitants and employees at the Oskarshamn nuclear power plant. 354871
Sjoeberg, L.
Inconceivable events in handling material in a heavy mechanical engineering industry. (FTL – A16-71E) 379557
Sjoedin, S.
Self-motion and collective behaviour of classical one-component plasmas. 348964
Sjoestrand, N.G.
The influence of quadratic anisotropy on the decay constant of

monoenergetic neutron systems. 375085
Thermal neutron induced charged particle reactions on $^{58\ 59\ 61}$Ni. 351323
Sjoestroem, P.
The uptake of IgG and IgM coated sheep erythrocytes in perfused rabbit liver. 376154
Sjoquist, B.
Use of deuterium labeled catecholamine metabolites for mass fragmentographic analysis and turnover studies. 351455
Sjostrand, N.G.
Discrete neutron decay constants above the Corngold limit for infinite slabs. 352452
Sjovall, J.
Specific deuterium labeling and computerized gas chromatography – mass spectrometry in studies of the metabolism and turnover of steroid sulfates in pregnant women. 352083
Sjovall, K.
Specific deuterium labeling and computerized gas chromatography – mass spectrometry in studies of the metabolism and turnover of steroid sulfates in pregnant women. 352083
Sjuzev, V.N.
Investigation of the performance of uranium-plutonium mixed oxide fuel pins for the reactor BN-600. 355463
Skachek, G.V.
Multisection graphite calorimeter. 376625
Skachkov, N.B.
Asymptotic behaviour of hadron cross sections in the quark model with factorizability assumption. (JINR-R – 2-10490) 349077
Hypothesis of factorizability in the quark model and large-angle elastic scattering of hadrons. 369322
A new particle with the mass M = 1110 MeV and vector meson spectrum in the relativistic model of quark confinement. (JINR-D – 1,2-10400(v.1)) 377769
Skachkov, S.V.
System of pulsed magnetic commutation of a beam in the I-2 linear accelerator. (ITEF – 52) 376375
Skachkov, V.S.
System of pulsed magnetic commutation of a beam in the I-2 linear accelerator. (ITEF – 52) 376375
Usage of the I-2 linear accelerator in applied studies. (INIS-mf – 4194) 376353
Skagerstam, B.S.
The theta-model in quantum corrections to classical confinement. 372488
Skaggs, L.S.
Comparison of two independent methods for determining the neutron/gamma sensitivity of a dosemeter. 350340
Skaggs, S.R.
Melting point of yttria. (LA – 6757) 360030
Zero and low coefficient of thermal expansion polycrystalline oxides. (LA-UR – 77-1307) 351847, 362505
Skakodub, V.A.
Detektors of ionizing radiation on the bases of cadmium telluride. (INIS-mf – 3994) 379851
Timing properties study of serial coaxial Ge(Li) detectors of large volume. 371078
Skakov, Yu.A.
Stress effect on martensite tempering process. 349457
Skakun, E.A.
Isomeric ratio in the ^{197}Au(p,n)^{197}Hg reaction and a superconductivity model. (KFTI – 75-15) 359524
Skakun, N.A.
Lattice dislocation of lithium atoms implanted into cadmium sulfides. (INIS-mf – 3996) 364021
Spatial distribution of defects in silicon doped with lithium ions. (KFTI – 74-47) 353487
Skala, E.
Changes of the antiheparin activity of the blood plasma and lymph in dogs after total irradiation. 365388
Skala, K.
A method to calculate pressure waves in steam lines. 370923
Skalicky, A.
Gland system, especially for nuclear power plant circulation pumps. (Czechoslovak patent document 157423/B/) 350144
Skalka, R.J.
Analytical comparison of the irradiation behavior of fast reactor carbide and oxide fuel pins. 379796
Skanborg, P.Z.
Determination of lithium by instrumental neutron activation analysis. 369546
Skarestad, M.
Fast release of nuclear reaction products from refractory matrices. 378231
Nuclear spins and magnetic moments of some cesium isotopes. 372744
Skarnemark, G.
Decay properties of some neutron-rich cerium isotopes. 359459
Skaron, S.A.
Calculation of isotopic partition functions ratios by a perturbation theory technique. 2. Dissection of the isotope effect. 364994
Skarsgard, L.D.
Physical and radiobiological properties of the negative pi-meson beam at TRIUMF. 378979
Skavdahl, R.E.
US LMFBR coolant system components. 379809
Skavronskaya, A.G.
Intergeneric mating: transfer of polA gene from E. coli to S. typhimurium. 373501
Skears, J.
SOPHT: a computer model for CANDU-PHWR heat transport works and their control. 368049
Skiba, O.V.
Basic problems of fast-reactor fuel recovery. 367193
Decladding of BOR-60 and BR-5 fuel elements by clad melting. (NIIAR-P – 17(283)) 359840
Equilibrium constant of oxidation of plutonium trichloride solutions by gaseous chlorine in alkali metal chloride melts. (INIS-mf – 4193) 375658
Investigation into chlorination of uranium oxides in melts of alkali metal chlorides. (INIS-mf – 4193) 375606
On the interaction of uranium(6) and uranium(4) oxides with zirconium pyrophosphate in melts of alkali metal chlorides. Products of interaction (uranium phosphates). 369748
Pilot plant reprocessing of the BOR-60 spent uranium fuel by using fluoride volutility method. (IAEA-AG – 63-21) 362336
Reaction of certain fragment element oxides with zirconium phosphate in melt of alkali metal chlorides. (INIS-mf – 4193) 375495
Spectrophotometric method for investigation into thermodynamics of plutonium chloride solutions in alkali metal chloride melts. (INIS-mf – 4193) 378390
Study of the behaviour of high-active wastes from reprocessing of fast reactor fuel elements by the fluoride volatility method. (IAEA-AG – 63-23) 363646
Thermal decladding of BOR-60 fuel elements. (IAEA-AG – 63-16) 363489
Voltammetry of products form chlorination of dioxides of uranium, plutonium, americium and cerium with tetrachloromethane in the NaCl-KCl melt. (INIS-mf – 4189) 375622
Skiba, P.
The behavior of silver particles supported on graphite in various gaseous environments. 365215
Skibenko, A.I.
Determination of spatial distribution of plasma density pulsations on modulation of a reflected wave. 368990
Technique for plasma parameter measurement. (Soviet patent document 488124/A/) 353633
Skibenko, E.I.
On the solution of the vacuum problem for thermonuclear systems. 368939
To the solution of vacuum problem in thermonuclear facilities by cryogenic methods. (INIS-mf – 3954) 361527
Skibin, A.
Radioimmunoassay for antibodies to deoxyribonucleic acid (DNA). (IA – 1338) 365496
Skilinskas, S.
Galvano-magneto-recombination effects in ion-bombarded surface layers of semiconductors. (INIS-mf – 3996) 377270
Skinner, D.B.
The value of "high-count" ^{67}Ga-citrate scans in the staging of lung carcinoma. 354917
Skirda, V.D.
Current pulse generator for nmr measurements of self-diffusion by the pulse gradient method. 376736
Skirko, I.F.
Finite-particle approximations of a local field and the local saturation problem. 348624
Skitsky, R.Y.
Effect of prestrain on time and temperature dependence of the Kh18N10T steel strength. 365166
Skjeggestad, O.
Strange particle production by antineutrinos. 356505
Skjoeldebrand, R.
The IAEA nuclear power forecast for developing countries. 361150
Performance analysis of nuclear power plants from operating experience data. 358128
Sklad, P.S.
Effects of neutron irradiation on microstructure and mechanical properties of Nimonic PE-16. 357236
Skladnik-Sadowska, E.
Experimental studies of laser-produced plasmas within the spherical multipole trap. (INIS-mf – 3963) 371734
Sklezney, A.G.
Spectral-luminescent characteristics of Nd^{3+} in the $LaCl_3$-$NdCl_3$ system. (INIS-mf – 3955) 362169
Spectral-luminescent investigations of MeCl-$AlCl_3$-$NdCl_3$ systems (M = K, Cs). (INIS-mf – 3955) 362377
Sklizkov, G.V.
Calculation of the symmetry of spherical target irradiation in multichannel laser systems. 374816
Generation of the 3/2ωsub(o) harmonic of the neodymium laser radiation on heating of spherical targets. 377337
Investigation of compression of hollow microspheres irradiated by a laser. 348878
Laser thermonuclear installation 'Delfin'. (INIS-mf – 3963) 371740
Nuclear hybrid plant with laser fusion reactor. (INIS-mf – 3963) 353556
Observation of fast ions in laser-produced plasma. 369011
Power lasers for thermonuclear fusion. 350804
Skljankin, V.A.
Measurements in interplanetary space and in the Martian upper atmosphere with a hydrogen absorption-cell spectrophotometer for Lα-radiation on-board Mars 4 – 7 spaceprobes. 374293
Sklyankin, V.A.
Equipment for measuring X-ray emission of extraterrestrial sources. 374294
Sklyarenko, I.S.
Use of coulometry with potential scanning in analytical chemistry.

364913
Sklyarenko, V.D.
Spin flip probability of 6.9 MeV protons in inelastic scattering on ^{24}Mg. 378046
Sklyarevskij, V.V.
Observation of the suppression of a nuclear reaction in a direct γ=quantum beam. 368879
Sklyuev, P.V.
Effect of cooling rate and supercooling temperature on the impact strength and transition temperature of the 35KhNM and 34KhN3M steels. 378735
Skobelev, I.Y.
The observation of intercombination lines $1s3p\ ^3P_1 \rightarrow 1s^2\ ^1S_0$ of multicharged He-like ions in laser-produced plasmas. 358917
Skobelev, I.Yu.
Density-dependent lines of one- and two-electron ions in diagnostics of laboratory plasma. I. 366623
Skobelev, V.V.
Neutrino photoproduction on an electron in a strong magnetic field. 351085
Soft photon emission and the electron form factors in two-dimensional approximation of quantum electrodynamics. 376943
Skoblik, I.P.
Determination of plasma parameters by ion energy spectra. (KFTI – 77-1) 377583
Skoblik, M.N.
Determination of plasma parameters by ion energy spectra. (KFTI – 77-1) 377583
Skoblo, V.A.
Effect of gamma irradiation on activity of modified by metal ions aluminium silicate catalyst in cracking and polymerization reactions. 373090
Skoczek, K.
Silicon spectrometer with a Peltier refrigerator. 355503
Skoeld, K.
Inverted geometry TOF spectrometer at the ZING-P pulsed neutron source prototype. 355584
Skofronick, J.G.
Observation of orbiting resonances in the scattering of He+Ne. 350620
Total cross sections at subthermal energies. 358829, 377119
Skokan, A.
Influence of chemical reactions on the course and consequences of LWR core meltdown. 370570
The interaction of a core melt with concrete. (AED-Conf – 77-403-001) 370605
Reaction behaviour of reactor materials, including concrete during core meltdown. (AED-Conf – 76-699-010) 360449
Skolnikoff, E.B.
Relevance of Intelsat experience for organizational structure of multinational nuclear fuel facilities. 374512
Skolyszewski, J.
^{60}Co telegammatherapy technique used at the Institute of Oncology in Cracow in treatment of maxillary sinus planoepithelial carcinoma. 367835
^{60}Co telegammatherapy used at the Institute of Oncology in Cracow in treatment of oral planoepithelial carcinoma. 367834
Skomorokhov, A.O.
On some methods for solution of control and diagnostics problems of nuclear power plant accident states. (FEI – 588) 350179
On the problem of noise spectra classification in nuclear power plant operation diagnostics. (FEI – 658) 350101
Skomorokhov, V.B.
Automation facility a time-of-flight mass spectrometer for the study on dynamics of fast chemical reactions. 363618
Skomorokhova, T.N.
Metabolizm and acceleration of excretion of the inhaled americium-241. 357614
Skoneczny, J.
Assessment of thyroid function in patients with laryngeal carcinoma treated surgically and with radiotherapy. 373575
Skopik, D.M.
The reaction ^{7}Li(e,^{3}H)^{4}He,e' between 6 and 15 MeV. 356821
Skopp, G.
Simplified thermal transient and inelastic analysis screening methods per appendix T, Code Case 1592 for 2 1/4 Cr-1 Mo steel. 361003
Skorda, E.A.
Stem and stripe rust resistance in wheat induced by gamma rays and thermal neutrons. 373735
Skorik, N.A.
On ferronates of some two-charge cations. 359639
Skorikov, V.M.
Section of Bi_2O_3-$CdGeO_3$ in Bi_2O_3-CdO-GeO_2 system. 351511
Skorka, S.J.
Effect of misalignments of beam optical components. 357956
Tandem accelerators. 357995
Skorniewski, J.
Discussion of the preliminary radiological supervision programme at the site of the first Polish atomic power station at Zarnowiec. 355004
Skornik, K.
Problems of the environmental protection involved in the production and utilization of burned-up nuclear fuel. 355007
Skorobogat'ko, T.N.
Synthesis of double chromates of cerium subgroup rare earths and potassium from solutions and studying some of their properties. 359688
Skorobogatov, B.S.
Aluminium-yttrium garnet phonon spectrum. 361480
Phonon spectrum of aluminium-yttrium garnet. (INIS-mf – 3955) 377306
Temperature broadening of Nd^{3+} ion levels in crystals of aluminium-yttrium garnet. (INIS-mf – 3955) 377247
Skorobogatov, P.V.
On construction of wave functions in the A.Bohr's model. 1. 362023
Skorodumov, A.V.
About using the "action-angle" variables in the solution of some many-dimensional problems of scattering. (INIS-mf – 3915) 348672
Quasi-classical approximation for inelastic atom-molecular scattering amplitudes. 374612
Skorodumova, A.A.
Electron microscopy study of the structure of polycrystalline layers prepared on cadmium sulfide base. 356989
Skorokhod, O.R.
Complexing of metals with amines in the phase of ionite. (INIS-mf – 4188) 375578
Skorokhod, V.V.
Thermodynamic approach to the estimation of carbon and rhenium effect on stacking fault energy VA – VIA group metals. 349535
Skoropad, T.S.
The K_2WO_4-Cs_2WO_4-WO_3 system. 375446
Skoropanov, A.S.
Enthalpy of formation of melts in the indium-tin-bismuth-lead system. 378385
Formation enthalpy of melts in indium-bismuth-antimony system. 359711
Skorov, D.M.
An investigation of helium release from structural materials during heating. 360124
A method for determining the thermodynamic properties of reactor materials at elevated temperatures. 357246
Nickel alloys and stainless steels peeling during ion irradiation. (INIS-mf – 3954) 362557
Selection of material for thermonuclear reactors. (INIS-mf – 3954) 362421
Steels and nickel alloys sputtering during deuterium ion irradiation. (INIS-mf – 3954) 361422
Study on materials in cyclic temperature fields. (INIS-mf – 3954) 363374
Study on molybdenium and its alloys for thermonuclear reactors. (INIS-mf – 3954) 362547
Temperature dependence of erosion of vanadium and niobium alloys when irradiated with helium ions. 378801
Skorovarov, D.I.
Processing of uranium raw material abroad. Pt. 3. Palnts, acting on schemes of acidic leaching with sorption of uranium from pulps and on schemes of carbonate leaching. 357202
Skorupski, A.A.
Population inversions in high pressure lasers. 377538
Skosarev, V.A.
Telemechanic systems for T-10M thermonuclear facility injector. (INIS-mf – 3954) 361539
Skotnikov, S.A.
Investigation of pulse discharge using high-speed photorecorder. 359912
On the relation of metals erosion in sparks to properties of flux oxides. 359988
Skotnikov, V.V.
State special standard for bremsstrahlung energy flux unit in the range of maximum photon energy 0.8-8.0 pJ (5-50 MeV). 376263
Skoultchi, M.M.
Radiation polymerized hot melt pressure sensitive adhesives. (US patent document 4,052,527/A/) 373080
Skouras, L.D.
Effective three-body interaction in ^{93}Tc, ^{93}Mo, and ^{94}Ru. 359422
Skovorodin, I.N.
Automation facility a time-of-flight mass spectrometer for the study on dynamics of fast chemical reactions. 363618
Skowronski, A.
Application of the Estrofol foil as a fission track detector. 355585
Skrebkova, E.D.
Heterogeneous equilibrium in MoO_2-I_2 system. 359634
Skrebtsov, A.M.
Experiment on radioisotope application to investigation into technological processes of continuous steel casting and improvement of metal quality. 373146
Skrebtsov, G.P.
Alpha-sensor to check up nuclear radiation detectors and electronic circuits. (Soviet patent document 438957/A/) 355580
Light yield of CsJ(Tl) thin-film detectors. 371120
Small-size source of labelled alpha particles. 370682
Skrinichenko, M.L.
The radiometric enrichment of poor uranium ores. 365115
Skrinskij, A.N.
Method of absolute calibration of beam energy and storage rings. Mass measurement of a PHI meson. (JINR-D – 1,2-9342) 357947
Radiative polarization of beams in the VEPP-2M storage ring. 370769
Radiative polarization of beams in the VEPP-2M storage. (JINR-D – 1,2-9342) 357972
Use of synchrotron radiation from the VE PP-3 storage for x-ray structural analysis. (IAE – 2385) 350076
Skrinsky, A.N.
Radiative polarization: obtaining, control, using. 374058
Skripaleva, L.P.
Interaction between liquid magnesium and yttrium fluoride

dissolved in melt of sodium and calcium chlorides. (INIS-mf - 4187) 375413
Skripchenko, V.V.
Thermostatic regulation of an object in the magnetic field of a superconducting solenoid. (KFTI - 75-33) 355127
Skripin, G.V.
Study on the long-period variations of galactic cosmic ray distribution in the interplanetary magnetic field. 357538
Skripkina, P.A.
Superconductivity of fast condensed films. 377693
Skripko, G.A.
Two-photon excitation of luminescence in crystals of $CaF_2:Eu^{3+}$ and $CaF_2:Sm^{3+}$. 351569
Skripnikov, Yu.S.
Dielectric characteristics of solid solutions. (INIS-mf - 4189) 375490
Skripunov, V.N.
Pulse unipolar generator with a gas support of a rotor. (INIS-mf - 3954) 361494
Skrivankova, M.
Application of CdTe detectors in testing nuclear fuel enrichment. 368298
High purity germanium detectors. 350335
New advance in research of semiconductor detectors. 371134
Nondestructive determination of nuclear fuel enrichment by Ge(Li) spectrometer. 379946
Passivation of germanium detector surface. 371135
Skrivelis, Ya.P.
Determination of copper and rhodium trace amounts in niobates. (INIS-mf - 4188) 378146
Skrlac, W.J.
Energy distribution among reaction products. X. 353331
Skrobal, V.
Commercial activity meters for nuclear medicine - results of comparing instruments made by three companies. 379901
Skrotskij, G.V.
Dipole magnetic ordering in nuclear spin-systems. 348838
Skrupska, H.
Radiomimetic effect of herbicides on the progress of mitoses in pea (Pisum sativum) in comparison with those of chemomutagens and gamma rays. 373736
Skryabin, N.G.
On possible influence of cosmic rays on ozone content change in the stratosphere. 357548
Skryl', I.I.
Results of studies on the BPS-75 projector measuring regime. (JINR-R - 10-10642) 376604
Skrylev, L.D.
Some transition metal oxides as stabilizers of tributyl phosphate emulsions. 378402
Skrynchenko, Yu.M.
On the relation between the structure and wear resistance of tool steels. 375895
Skrypnik, A.V.
Uranium-238 films for targets. (JINR-R - 13-9783) 363111
Skrypnikov, V.I.
Ten years' operation experience of the Novovoronezh nuclear power plant. 368141
Skubenko, P.A.
Exciton observation in CdS subsurface thin layers. 374802
Skudnova, E.V.
The effect of radiation defects on the properties of the inversed on GaSb and Gasub(1-x)Insub(x)Sb diodes. 370121
Skuenieks, Ya.K.
Neutron activation determination of certain noble metals in glass with preliminary extraction separation. (INIS-mf - 4188) 375325
Skulanov, S.B.
Steels and nickel alloys sputtering during deuterium ion irradiation. (INIS-mf - 3954) 361422
Study on molybdenium and its alloys for thermonuclear reactors. (INIS-mf - 3954) 362547
Skulkin, N.N.
Reactivity change rate during the BOR-60 reactor core life. 358403
Skupa, J.
Transverse momenta correlations in annihilations at 5.7 GeV/c. 366885
Skupsky, S.
Energy loss of ions moving through high-density matter. 350943
Skura, J.
Λ and anti Λ production in K^+p interactions at 32 GeV/c. 372512
Skurikhina, M.M.
Effect of high- and low-polymeric DNA on DNA synthesis in some radiosensitive organs of irradiated animals. 370343
Skvazyvaev, V.E.
CaE-T zeolite - a new effective adsorber for vacuum technique. (KFTI - 75-10) 355132
Skvortsov, S.A.
Ways of improving the economic indices of nuclear power stations with light-water cooled and moderated reactors. 366154
Skvortsov, V.G.
Combined action of an ionizing radiation and light on peroxidase. 370323
Solubility and properties of liquid phases of the ammonium tetraborate-ammonium chromate-water system at 25 and 50 deg C. 362212
Skvortsov, V.I.
Connection pipe of a reactor charging machine. (Soviet patent document 392792/A/) 350129
Locking plug for a nuclear reactor channel. (Soviet patent document 377069/A/) 379549
Technique for a reactor charging machine guidance on a technology channel of a nuclear reactor. (Soviet patent document 392793/A/) 379443
Skwarczynski, B.
Application of nuclear technics in Polish coal mining industry. (INIS-mf - 4015) 373964
Skwirczynska, I.
Excitation functions for $^{24}Mg(\alpha,\alpha)^{24}Mg$ and $^{24}Mg(\alpha,p)^{27}Al$ reactions in the energy range of alpha particles from 23.05 to 28.55 MeV. (INP - 881/PL) 372805
Skygge, C.G.
BARSEBECK 1: commissioned on time. 358202
Slabospitskij, R.P.
Analysis of polarized-proton elastic scattering by ^9Be nuclei in the R-matrix theory frameworks. 362009
The calculation of energy spectra of primary knock-on atoms at the proton elastic scattering by the nuclei of different elements. (KFTI - 76-45) 377287
Comparison of the spectra of primary knock-on atoms produced by fast neutrons and ions. (KFTI - 75-35) 353488
Study on the polarization effects in proton elastic scattering on ^7Li, ^9Be, ^{11}B nuclei near the (pn) reaction threshold. 377916
Slach, J.
Effect of liquid sodium on long-term properties of austenitic steels. (INIS-mf - 4211) 378740
Sladen, G.E.
Appraisal of the ^{14}C-glycocholate acid test with special reference to the measurement of faecal ^{14}C excretion. 360385
Sladkovic, R.
Measurement of airborne radioactivity and its meteorolgical application. Part VI. Annual report, 1 August 1974 - 31 July 1975. (NYO - 3425-14) 378940
Sladkovska, J.
The extraction of hydrochloric acid and uranyl chloride from HCl and LiCl solutions by tri-n-decylphosphine oxide. 349335
Solvent extraction of sulfuric acid and uranyl sulfate with tri-n-butyl phosphine oxide. (INIS-mf - 3849) 378499
Sladky, J.
Design and performance of static excitation systems for big turboalternators in nuclear power plants. 379561
Sladowski, R.
Size distribution of radon daughter particles in uranium mine atmospheres. (HASL - 326) 363049
Slanina, J.
Long-term side effects in irradiated patients with Hodgkin's disease. 367536
Slansky, C.M.
Design criteria for the new waste calcining facility at the Idaho Chemical Processing Plant. 358465
Slansky, R.
Search and classification of reaction mechanisms in multiparticle data. 351180
Slapa, M.
Silicon spectrometer with a Peltier refrigerator. 355503
Slater, A.J.
Large-amplitude standing planetary waves induced in the troposphere by the Sun. 373461
Slater, D.C.
Fast-ion generation by ion-acoustic turbulence in spherical laser plasmas. 350811
Slater, J.B.
An overview of the potential of the CANDU reactor as a thermal breeder. (AECL - 5679) 360953
Slater, R.
Radionecrosis of the brain presenting as a mass lesion: a case report. 365405
Slates, R.V.
X-ray fluorescence spectrometers: a comparison of wavelength and energy dispersive instruments. (DP - 1462) 379947
Slatkine, M.
Trace-gas analysis with a resonant optoacoustic cell operating inside the cavity of a CO_2 laser. 367055
Slattery, G.
Preliminary results of effect of environment on the low cycle fatigue behaviour of type 316 stainless steel and 9%Cr ferritic steel. 354576
Slattery, G.F.
Preliminary results of effect of environment on the low cycle fatigue behaviour of type 316 stainless steel and 9% Cr ferritic steel. (TRG-Report - 2847(R)) 360004
Slattery, P.
Transverse-momentum properties of multipion systems produced in high-energy collisions. 359345
Slaughter, C.D.
Solar limb darkening in the interval 7404-24 018 A. II. 349022
Slaughter, D.R.
Calibration of a dePangher long counter from 2 keV to 19 MeV. 355586
Delayed neutrons and high-energy γ-rays from decay of ^{87}Br. 372800
Multi-technique characterization of neutron fields from moderated ^{252}Cf and $^{238}PuBe$ sources. (UCRL - 79483) 370689
Slaughter, G.G.
Resonance neutron capture gamma-ray studies of levels in ^{145}Nd. 364808
Slaughter, G.M.
Post-test examination of a 30-MW sodium-to-sodium intermediate heat exchanger. (CONF-760503 - P2) 352747
Slaughter, J.
pp collider construction scenario. (ANL-HEP-CP - 77-52) 365737

Slaughter, M.
X-ray analysis in mineral exploration, ch. 3. 374361
Slaughter, M.D.
Intermultiplet mixing of the vector mesons in a nonperturbative approach to broken SU(4). 351195
Slaus, I.
Application of the three-body model to the reactions ^{6}Li(^{3}He,t ^{3}He)^{3}He and ^{6}Li(^{3}He,^{3}He^{3}He)^{3}H. 351288
Use of photodiodes for neutron dosimetry. 379908
Slauson, D.O.
Biomedical risks of multiple lung lavages in beagle dogs. (LF – 56) 362746
Occurrence and lobar distribution of lung cancer in Syrian hamsters induced by intratracheal administration of ^{210}Po (preliminary report). (LF – 56) 362729
Slavatinskij, S.A.
Simulation of nuclear cascades in atmosphere. 361692
Slavin, G.A.
On solidification kinetics of bath in pulsed arc welding of sheet materials. 375795
Slavin, N.
Determination of the lattice location of ^{16}O implanted into Si and Ge crystals. (INIS-mf – 3996) 363981
Lattice location of ^{16}O implanted in Si crystals by backscattering. 371577
Slavin, R.
Mechanism of donor to host tolerance in rat bone marrow chimeras. 370373
Slavinskaya, N.A.
On the mechanism of the effect of simultaneous irradiation by ionizing radiation and light non-absorbable by substance. 357176
Slavnov, A.A.
Spontaneous breaking of supersymmetry in non-Abelian gauge theories. 361314
Superdiagram technique for gauge theories. 348597
Supersymmetric gauge field theories. (JINR-D – 2-9788) 374587
Slavov, S.
Peculiarities of radiostrontium and radioiodine kinetic following simultaneous incorporation of a mixture of ^{131}I, ^{85}Sr and ^{137}Cs. 367598
Slebarski, A.
X-ray study of ordering on crystallographic sites in intermetallic alloys Gd(Alsub(1-x)Mnsub(x))$_2$. 378736
Sledzyuk, N.A.
Analytical formulae for atomic collision cross-sections in Born approximation. (INIS-mf – 3915) 348684
Slee, O.B.
Culgoora-3 list of radio source measurements. 361737
Sleeman, J.C.
Measurement of differential cross sections for elastic $K^{+}p$ scattering in the momentum range 0.7 to 1.9 GeV/c. 372511
Slegers, W.
In-situ testing of HEPA filters by the DOP test method. 360502
Sleight, A.W.
Superconductive barium – lead – bismuth oxides. (US patent document 3,932,315/A/) 357383
Slember, R.J.
Safety-related design considerations for the Clinch River Breeder Reactor Plant. (CONF-761001 – P1) 363015
Status of the Clinch River Breeder Reactor Plant. (CONF-770362 – 1) 352779
Slepchenko, L.A.
On the growth of associative multiplicity in dependence on transverse momentum. 375055
Sleptsov, A.A.
Correlation between wave functions of many-electron atoms in various coupling schemes. 368666
Slepukhin, A.K.
Formation of strontium vanadite in $SrCO_3$ – 2VOsub(1.5) system. 351589
Slepukhin, V.K.
Spectral-luminescent characteristics of YVO_4-Nd in disordered phosphate matrices. (INIS-mf – 3955) 378266
Spectral-luminescent properties of double molybdates with palmierite structure. (INIS-mf – 3955) 366470
Slesar', N.I.
On interaction of vanadium of different oxidation degree with benzohydroxamic acid. 362125
Slesarev, V.M.
Hydrogen permeability of ironvanadium alloys. 375915
Slesarev, V.N.
Compressive strength and thermal resistance of polycrystalline cubic BN. 378779
Sletten, G.
Island of high spin isomers near N = 82. (ZfK – 336) 364811
Island of high-spin isomers near N = 82. 367001
Slezak, B.
Inclusive data in proton-nucleus collisions at 67, 200, and about 3000 GeV. (INP – 872/PH) 375063
Slifkin, M.A.
Dose-response curves of gamma-irradiated purine and pyrimidine powders. 352006
Slight, A.G.
An experimental and theoretical study of the low-lying states of ^{15}N. 366915
Slim, H.A.
Regularization of the Roy equations with a smooth cutoff. 366820
Slipchishin, L.V.
Corrosion cracking of high-strength steel under conditions of antiplane deformation. 369824
Slippler, R.
The decay of ^{136}Te (20.9s). 354262
Slisenko, V.I.
Aluminium-yttrium garnet phonon spectrum. 361480
Lattice phonon spectrum of zirconium dioxide and solid solutions on their base. 348857
Phonon spectrum of aluminium-yttrium garnet. (INIS-mf – 3955) 377306
The phonon spectrum of NaI crystal. 348856
Sliv, L.A.
Aligned states with high spins. 359412
Muon conversion of gamma radiation of nuclei. 359411
Present state of the analog resonance theory. (KFTI – 74-27) 349122
Slivinsky, V.W.
Pinhole imaging of laser-produced thermonuclear alpha particles. (UCRL – 79780) 377365
Sub-keV, subnanosecond measurements of x-ray spectra from laser-produced plasmas. (UCRL – 79782) 377458
Use of x-ray imaging on laser fusion experiments. (UCRL – 79817) 366506
Slivka, M.
Determination of the spectral characteristics of electron pulsations according to the Intercosmos-5 data. 367443
Slivka, R.A.
Determination of kinetic parameters in the In-In^{3+} system on the base of impedance theory for multistage processes. 375579
Slivkov, I.N.
High-perveance electron-optical system with recuperation of electron energy. 360717
Sliwka, I.
Identification of copper ore processing by means of radioactive tracers. 375745
Sloan, I.H.
Three-body collisions involving breakup. 372668
Sloan, S.A.
Reaction of potassium superoxide in excess potassium. (CONF-760503 – P2) 352295
Thermal explosions in mixtures of eutectic sodium potassium alloy and potassium superoxide. 365605
Sloan, T.
A 480-channel lead glass Cherenkov detector. 355498
Sloane, E.A.
Device for the determination of transfer functions of test samples. (German (F.R.) patent document 2532801/B/) 374109
Sloat, S.S.
Development and evaluation of a hydride technique for As, Sb, and Se determinations by inductively coupled plasma-atomic emission spectroscopy. (IS-T – 776) 372928
Slobin, W.G.
Device for preventing spontaneous repositioning of a control element of a nuclear reactor. (German (F.R.) patent document 2219951/B/) 355351
Slobodchikov, S.S.
Electric properties and atomic volume dependence of s-f exchange integral in gadolisnium-dysproium alloy. 368857
Slobodchikov, S.V.
The Keldysh-Franz effect in InP. 374735
Slobodrian, R.J.
Few body problems in nuclear and particle physics. 361825, 361993
Slobozhanin, L.A.
On departed bubble sizes during their quasi-static growth on the heater. 349974
Slohan, F.
On the high energy proton spectrum measurements. 372156
Sloss, W.
UK irradiation experience relevant to advanced oxide fuel concepts for LMFBR's. 379813
Sloss, W.M.
Operating experience with a large examination facility for irradiated plutonium fuel pins. 363124
UK irradiation experience relevant to advanced carbide fuel concepts for LMFBR's. 379727
Slouf, J.
250 MW condensing single-automatic bleeder turbine for reactor WWER 500 or WWER 1000. (INIS-mf – 4055) 368164
Slovacek, R.E.
^{238}U(n,f) measurements below 100 keV. 356885
Slovinskij, B.
Scaling properties of proton emission in π^{+}+Xe→p+... interactions at 2.34 GeV/c. 369386
Study on charge-exchange reaction of 2.34 GeV/C π^{+} on xenon nucleus and problem of existence of π-mesons inside a nucleus. (JINR-D – 1,2-9342) 356886
Slovokhotova, N.A.
Spectroscopic study of structural chemical transformations in polyvinylidenefluoride under action of ionizing radiations. 354428
Slovyanskikh, V K.
The U-S-Te system. 359694
Slowikowska, M.G.
Chromosomal aberrations in lymphocytes of persons occupationally exposed to radiaton from ^{226}Ra and ^{3}H paints. 379079
Late effects of irradiation of newborn mice with gamma rays. Pt. 4. Summary of investigation and the effect of sex and dose of radiation on the extent of radiation-induced injury. 373522
Two types of development of lens opacities in mice depending on age at the time of irradiation. 367503
Types and rate of cataract development in mice irradiated at different ages. 365383

Slozhenikina, L.V.
Inhibiting action of blood serum of irradiated animals on H^3-thymidine incorporation into DNA of rat thymocytes in vitro. 370367
Sluckin, T.J.
Positive ion structure in ^{3}He-rich liquid helium mixtures. 366813
Sluiter, W.J.
Autoimmune antibodies against T_3. (INIS-mf – 4010) 370506
Slutskij, G.K.
Continuous analysis of iodine, cesium, barium, strontium, yttrium and rare earths isotopes from water coolant of nuclear reactor. 356967
Slutskij, M.E.
Wide-range high-frequency generator. 376731
Sluyters, T.
Acceleration of one ampere negative ion beams to energies up to 120 keV. (BNL – 23391) 377465
Sly, K.N.
Tables of the isotopic composition of transuranium elements produced in Canadian D_2O moderated reactors. (AECL – 5904) 360944
Slyn'ko, L.S.
Thermodynamic analysis of systems of niobium-oxygen-chlorine, titanium-oxygen-chlorine. 369664
Smaardyk, J.E.
Large scale sodium interactions. Part 1. Test facility design. (SAND – 77-1073C) 367767
Large scale sodium interactions. Part 2. Preliminary test results for limestone concrete. (SAND – 77-1059C) 367797
Large scale sodium test facility. (SAND – 77-1421C) 373834
Smagin, E.N.
Development of radiation-chemical technology for production of rubber products using electron accelerators. (INIS-mf – 4194) 376286
Smagulova, S.A.
Electron irradiation and annealing of Ge < Si > alloy. 348769
On radiation defects in p-type germanium induced by irradiation at elevated temperatures. 374681
Smagunova, A.N.
Choice of optimum conditions for X-ray spectral analysis by the method of internal standard and their application to certification of standard samples. 364903
Smailos, E.
Recent results and developments on the disposal of radioactive wastes in the Asse Salt Mine. 358523
Smakhtin, L.A.
Determination of nitrogen and phosphorus in bone tissues by activation with 14 MeV neutrons. 364880
Neutron activation determination of chlorine distribution in thin films of silicon dioxide. 375326
Smakhtin, V.P.
Measurement of mass of the phi-1019 resonance. (JINR-D – 1,2-9342) 356490
Smal, Z.
Thallium-204 sealed sources from a target activated in the EWA reactor. 355077
Small, G.J.
Two-photon spectrometer based on flashlamp-pumped dye lasers. 368352
Small, R.D. Jr.
Absolute rates of hydrogen abstraction by tert-butoxy radicals. 378403
Photochemistry of phenyl alkyl ketones. The lifetime of the intermediate biradicals. 378405
Role of biradical intermediates in the photochemistry of o-methylacetophenone. 378404
Smalley, J.
The remote measurement of sulphur in steels by mass spectrometry. 351456
Smalley, L.L.
Hypermomentum and the microscopic violation of the Riemannian constraint in general relativity. 353088
Smallman, R.E.
Electron microscopy studies of point defect clusters in metals. 351889
Vacancies '76. Proceedings of a conference on 'point defect behaviour and diffusional processes' organized by the Metals Society and held at The Royal Fort, University of Bristol, on 13-16 September, 1976. 351661, 351679, 351758, 351880, 351882, 351889, 351892, 351893, 351894, 351908, 351910, 351957
Smarr, L.
Are there geon analogues in sourceless gauge-field theories. 363762
Smart, D.F.
Study of travelling interplanetary phenomena 1977. 372113, 372117, 372141, 372159, 372188, 372190, 372192, 372196, 372208, 372221, 372242, 372249, 372260, 372266, 372269, 372275, 372296, 372299, 372306, 372310
A summary of significant solar-initiated events during STIP intervals I and II. 372266
Smart, W.
Ratio of neutral-current to charged-current cross sections for inclusive neutrino interactions in hydrogen. 351220
Smathers, J.E.
Status report: direct track detector dosimetry in fast neutron beams. 367828
Smeenk, R.G.
Relaxation of a Pt(111) surface studied by medium energy ion scattering. 368895
What is the position of atoms in a Ni(110) surface, which is either clean or which has absorbed oxygen or sulphur atoms. (INIS-mf – 4267) 377309
Smelser, P.
Superconducting coil design for a tokamak experimental power reactor. (CONF-770842 – 9) 366645
Smelyanskij, V.V.
Cryogenic source of polarized hydrogen and deuterium atoms. 370735
Smetana, K.
Di Guglielmo syndrome (erythroleukemia) with dyserythropoiesis in a breast cancer patient treated with irradiation. 379054
Smets, J.
Quality assurance: a commitment for management; an indoctrination for personnel. 352988
Training and qualification for engineering inspection personnel. 352608
Smeulders, P.
On sawtooth oscillations and MHD modes in the W VII A stellarator. (INIS-mf – 3963) 371780
Smeyers, P.
An asymptotic representation of unstable gravity modes in stars. 372145
Smialek, M.
Incorporation of ^{14}C glucose into glycogen and glucose-6-phosphate dehydrogenase activity in rat brain following carbon monoxide intoxication. 373689
Smid, R.J.
Grain growth in thoria and thoria-base fuel pellets (LWBR development program). (WAPD-TM – 1311) 362506
Smidt, D.
Analysis of LOCA in the Federal Republic of Germany. 370533
Considerations on a PAHR test facility. (CONF-761001 – P1) 362870
Smietanska, G.
Increase of poly(vinyl chloride) stability towards ionizing radiation. Pt. 2. Effects of Epidian addition in PVC films. Pt. 3. Effects of the addition of ethylene glycol bis-β-aminocrotonate in PVC foils. 375718
Investigations on the radiation stability increase of poly (vinyl chloride). Pt. 1. Radiation yield of hydrogen chloride in pure poly (vinyl chlorides) irradiated by γ ^{60}Co. 354457
Smilansky, U.
Alpha transfer reaction between oxygen isotopes. (WIS-PH – 77/42) 364786
Alpha-transfer reactions between oxygen isotopes. 372769
Attempt to measure the relative phase of the (1dsub(5/2))^2 and the (2ssub(1/2))^2 amplitudes in the ground state of ^{18}O. (WIS-PH – 77/27) 364787
Focal points and the phase of the semi-classical propagator. (WIS-Ph – 77/23) 366281
Nuclear reactions induced by the bombardment of ^{18}O with ^{18}O. 356798, 366987
One and two neutron transfer reactions between ^{17}O and ^{18}O. (WIS-PH – 77/37) 364695
Reorientation effect measurements in ^{122}Te and ^{128}Te. (WIS-PH – 77/48) 364741
Smiley, S.H.
Large-scale fuel cycle centres. 368504
NRC nuclear energy center study. 370613
Nuclear energy centers: a national survey. 363431
Smiljanicj, R.
Investigation of the internal structure of temperature gradient in the ground layer atmosphere. 373469
Smirdova, N.I.
Ratio of intensities of spectral bands of Sm^{3+} and Eu^{3+} luminescence spectra in some crystal phosphors. 368628
Smirenkin, G.N.
Anomalous effect of angular momentum on light nuclei fission by protons and alpha particles. (FEI – 538) 356610
Estimation of energy dependence accuracy of anti ν for major fissile materials. (INIS-mf – 3896) 356861
Fission of preactinide nuclei. Angular anisotropy of (α,f) reaction. 375181
Smirenkina, L.D.
Study on the scattering of slow neutrons by reactor materials. (INIS-mf – 3895) 355296
Smirnitskij, V.A.
Determination of relative probabilities of the Ksub(μ2)sup(+), Ksub(π2)sup(+), Ksub(μ3)sup(+) and Ksub(e3)sup(+) decays using a magnetic spectrometer with streamer chambers. (ITEF – 28) 361902
Smirnov-Averin, A.P.
BR-5 primary circuit decontamination. (IWGFR – 7) 360973
Smirnov, A.A.
Electric filter. (Soviet patent document 449457/A/) 355209
The theory of channeling in alloys. (INIS-mf – 3995) 377289
Smirnov, A.G.
Heating a dense theta-pinch plasma with strong fast-rising magnetic fields. 348894
Investigation of dense plasma heating in linear theta-pinch with strong fast-rising magnetic field. (INIS-mf – 3963) 371770
Smirnov, A.I.
Fusion of two antiparallel photons into one on an electron. 361315
Smirnov, A.M.
Study on temperature regimes of a tube wall in heat removal by water of supercritical pressure. 370703
Smirnov, A.N.
Analytical reactions with charge transfer for photometric and extraction-photometric determination of some transition metals. (INIS-mf – 4192) 375299
Determination of some product yields in ^{252}Cf fission by means of

measurement of soft electromagnetic radiation. (INIS-mf – 3896) 356748
Smirnov, A.S.
Measurements in interplanetary space and in the Martian upper atmosphere with a hydrogen absorption-cell spectrophotometer for Lα-radiation on-board Mars 4 – 7 spaceprobes. 374293
Target systems of multichannel laser thermonuclear facilities. (INIS-mf – 3954) 361509
Thermochemistry of some molybdenum and tungsten cyclopentadienyl compounds. 365001
Smirnov, A.Yu.
Weak interactions with large dimensionless constant ("neutral currents" as second-order processes). 353042
Smirnov, B.I.
Mechanical properties of samarium monosulfide. 349536
Smirnov, B.M.
The dissociative recombination of electron and complex ion. 358830
Electron and complex ion recombination. 374640
Smirnov, B.N.
Passing and absorption of 5-30 keV electrons in massive solids. 356557
Smirnov, E.A.
The effect of the cooling rate during quenching, electron bombardment and plastic deformation on the kinetics of a solid solution disintegration in iron-copper alloys. (KFTI – 74-47) 355980
Smirnov, G.I.
On the possibility of registration of Dirac monopole by nonlinear effects in the emission of interstellar masers. 353707
Smirnov, G.V.
A high-power laser system for thermonuclear fusion experiments. (IAEA – 200) 353513
Observation of the suppression of a nuclear reaction in a direct γ=quantum beam. 368879
Smirnov, I.A.
Electric properties of SmS metallic modification. 350731
First-order transition in samarium monosulphide. 375923
High-temperature thermal conductivity of La_3Te_4. 374747
Mechanical properties of samarium monosulfide. 349536
Rare-earth semiconductors and their optical spectra. (INIS-mf – 3955) 367128
Sm_3S_4 specific heat anomaly. 356066
Some specific features of the absorption spectrum of metal modification of samarium monosulfide. 374738
Smirnov, L.S.
Annealing of vacancy clusters in silicon. 370133
The annihilation process of radiation-produced vacancies and interstitials. 370138
High-temperature radiation effects in germanium under high-voltage electron microscope observation. 370129
The inducement and rearrangement of radiation defects in ion implanted semiconductors. (INIS-mf – 3996) 364001
On radiation defects in p-type germanium induced by irradiation at elevated temperatures. 374681
Radiative recombination in silicon on complexes containing hydrogen. 350762
Smirnov, M.V.
Refraction of molten alkali metal bromides and their mixtures. (INIS-mf – 4193) 375580
Stability constants of fluoride, chloride and bromide complexes of thorium in halide melts. (INIS-mf – 4193) 375643
Smirnov, N.A.
Relativistic nucleus dosing for two-meter propane chamber. (JINR – 13-10353) 379891
Smirnov, N.M.
Algorithm for determining optimal parameters of detector systems for detecting multicharged particles. 361028
Smirnov, N.V.
PUlse thermonuclear breeder for technological heat production. (INIS-mf – 3954) 361516
Smirnov, O.M.
Electron-optical system of a slow electron spectrometer. 376603
Smirnov, O.P.
Radiographic inspection of atomic power station units with the help of a microtron. 376274
Smirnov, R.I.
Technique for determination of energy thresholds of radiometric devices with fixed threshold factors. (Soviet patent document 428324/A/) 358397
Smirnov, S.A.
Contact contribution in lanthanide shifts of ^1H and ^{31}P in nuclear magnetic resonance spectra of phosphonates. 369597
Smirnov, V. Ya.
Generation cross-sections of characteristic x radiation of atoms while bombarding by nitrogen ions. (INIS-mf – 3915) 348676
Smirnov, V.A.
Block data transmission in the CAMAC standard. (JINR – 10-8614) 350377
CAMAC countroller for the multipurpose driver with the ES-1010 computer. (JINR – 10-8971) 368347
A coding and reading data unit from hodoscopic recording systems in the CAMAC standard. 363552
Control module and module for priority set-up for the CAMAC universal branch driver. 376726
Disproportionation of indium monoiodide in aqueous solutions. 375442
Employment of the Tectronix display on-line with the HP2116B computer. (JINR – 10-9302) 350376
Eu^{2+} spectra in $KMgF_3$ and $NaMgF_3$ crystals. 375596
IKR-10 interface device for switching on to programming channel of the ES 1010 computer. (JINR – 10-9019) 358437
Investigation of Zeeman effect in $NaMgF_3$-Eu^{+2} and $KMgF_3$-Eu^{2+} crystals. (INIS-mf – 3955) 377304
Module for the EC-1010 computer control of the CAMAC universal driver. 376728
Module for the organization of a branch of the universal branch driver in the CAMAC standard. 376725
On disproportionation of indium monohalides in solutions. 375581
Register reading with nonzero infiormation in the CAMAC modules in the address scanning regime. (JINR – 10-8615) 361085
Spectra of Sm^{2+} in $KMgF_3$ and $NaMgF_3$ crystals. (INIS-mf – 3955) 378424
Stimulation of germination of conidium Aspergillus niger, a citric acid producer, under the action of mutagenic factors. 362650
Switch-on of the VT-340 display as an operator control desk to the HP 2116V computer. (JINR – 10-9301) 358448
Switching the WT-340 display as an operator console to the HP2116B computer. 363623
Smirnov, V.B.
Model of excitation energy transfer between HeI N=5 levels in inelastic collisions of excited atoms with normal. 358843
Smirnov, V.G.
Heating a dense theta-pinch plasma with strong fast-rising magnetic fields. 348894
Magnet system of the "Jupiter 2T" high-temperature plasma electromagnetic trap. (INIS-mf – 3954) 361581
Smirnov, V.L.
Electron linear waveguide accelerators for applied purposes. (INIS-mf – 4194) 376273
Smirnov, V.M.
Direct energy conversion of monochromatic ion beams with space charge compensation. 374865
On a possibility of application of an ion transit recuperator. (INIS-mf – 3954) 361645
Smirnov, V.P.
System for anode foil changeover in a pulse electron accelerator. 370734
Control and data aquisition systems on tokamak-type thermonuclear facilities. (INIS-mf – 3954) 364261
Effect of thermonuclear microexplosion initiated by a relativistic electron beam on the first wall of an explosive chamber. (INIS-mf – 3954) 361647
Transport and focusing of high-current relativistic electron beams onto a target. (IAEA – 200) 353515
Smirnov, V.S.
IBR-2-the periodically pulsed reactor for neutron investigations. (INIS-mf – 3946) 356682
Nonstationary convection and precipitation of energetic particles. 357544
Search for the $\mu^+ \rightarrow e^+ + e^+ + e^-$ decay. 369380
Smirnov, V.V.
Electron emission out of metals under the effect of gamma quanta of 30 to 90 keV range. 349587
Method for ion exchange extraction of gallium-68 from solutions. (Soviet patent document 416977/A/) 357103
Semiempirical approach to the inelastic energy loss of ions. (INIS-mf – 3996) 364629
Smirnov, V.Ya.
Study on characteristic x-radiation of atoms excited by multicharged ions. (INIS-mf – 3915) 348674
Smirnov, Yu.D.
Enhancing the final product output off the ingots of carbon- and alloyed steels. 362359
Smirnov, Yu.F.
Group of canonical transformations and the K-harmonic method. 372631
Isobaric component of the deuteron in the quark model. 369451
On the study of the double Fourier transforms of the electron wave functions for atoms, molecules, and solids using the (γ,2e) and (e,3e) processes at high energies. 353317, 366360
Projected basis for many-phonon systems. 375099
Smirnov, Yu.I.
Observation of possible production and decay of short-living heavy neutral particles in the SKAT neutrino experiment. 353930
Smirnov, Yu.V.
Coaxial resonator with bifurcated type conductors. (NIIEFA-V – 0204) 350088
Correction system for the synchrotron magnetic field decrease index. (JINR – 9-9625) 350094
Processing of uranium raw material abroad. Pt. 3. Palnts, acting on schemes of acidic leaching with sorption of uranium from pulps and on schemes of carbonate leaching. 357202
Smirnova, A.I.
Heat treatment effect on the properties and structure of welded joints of Al-30Be-5Mg alloy. 369975
Smirnova, A.V.
On the phase composition of the meteorite "Krymka" by the Moessbauer study data. 349630
Specific features of technology for producing large sheets of low-carbon corrosion resistant 03Kh21N21M4GB steel. 375802
Smirnova, E.S.
The use of nuclear reactors for centralized heat supply and district heating. 371216
Smirnova, I.B.
Effect of hydroxyurea and amethopterin on radiosensitivity and thiol content of biological objects. 370356
Radioresistance of Ehrlich ascites tumour cells in G_1-and S-phases. 370355

Smirnova, M.I.
State of haemodynamics, as determined by radiocardiography in persons working in contact with ionizing radiation sources. 354758
Smirnova, N.A.
Dielectric relaxation in fluorine-containing materials after γ-irradiation. 378807
Smirnova, N.N.
Some regularities of praseodymium, neodymium ans samarium separation. 357224
Smirnova, T.V.
Light absorption by "droplets" of metal phase near the semiconductor-metal phase transformation point in VO_2. 368785
Temperature and pressure in the atmosphere of Jupiter. 351037
Smirnova, V.K.
Investigation of radiation-induced block polymerization of N-2,4-dimethylphenylmaleimide. 349351
Smirodova, N.I.
Luminescence spectra of lanthanide ions in crystallophosphors during excitation by X-radiation and their use for yttrium preparations analysis. (INIS-mf – 3955) 378253
Smit, H.C.D.
Deposition of aerosols formed by HCDA due to decay heat transport in LMFBR inner containment atmospheres. (CONF-761001 – P4) 363033
Smit, M.C.B.
Decay schemes and types of radiation. (INIS-mf – 4203) 375204
Smit, V.A.
1,4-shift of bromine during alkynes acylation with α-bromoacyliumtetrafluoroborates. 372970
Smith-Kintner, J.
phi production in π^-p collisions near threshold. 351216
Smith, A.
Evaluated fast neutron cross sections of uranium-238. (ANL/NDM – 32) 372806
Fast neutron cross sections of vanadium and an evaluated neutronic file. (ANL/NDM – 24) 351358
Titanium-I: fast neutron cross section measurements. (ANL/NDM – 31) 364773
Smith, A.B.
Titanium-II: an evaluated nuclear data file. (ANL/NDM – 28) 369503
250 keV resonance in the total neutron cross section of ^{6}Li. (ANL/NDM – 29) 372812
Smith, A.B. III
High-resolution optical spectroscopy and laser isotope enrichment of matrix-isolated s-tetrazine in argon. 378243
Smith, A.C.
The Durham air shower array. III. 380155
The Durham extensive air shower array. I. 366033
The Durham extensive air shower array. II. 366036
Smith, A.C. Jr.
Energy measurements on fast-pulsed near-relativistic electron beams using bremsstrahlung absorption spectroscopy. 366627
Smith, A.C.H.
Absolute total collision cross sections for the scattering of metastable helium and neon atoms from rare gas atoms and diatomic molecules. 358756, 377030
Smith, A.F.
Chromium depletion from stainless steels during vacuum annealing. 349419
Smith, A.I.
Review of AECL heavy water production plants. (AECL – 5841) 360569
Smith, A.M.
Clinch-River Breeder-Reactor Plant system reliability. 357728
Defect analysis program applied to nuclear plant pressure component experience data. (GEFR-SP – 051) 379229
Fuel Aerosol Simulant Test (FAST) plan. (ORNL/NUREG/TM – 129) 365625
Smith, A.R.
Dosimetry of pion therapy beams. 352351
An intercomparison of dosimetry techniques in radiation fields at two high-energy accelerators. 370655
Smith, A.W.
On mass-shell parametric space renormalization of PHI^3 theory in six dimensions. 350546
On-mass-shell parametric space renormalisation of $[phi^3]_6$. 375049
Smith, B.
Ion implantation range data for silicon and germanium device technologies. 374774
A search for rapid optical periodicities from Cyg X-1. 366744
Smith, B.A.
Channel follower leakage restrictor. (US patent document 4,035,233/A/) 363467
Fuel element assembly. (German (F.R.) patent document 2626487/A/) 352645
Improved support for nuclear fuel rods. (German (F.R.) patent document 2618837/A/) 352478
Voyager imaging experiment. 374966
Smith, B.E.
Hydrogen – deuterium exchange between MBH_4 and MBD_4 (M = Li, Na). Isotope effects on the ^{1}H and ^{11}B NMR spectra of the BH/sub n/D/sub 4-n/ anions and a discussion of exchange reactions in some covalent tetrahydroborate systems. 367129
Smith, B.L.
High spin states in ^{88,87,86}Zr. (TID – 27909) 378018
Level structure of ^{102}Rh via (^{3}He,d) and (p,d) reactions. (TID – 27909) 378059
Smith, B.W.
Spectral characteristics of 3U1915-05, a burst source candidate. (N – 77-24026) 361670
Smith, C.A.
Corrosion of steels in molten sodium hydroxide. (CONF-760503 – P2) 352773
Smith, C.B.
Institutional arrangements for a multinational reprocessing plant. 375752
Smith, C.F.
Instrumental neutron activation analyses for the NURE hydrogeochemical reconnaissance survey. 378164
Smith, C.G. Jr.
Geohydrolic studies of Gulf Coast interior salt domes. (Y/OWI/SUB – 77/16537) 378876
Smith, C.L.
Distribution of some chemical elements between dissolved and particulate phases in the ocean. Period covered: August 1, 1976 – October 31, 1977. (COO – 3566-19) 379302
Migration of the ThO_2 kernels under the influence of a temperature gradient. 365948
Smith, C.M.
Characterization studies of BWR-4 neutron noise analysis spectra. (CONF-770902 – 1) 368114
Identification of neutron noise sources in a boiling water reactor. (CONF-770902 – 4) 368125
Thermal-hydraulic correlations of a six-channel blockage in a sodium-cooled simulated LMFBR fuel assembly. (CONF-761001 – P4) 362943
Smith, C.W.
Design principles of telecobalt collimators. 360574
Observations of Crassostrea virginica cultured in the heated effluent and discharged radionuclides of a nuclear power reactor. (PB – 271841) 379138
Smith, D.
Fast neutron cross sections of vanadium and an evaluated neutronic file. (ANL/NDM – 24) 351358
Molecular synthesis in interstellar clouds: some relevant laboratory measurements. 369199
Rubber mounts insulate whole reactor from 0.6 g earthquakes. 352661
Steam only from small reactor looks more attractive than coal. 352662
Smith, D.B.
Determination of aquifer parameters by a two-well pulsed method using radioactive tracers. 373440
An inexpensive gamma alarm. 361057
Modeling and simulation in the design and evaluation of conceptual safeguards systems. (LA-UR – 77-1366) 353002
Thoughts on large acceptance spectrometer design in light of experience as a split field magnet user. (BNL – 50611) 357994
Smith, D.D.
Initial synthesis of area 13 ^{239}Pu data and other statistical analyses. (NVO – 171) 378855
Smith, D.E.
Heat transfer evaluation in a plasma core reactor. (CONF-760646 –) 374141
Smith, D.F.
Nonrelativistic electron stream propagation in the solar atmosphere and type III radio bursts. 372213
Particle acceleration by strong plasma turbulence. II. Acceleration of nonrelativistic electrons in solar flares. 372268
Second harmonic radiation and related nonlinear phenomena in type III solar radio bursts. 359165
Smith, D.H.
Study of the quantification of Sims data. (CONF-770575 – 1) 378165
Smith, D.L.
Ablation rates of polystyrene microspheres in a theta-pinch plasma. 366628
Graphical representation of neutron differential cross section data for reactor dosimetry applications. (ANL/NDM – 34) 356887
Measurement of cross sections for the ^{23}Na(n,n'γ)^{23}Na reaction near threshold. 372813
Monitoring and measurement of oxygen concentrations in liquid sodium. (CONF-760503 – P2) 352780
Thermal responses of tokamak reactor first walls during cyclic plasma burns. (CONF-771029 – 189) 377539
Smith, D.P.
Pyrimidine dimer excision in human cells and skin cancer. (CONF-770365 – 1) 362634
Smith, D.R.
A risk assessment for the transportation of radioactive materials in the USA. 350039
SGHWR safety design and evaluation. 370990
Smith, D.W.
A cost comparison of nuclear and fossil power for the Alberta tar sands. (AECL – 5682) 363702
Smith, E.
The application of fracture mechanics principles to stress corrosion fractures arising from contact stresses. 351678
Smith, E.H. Jr.
On-site reconstitution of 108 St. Lucie I fuel assemblies. 358218
Smith, E.J.
Pioneer 10, 11 observations of evolving solar wind streams and shocks beyond 1 AU. 372269
Two types of magnetospheric ELF chorus and their substorm dependences. 370312
Smith, E.M.
Estimates of radiation dose to the embryo from nuclear medicine

procedures. (ORNL – 5171) 367599
Practical methods of dose reduction to the bladder wall. (ORNL – 5171) 367600
Smith, E.R.
Utilization of uranium cost/benefit study for nuclear powered merchant ships. Special study. (PB – 268905) 371070
Smith, E.W.
Relaxation of the mercury 6 $^3P_0$ and 6 $^3P_1$ states. 350470
Smith, F.A.
The sensitivity of personnel monitoring film to negative pions. 371136
Smith, F.T.
A Bessel function representation for semiclassical perturbation scattering. 358832
Scaling of electron-dipole inelastic collision cross sections. 358831
Semiclassical perturbation scattering theory: momentum transfer in electron-dipole collisions. 358758
Smith, F.W.
Effect of neutron irradiation on single crystal V_3Si. (BNL – 23015) 351912
Smith, G.
Determination of nuclear heating thermocoupled fuel pins in AGR instrumented stringers. (CEGB-RD/B/N – 3988) 358248
Smith, G.A.
Directional dispersion of sporadic-E modes between 9 and 14 MHz. 367442
Search for charmed particles in 14.75 GeV/c pp interactions. 375069
Tests of factorization from single- and double-pion production in 100-GeV/c p-antip and pp collisions. 351230
Smith, G.C.
Heavy-Section Steel Technology Program intermediate-scale pressure vessel tests. (CONF-770807 – 24) 362878
Smith, G.J.
Sensitization of E. coli by camphor. 365358
Sputtering of niobium by energetic neutrons and protons: A round-robin experiment. 350569
Smith, G.M.
Lagopedo: two F-region ionospheric depletion experiments. (LA-UR – 77-2743) 378939
Smith, G.P.
Photodissociation of O_3^- and its hydrates. 376993
Photon interactions involving NO_2^-, NO_3^-, and their hydrates. 376994
Smith, G.R.
$^{39}K(\alpha,p)^{42}Ca$ reaction to high excitations. (TID – 27909) 378042
$^{45}Sc(\alpha,p)^{48}Ti$ reaction. (TID – 27909) 378061
Elastic and inelastic scattering of 800 MeV protons from ^{89}Y and ^{90}Zr. (TID – 27909) 377980
Energy dependence of π^+ induced two- and four-nucleon removal. 369510
Neutron pickup from ^{194}Pt, ^{196}Pt and ^{198}Pt. 356888
Numerical study of particle motion in two waves. (UCRL – 80121) 361316
Single-particle component of the first excited state of ^{211}Bi. 351351
Smith, G.S.
American Crystallographic Association Project: numerical ratings of powder diffraction patterns. (UCID – 17639) 374110
Recent developments in Sandia Laboratories' sewage sludge irradiation program. (INIS-mf – 4220) 379412
Recent developments in the Sandia Laboratories' sewage sludge irradiation program. (SAND – 77-1411) 379413
Smith, G.W.
Log interpretation techniques. (SAND – 77-0300) 365297
Smith, H.
Clearance of lead-212 ions from rabbit bronchial epithelium to blood. 349782
The in vivo solubility of plutonium-239 dioxide in the rat lung. 370413
The in vivo solubility of plutonium-239 produced in plutonium-sodium aerosols. 354873
Resistivity measurements on the singlet ground state system Tb/sub c/Y/sub 1-c/Sb. Effects of electron-exciton scattering. 378583
Superfluid ^3He. 361761
System for calibration of SPEAR transport line toroids. 363261
Smith, H.D. Jr.
Behind casing water volume flow rate measurement using gamma ray spectral degradation. (US patent document 4,032,778/A/) 365675
Smith, H.E.
Evaluation of nondestructive assay system performance on Z-9 crib soil measurements. Phase I. (ARH-CD – 811-Pt.1) 364914
The redshift-magnitude relation for radio galaxies. 366758
Smith, H.G.
Electron-phonon contribution to the phonon linewidth in Nb: Theory and experiment. 367235
Smith, H.H.
Fatigue crack propagation in neutron irradiated type 304 and type 308 stainless steel plate and weld materials. 373366
Observations of the dislocation substructure produced by elevated temperature fatigue crack propagation in the type 316 stainless steel. 357425
Smith, H.I.
Efficient lensing element for x-rays. (UCRL – 79966) 379970
Smith, H.J.
Increase of range of Ni^+ ions in Cu due to ion bombardment induced crystalline reorientation. 371683
A study of high spin states in ^{151}Gd. 356889
Smith, H.M.
Equilibrium dissociation pressures of lithium hydride and lithium deuteride. (Y – 2095) 372998
Smith, I.
Fast pulse switching for electron beam and laser reactor concepts. (EPRI-ER – 376-SR) 361628
Transport of intense ion beams. 363285
Smith, I.A.
Radioactive tracer investigation of the flow characteristics in sugar crystallizers. 365690
Smith, I.L.
Production of phi and f' in 10 GeV/c K^-p interactions. 353959
The slow proton trigger for the CERN OMEGA spectrometer. 368293
Smith, I.W.M.
Reactive and inelastic collisions involving molecules in selected vibrational states. Chapter 1. 360573
Smith, J.
Corrections to the Goldberger-Treiman relation in a unified gauge-field model. 372390
A measurement of the form factor ratio gsub(1)/fsub(1) in lambda beta-decay. 369363
Smith, J.E.
Refueling outage planning, scheduling and coordinating. 358219
Test of 6-in.-thick pressure vessels. Series 4: intermediate test vessels V-5 and V-9 with inside nozzle corner cracks. (ORNL/NUREG – 7) 358196
Smith, J.F.
Comparison of the single-crystal elastic constants of Th and a ThC_0/sub ./$_{063}$ alloy. 351752
Influence of hydrogen on the low temperature heat capacity of lutetium-rich lutetium-hydrogen alloys. 375901
Shear moduli of a niobium single crystal with hydrogen additions at elevated temperature. 373263
Two mass spectrometric techniques in thermal analysis – a comparison. 379993
Smith, J.G.
Search for narrow resonant states in e^+e^- collisions near 6 GeV. 351208
Smith, J.K.
Effects of cracks on the seismic analysis of reinforced concrete nuclear containment vessels. Interim report. (PB – 270061) 379301
Smith, J.L.
α-γ phase transitions in Ce – Th alloys under high pressure. (LA-UR – 77-2153) 373205
Effect of high external thermal loading on LMFBR subassembly integrity. (CONF-770807 – 38) 365606
Smith, J.M.
^{239}Pu standards for quantitative neutron-induced autoradiography. (COO – 119-252) 373626
On the determination of the half-life of ^{237}Pu. 356890
Preliminary report on the correlation of the rate of trabecular bone turnover and ^{239}Pu concentration on trabecular surfaces with the incidence of osteosarcoma at selected skeletal sites. (COO – 119-252) 373634
Smith, J.R.
Experience in acoustic monitoring of pressurized water reactors. 365886
Smith, J.W.
Myocardial imaging with ^{123}I-hexadecenoic acid. 362787
Smith, K.
A new measurement of the magnetic moment of the neutron. 361886
Smith, K.A.
Collisional ionization of Xe(nf) atoms by electron attaching targets. 377006
Effects of state changing collisions in studies of collisional ionization of xenon high Rydberg atoms. 377121
Ionization of xenon atoms in high Rydberg states by collision with molecules. 350612
Smith, K.B.
Equipment for measuring thickness by irradiation. (German (F.R.) patent document 2618906/A/) 355107
Smith, K.C.
Effect of quinacrine on survival of ultraviolet-irradiated uvr, rec, lex and pol mutants of Escherichia coli K-12. 354756
The effects of accelerated heavy nuclei of neon and argon on mammalian cells in culture. 378981
Photochemical and photobiological reviews. Vol. I. 352021
Ultraviolet radiation-induced mutability of isogenic uvrA and uvrB strains of Escherichia coli K-12 W3110. 365362
Smith, L.
Irradiation behavior of sphere-pac carbide fuel. 379812
Two-phase interactions in countercurrent flow studies of the flooding mechanism. Progress report 1 Nov 1975 – 30 Sep 1976. (PB – 267576) 357764
Smith, L.E.
Energy dependence of π^+ induced two- and four-nucleon removal. 369510
Smith, L.G.
Midlatitude sporadic-E layers. (N – 77-24683) 365331
Smith, L.N.
Diffusive instability in optically excited superconducting films. 359217
Smith, M.A.
Final-state effects in carbon Auger spectra of transition-metal carbides. 360031
Smith, M.E.
The handling of radioactivity. (INIS-mf – 4203) 376219

High-voltage test stand at Livermore. (UCRL – 79614) 372031
Technical note: a comparison of chi/Q estimates at the 5% probability level. 365607
Smith, M.F.
Chemical analysis of steel (a bibliography with abstracts). Report for 1964 – May 1977. 359572
Smith, M.G.
Confirmation of the highest redshift QSO candidates from the Tololo deep survey. 356319
Q 0002 – 422: a QSO with zsub(abs) << zsub(em). 359186
Space distribution of high-luminosity quasars with $1.9<z<3.25$. 364390
Smith, M.J.
Significance of the initial FEA power plant reliability productivity study: a contractor's viewpoint. 363690
Smith, M.J.S.
Improvements in or relating to the storage of material. (UK patent document 1485266/A/) 361126
Smith, M.P.
Methods for thermal neutron diffusion coefficient logging. 357501
Smith, O.
Planning and managing a refueling outage. 358167
Smith, P.
Evaluation and assessment of nuclear power plant seismic methodology. (UCRL – 52236) 357733
Preliminary polarization results at Fermilab energies. (COO – 2009-128) 364571
Smith, P.A.
(^{3}He,n) reaction studies near N = 82. (TID – 27909) 377959
^{39}K(α,p)^{42}Ca reaction to high excitations. (TID – 27909) 378042
^{45}Sc(α,p)^{48}Ti reaction. (TID – 27909) 378061
Large-amplitude standing planetary waves induced in the troposphere by the Sun. 373461
Negative parity spectrum of ^{30}Si. (TID – 27909) 378060
Observation of the proton-pairing vibration in ^{206}Pb. 366963
Proton pairing states observed in the ^{208}Pb(^{3}He,n)^{210}Po reaction. (TID – 27909) 377960
Proton particle-hole interaction levels in ^{114,116}Sn. (TID – 27909) 377988
Proton shell closures at Z = 38. (TID – 27909) 377957
Study of 2p – 1h states in the Z = 50 proton shell via the ^{113,115}In(^{3}He,n)^{115,117}Sb reaction. (TID – 27909) 377958
Two-proton excitations at the Z = 38 and Z = 40 sub-shell closures. (TID – 27909) 377956
Smith, P.D.
Constitutive models for concrete and finite element analysis of prestressed concrete reactor vessels. (LA-UR – 77-1992) 374228
Finite element analysis of prestressed concrete reactor vessels. (LA-UR – 77-530) 358266
PADLOC: a one-dimensional computer program for calculating coolant and plateout fission product concentrations. (GA-A – 14401) 379681
Release of metallic fission products from multilayered coated particles. 365949
Smith, P.G.
Cancer mortality among patients with ankylosing spondylitis not given X-ray therapy. 352056
Smith, P.J.
One hundred days at Windscale. 365608
Smith, P.K.
Chemical plating method of preparing radiation source material. 357871
Preparation and characterization of oxalate-based $^{237}NpO_2$ powder. 362307
Reproducible fabrication of PuO_2 fuel. 362507
Smith, P.L.
Oscillator strengths for some Mn II lines and the solar Mn abundance. 366727
Smith, P.R.
Pressure transients across HEPA filters. 359851
Smith, R.
A simple model of ^{90}Zr. 366948
State and local planning procedures dealing with social and economic impacts from nuclear power plants. (NUREG – 0203) 352214
Stochastic acceleration by a single wave in a magnetized plasma. (LBL – 6824) 366629
Smith, R.A.
Structural analysis of TFTR toroidal field coil conceptual design. (WFPS-TME – 013) 366630
Smith, R.A.K.
Water modelling studies of the hydrodynamic characteristics of impermeable blockages in an 11-pin geometry. (AEEW-M – 1471) 376316
Smith, R.C.
Guide to good practices at plutonium facilities. (BNWL – 2086) 362604
Smith, R.D.
Nuclear fuel as a quality assurance problem. 376448
Reactions of CH_3^+(CD_3^+) with C_3H_6O isomers. 364995
Regulatory requirements for radiation protection. 368466
A review of fast reactor progress in the UK, March 1976. (IWGFR – 12) 358300
A review of the UK fast reactor programme. March 1977. (IWGFR – 18) 363526
Smith, R.H.
Estimation of microbial nitrogen compounds entering the ruminant duodenum using different reference components including a ^{32}P label. 354904
Smith, R.J.
Corrosion of steels in molten sodium hydroxide. (CONF-760503 – P2) 352773
Smith, R.L.
A LEED and AES study of the structure, Debye temperature, and oxidation of the (111) crystal face of thorium. 354493
Smith, R.M.
Safeguarding on-power fuelled reactors – instrumentation and techniques. (AECL – 5712) 361214
Safeguarding on-power-fuelled reactors. Instrumentation and techniques. 371293
Smith, R.N.
ERB-II operating experience. (CONF-770822 – 6) 366000
ERBR-II: more than a decade of experience with an experimental LMFBR power plant. 371055
Smith, R.O.
Pharmacologically induced heterogeneous myocardial blood flow detected with rapid rescanning. 354948
Smith, R.P.
Results from a model system of superconducting solenoids and phase shifting bridge for pulsed power studies for proposed tokamak EF coils. (CONF-770842 – 10) 366539, 366540
Smith, R.R.
Calorimetric and optical beam diagnostics on the LBL 120-keV neutral beam test facility. (LBL – 6383) 377367
ERB-II operating experience. (CONF-770822 – 6) 366000
ERBR-II: more than a decade of experience with an experimental LMFBR power plant. 371055
Smith, R.S.
Erratum: Application of a multiwire proportional chamber to the detection of axoplasmic transport. 358393
Smith, R.W.
Evaluation of the Maine Yankee reactor beltline materials. (IAEA – 202) 376480
Second-order sum- and difference-frequency generation via quadrupole transitions in atomic vapors. (LBL – 6918) 366324
Smith, S.W.
Industrial applications of tracers. (INIS-mf – 4203) 376294
Radioactive tracer investigation of the flow characteristics in sugar crystallizers. 365690
Smith, T.
A simple whole-body counter for measuring radionuclides in large dogs. 361027
Smith, T.E.
Determination of Rb and Sr by x-ray fluorescence in the measurement of radiometric ages. 356982
Proposal for a major modification to the ISX tokamak to study equilibrium and stability of externally heated high β plasmas in noncircular geometry. (ORNL/TM – 5985) 364254
Smith, T.H.
Analytic methods for fuel-cycle safety studies. 379332
Smith, T.I.
Initial performance of the Stanford Superconducting Recyclotron. 363180
Smith, T.M.
Heat transfer evaluation in a plasma core reactor. (CONF-760646 –) 374141
Smith, V.H.
Experiments toward medical management of radionuclides in the gut: effect of deferoxamine on $^{238}Pu(NO_3)_4$ absorption from rat gut. (BNWL – 2100(Pt.1)) 360347
Mass effect and Pu removal from rats with Ca- or Zn-DTPA. (BNWL – 2100(Pt.1)) 360346
Removal of ^{239}Pu from the rat with an orally administered chelon. (BNWL – 2100(Pt.1)) 360348
Smith, V.H. Jr.
Accurate Compton profiles for H_2 and D_2 including the effects of electron correlation and molecular vibration and rotation. 366372
Theoretical studies of the momentum distribution of molecular hydrogen. 371533
Smith, V.J.
Measurement of differential cross sections for elastic K$^+$p scattering in the momentum range 0.7 to 1.9 GeV/c. 372511
Smith, W.
A 480-channel lead glass Cherenkov detector. 355498
Smith, W.D.
Superconductive transition metal carbonitride fibers and method for the preparation thereof. (US patent document 3,951,870/A/) 357355
Smith, W.H.
Giant resonances and bound collective states observed in the scattering of 92.5-MeV electrons from the closed-neutron-shell nucleus ^{89}Y between excitation energies from 2.0 to 55 MeV. 364814
Smith, W.J.
Considerations for the long term: perpetual is not forever. (LA-UR – 77-1294) 361129
Smith, W.L.
Direct effects in the electrophilic substitution of deltahedral boranes and heterboranes. Deuteration and halogenation of 1-SB_9H_9 and $SB_{11}H_{11}$. 378406
Smither, R.K.
Coulomb excitation experiments in ^{148}Sm, ^{150}Sm, ^{152}Sm, and ^{154}Sm. (ANL – 77-60) 378062
Coulomb excitation in even-N Sm nuclei. (CONF-770968 – 10) 372814
Nuclear structure of the odd-N Sm isotopes, ^{145}Sm, ^{149}Sm, ^{151}Sm, ^{153}Sm, and ^{155}Sm. (ANL – 77-60) 378063

Smits, J.W.
Three-nucleon transfer with light projectiles. 362106
Smits, R.G.
Quenches in large superconducting magnets. (LBL – 6718) 370718
Smits, R.M.M.
Transfer of excitation between 2p levels of neon induced by collisions with neutral neon atoms. 371472
Smock, R.
U.S. leans toward denatured thorium cycle. 365850
Smock, R.W.
Utilities face pointless ban on plutonium recycle. 358596
Smokowski, R.T.
Environmental report No. 22, January – June 1977. (NP – 22643) 378948
Smol'skij, K.V.
Low-cycling strength of sheet VT1-0 titanium welds. 369865
Smol'yaninova, Eh.A.
Effect of purity and alloying with transition elements on superconductivity of vanadium, niobium or vanadium-niobium alloys. 351808
Smolarz-Dudarewicz, J.
Evaluation of lenticular changes in persons exposed to the action of the ionizing radiation. 367836
Smolenskij, G.A.
Light birefringence in magnetically-ordered crystals. 353489
Smolenskij, V.V.
Polarographic investigation of cathode processes in the NaCl-KCl-UO_2Cl_2 molten salt electrolyte. (INIS-mf – 4189) 375642
Smolin, D.A.
Automatic drive for the MIKh-2 magnetometer for measurements of pulse magnetic fields in the UTI adgesator. (JINR – 9-9586) 374377
Buffer storage blocks made in the CAMAC standard. (JINR – 10-9666) 376748
Delay time units in the CAMAC standard. (JINR – 9-9041) 350055
Smolin, M.D.
Study on self-transport in pure molybdenum. 369967
Thermal cycling effect on the thermoelectromotive force of some alloys. 349478
Smolin, V.A.
Neutron total cross-section for isotopes. (INIS-mf – 3897) 356752
Smolina, G.I.
Recovery of uranium from natural waters. 365106
Smolka, R.
Investigations of silver diffusion in HTR fuel particles. 370949
Smolkin, Yu.V.
Nuclear power plant. (Soviet patent document 431559/A/) 350256
Smolyakova, T.F.
Computer code simulating minicomputer operation on a large computer. (JINR – 11-9558) 376757
Smolyaninov, V.V.
Isolation and identification of the chemical nature of a natural modifier of radiation mutagenesis in Vicia faba and its possible mechanism of action. 362653
Smolyanskij, P.L.
Polarized luminescence and the structure of the CaF_2-Yb^{2+} radiative state. 371498
Smondyrev, M.A.
Power-law automodel asymptotics in nucleon-nucleon scattering at large angles. 349063
Smoot, G.F.
Detection of anisotropy in the cosmic blackbody radiation. 366759
Smorodin, Yu.A.
Scaling and charge ratio in the energy range 1-10 TeV. 361667
Smorodinskaya, N.Ya.
pd-scattering at large angles. 369452
Smorodinskaya, Zh.Ya.
Study of trimerization of acetylene in benzene. Catalytic activity of niobium and its oxides. 378338
Smotritskaya, Y.G.
Hydrogen permeability into niobium during cathodic polarization in hydrochloric acid. 365132
Smotryaev, V.A.
Observation of muon pairs in neutrino interactions at Serpukhov 70 GeV accelerator. 361870
Use of lavsan thin film in optical spark chambers. 379964
Smugeresky, J.E.
Low-temperature solubility of copper in beryllium, in beryllium – aluminum, and in beryllium – silicon using ion beam. 357309
Smulter, L.E.W.
Three-body forces in nuclear matter from intermediate Δ-states in three-nucleon clusters. 361998
Smutkupt, S.
Improvement of soybean protein by mutation breeding. Part of a coordinated programme on the use of nuclear techniques for seed protein improvement. (IAEA-R – 852-F) 376164
Smutny, S.
Irradiation probe and laboratory for irradiated material evaluation. 354624
Smy, P.R.
Measurements of the structure of the convection sustained ion sheath. 361629
Pulsed spherical probe measurements of plasma conductivity in a flowing continuum plasma. 356100
Smyrl, W.H.
Determination of corrosion parameters by digital impedance analysis. (SAND – 78-0038C) 378554
Experimental application of design principles in corrosion research. (SAND – 77-0680C) 373112
Snaginskij, B.N.
Storage of fast reactor spent fuel at the reactor site and in reprocessing plants. (IAEA-AG – 63-17) 368200
Snape, G.P.
UK irradiation experience relevant to advanced carbide fuel concepts for LMFBR's. 379727
Snead, C.L. Jr.
Measurements of gap anisotropy in A15 Nb_3Sn. 367247
Positron-annihilation investigation of high-temperature neutron-irradiated molybdenum. 354612
Sneden, C.
$^{12}C/^{13}C$ ratio in stellar atmospheres. VIII. The very metal-deficient giant HD 122563. 351039
Sneeringer, P.V.
Army's drinking water surveillance program. 367798
Snegirev, S.D.
Short-period fluctuations in the decimeter radio emission of the Sun. 369178
Snegovaya, V.V.
Input device for the DIN-1M spectrometer. (JINR – 10-9154) 352828
Snell, C.
Effects of porosity, strength and water content on attenuation of stresses generated by subsurface explosions in soils. (UCRL – 79113) 363121
Snell, C.M.
Final report on a calculational parameter study of soils typical of some ESSEX I cratering sites. (UCRL – 52038) 376338
Snell, R.L.
Detection of interstellar DNC. 359166
Observations of DCO^+: the electron abundance in dark clouds. 372179
Snell, V.G.
Safety of CANDU reactors. (AECL – 5800) 360954
Safety of heavy water reactors. 371002
Safety of heavy-water reactors. (AECL – 5709) 360948
Snezhko, I.A.
Fine resistance of $NbBe_{12}$ and $TaBe_{12}$ prepared by the method of diffusion saturation in vacuum. 378609
Snider, N.S.
Studies of a model of hydrogen recombination. 362213
Sniderman, M.
TFTR ultrahigh-vacuum pumping system incorporating mercury diffusion pumps. (WFPS-TME – 034) 372029
Snijder, C.B.
Mass spectrometric determination of cadmium in I.A.E.A. fish solubles. 351435
Snijder, S.H.
^{3}H-spiroperidol labels dopamine receptors in pituitary and brain. 376151
Enkephalin: radioimmunoassay and radioreceptor assay in morphine dependent rats. 362807
Snipes, M.B.
Nasal carcinomas in beagle dogs after inhalatioon of relatively soluble forms of beta-emitting radionuclides. (LF – 56) 365412
Radiation dose patterns from ^{106}Ru aerosols inhaled by Syrian hamsters. II. Retention and tissue distribution. (LF – 56) 365452
Spatial and temporal distribution of PuO_2 aerosol particles deposited in the lung of a rodent via inhalation. II. (LF – 56) 365418
Toxicity of inhaled ^{90}Sr in fused aluminosilicate particles in beagle dogs. VII. (LF – 56) 365458
Snipes, W.
Absence of two radiation-induced repair processes in a marine pseudomonad. 360243
Snitkovskaya, L.M.
Influence of glow discharge treatment of steel in argon on the adhesion of lead-zinc and lead-cadmium coatings. 349424
Snively, J.
Cell loss from three established lines of the C3H mouse mammary tumour: a comparison of the ^{125}I-UdR and the ^{3}H-TdR-autoradiographic methods. 354888
Snover, K.
Ambiguities in the determination of quadrupole strength from (p vector, γ_0). (RLO/1388 – 362) 372590
Snover, K.A.
$^{13}C(^3He,\gamma_0)^{16}O$ reaction. (RLO/1388 – 362) 372742
Direct, semi-direct and compound nuclear contribution to radiative alpha particle capture. (RLO/1388 – 362) 372591
Electromagnetic transitions in ^{13}C and ^{13}N. 351388
E1 and E2 strength in $^{15}N(p \text{ vector}, \gamma_0)^{16}O$. (RLO/1388 – 362) 372692
Radiative proton capture by carbon-12. (RLO/1388 – 362) 372721
Width of the lowest T = 2 state in ^{28}Si. (RLO/1388 – 362) 372693
Snow, A.
U.S. elevated temperature structural design standards. Current status and future directions. (IWGFR – 11) 355365
Snow, B.A.
Radiological emergency organization training. 358160
Snow, G.S.
Hot pressing large diameter PLZT electrooptic ceramics. 373293
Snow, R.H.
Prediction of cavity growth by solution of salt around boreholes. (Report No. IITRI-C – 6313-14). (ORNL/Sub – 4005/1) 352885
Summary report on salt dissolution review meeting, March 29 – 30, 1977. (Y/OWI/TM – 31) 363669
Snow, T.P. Jr.
A catalogue of 0.2 A resolution far-ultraviolet stellar spectra measured with Copernicus. 369200
Copernicus spectra and infrared photometry of 42 Orionis. 361704

Snowdon, K.J.
Cascade and quasi thermal processes in excited atom sputtering. 374689
Snowdon, S.C.
Design of superconducting high energy beam line dipole-magnetostatics. 363346
Snyder, A.M.
Transport, handling, and interim storage of intermediate-level transuranic waste at the INEL. (TREE – 1172) 380056
Snyder, C.
Effective operator selection for fossil fuel and nuclear power plants. (EPRI-SR – 28) 352985
Snyder, F.D.
Low-lying levels of ^{94}Nb. (BNL-NCS – 22500) 356778
Optical potential for ^{12}C + ^{28}Si scattering. 362046
Snyder, H.D.
Observation of a dimuon resonance at 9.5 GeV in 400-GeV proton-nucleus collisions. 351221
Observation of structure in the UPSILON region. 369378
Snyder, J.
Measurement of the π^+p and π^-p polarization parameters at 100 GeV/c. 351209
Measurements of polarization in K^-p elastic scattering at low energies. 361883
Snyder, L.E.
Circumstellar masers. 356320
Snyder, M.H.
The effect of caffeine on radiation-induced division delay. 349712
Snyder, R.E.
Erratum: Application of a multiwire proportional chamber to the detection of axoplasmic transport. 358393
Snyder, R.L.
American Crystallographic Association Project: numerical ratings of powder diffraction patterns. (UCID – 17639) 374110
Snyder, S.H.
A simple and sensitive radioreceptor assay for antischizophrenic drugs in blood. 357680
Snyder, T.M.
Conditioning of nuclear reactor fuel. 363408
Snyder, W.A.
Absence of iron line emission in Cgy X-3. (CONF-7510169 –) 364408
Soft x-rays from Her X-1 during the "off" phase. (CONF-7510169 –) 364322
Snyder, W.S.
Distribution of dose within the body from a photon emitter present in an organ. 360349
Dose to the stomach wall from injected /sup 99m/Tc pertechnetate. (ORNL – 5171) 367567
Dose-conversion factors for some fission products. (ORNL – 5171) 367594
The dosimetry of ^{241}Pu reconsidered. 355044
Estimates of photon dose to the gonads per microcurie-day as a function of the source organ and the age of the individual. (ORNL – 5171) 367601
Fifty-year dose commitment to various organs and tissues from inhalation of ^{133}Xe. (ORNL – 5171) 367556
Maximum permissible concentration (MPC) values for spontaneously fissioning radionuclides. (ORNL – 5171) 367566
Physical principles of photon dosimetry. 363078
Pregnant woman mode for absorbed fraction calculations. 360532
Specific absorbed fractions for photons emitted in the walls of the GI tract. 355028, 367560
Snyderman, N.J.
Renormalization of the Nambu-Jona Lasinio model and spontaneously broken Abelian Gauge model without fundamental scalar fields. 371437
So, B.Y.C.
Fractional release ratio of ^{137}Cs to ^{131}I as an aid in breached fuel element diagnosis. 358301
Soares, C.
Exposure spectra from NBS vertical-beam ^{60}Co gamma-ray source. Final report. (PB – 269341) 379376
Soares, C.G.
K- and L-shell x-ray production cross sections for alpha particles in the 1 to 4 MeV range on selected thin targets. 372815
Soares, D.
Eigenvalue treatment of cosmological models. (CBPF – A0023/76) 355816
Soares, I.D.
Relativistic model of a spherical star emitting neutrinos. (CBPF – A0002/77) 349028
Sobajima, Makoto
An experimental study on PWR-LOCA by ROSA-II, (2). 360920
Sobel, H.W.
Neutrino stability – inverse square test. 353985
Sobiczewski, A.
An asymptotic form of the smooth part of the total single-particle energy. 356656
Microscopic calculations of the potential energy surface for deformed and transitional nuclei. 354111
Sobieszczyk, S.
Radioimmunoassay of luteinizing hormone in hypothyroidism. 373773
Radioimmunologic determination of Hepatits B antigen by the steady phase method. 367719
Sobiev, A.S.
Austenite yield strength variations during martensite transformation. 369910
Sobol', A.A.
Spectroscopy of rare earth ions in non-equivalent knots of crystal lattice of aluminium and gallium garnets. (INIS-mf – 3955) 362153
Sobol', I.M.
Multiple Compton scattering on relativistic electrons. The Monte-Carlo calculation of radiation spectrum. 374949
Sobol', Ya.G.
Kinetic properties of NR10-VP alloy. 349514
Sobolev, A.S.
Action of radioprotective drugs on the level of adenosine cyclic 3',5'-monophosphate and on the activities of adenylate cyclase and adenosine cyclic 3',5'-monophosphate phosphodiesterase. 349753
Effect of radioprotective biogenic amines on peroxide oxidation of lipids in rat small intestine mucosa microsomes. 365399
The effect of radioprotectors and ionizing radiation on the cAMP system. 360228
Sobolev, A.T.
Investigation of EPR spectra of Gd^{3+} in complex niobates. (INIS-mf – 3955) 366471
Sobolev, B.P.
Study on interaction of zirconium and hafnium tetrafluorides with calcium fluorides. 369693
Sobolev, B.V.
Timer for synchrophasotron injector. (JINR – 13-9114) 358003
Sobolev, L.M.
Luminescent properties of yttrium silicates activated by cerium at various forms of excitation. (INIS-mf – 3955) 377264
Sobolev, O.P.
Stationary spectra of high frequency oscillations of a plasma in a magnetic field. 377360
Sobolev, S.S.
New high-current relativistic electron beam accelerators at the I.V. Kurchatov Institute of Atomic Energy. (IAEA – 200) 364164
Sobolev, V.I.
Device for sampling and storage of instanteneous values of an analog signal. 376737
Sobolev, V.L.
Relaxation of NMR signal near the point of reorientational phase transitions of the second type in rare-earth orthoferrites. 355941
Sobolev, V.V.
Automatic method of acid refining of thin-dispersed zircon. 375930
Reflectance spectra of crystals of the ZnTe-CsTe system. 365238
Soboleva, A.A.
Catalytic properties of V_2O_5-Nb_2O_5 system. 351570
Soboleva, Eh.L.
Action of some biologically active preparations on the cell population of stem haemopoietic fraction and on the survival of irradiated mice. 367512
Soboleva, L.V.
On thermal properties of the $Cs_3Cu_2Cl_5x2H_2O$ crystal. 359695
Soboleva, T.E.
Preparation and certain properties of the films of solid solutions of the system Bisub(2)Tesub(3-x)Sesub(x). 378607
Sobolevskaya, S.V.
Effect of transformations of radiation induced defects on the electric conductivity and EPR of LiF crystals. (INIS-mf – 3245) 349589
Sobolewska, I.
The effect of density deviation on concrete attenuation effectiveness. 376428
The tables of gamma-ray build-up factors for 29 elements. 375096
Sobornov, O.P.
CsI(Tl) detectors with well in low-level gamma spectrometry. 375361
Sochaski, R.O.
A cost comparison of nuclear and fossil power for the Alberta tar sands. (AECL – 5682) 363702
Soda, Kunihisa
Analysis of LOFT (L1-2) experiment by code RELAP-4J. (JAERI-M – 7037) 355009
Subcooled decompression analysis of LOFT L1-3A test data with digital computer code DEPCO-MULTI. (JAERI-M – 7173) 379287
Soda, N.
Concentration profiles of Cr, Ni and Cu implanted into mild steel. 368805
Soda, Toshio
Spin relaxation effects in non-linear parallel ringing of magnetization in superfluid ^{3}He. 377700
Sodan, H.
Asymmetric mass distribution from the fusion- fission reaction ^{40}Ar + ^{243}Am. 359495
Sodd, V.J.
Personnel exposure from an unshielded pulmonary ventilation system. 365630
Soderblum, L.A.
Voyager imaging experiment. 374966
Sodha, M.S.
Effect of self-focusing on parametric back-scattering and absorptive instabilities in a plasma. 368991
Sodhi, A.V.
Cross sections of $K^-n \rightarrow \Sigma^0\pi^0$ in the centre-of-mass energy interval 1850-2160 MeV. 372524
Sodja, J.
Operating experience with the polarized electron gun at SLAC. 363130
Sodomka, L.
The fourth conference of Czechoslovak physicists, Liberec (Czechoslovakia), 18.-22. 8. 1975. 1. 366873

The fourth conference of Czechoslovak physicists, Liberec, (Czechoslovakia), 18.-22. 8. 1975. 1. 353073, 353086, 353789, 353804, 353826, 353863, 353941, 353967, 353968, 353992, 354030, 354061, 354087, 354106, 354152, 354178, 354184, 354200, 354208, 354233, 354268, 354325, 354382, 355488, 356398, 356784, 366885, 366891

Soederberg, M.
Ionic effects on the uptake of chloromercuribenzene-p-sulphonic acid by pancreatic islets. 354872

Soedyartomo
The beta radiometric analysis of uranium in solution. (PPGM – L119-76) 364915
Measurement of strontium 90 in the rain fall-out. (PPGM – L105-76) 364919

Soeffge, F.
Neutron depolarization on a Ni-single crystal in the vicinity of the Curie point. 361473
Thermal expansion anomaly of nickel near the Curie point. 348845

Soekarno
Experiment on radiation shielding. Part I: Preparation. (PPGM – L99-76) 365816

Soeldner, F.
Anomalous transport in shock produced plasmas. (INIS-mf – 3963) 353538
Electron and ion heating in a high-voltage belt pinch. 350945
Investigation of shock compression in toroidal geometry in the high voltage belt pinch. (IPP – 1/162) 350944

Soeler, F.
Restrictive conditions for gravitational radiation. 366302

Soeln, J.
The equivalence of casual and noncasual descriptions of photon emissions. 353154

Soeno, Ko
Precipitation in maraging steels containing 10-18%Ni, 10%Co and 5%Mo. 367275

Soeoet, O.
Dry spent fuel cask handling system. 352479

Soeremark, R.
Dissolution ad uptake of cadmium from dental gold solder alloy implants. 373584

Soerensen, L.
Comparative analyses of action spectra of glycolate excretion ('photorespiration') and photosynthesis in the blue-green alga Anacystis nidulans. 360350

Soerensen, L.H.
Factors affecting the biostability of metabolic materials in soil. 357664

Soerensen, O.H.
Measured temperature dependence of the cos phi conductance in Josephson tunnel junctions. 367926
Nonresonant detection of Josephson radiation from thin-film microbridges. 374015
X-band singly degenerate parametric amplification in a Josephson tunnel junction. 370720

Soerensen, T.
Methodological aspects of tear flow determination by means of a radioactive tracer. 357655

Soergel, V.
Measurement of the $(K^+ \rightarrow \pi^0 \mu^+ \gamma)/(K^+ \rightarrow \pi^0 e^+ \gamma)$ branching ratio. 356509
A new measurement of the weak magnetism term in the betaspectra of ^{12}B and ^{12}N. 356797

Soeroto Ronodirdjo
Review on heavy water separation at pilot scale. (PPGM – R90-76) 367860

Soete, W.
Fracture mechanics and welding. (IAEA – 189) 360827

Sofer, G.A.
In plant behavior of LWR elements. 370894

Soff, G.
The dependence of Coulomb fission on nuclear structure. 367000
Inner shell ionization in the Pb-Pb quasimolecule. 377120
Ionization, X-rays and positron production in Pb-Pb and U-U collisions. 353192, 376973
K-X-ray spectrum of the Pb+Pb quasimolecules. 377905

Soffer, J.
Asymmetry for large-psub(T) π^0 production by polarized protons on the parton model. 361771
Unitarity bounds on angular distribution in multiparticle production II. 351151

Sofia, H.M.
The renormalization of single-particle states in nuclear field theory. 372582

Sofia, S.
Nature of the x-ray Nova A0620-00. (CONF-7510169 –) 364317
On the emission of neutrinos and gravitational waves in the formation of neutron stars. 366714

Sofianos, S.
The unitarity pole approximation for the binding energy of ^4He. 372669

Sofiev, G.N.
Multi-purpose linear discriminator. 363605

Sofue, Yoshiaki
A computational and observational study of peculiar galaxies in the Coma cluster. 348992
A line of peculiar galaxies associated with the cD galaxy NGC4889 in the Coma cluster. 366760

Sofuni, Toshio
Cytogenetic studies of A-bomb survivors and their children in Hiroshima and Nagasaki. 370379

Soga, F.
Proton inelastic scattering from ^{110}Cd and ^{112}Cd at isobaric analog resonances and analysis with the quasiparticle random-phase approximation. 354267
A scattering chamber at the INS sector focusing cyclotron. (INS-TL – 132) 350089

Soga, M.
An elementary U(2) theory of radiation fields with spin J. 353121

Sogomonyan, R.G.
Ionic melts as media for growing of monocrystals of compounds with crystal structure of pyrochlor. (INIS-mf – 4193) 378215

Sohma, J.
Spin trapping of radicals formed in γ-irradiated 2-MTHF glass. 357170

Sohrabi, M.
Past, present, and future radiation protection trends in Iran. 352296

Sohrabpour, M.
Manpower training approach in the Atomic Energy Organization of Iran. 352609

Sohval, A.R.
X-ray spectroscopy with the ANS satellite. (CONF-7510169 –) 364401

Soignet, D.M.
Analytical methods for determining the concetration ratio in mixtures of trioctylphosphine oxide and di(2-ethylhexyl)phosphoric acid. 364916

Soinski, A.J.
Coupled-channel α-decay theory for odd-mass nuclei: ^{253}Es and ^{255}Fm. 366957

Sokachev, E.
On gauge spinor superfield. 353883
Superfield equations of motion. 355817

Sokachev, Eh.
Equations of motion for superfields. (JINR-D – 2-9788) 374580

Sokdoff, D.D.
The scale and strength of the galactic magnetic field according to the pulsar data. 372254

Sokol, S.K.
Synthesis and crystal structure of potassium trisulfatouranylate, $K_4[UO_2(SO_4)_3]$. 349328

Sokol'skij, D.V.
Effect of pH value of medium on rate of acetone hydrogenation on some metals of 8. group. 349296
Effect of radioactive radiation on catalytic properties of solid materials. 370219
Hydrogenetion of unsaturated compounds at irradiated by α-and β-particles catalysts. 373091
Liquid-phase reduction of o-nitrophenol on osmium-platinum catalysts deposited on thorium oxide. 349295
Physicochemical investigation into modified skeletal copper catalysts of glucose hydrogenolysis. 378347
Selectivity of the 8. group metals in hydrogenation of isomeric hexynes. 369704

Sokol'skij, V.V.
On the problem of activation determination of nitrogen in petroleum. 354283

Sokole, E.B.
Location and size of acute transmural myocardial infarction estimated from ^{201}Tl scintiscans. A clinicopathological study. 352134

Sokolenko, A.S.
Cheosing radiometer optima parameters for crush ore enrichment using combined method. 349657

Sokolov, A.A.
Observation of possible production and decay of short-living heavy neutral particles in the SKAT neutrino experiment. 353930
On a possible mechanism of lepton direct production in pN-collisions. (IFVE-PPK – 76-53) 369334
On some possibilities for existence of the lepton weak (V + A) interaction. (IFVE-PPK – 76-36) 349082
Radiometric determination of titanium vessel wall corrosion. 351667
Synchrotron radiation in a medium with account of polyarization and spin effects. 374588

Sokolov, A.D.
Timing properties study of serial coaxial Ge(Li) detectors of large volume. 371078

Sokolov, A.M.
Cavitation strength of melts of decomposed semiconductor joints of HgTe-CdTe alloy system. (INIS-mf – 3914) 349480
Device for synthesis of decomposing semiconductor compounds in ultrasonic field. (INIS-mf – 3914) 349385
Intensification of homogenizing annealing of Hgsub(0,8)Cdsub(0,2)Te alloy in ultrasonic field. (INIS-mf – 3914) 349384
Peculiarities of HgTe-CdTe alloy system crystallization in ultrasonic field. (INIS-mf – 3914) 369930
Physical and chemical investigation of the HgTe-CdTe system. 357268, 362397, 362458
Using erosion activity criterion for the evaluation of optimum conditions for molten alloy ultrasonic homogenization. (INIS-mf – 3914) 349426

Sokolov, A.P.
Dielectric characteristics of solid solutions. (INIS-mf – 4189) 375490
Extraction of platinum metals by alkyl anilines from solutions of chlorination of industrial copper-nickel half-finished products. 362180

Sokolov, A.Ya.
Radioactive tracer study of process of treating colloidal capillary-

porous materials with vapor. 367895
Sokolov, B.G.
Nickel intermetallic compound sprayed in vacuum. 369915
Sokolov, B.N.
The prospects of rhenium application in mass spectroscopy. 349530
Sokolov, D.N.
Gas chromatographic analysis of metals in the form of valatile complexes. 375362
Sokolov, E.A.
On the stability requirements to be met by spectrometer in measurements of intensity ratio of capture gamma radiation. 351949
Sokolov, G.A.
Treatment of open-hearth steel by lime-silicate melts. 354488
Sokolov, L.D.
Investigation of hardened titanium (al'fa + beta)-alloys deformability. 351777
Sokolov, M.V.
Deuteron disintegration on heavy nuclei and allowance for neutron interaction in a final state . . 377886
Deuteron disintegration on lead isotopes. 377887
Sokolov, N.A.
Technique for study on the texture of internal surfaces of cylindrical bodies. (Soviet patent document 463897/A/) 368838
Sokolov, N.I.
Design and physical principles of the finger-ring T-12 Tokamak with two axisymmetrical diverters. (ORNL-tr - 4530) 377355
Sokolov, O.G.
On the metal resistance to microplastic deformations. 370052
Sokolov, S.N.
Nonlocal relativistic hamiltonian quantum field theory. (JINR-D - 2-9788) 374589
Sokolov, V.A.
Combined action of an ionizing radiation and light on peroxidase. 370323
Fabrication of cold-rolled bands of the alloy-ehi 702 in rolls. 373158
Phase transformations during roasting of zircon-fluoride charge. 349566
Sokolov, V.D.
On possible influence of cosmic rays on ozone content change in the stratosphere. 357548
Sokolov, V.I.
Metallography preparation of niobium tape for grain orientation determination from electron microscopy imaaes. (INIS-mf - 3839) 365172
Sokolov, V.N.
Release of volatile fission products from atomic power stations and fuel reprocessing facilities to the atmosphere and the outlook for their recovery. 367194
Sokolov, V.P.
Relativistic nucleus dosing for two-meter propane chamber. (JINR - 13-10353) 379891
Sokolov, V.S.
Fabrication of sheets of composite materials with brittle filament without destructing them during rolling. 357227
Sokolov, V.V.
The Gd_2S_3-Cr_2S_3 system. 375551
Method for separation of iodine from natural water. (Soviet patent document 339130/A/) 375478
Sokolov, Yu.A.
Light impurities in a tokamak plasma. (IAE - 2586) 368967
Plasma heating in the TM-3 tokamak by electron cyclotron-resonance at magnetic fields up to 25 kOe. (IAE - 2564) 368912
Scheme of hydrogen bonds in lanthanum perrhenate tetrahydrate $La(ReO_4)_3x4H_2O$. 359653
Sokolov, Yu.F.
Magnetoresistance in n-type InSb semiconductor samples of finite sizes at 77degK. 354562
Sokolov, Yu.I.
Production of radioactive sodium under working conditions for investigation into petroleum boreholes. 365273
Sokolov, Yu.V.
Preparation of textured layers of ferroelectric materials by means of high-frequency spraying technique. 364968
Sokolova, G.V.
On the metal resistance to microplastic deformations. 370052
Sokolova, I.F.
Investigation into Cu-CdSb section of Cu-Cd-Sb ternary system in copper-rich portion. 359888
Investigation of the germanium telluride-bismuth telluride-antimony telluride system. 359579
Sokolova, I.G.
Studying lattice period changes in ruthenium base ternary solid solution using experiment mathematical planning method. 349429
Sokolova, I.K.
Comparative study of the absorbed dose rate of mixed gamma and neutron radiations in the WWR-M reactor experimental channel for biological studies. 379381
Sokolova, L.V.
Proliferative activity of the Shvetz tumour following a single and repeated irradiation. 360272
Sokolova, N.P.
Some problems of rare earths extraction by sulfoxides. 357230
Sokolova, T.G.
Aging resistance and stabilization of high density polyethylene formed on vanadium-containing catalyst. 357031
Sokolova, V.A.
Energy dependence of prompt neutron number from fission fragments. (INIS-mf - 3896) 356561
Sokolova, V.I.
Polarization properties of $CdSnP_2$ diodes. 374750
Sokolovskaya, E.M.
Interaction of silicon carbide filaments with the matrix of a complex nickel alloy. 370088
Studying lattice period changes in ruthenium base ternary solid solution using experiment mathematical planning method. 349429
Thermodynamic properties of solid solutions of niobium and tungsten in nickel. 354384
Sokolovskaya, L.A.
Kinetics of some fast reactions of organic reagents with metal ions. (INIS-mf - 4192) 375558
Sokolovskij, B.M.
Binary tungstates of potassium and rare earths. 351571
Double molybdates of potassium and rare earths. 359696
Sokolovskij, Eh.V.
Borehole isotope injector. (Soviet patent document 306438/A/) 376276
Sokolovskij, L.L.
Decay of ^{115}Cd and sup(115m)Cd. (IAE - 2414) 354199
Sokolovskij, V.V.
π^- C^{12} interaction followed by neutral particle production at 40 GeV/c. (ITEF - 6) 353933
Sokolowska, W.
Spectrographic determination of metallic impunties in indium and its alloys with gallium. 372929
Sokolowska, Z.
Radioisotope applications for investigation of physicochemical properties of soils. 373426
Sokolowski, E.
Practical approach to the transfer of nuclear technology. 352564
Sokolowski, J.S.
Status report on Stanford's superconducting heavy ion linac project. 363347
Sokolsky, P.
Recent results from counter-spark chamber ν experiment at BNL. 353980
Sokolyanskij, B.M.
Investigation into durability and thermal fatigue of the 12Kh1MF steel. 362472
Sokovikov, A.M.
Study of the crack growth arrest in laminated metal composites. 375852
Sokurskij, Yu.N.
An investigation of helium release from structural materials during heating. 360124
Sola, A.
Nuclear transmutation of actinides other than fuel as a radioactive waste management scheme. 368363
Solakhyan, V.P.
To the problem of determination of values of total cross sections of multiparticle-states interaction with nucleons from experiments on nuclei. 349062
Solanilla, R.
Coarse-mesh finite difference methods applied to a large PWR core. 360774
Education and training for reactor core analysis at AEOI. 352438
Solarz, R.W.
Identification of Rydberg states in the atomic lanthanides and actinides. (UCRL - 79550) 358802
Multiphoton spectroscopy in heavy elements. (UCRL - 79470) 363926
Rydberg series in the lanthanides and actinides observed by stepwise laser excitation. (UCRL - 79521) 361406
Solbeck, K.
Testing of piping in nuclear power plant. 376427
Solberg, J.E.
Degradation of EMP hardening devices. (SAND - 77-1500C) 366065
Soldaeva, N.P.
Solid-phase chemiluminescence and electrochemiluminescence of sulfuric-acid solutions of uranyl. (INIS-mf - 4195) 375646
Soldat, J.K.
Age-specific radiation dose commitment factors for a one-year chronic intake. (NUREG - 0172) 379062
Population dose commitments due to radioactive releases from nuclear power plant sites in 1975. (PNL - 2439) 379089
Soldatov, A.A.
Effects impeding the observation of weak neutral interaction between muons and nuclei in light mesic atoms. 368640
Polarization mechanism of parity nonconservation and the weak neutral interaction effect in heavy μ mesic atoms. 374617
Soldatov, V.M.
Effect of elastic deformation on electric conductivity of thin wires and strips of molybdenum-rhenium and tungsten-rhenium alloys. 349482
Soldatov, V.S.
Thermodynamics of ion exchange on sulphonated copolymers of styrene and divinyl benzene. 349297, 367130
Soldatova, N.N.
Saturation of the EhP310-steel with nitrogen during plasma-arc melting. 351790
Solem, J.C.
Exploratory laser-driven shock wave studies. (LA - 6997-MS) 373272
Solenchek, D.
Radioimmunoassay for lutenizing hormone. (IA - 1338) 365495
Soler, M.
Internal disruptions in tokamaks. 374826

Solfanelli, S.
Imaging of pulmonary ventilation in asthma assessed with continuous inhalation of krypton-81m. 354931
Soliani, G.
On the distribution of zeros of the grand partition function for a gas of hard rods. 353108
Solimene, N.
Derivation of equations of motion of noncanonical operators from an action principle. 358633
Solin, N.I.
Effect of a strong electric field on SHF absorption in Cdsub(1-x)Agsub(x)Crsub(2)Sesub(4) ferromagnetic semiconductor. 348846
Ferromagnetic resonance and dielectric losses in EuO. 361474
Solin, S.A.
Electronic Raman scattering from valley-orbit transitions in uniaxially stressed Ge(As). 365152
Optical probes of the lattice dynamics of graphite. (COO – 2126-38) 378790
Raman scattering from graphite intercalated with rubidium. (COO – 2126-39) 373327
Raman scattering from intercalated donor compounds of graphite. 360049
Study of vibrational and electronic excitations in ordered and disordered solids. Progress report, September 1, 1976 – August 31, 1977. (COO – 2126-37) 362518
Solnicka, H.
Determination of the neutron radiation doses on the basis of measuring the activities induced in a human phantom irradiated at a neutron generator. 349923
Solntsev, A.M.
Search for fractional-charged particles in sea water, ocean sediment deposits and volcano lava. 377815
Solntsev, K.A.
Crystal structure and physicochemical properties of $SrB_{12}H_{12}x7H_2O$. 349298
Solntsev, V.P.
Luminescence centers in some tungstates and molybdates. 361456
Radiation excited triplet states in quartz. (INIS-mf – 3955) 378815
Solntseva, L.E.
On solidification kinetics of bath in pulsed arc welding of sheet materials. 375795
Solnyshkov, A.I.
State of and prospects for the application of neutron generators in national economy. (INIS-mf – 4194) 376363
Solodikhina, R.A.
Device for spectrometry of powerful pulse X-radiation fluxes. (Soviet patent document 441491/A/) 354657
Solodkin, G.A.
Tungsten interaction with beryllium oxide. 369956
Solodkov, A.I.
Arc welding of vanadium alloys in helium with oxygen additions. 375780
Solodov, E.P.
Measurement of mass of the phi-1019 resonance. (JINR-D – 1,2-9342) 356490
Solodov, Yu.P.
Study of phase-structural variations of tantalum carbides during long-time heating in vacuum. 378430
Solodova, M.Ya.
Sigma-methylcyclopentadienyl tricarbonyl manganese complexes of transition metals. 375526
Solodovchenko, S.I.
Effect of fluctuating electric fields on superbanana diffusion of plasma in stellarator. (INIS-mf – 3963) 372076
Effect of magnetic surface parameters on low-frequency fluctuations of plasma. (KFTI – 74-36) 348974
Solodyna, C.V.
Observations of the birth of a small coronal hole. 356321
Open magnetic fields in active regions. 372282
Solok, A.M.
On quality of metal rolled using elastic oscillations energy. (INIS-mf – 3914) 349537
Solomatin, V.T.
Application of metallocene compounds and organic solvents in analytical chemistry. (INIS-mf – 4192) 378166
Ferrocene-reagent for photometric and atomic absorption determination of some elements. (INIS-mf – 4192) 375363
Solomentsev, A.N.
Use of graphite cascades for analysis of oxyden and nitrogen in steels. 372881
Solomko, A.A.
Optical studies of magnetostatic type precession in yttrium ferrite garnet. 374710
Solomko, V.P.
Certain peculiarities of the carbon behaviour in preeutectic steel following electroslag remelting. 357318
Solomko, Yu.V.
Way of treatment of molybdenum-base alloys. (Soviet patent document 437811/A/) 375814
Solomon, A.
Use of rare-earth radionuclides and other bone-seekers in the evaluation of bone lesions in patients with multiple myeloma or solitary plasmacytoma. 362777
Solomon, A.M.
Ksub(1sub(3))- and Ksub(1sub(4))-formfactors in nonlinear chiral calibration SU(3) x SU(3) model. 364514
Solomon, D.
Depth profiling of hollow spherical glass (laser fusion) targets. 368992
Solomon, D.E.
Container for hydrogen isotopes. (US patent document 4,055,276/A/) 370730
Solomon, D.H.
Preparation of high-specific-activity radioactive iodothyronines and their analogues. 373024
Solomon, D.L.
Dosimetry for human exposures. (ORNL – 5171) 367525
Solomon, J.E.
Optical detection of atmospheric ^{238}U decay products. 351950
Solomonidis, E.
Interaction of hyperthermia and radiation: temperature coefficient of interaction. 360230
Interaction of hyperthermia and radiation: the survival surface. 360229
Solomonov, A.V.
Radiation recombination of free excitons in Gasub(x)Insub(1-x)P with nonstraight band structure. 368867
Solomonov, V.M.
Efficiency of alpha radiation detection by means of scintillation plastic granules. 371093
Solonichnyj, Ya.V.
Structure and properties of tein telluride-zinc telluride films. 375834
Solonin, Yu.M.
Thermodynamic approach to the estimation of carbon and rhenium effect on stacking fault energy VA – VIA group metals. 349535
Solontsov, A.Z.
Neutron scattering by quantum magnetic excitations in normal and ferromagnetic metals. 368864
Solopov, A.P.
Circulation evolution in a secondary coolant circuit of a nuclear power reactor model while sturting-up. (FEI – 615) 358037
Flow rate distribution over parallel channels in the model of water-water reactor with natural circulation. (FEI – 616) 358215
Flow rate measurements by the cross-correlation of thermocouple stochastic signals in circuits with natural convection of a coolant. 379992
Solopov, V.I.
Copper-based internally-oxidized alloys-heat resisting materials for electric conductors. 375760
Solov'ev, A.M.
Optimization of RS-tape apparatus radiation protection. 349941
Solov'ev, A.V.
Mathematical modeling of linear and surface defects. 355960
Solov'ev, E.A.
Quasi-energy solutions for a potential with a variable depth. (INIS-mf – 3915) 348692
Studing ligand dentation by EPR. (INIS-mf – 4192) 375582
Transitions from a discrete level to continuous spectrum on adiabatic variation of potential. 366373
Solov'ev, E.E.
NMR frequencies for Fe^{57} nuclei in the range of spin reorientation in crystals of mixed composition orthoferrites. 374784
Relaxation of NMR signal near the point of reorientational phase transitions of the second type in rare-earth orthoferrites. 355941
Solov'ev, G. N.
Use of digital and analog computers in nuclear physics and technology. (INIS-mf – 3909) 374518
Solov'ev, G.N.
Connection of the NRD scanning automat and a digital computer using a buffer memory device system. (INIS-mf – 3909) 374529
Control computer system for a proton cyclic accelerator. (INIS-mf – 3909) 374042
Dispatch software for a control computer system of a cyclic accelerator. (INIS-mf – 3909) 374097
Some problems of computer software construction for data processing obtained by methods for experiment planning. (INIS-mf – 3909) 374538
Use of digital and analog computers in nuclear physics and technology. (INIS-mf – 3909) 374040, 374042, 374043, 374046, 374047, 374079, 374088, 374097, 374098, 374519, 374521, 374528, 374529, 374534, 374538
Use of the time scanning method for analysis of multiprogram digital computer programs. (INIS-mf – 3909) 374518
Solov'ev, K.N.
Polarization of phosphorescence of symmetric metalloporphyrins. 351595
Translucence of complexes of phthalocyanine with rare earth ions under action of ruby laser. 357050
Solov'ev, L.A.
Ionic melts as media for growing of monocrystals of compounds with crystal structure of pyrochlor. (INIS-mf – 4193) 378215
Solov'ev, L.D.
Electromagnetic effects in resonant processes on colliding beams. (IFVE-OTF – 76-43) 375017
On an increase of total cross sections at high energy. 359316
Solov'ev, L.S.
Calculation methods for output characteristics of charged particle beams in a linear accelerator. (INIS-mf – 3909) 374088
New approach for calculation of optimal characteristics of a linear accelerator. (INIS-mf – 3909) 374043
Solov'ev, M.A.
Present state of axiomatic quantum nonpolynomial growth field theory. (JINR-D – 2-9788) 374590
Solov'ev, N.A.
Comparative evaluation of group constants from UKNDL and the BNAB-70 system. (INIS-mf – 4043) 360759

Software for the computized neutron data library of the SOKRATOR system. (INIS-mf - 4043) 363737
Solov'ev, N.S.
Thermonuclear investigation development. 356149
Solov'ev, S.M.
Determination of some product yields in ^{252}Cf fission by means of measurement of soft electromagnetic radiation. (INIS-mf - 3896) 356748
Ultrahigh vacuum facility with the helium cryocondensation pump. (KFTI - 75-10) 352387
Solov'ev, V.A.
Neutron irradiation effect on the nature and thermal stability of radiation defects in ZrHsub(1,9) hydride. (FEI - 688) 373338
Solov'ev, V.F.
Deep-inelastic scattering of leptons on virtual particles. 375052
Solov'ev, V.G.
Calculation of E1-radiation strength functions for semimagic nuclei. 369454
Effect of residual interaction in a particle-particle channel on low-lying state properties of spherical nuclei. 377942
Solov'ev, V.V.
Production of superfast pions in collisions of relativistic deuterons with protons and nuclei. 375042
Solov'ev, Yu.A.
Corrosion resistance of carbon steels in conditions of steam lines of APS with boiling-water reactor VK-50. 375728
Solov'eva, G.M.
Synthesis of heavy isotopes of Ku in bombardment of Cm by 0 ions. 349134
Solov'eva, L.V.
Uranium in the Black Sea. 351955
Solov'eva, N.N
X-ray study of double sulfates of rare earths with potassium, $5K_2SO_4xLn_2(SO_4)_3$. 375591
Solov'eva, V.I.
Some characteristics of nuclear interactions on the basis of study on extensive air showers. 361708
Study on spatial distribution of muons in extensive air showers of different age. 362605
Soloviev, V.G.
Fragmentation of giant multipole resonances over two-phonon states in spherical nuclei. 354112
Solovieva, V.I.
Violation of scale invariance in hadron interactions at super-high energies. 356336
Solovtsev, I.L.
Hypothesis of factorizability in the quark model and large-angle elastic scattering of hadrons. 369322
Solovtsov, I.L.
Asymptotic behaviour of hadron cross sections in the quark model with factorizability assumption. (JINR-R - 2-10490) 349077
Solyakin, G.E.
Fission of medium mass nuclei induced by 1 GeV protons. (ZfK - 336) 364735
Technique for measurement of relative cross sections of nuclear fission. (LIYF - 171) 379943
Som, M.M.
Exact relativistic solution of disordered radiation with planar symmetry. 350551
Som, P.
Effects of preloading of stannous compounds on the distribution of sup(99m)Tc-pertechnetate. 352157
Radiopharmaceuticals. XXVII. ^{18}F-labeled 2-deoxy-2-fluoro-D-glucose as a radiopharmaceutical for measuring regional myocardial glucose metabolism in vivo: tissue distribution and imaging studies in animals. 373600
Soma, Y.
Electron scavenging by COS in the radiolysis of supercritical cis- and trans-2-butene. 362275
Soman, S.D.
Preparation and dosimetric properties of BeO discs using thermally stimulated exoelectron emission. 355561
Regulatory requirements for radioactivity management in India. 367806
Tritium persistence pattern in some terrestrial plants-field investigations. (INIS-mf - 4140) 373627
Tritium turnover in succulent plants. (INIS-mf - 4142) 376137
Uptake of tritium from HTO exposure in the fresh water fish Tilapia mossambica. 349785
Uptake of tritium through foliage in capsicum fruitescens, L. (INIS-mf - 4141) 373608
Somasundaram, S.
Spectrum shapes of low-energy photon sources. 361942
Studies on in vivo calibration of a plutonium lung monitor. 371137
Sombor, A.
Mixed-bed system with outer regeneration. 365852
Sombret, C.
Confinement of radioactivity in glass. 358490
Continuous vitrification of concentrated fission product solutions. (KFK-tr - 541) 368370
Current developments in continuous vitrification of fission product solutions. 358487
Somekh, R.E.
The sputtering of high Tsub(c)A15Nb_3Si and V_3Ge. 359882
Somekh, S.
Critical currents associated with the interaction of commensurate flux-line sublattices in a perforated Al film. 369940
Somenkov, V.A.
Ordering domain in vanadium deuteride. 358870
Study of domain structure of ferromagnets by small angle neutron scattering. 361472
Technique for neutron beam intensity modulation. (Soviet patent document 444498/A/) 375080
Someno, M.
Preferential sputtering on binary alloys by SIMS. 368732
Secondary ion mass spectrometry of deuterium in Ti, Zr, V, Nb, and Ta. 369572
Somerville, L.P.
Possible mechanisms for ^{256}Fm and ^{256}Md production in the compound system $^{264}104$. (LBL - 5075) 356891
Somerville, W.B.
Non-anomalous diffuse interstellar absorption features in Rho Leonis. 359055
Someya, Kazuhiko
Analysis of radioassay data using four-parameter logistic function. 360395
Sominen, F.A.
Consequences of postulated losses of LWR spent fuel and plutonium shipping packages at sea. (PNL - 2093) 379465
Somiya, S.
Hydrothermal growth of Y_2O_3-stabilized cubic ZrO_2 crystals. 362499
Sommer, D.
Experimental power ramps in KWO and KWR-A fuel elements. 370836
Monitoring of power gradients in reactor operation using the BLUS code. 370859
Sommer, E.
Experimental investigations of fracture spreading in thick-walled components. 354520
Growth characteristics of part-through cracks in thick-walled plates and tubes. 351809
On the behaviour of Cracks and its analysis using fracture mechanics. (IAEA - 189) 360828
Sommer, G.
Self-interstitial location in boron-implanted silicon crystals measured by backscattering method. (INIS-mf - 3996) 364020
Sommer, H.
Safety requirements on nuclear process heat facilities with HTR reactors. 370974
Sommer, H.A.
Thin window Si(Li) detectors for the ISEE-C Telescope. (LBL - 6434) 379960
Sommer, J.
The influence of anisotropic ion pressure on non-symmetric toroidal high-beta equilibria. (INIS-mf - 3963) 371964
Sommer, M.A.
Carbon isotopic compositions of recent planktonic foraminifera of the Indian Ocean. 373448
Sommer, P.
Ascertaining the failure rates of Diesel aggregates and electronic plug-in units for determining the failure probability of safety systems. 352480
Sommer, W.
sup(99m) technetium-zirconium complex, method of production, and uses in nuclear medicine. (German (F.R.) patent document 2428702/A/) 375637
Sommer, W.C.
Test and acceptance from the AE point of view. 358161
Somogyi, A.J.
Analysis of the complex solar particle event on April 29-30, 1973. 366700
Correlation of propagation characteristics of solar cosmic rays detected on board the spatially separated space probes Mars-7 and Prognoz-3. (KFKI - 77-38) 356242
Fluctuations of approximatelly 10^{14} eV cosmic rays. (KFKI - 77-51) 356224
Somogyi, G.
Automatic spark counting of alpha-tracks in plastic foils. 352826
Comparative study of the ion transport process in a membrane system by quantitative autoradiography, using photoemulsion and plastic track detector. 375597
On the detection of low-energy ^4He, ^{12}C, ^{14}N, ^{16}O ions in PC foils and its use in nuclear reaction measurements. 368325
A spatial track formation model and its use for calculating etch-pit parameters of light nuclei. 368324
A study of the basic properties of electrochemical track etching. 362548
Somoqyi, A.J.
Study of coronal and interplanetary propagation of solar particles following the E45 deg solar flare on July 29, 1973. (KFKI - 77-39) 356243
Somorjai, G.A.
Adsorption of benzene on the Pt(111) surface studied by low-energy electron diffraction intensity measurements and quantitative Auger electron spectroscopy. 369707
Corrosion and ESCA studies of uranium after exposure to an RF discharge. (UCRL - 78939) 351664
Electron induced luminescence as a technique for studying the adsorption of oxygen and the oxidation of thorium. 378594
A LEED and AES study of the structure, Debye temperature, and oxidation of the (111) crystal face of thorium. 354493
Molecular beam study of the $H_2 - D_2$ exchange reaction on stepped platinum crystal surfaces: Dependence on reactant angle of incidence. 368696
Somov, B.V.
Current sheets as the source of heating for solar active regions. 372270

Somov, L.N.
Scattering problem in quantum mechanics as an eigenvalue problem. (JINR-R – 4-9915) 376937
Two-centre problem in quantum mechanics. 7. Nonadiabatic matrix elements connecting, the states of discrete and continuous spectra. (JINR-R – 4-9860) 376936
Somov, S.V.
Two-pulse power supply for a large streamer chamber. 358421
Somova, V.G.
On behavior of some chalcogenide glasses during low-temperature annealing. 349276
Son, M.G.
Optoelectronic functional converter. (Soviet patent document 424187/A/) 358438
Sona, P.
In-beam measurements of internal conversion coefficients. 356892
Sondaevskij, V.P.
Generation and movement of magnetic domains in a SHF magnetic field. 374749
Sonder, E.
Determination of the Fe^{2+} and Fe^{3+} concentration in MgO. 351446
Sondericker, J.H.
Operating experience with the HEUB superconducting dipoles. 363327
Sone, Haruo
Effect of strong Posterisan ointment on rectal injuries after radiotherapy of uterine cervical cancer. 360295
Sone, K.
An experimental UHV apparatus to investigate interactions of low energy light ions with solid surfaces. 368978
Graphite surface erosion by 100 keV helium and hydrogen bombardment. 373385
Surface erosions by energetic helium and hydrogen bombardment of molybdenum and pyrolytic graphite. 368993
Sone, Kazuho
Observation on surface deformation of pyrolytic graphite bombarded by 100 keV He^+, H^+ ions. 354619
Sputtering yield measurement on first wall materials of thermonuclear fusion devices. 359018
Surface roughness effects on blister formation in polycrystalline molybdenum. (JAERI-M – 7182) 366461
Sonenberg, N.
Mapping of 23-S rRNA at the ribosomal peptidyl-transferase center by photo-affinity labeling. 352129
Song, H.S.
Spin-3/2 polarization density matrix in production of Δ by leptons. 372444
Song, P.S.
Studies on the phototoxicity of coumarin derivatives. 367462
Song, Y.
Experimental observation of the finite relaxation time at the zero field transition point of magnetically impure superconductors. 365185
Song, Y.T.
Transmission of ^{252}Cf fission neutrons through various shields. 361915
Soni, A.
Hadronic quantum numbers beyond charm as a possible source of γ induced trimuons. 361856
Neutrino transport in pion-condensed neutron stars. 351077
Production of heavy leptons via decays of heavy vector mesons. 353907
Semileptonic decays of charmed mesons produced in electron-positron annihilation. 359233
Soni, M.P.
Optimal control design for load following boiling water reactor. 352642
Soni, N.C.
Improvement of properties of sinterable uranium dioxide powders. 367304
Soni, S.K.
Measurements of time differential perturbated angular gamma-gamma correlations in the ^{207}Bi decay. 377962
Role amplification of the coulomb interaction in nuclear reactions. 377857
Soni, V.
New approach to short range repulsion in pion condensation. 354113
Sonin, A.A.
Modeling of pool swell dynamics. Progress report. (NUREG – 0288) 352186
Proposed model for vapor bubble-slug heat transfer during LMFBR HCDAs. 352212
Sonin, A.S.
Phase transformations in $(Pb,La)(Zr,Ti)O_3$ ferroelectric solid solution. 377307
Size and concentration of scattering centers in $(Pb, La)(Zr, Ti)O_3$ solid solution. 348858
Spontaneous electrooptical absorption effect in a barium-strontium niobate crystal. 374720
Sonino, T.
On some relations involving the use of energy in Israel. (IA-PW – 1) 368434
Short-term forecasting of petroleum consumption for Israel. (IA – 1338) 366114
Sonnenberg, K.
Additional recovery of copper around 200 K after 0.5 MeV electron irradiation. 375960
Sonnonstine, T.J.
Charge dissipation and transport mechanisms in insulators. (INIS-mf – 4127) 364092
Sonntag, B.
Atomic and molecular effects in the VUV spectra of solids. (DESY-SR – 77/17) 366472
Sonntag, C.
^{231}Pa dating of deep-sea cores via ^{227}Th counting. 378869
Sonntag, C. von
Radiation chemistry of carbohydrates. 359805
Radiation chemistry of carbohydrates. Pt. 12. 365044
Sontag, M.R.
Corrections to absorbed dose calculations for tissue inhomogeneities. 352352
Soo, L.G.
A gas discharge ion source for an on-line electromagnetic mass separator at a heavy ion accelerator. II. 367862
Soo, P.
Correlation of high- and low-cycle fatigue data for solution-annealed Type 304 stainless steel. 360829
Effects of mean tensile stresses on high-cycle fatigue life and strain accumulation in some reactor materials. (BNL-NUREG – 50654) 351810
Sood, D.D.
The vaporization thermodynamics of uranium tetrachloride. 369703
Sood, D.K.
Radiation damage and surface alloys produced by ion implantation. 371684
Sood, P.C.
Correlation between gaps in the single-particle level scheme and the backbending feature for deformed nuclei. 369432
Effect of geometry on the observed dependences in the nuclear potential. 372576
Sood, P.M.
Charged particle multiplicity in 400 GeV/c p-nucleus interactions in nuclear emulsion. 372498
Sood, S.
A generalized VMD mechanism for radiative decays of canti c mesons. 361829
Sood, S.K.
Radiation hazards. 373884
Resonance photocouplings with a "mixed" nucleon and the even-wave harmonic-oscillator theory of baryonic states. 351163
Sopchyshyn, F.C.
Solvated electrons and the effect of coordination on the optical spectra of alkali metal cation-electron pairs in ethers. 362280
Sopina, A.A.
Optical properties of irradiated catalysts. 373386
Sopizet, Rene
Procedure and device for the chemical analysis of a sample, using secondary electron energy spectrum analysis. 361044
Procedure and device of electron microscopy intended for modulating the intensity of the primary electron beam. 371117
Soral, J.
Muelheim-Kaerlich nuclear power plant. 379663
Sorantin, H.
Determination and proof of trace elements and their essential parts in well and surface water in the environment of the Research Centre Seibersdorf. (SGAE – 2656) 373836
Determination of radioiodine in air in the environment of nuclear facilities. (SGAE – 2691) 373861
Determination of trace elements in ancient glasspieces and correlation with corrosion and devitrification. 372907
Experience with an automatic TLD system for personnel monitoring. (SGAE – 2534) 373804
Sorba, P.
Classification of pseudoparticle solutions in gauge theories. 358634
Current quarks, constituent quarks and the reactions $K^-p \rightarrow \pi deg\Lambda^*$. 361773
Quarks and the Poincare group: SU(6) x SU(3) as a classification group for baryons. 353773
Sorby, P.J.
The application of radionuclides in medicine. 357632
Sordi, G.A.A.
Health physics system scheme for the uranium purification plant. (IEA – 400) 355022
Sordi, G.M.A.A.
Health physics routine at the Instituto de Energia Atomica, Sao Paulo (Brazil). (IEA – 407) 365643
Sorensen, C.M.
Autocorrelation spectroscopy studies of single and multiple scattered light from a critical fluid mixture. 350547
Sorenson, J.
Cell loss from three established lines of the C3H mouse mammary tumour: a comparison of the ^{125}I-UdR and the ^{3}H-TdR-autoradiographic methods. 354888
Sorenson, R.J.
Mobile nondestructive assay verification and measurement system. (BNWL-SA – 6113) 366193
Sorg, C.
Use of radioactive double labelling technique in the chemical analysis of the mediators of cellular immunity. 370449
Sorg, M.
Generalized Caldirola equations for the classically radiating electron. 355913
Radiationless internal vibrations of extended charged particles in a constant magnetic field. 355769
Sorin, A.S.
Analysis of pp scattering at high energies in the multiple Regge poles model. 369270
Sorin, G.K.
Experience in application of selective gamma gamma logging for

determination of iron in skarn deposits of Priangarje. 351948
Sorkin, R.
New criterion for secular instability of rapidly rotating stars. 359050
Sornein, J.
Inception of the light-water reactor system in France and its fuel cycle. 366226
Soroka, V.A.
On the general covariant theories of the gauge fields on superspace. (KFTI – 77-10) 376887
Sorokin, A.F.
Measurement of stripping cross-section of hydrogen atoms on a pulse gas target in the 3-0,5 KeV energy range. (INIS-mf – 3915) 371503
Sorokin, A.I.
Nucleon scattering on deformed even-even nuclei on specific type of nucleon-nucleus interaction. 377937
Sorokin, A.P.
About some effects on the coolant temperature field in fuel assemblies with wire spacers. (FEI – 624) 350271
Sorokin, D.N.
Resistive measurement of local void fraction. (FEI – 625) 350378
Sorokin, G.A.
Charge distribution in anomalous nuclei. 369455
Pion condensation and the region of stability of anomalous nuclei. 375129
Sorokin, G.P.
Mobility of charge carriers in Cusub(2-x)X. 369705
Sorokin, I.N.
Electrical preparation of dielectric films on indium arsenide. 362214
Sorokin, L.I.
Effect of alloying elements and slag of electrode coating on the properties of deposited metal type Kh15N5d2. 370053
Influence of marble content in electrode coating on properties of heat resistant weld-up metal. 375793
Sorokin, M.O.
Cosmic ray interaction with magnetized plasma (propagation, modulation, acceleration). 356177
Sorokin, M.Yu.
Technique for controlling the time characteristics of radioisotope relays. (Soviet patent document 446010/A/) 355615
Sorokin, N.F.
Result ambiguity of ultrasonic testing of welded joints before and after the heat treatment. 375804
Sorokin, O.M.
Device for recording the energy spectra of electron emission. (Soviet patent document 439775/A/) 368353
Sorokin, P.V.
Measurement of asymmetry of the $\gamma d \rightarrow \pi$ deg d reaction cross section in the linearly polarized photon beam. 349092
Sorokin, V.B.
Application of backscattered highenergy electrons for checking the thickness or composition of surface layers of products. 363089
Inspection of the surface layer of an article with a one-side access using high-energy electrons. 373951
Sorokin, V.L.
Equipment for experiments on study of properties characterizing acoustic emission. (IAE – 2620) 376747
Sorokin, V.S.
Crystallization of solid solutions of InP-GaP system from stoichiometric melts. 364961
Sorokina, A.A.
Atomic absorption determination of rare earth elements. 359577
Sorokina, A.V.
Determination of neutron mean number on fission event of ^{252}Cf. (INIS-mf – 3896) 357875
Sorokina, L.V.
Chromatographic and polarographic investigation into arsenic molybdenotungstic heteropolycomplexes. (INIS-mf – 4188) 375583
Sorokina, O.V.
Systems formed by Ag, In and Sc tungstates. 364997
Systems formed by Tl, In and Sc tungstates. 364996
Sorokina, Z.M.
Mobility of charge carriers in Cusub(2-x)X. 369705
Soroko, L.M.
Magnetic spectrometer for charged particles. (Soviet patent document 409575/A/) 350336
Sorokovoj, L.G.
On the solution of the vacuum problem for thermonuclear systems. 368939
To the solution of vacuum problem in thermonuclear facilities by cryogenic methods. (INIS-mf – 3954) 361527
Sorsa, A.
An automatic uranium analyser based on delayed neutron counting. 369570
Sos, T.A.
Tomographic scintigraphy of regional myocardial perfusion. 357641
Sosfenov, N.I.
Automatic small angle X-ray diffractometer. (Soviet patent document 415560/A/) 355108
Soshchin, N.P.
Cathodoluminescence properties of Gd_2O_3-Y_2O_3-Eu_2O_3, Gd_2O_3-La_2O_3-Eu_2O_3 oxide systems. 356999
Cathodoluminescence properties of rare earth oxysulfide solid solutions. 349205, 359589
Investigation of radiation and excitation spectra and peculiarities of roentgenoluminescence of oxysulfides activated by terbium. (INIS-mf – 3955) 362147
On the electronic excitation of laser materials with high concentration of rare earth activators. (INIS-mf – 3955) 361425
Peculiarities of spectroscopy of rare earth ions in yttrium, lanthanum, gadolinium, lutetium oxysulfides. (INIS-mf – 3955) 378265
Spectra of luminescence of europium ultraphosphates. (INIS-mf – 3955) 378328
Soshin, L.D.
Gamma-camera for medical purposes. (Soviet patent document 309564/A/) 352408
Soshnikova, I.V.
Temperature coefficient of linear expansion of Fe-Ni-Mn alloys. 369942
Soskin, M.S.
Investigation of disagreement of heterogeneous broadening of different electron transitions of Nd^{3+} in crystals and glass. (INIS-mf – 3955) 378359
Sosna, M.
Production of nonpolarized and polarized 14 MeV neutrons. 354233
Sosnin, F.R.
Modern equipment of radiation intrascopie for inspection of welding. 349959
Sosnina, I.E.
Catalytic properties of rare earth oxides in reaction of preparation of aldehydes. 378407
Preparation of caproaldehyde in the presence of neodymium oxide. 369706
Sosnovets, Eh.N.
North-south asymmetry and anisotropy of solar cosmic radiation during the April 18, 1972 flare. 378923
Proton component of the Earth radiation belts according to measurements on "Molniya" satellites. 357537
Sosnovskaya, A.A.
Complexing of metals with amines in the phase of ionite. (INIS-mf – 4188) 375578
Sosnovskaya, E.V.
SIMP program system for gamma-spectra processing. (JINR-R – 10-9741) 380148
Sosnowska, I.
Application of the Multi-sublattice Jump Diffusion Model in the theory of the quasi-elastic neutron scattering from hydrogen in vanadium, niobium, and tantalum. 364057
Sosnowski, R.
Inclusive π^0 production in π^+p interactions at 16 GeV/c. 366818
Observation of jet structure in high psub(T) events at the ISR and the importance of parton transverse momentum. 353956
Soszka, M.
Aluminium surface analysis by ion-electron spectroscopy. (INIS-mf – 3996) 364122
Soszka, W.
Aluminium surface analysis by ion-electron spectroscopy. (INIS-mf – 3996) 364122
Soticj, O.
Neutron convertor at reactor RB. 379562
Sotnikov, A.F.
Corrosion resistance of structural materials of WWER-type nuclear reactor and migration of corrosion products in coolant loops. 367184
Sotnikov, N.D.
Individual sampler for nuclides. (Soviet patent document 421964/A/) 356949
Sotnikov, V.A.
Gas scintillation counter for soft x-ray radiation. (Soviet patent document 446009/A/) 355499
Sotnikov, V.M.
Computer investigation of the Coulomb interaction of light primary ions and secondary electrons in vacuum. (INIS-mf – 3996) 366473
Soto Vargas, C.W.
A new technique for calculating virtual photon spectra. 354114
Sotomayor, R.E.
A study of unscheduled DNA synthesis induced by x-rays in the germ cells of male mice. 373542
Sotona, M.
Reaction matrix for nonlocal potentials. II. 377938
Sotoodehnia, A.
Implementation of nuclear energy in Iran. 352909, 358162
Sotskij, R.A.
Cheosing radiometer optima parameters for crush ore enrichment using combined method. 349657
Sotskov, Yu.P.
Studies of the distribution of rare earth elements in apatite – nepheline rocks and ores by instrumental neutron-activation method. 375389
Souder, P.A.
Measurements of polarization in K^-p elastic scattering at low energies. 361883
Souers, P.C.
Three-phase region of D_2-DT-T_2. (UCRL – 79036(Rev.1)) 360051
Soukiassian, M.
Electron irradiation of undoped n-type InAs. 370220
Soule, H.F.
Policy issues in the Energy Research and Development Administration's radioactive waste management program. 363679
Soulhier, R.
Fabrication and irradiation performance of French HTGR fuel. 368178
Soulie, E.
A comment to 'On the ionic and covalent characters of uranium fluoride bonds in complex fluorides of uranium' by K. Ohwada

(J. Inorg. Nucl. Chem. 38, 741 (1976)). 375661
Soundalgekar, V.M.
Dispersion of a dye with a harmonically varying concentration in the hydromagnetic flow in a channel. 371685
Effects of couple stresses in MHD channel flow. 356059
The Hall effect on an unsteady flow due to a rotating infinite disc. 356042
Soundararajan, S.
Complexes of lanthanide iodides with 4-methyl-pyridine-1-oxide and 2-methylpyridine-1-oxide. 349281
Souply, K.R.
Screw calciner mechanical direct denitration process for plutonium nitrate to oxide conversion. (RFP – 2601) 373034
Souriau, J.-M.
Geometric quantization and general relativity. 355839
Sourkes, A.M.
Measurements of the proton total reaction cross section for ^{24}Mg, $^{64\ 66\ 68}$Zn and ^{140}Ce between 17.5 and 48 MeV. 356735
Sourlas, D.
On the equations of motion. 363794
Sousselier, Y.
Considerations relating to different types of packaging. 350040
Experience with the use and application of regulations governing transport of irradiated fuels and plutonium. 368468
Very long-term storage of fission products. 358535
Southon, F.C.G.
Nucleon separation and pairing energies, decay energies and atomic masses for 68 <= Z <= 72. 359523
Precise atomic mass differences for wide doublets as determined with the Manitoba II mass spectrometer. 358449
Southwood, D.J.
Plasma waves in the magnetosphere. 370308
Southworth, F.H.
Advanced fuel bumpy tori. (EPRI-ER – 536-SR) 371861
Bundle divertor designs for attaching direct convertors to the ILB advanced fuel tokamaks. (EPRI-ER – 536-SR) 372034
Catalyzed deuterium fueled tokamak reactors. (EPRI-ER – 536-SR) 372032
D-^{3}He fueled tokamak reactors. (EPRI-ER – 536-SR) 372033
Southworth, F.S.
Advanced-fuel fusion systems. The D-^{3}He satellite approach (the ILB reactors). (EPRI-ER – 536-SR) 371948
Souza Filho, G. de
Behavior of cationic, anionic and colloidal species of titanium, zirconium and thorium in presence of ion exchange resins. (IEA – 447) 351457
Souza Santos, T.D. de
Contribution to the study of compacting of UO_2 powders. (IEA – 437) 351827
Souza, I.T.T.
Preparation of radioinsulins for radioimmunoassay. (IEA – 472) 352171
Souza, J.A.
Einstein gravitation from scalar nonsingular sources alone. 368596
Spherical diffuse Yukawa sources in relativity. (CBPF – A0010/77) 363842
Souza, J.A.M. de
Brazilian energy overview. (INIS-mf – 4104) 366150
Organization and development of the Brazilian nuclear programme. 371331
Trained manpower resources in Brazil. Estimates and preparations. 371312
Souza, J.P. de
Accelerator for ion implantation in semiconductor materials. 352842
Vacuum components for ion implantation device. 352841
Souza, L.C.
Vacuum cleaner for radioactively contaminated particles. (US patent document 4,061,480/A/) 379464
Souza, M.
Duality and mass-slope correlation in diffractive dissociations. 353785
The three-component dual Deck model, factorization and double diffractive dissociation. 356402
Souza, M. de
Identification of F center in KCN. 350764
The ITC spectrum and other techniques in the study of defect in ionic solids. (INIS-mf – 4127) 364123
Localized vibration of H^- ions disturbed by divalent ions in KCl. 350721
Off-center Cu^+ ions in RbCl and RbBr studied with ionic thermocurrents. (INIS-mf – 4127) 364120
Phase transitions in KCN and NaCN. 350782
Thermal dilatation in pure and impure ionic crystals. 350719
Souza, N.G. de
Moessbauer spectroscopy studied of tris (2-pyridinalimine) and tris (2-pyridilketoimine)-iron(II) complexes. (CBPF – A0033/77) 364105
Study of the f-factor by Moessbauer spectroscopy of diimines complex of Fe(II). 364124
Souza, R.F.
Worldwide mapping of vlf intensities generated by a ground transmitter. 362616
Souza, W. de
Effect of U.V.-radiation on the cell membrane of Herpetomonas samuelpessoai: binding of concanavalin A. 378960
Sovetov, Yu.K.
Copper, gold and radioactive elements in the taseev rock series of the Yenisei ridge. 349665
Sovtsov, M.I.
X-ray radiometric exploration of mine opening in mercury fields. 351940
Sovtysik, D.D.
Activity of retinene palmitasynthetase and retinene palmitatehydrolase in the small intestine mucosa and membranes of its cells in white rats affected by A-avitaminosis and irradiation. 360262
Sowa, E.S.
Interactions of LMFBR core debris with concrete. (CONF-761001 – P4) 362857
Studies of the formation and cooling of particulate fuel debris beds in sodium. (CONF-761001 – P4) 363016
Sowada, U.
The influence of nonelectronegative molecules on the mobility of excess electrons in liquefied rare gases and tetramethylsilane. 359807
Negative ion-molecule reactions in liquid argon following electron capture by N_2O. 362245
Sowden, R.G.
Cooperation in research and development. 352610
Sowell, R.R.
Kr^{85} autoradiography for nondestructive/noncontaminating surface porosity measurements. 368839
Sowerby, B.D.
Bulk analysis for copper and nickel in ores using gamma-ray resonance scattering. 376278
Sowerby, M.G.
The separation and recycling of actinides: a review of the state of the art. (EUR – 5801) 361108
Sowinski, J.
Assessment of thyroid function in patients with laryngeal carcinoma treated surgically and with radiotherapy. 373575
Soxman, E.J.
Current-voltage relationships for an inverted magnetron type d.c. sputtering source: Au, Pt, Cu, Cr, Al and Ag with argon pressure as a parameter. 368880
Soya, Masataka
Method of recovering radioactive rare gases. 350388
Soznik, A.P.
Diffraction scattering of high-energy nucleons by nuclei. (KFTI – 75-15) 361958
Spackova, M.
Detector of short-lived radon daughters. 379952
Spadoni, M.
A new approach to the cooling of superconducting magnets for fusion reactors. 358997
Spaehn, H.
Materials and welding techniques in power plants. Meeting held in Duesseldorf in December 1976. 349538
Spahn, G.
A detector for high-energy neutrino interactions. 379899
Is there a high-y anomaly in antineutrino interactions. 351222
Like-sign dimuon events produced in narrow-band neutrino and antineutrino beams. 356512
Measurement of the neutral to charged current cross section ratio in neutrino and antineutrino interactions. 361888
Observation of a neutrino event with four energetic muons. 372525
Observation of trimuon events produced in neutrino and antineutrino interactions. 356511
Study of inclusive neutral current interactions of neutrinos and antineutrinos. 369377
Spal, R.
Anisotropic Meissner effect in the linear-chain mercury compound Hg/sub 2.86/AsF_6. 360052
Spalding, D.
The precipitation of point defects near grown-in dislocations during neutron irradiation. 370168
Spalding, I.J.
Improvements in or relating to fusion nuclear reactors. (UK patent document 1482526/A/) 350946
Multikilojoule CO_2 laser heating of polythene pellets. (INIS-mf – 3963) 372080
Spalek, A.
Nuclear states excited in the (^{3}He,xn) reactions. 354268
Spalek, J.
Degenerate perturbation theory and its application to the Hubbard model. 366254
Spallucci, E.
Reissner-Nordstroem naked singularity as a quantum centre of scattering. 363843
Spalthoff, F.J.
The LWR fuel cycle in the Federal Republic of Germany. 366166
Operational experience and failure statistics of nuclear power plants with LWR reactors in the Federal Republic of Germany. (AED-Conf – 78-004-009) 376496
Spalthoff, W.
Investigations of the operational behaviour of LWR cladding tubes made of ZrNb3Sn1. 371071
Nuclear reactor component made of zirconium or a zirconium alloy. (German (F.R.) patent document 1903009/B/) 349539
Spamer, E.
Inelastic electron scattering, radiative width and magnetization density of the 2^+, T=1 state at 16.11 MeV in ^{12}C. 372755
Isospin forbidden electroexcitation of the 1^-, T = 0 state at 6.95 MeV in ^{40}Ca, continuum shell-model and effective charge of the convection current. 369483
Study of the electric monopole transitions between the ground state and the first excited 0^+ state in $^{40\ 42\ 44\ 48}$Ca with high resolution inelastic electron scattering. 377998

Spandonari, T.
Remarks on the J-dependence of the boostrap mass spectrum. 361795
Spangler, W.H.
Nuclear plant startup support problems experienced by B and W. 358237
Spanhoff, R.
Nuclear spectroscopy with oriented nuclear spins. (INIS-mf – 4267) 378045
Spanjaard, D.
Multiple scattering effects in secondary electronic emission of single crystals under ionic bombardment. (INIS-mf – 3996) 364034
Spanner, J.
Preliminary development of in-service inspection methods for LMFBRs. (IWGFR – 10) 363527
Spano, M.A.
An image scanner for real time analysis of spark chamber images. (CNEN-LNF – 75-54(R)) 363556
Sparenberg, H.
Can reconditioning prevent the after-cooking darkening of irradiated potatoes (research carried out in 1976/1977). (IBVL – 307) 373758
Irradiation of potatoes – after cooking darkening – Fusarium susceptibility during storage. Part of a coordinated programme on the shelf-life extension of irradiated fruits and vegetables. (IAEA-R – 1389-F) 376172
Sparke, L.S.
Galactic structure around l = 140°, b = 0°. 374967
Sparks, M.
Possible reduction of laser-fusion target illumination by enhanced stimulated Raman plasmon scattering. 359019
Sparks, R.J.
Research with the 4 MV accelerator, ch. 2. (INIS-mf – 3629) 362056
Sparling, G.A.J.
Evidence for twistor structure of hadrons. (KFKI – 76-62) 355822
Sparling, L.C.
Effect of acidity on the retention and distribution of inhaled $^{144}CeCl_3$. (LF – 56) 365434
Sparrow, D.A.
Inelastic scattering to high lying O^+ levels in ^{16}O. (TID – 27909) 378055
Second order density effects in low energy pion scattering. 362020
Sparrow, E.M.
Analysis of melting in the presence of natural convection in the melt region. 368881
Sparvieri, G.
Resonant relaxation time for impurity electron-phonon interaction application to the thermal conductivity of MgO Fe^{2+} and ZnS/Fe^{2+}. 364125
Sparwel, N.
Results and evaluation of blowdown experiments in a model containment with a number of compartments. 370936
Spasov, K.I.
Calculation of heat and mass transfer in chemically reacting turbulent flow in a tube. (INIS-mf – 3953) 379434
Spasskaya, A.A.
Heat treatment effect on samarium structure and electric parameters of glow-discharge starters. (INIS-mf – 3839) 365186
Thulium and ytterbium mechanical properties. (INIS-mf – 3839) 357333
Spasskaya, T.I.
Proton scattering by ^{50}Cr and ^{52}Cr nuclei at Esub(p)approximately 6 MeV. 375200
Study on proton polarization in elastic scattering on ^{24}Mg, ^{26}Mg, ^{32}S nuclei in the proton energy range 5-6 MeV by the thick target method. 378053
Spatschek, K.H.
Filamentation of lower-hybrid cones. 372035
Finite frequency density modifications by lower-hybrid cones. (INIS-mf – 3963) 374857
Nonlinear propagation of ion-cyclotron modes. 350947
On the formation of envelope solitons in magnetized plasmas. 353634
Self-focusing of electromagnetic waves as a result of relativistic electron-mass variation. 366631
Spatz, R.
Critical comparison of the measuring range and detection limits in energy-dispersive X-ray fluorescence-analysis with tube excitation (secondary target) and with radionuclide excitation (Cd-109 and Am-241), by means of bulk powder samples on silicagel basis as an example. 375364
Spaulding, J.
Kinetic studies of potential bifuntional acid-base catalysts in aqueous solution. The iodination of acetone. 357067
Spaventi, S.
Clinical evaluation of the new mathematical lung model for sup(81m)Kr inhalation. (INIS-mf – 4010) 367713
Radioiodination of iodinated estradiol-17β, 17-diphosphonate. (INIS-mf – 4010) 367155
Spavieri, G.
Convenience of the asynchronous formulation. 355737
Spear, K.E.
High temperature stability of GdB_2. 362482
Spear, R.H.
Energy calibration of the A.N.U. 14UD Pelletron accelerator. 370771
The quadrupole moment of the first 3^- state in ^{208}Pb. (ANU-P – 667) 349140
Quadrupole moments of the first excited states of ^{204}Pb and ^{206}Pb. (ANU-P – 690) 362074
The static quadrupole moment of the first excited state of ^{198}Hg (ANU-P – 695) 362057, 372747
Spears, D.L.
Spatial heterodyne interferometry of VY Canis Majoris, alpha Orionis, alpha Scorpii, and R Leonis at 11 microns. (N – 77-27049) 377655
Spears, R.K.
Dielectric characteristics of PZT 95/5 ferroelectric ceramics at high pressures. (GEPP – 308) 378777
Specht, E.R.
Hydraulically supported absorber balls shutdown system for inherently safe LMFBR's. (CONF-761001 – P2) 363017
Specht, G.
Determination of the longitudinal and the transverse part in π^+-electroproduction. (DESY – 77/64) 366892
Inclusive spectra of electroproduced K^+-mesons. (DESY – 77/49) 364578
Specht, H.J.
The contribution of one- and two-step process to non characteristic radiation in solid target. (INIS-mf – 3996) 364110
Experimental determination of the production mechanism for noncharacteristic radiation in swift heavy-ion collisions. 374636
Fission of ^{238}U induced by ^{136}Xe for energies close to the Coulomb barrier. 359488
Lifetime measurements of nuclear levels with the charge plunger technique. 379953
A position sensitive parallel plate avalanche detector (PPAD) for fission fragments. 379904
Reaction between ^{238}U and ^{238}U at 7.45 MeV/nucleon. 366981
The shape of the fission barrier. 375205
Specht, S.
Investigation of the changes in the extraction properties of TBP and TBP-Levextrel after intensive γ-irradiation. 369847
Speck, B.
Present results of bone marrow grafts in primary aplastic anemia. 370368
Speck, C.E.
Interaction of a plasma beam with a transverse magnetic barrier. 350948
Speck, D.R.
Geometrical theory of nonlinear phase distortion of intense laser beams. (UCRL – 76834) 350854
Laser fusion ion temperatures determined by neutron time-of-flight techniques. 364219
Performance of Argus as a laser fusion facility. (UCRL – 79816) 368994
Specker, H.
Chromatographic separation and detection of the rare earth in ores, technical products and pure elements. 375285
Chromatographic separations of the rare earth. 349167
Separation and detection of rare-earth elements from an uranium matrix by thin-layer chromatography. 375286
Specter, H.
IAEA's activities in safeguarding nuclear materials and in developing internationally acceptable safety codes and guides for nuclear power plants. 352984
The LAEA's activities in safeguarding nuclear materials and in developing internationally acceptable safety codes and guides for nuclear power plants. 358582
Spector, S.
Evaluation of gastro-pulmonary aspiration by a radioactive technique: concise communication. 373685
Spedding, D.J.
Labelling of fly ash with sup(99m)Tc. 357093
Method for visualizing water sorbed on metal surfaces. 356980
Spedding, P.L.
Labelling of fly ash with sup(99m)Tc. 357093
Speede, B.
Statistical investigation of compact emitting regions in extragalactic radio sources. 374872
Speich, P.
The future provision of liquid and gaseous hydrocarbons from coal gasification and the long-term prospects for a hydrogen technology. 355432
Speidel, K.H.
Investigation of Bremsstrahlung-induced reactions on nuclei of masses A = 27-238 in the range of the photon energies from 450 MeV to 2.2 GeV. 364759
Speight, D.L.
Instrument evaluation no. 2. Eberline portable ion chamber model RO-1. (NRPB-IE – 2) 376667
Instrument evaluation no. 3. Eberline portable ion chamber model RO-2. (NRPB-IE – 3) 376666
Instrument evaluation no. 4. Nuclear Enterprises gamma dose rate meter type 2604. (NRPB-IE – 4) 376665
Speight, M.V.
Enhanced fission-product release by grain-boundary diffusion. 357430
Secondary recrystallisation in 20 w/o Cr-25 w/o Ni-Nb stabilised stainless steel. (CEGB-RD/B/N – 3250) 351760
Theories of nucleation and growth of bubbles and voids. 351910
Speis, T.P.
Clad relocation dynamics: the physics and accident evolution implications. (CONF-761001 – P4) 363027
Licensing decisions and safety research related to LMFBR accidents. 370541
LMFBR accident energetics and their role in licensing. (CONF-761001 – P2) 365609

Spektor, Ya.M.
50 MeV electron synchrotron with cyclotron preacceleration. 350092
Spellman, C.W.
Modification of immunological potential by ultraviolet radiation. I. Immune status of short-term uv-irradiated mice. 357584, 357585
Spelsberg, F.
Struma maligna after X-ray irradiation of the neck. 352057
Spence, D.
Improvements in the electron energy-loss spectrometer. (ANL – 76-88(Pt.1)) 363592
Spence, J.
An analysis for out of plane bending on curved pipes in creep: Development of method and design factors. (IWGFR – 11) 355235
Spence, L.
Frequency of hepatitis B surface antibody (anti-HBs) in various Canadian populations as measured by modified solid-phase radioimmunoassay. 360391
Spence, P.
Relativistic electron-beam-focusing experiments employing axial loads. 366544
Spence, R.D.
Development, design, and preliminary operation of a resin-feed processing facility for resin-based HTGR fuels. (ORNL/TM – 6061) 378467
Spencer, B.W.
Acoustic analysis of TREAT LMFBR safety test R8. 352199
Final report on TREAT Test R3, a single-pin loss-of-flow experiment. (ANL – 77-54) 379251
Summary and evaluation of R-series loss-of-flow safety tests in TREAT. (CONF-761001 – P4) 363018
Spencer, C.A.
Interference in a radioimmunoassay for human thyrotropin. 352130
Spencer, C.P.
Critical review of the efficacy of /sup 99m/TC pyrophosphate in detecting myocardial infarction in 103 patients. 362793
Efficacy of ^{201}thallium, /sup 99m/Tc phosphates, and /sup 99m/Tc MAA in localizing small myocardial infarctions in the pig. 362794
Spencer, D.W.
Distribution of some chemical elements between dissolved and particulate phases in the ocean. Period covered: August 1, 1976 – October 31, 1977. (COO – 3566-19) 379302
Spencer, H.
Comparative excretions of strontium isotopes in man. 370419
Effect of phosphorus on the ^{90}Sr balance in man. 365459
Spencer, J.E.
High Resolution Spectrometer (HRS) particle-identification system. (LA – 6810) 374077
Spencer, N.
System for histogram entry, retrieval, and plotting. (LA – 6920-M) 374514
Spencer, R.P.
Anatomic patterns of ^{67}Ga distribution in localized and diffuse peritoneal inflammation: case report. 373676
Pyrophosphate derivatives of glucose: synthesis and labeling with sup(99m)Tc. 376158
Spencer, R.R.
Measurement of partial radiation widths of high energy transitions from keV capture resonances in ^{56}Fe and ^{58,60}Ni. 375160
Spenke, H.
Core design of sodium-cooled fast breeders (SNR) with regard to strategic design targets. 370803
Sperackova, V.
The effect of americium-241 on the determination of plutonium by the silver(II)oxide method. 369573
Speranskaya, G.I.
Changes in toughness properties of liquid metal in the process of acid steel large ingot formation. 369852
Sperber, D.
The role of deformation and transfer in the analysis of strongly damped collisions. 377872
The role of potential and friction in the dynamics of heavy ion reactions. 375138
Theory of heavy ion collisions. Annual progress report. (COO – 3463-32) 372670
Vacuum instability, anomalous asymmetry effect, phase transition and band mixing in strongly deformed nuclei. 354084
Sperber, F.
KNK-II design with regard to neutron physics and thermohydraulics. 370806
Sperduto, A.
In-flight mass separation of ^{205}Rn, ^{206}Rn and ^{207}Rn fusion recoils from the ^{197}Au(^{14}N, xn) reaction using an energy-mass spectrograph. 374386
Nuclear structure of ^{41}Ca from inelastic proton scattering. 372826
Sperduto, M.L.
Competition between ^{5}Li and ^{8}Be formation in the ^{6}Li(^{3}He, $\alpha\alpha$p) reaction at Esub(^{3}He)=2.5 MeV. 364736
Spergel, M.S.
Low order effect of crand input in the Jovian atmosphere. 361738
Sperl, H.
Equipment for fully automatic radiographic pipe inspection.' (German (F.R.) patent document 2520065/C/) 365763
Sperline, R.P.
New mixed metal chain complexes of platinum(II) with copper(II), cobalt(II), nickel(II), zinc(II), uranium(VI), and thorium(IV) having substituted phosphonito groups as bridging ligands. 364998
Sperling, J.L.
Saturation of the cyclotron decay instability. 372036
Speroff, L.
Direct radioimmunoassay for estriol-16-glucuronide in urine for monitoring pregnancy and induction of ovulation. 362776
Sperr, P.
Energy dependence of the distribution of reaction strength in the ^{16}O + ^{40}Ca collisions. (ANL – 77-60) 378024
Sperry, W.E.
Screw calciner mechanical direct denitration process for plutonium nitrate to oxide conversion. (RFP – 2601) 373034
Speshinskij, A.E.
Electron irradiation hardening of the steel-45. 349592
Speth, J.
Spreading width of the giant quadrupole resonance in light nuclei. (ZfK – 336) 366929
Theory of finite Fermi systems and applications to the lead region. 354115
Spettel, B.
Determination of lithium and halogenes and the significance of lithium to the understanding of cosmochemical processes. 375253
Instrumental neutron activation analysis of lunar samples and the identification of primary matter in the Lunar Highlands. 375384
Spetz, S.W.
Upgrading nuclear-fuel management. 374209
Spevack, J.S.
Enrichment systems. 357858
Method for enrichment by dual temperature exchange. (US patent document 4,047,905/A/) 367868
Spevakov, F.M.
Power supply for the "T-10M" experimental thermonuclear facility. (INIS-mf – 3954) 361571
Spevakova, F.M.
Power supply for the T-20 demonstration thermonuclear tokamak-reactor. (INIS-mf – 3954) 361572
Spevakova, I.P.
Weak ferromagnetism and magnetic structure of $TlMnCl_3$. 371596
Spicer, B.M.
Cross sections for ^{18}O(α,n/sub 3,4/γ)^{21}Ne reactions populating the (1/2$^-$,1/2$^+$) doublet. 364826
A method for charged-particle activation analysis and its application to fluorine determination by the ^{19}F(p,$\alpha\gamma$)^{16}O reaction. 369531
The photoneutron cross section of natural osmium. 372817
Spicer, D.S.
Electrostatically unstable heat flow during solar flares and its consequences. 366761
An unstable arch model of a solar flare. 353712
Spicer, J.A.
A rapid one-step kit for the routine preparation of basic sup(99m)Tc penicillamine. 375656
Spicer, L.D.
Dynamics and mechanisms of hot chemistry stimulated by recoil methods. Progress report, March 1, 1977 – February 28, 1978. (COO – 2190-18) 378492
Kinetics and mechanism of recoil chlorine atom reactions with ethylene. 359761
Spicer, W.E.
Oxygen sorption and excitonic effects on GaAs surfaces. 351855
Semiconductor surface physics research in the Space Shuttle orbit. 367315
Surface and interface states on GaAs(110): Effects of atomic and electronic rearrangements. 351872
Spicka, M.
Radiation shield for the area of the reactor pressure vessel flange. (German (F.R.) patent document 2514312/B/) 355320
Spicuzza, R.A.
Inelastic energy loss and charge state measurements of inner-shell excitations in xenon ion-atom collisions. 366374
Spiegel-Roy, P.
Embryogenesis in gamma-irradiated habituated ovular callus of the 'Shamouti' orange as affected by auxin and by tissue age. 365375
Spiegel, V.
Californium-252 fission spectrum irradiation facility for neutron reaction rate measurements. (BNL-NCS – 22500) 356775
Spieler, K.
Fuel rod development. (KFK – 1277/2) 371039
Spielmann, H.
Differential sensitivity of preimplantation mouse embryos to uv irradiation in vitro and evidence for postreplication repair. 365382
Spier, E.M.
Westinghouse high-density spent fuel rack design. 352663
Spiering, H.
Polarization effects in Moessbauer absorption of a $FeCl_2 \cdot 4H_2O$ single crystal in an external magnetic field. 371686
Spierling, H.
Experience with plutonium recycle fuel for large light-water reactors in the Federal Republic of Germany. 368095
Spiers, A.S.D.
General anaesthesia for high-dose total body irradiation. 367542
Spiers, F.W.
Beta particle dose rates to micro-organisms in soil. 349719
Spies, G.O.
Elements of magnetohydrodynamic stability theory. (COO – 3077-137) 350949
On the state of lowest energy in ideal MHD. (INIS-mf – 3963) 372037

Spies, S.M.
Case of myocardial abscess evaluated by radionuclide techniques: case report. 373691
Spiesberger, W.
Novel techniques for medical X-ray diagnostics - an impetus to non-destructive testing. 367991
Spiess, G.
Electron capture for collisions of fast H(2S) and H(1S) in rare gases and H_2. 353334
Electron loss for collisions of fast H(2S) and H(1S) in rare gases and H_2. 353344
Spiewak, I.
Overview of gas-cooled reactor systems: Their importance and their interactions. 379684
Technical and economic studies of small reactors for supply of electricity and steam. 371247
Spiga, G.
Anisotropy of scattering and fission in neutron transport theory. 374113
Spiga, G.P.
Functional investigation and kernel expansion technique for the system of integral equations governing the stationary anisotropic transport of monoenergetic neutrons in threedimensional media. (CNEN-RT/FI - 77-8) 361907
Spiga, M.
Consequences of a step variation in coolant temperature on a fuel rod with cladding. 358085
Spigarelli, S.A.
Temperature exposure measured by the use of thermoluminescence. 366054
Spigel, I.S.
Some characteristics of ohmic heating plasma in the L-2 stellarator. (INIS-mf - 3963) 371712
Spigler, R.
Parametric excitation in lower hybrid heating of a two-ion species plasma. (INIS-mf - 3963) 371760
Spijkervet, A.L.
A test of the statistical theory. (INIS-mf - 3946) 349150
Spilker, H.M.
Twentieth anniversary of IAEA. 358622
Spiller, G.T.
Problems in the design and specification of containers for vitrified high-level liquid waste. 358476
Spindel, W.
Isotope separation processes. 351572
Spindler, E.
Radiative electron capture and momentum distributions of target electrons. 353361
Spindt, C.A.
Characteristics of a volcano field ion quadrupole mass spectrometer. 355603
Spinelli, G.
Convenience of the asynchronous formulation. 355737
Inertial mass and potential energy. 358642
Spinetti, M.
Electron-positron bremsstrahlung at ADONE. A new limit for the existence of a heavy electron. 361767
Spink, D.R.
Extractive metallurgy of zirconium and hafnium. 362360
Spinka, H.
Measurements of the total cross-section difference and the parameter Csub(LL) in pp scattering with longitudinally polarized beam and target. 356485
Recent results on polarization phenomena. (ANL-HEP-CP - 77-80) 377830
Suggestion for a dibaryon resonance in the pp system. 356426
Two Van de Graaff experiments for the senior laboratory. 351274
Spinks, T.J.
Measurement of total body calcium in bone disease. 369574
Spinks, W.S.
Expansion of a negative pi-meson peak to cover a range of depths useful for radiotherapy. 365355
Spinrad, B.I.
Evaluation of fission product afterheat. Quarterly report 1 Oct 76-31 Dec 76. (PB - 267578) 358046
Review of short-term fission-product-decay power. 362868
Role of U.S. universities in global manpower training. (ANL - 77-XX-62) 363432
Spinrad, H.
Velocity dispersion of the Corona Borealis cluster of galaxies. 361739
Spirchenko, Yu.V.
On the calculation of the strength of the "T-20" electromagnetic system. (INIS-mf - 3954) 361642
Spiric, V.
Solubility and diffusion of sodium in germanium. 370221
Spiridonov, A.I.
Investigation into radon concentration in exploration for petroleum and gas. 357502
Spiridonov, F.M.
On structure of scandium compounds of alunite type. 349290
Spiridonov, M.A.
On the structure of In_2Bi melted compound. 349517
Spiridonov, V.B.
Choosing the optimum temperature for chromium-nickel steel deformation to achieve high-strength state. 378629
Spiridonov, V.P.
Instrumental neutron activation analysis of standard samples of the rocks. (INIS-mf - 3994) 378104
Structure, vector field and coriolis constants of molecules of tetrabromides and tetraiodides of titanium, zirconium and hafnium. 357016
Spiridonov, V.V.
Therapeutic action of negative unipolar aeroionization on irradiated mice. 379028
Spiridonov, Yu.G.
Experimental RBT-6 reactor. 376597
Spiridonova, I.M.
Electrospark machining of boronized layer. (INIS-mf - 4046) 369878
Spirin, V.I.
Nanosecond ion pulse production at the FEI EGP-10M charge-exchange electrostatic accelerator. (FEI - 680) 376365
Spiro, Michel
Study of strange mesonic resonance production in K^-p interactions at 14.3GeV/c. (CEA-N - 1988) 353993
Spirov, V.S.
Study on associated masses and dumping factors during vibrations of cylinders in viscous liquids. (FEI - 585) 365692
Spirow, S.
AU-purpose dosimetrie system-set of lines of gamma radiation and stands for standardization and calibration of dosemeters and radiometers to alpha and beta particles. (INIS-mf - 4018) 374362
Spiryakov, V.I.
Effect of α-irradiation on the properties of the phosphate cation exchange resin KFP. 354450
Spisyn, V.I.
Ionizing radiation effect on phase transformations in polymers. 373345
Oxidation of uranium dioxide in solid phase under gamma radiation action. 373049
Spitale, G.C.
Incoherent scattering of gamma rays by K-shell electrons. 350683
Spitalnik, J.
Trained manpower resources in Brazil. Estimates and preparations. 371312
Spitsin, V.I.
Electron spin resonance spectra of irradiated frozen aqueous solutions. 349340
Investigation into catalytic activity of technetium and its dioxide. 373092
The lowest oxidation state of the first half lanthanide series elements. 357106
On mechanism of thermostimulated current appearence in irradiated polymers. 378803
Optical properties of irradiated catalysts. 373386
Problem of some new central atoms and ligands in modern coordination chemistry. 362239
X-ray electron study of cerium, praseodymium, thorium and uranium (4) heteropolytungstates. 378307
Spitsyn, P.K.
Spectrophotometric studying complexing in lantanide-arsenazo 3-complexon 3-non-rare earth element systems. (INIS-mf - 4192) 375585
Spitsyn, V.A.
Composition and pressure of the vapor over zinc and cadmium sulfides. 367131
Equilibrium constant of oxidation of plutonium trichloride solutions by gaseous chlorine in alkali metal chloride melts. (INIS-mf - 4193) 375658
Spitsyn, V.I.
Adsorption of strontium 90 by krill. 360358
Application of pulsed radiolysis method for investigation of americium (4) properties in aqueous solutions. 359799
Basic prerequisites and the practice of using deep water tables for burying liquid radioactive wastes. (ORNL-tr - 4390) 361128
Determination of oxidation potential of the pair Fm^{2+}/Fm^{3+}. 359748
Elements of the 5f, 4f and d series. 351614
Isotopic enrichment of cadmium in zone Melting and pulse electrotransfer. 362362
Molecular and electronic structure of heteropoly complexes. 364963
Nuclear magnetic resonance of oxygen-17 in diamagnetic and paramagnetic heteropolyanions of molybdenum and tugsten. 351501
On mechanism of uranyl acetate decomposition. 359728
On thermal stability of 12-heteropolycompounds. 375433
Possible structures of the hole centre in irradiated magnesium oxide. 354454
Principal prerequisites and practice for using deep aquifers for disposal of liquid radioactive wastes. 368406
Radiation action on physicochemical properties of bismuth-molybdenum catalyst in oxidative ammonolysis. 373093
Radiation grafting of monomers polymerized only by the ion mechanism. 375691
Sodium-potassium-tungsten bronzes prepared by electrolysis of alkali tungstate melts. 375447
Spitz, H.
Assay for Pb-210 in the urine of selected residents of Grand Junction, Colorado. (COO - 3382-16) 379119
Design and application of a continuous, digital-output, environmental radon measuring instrument. (HASL - 325) 378944
Determination of the efficacy of orally administered Ca-EDTA for the provocative chelation of Pb-210 from the skeleton of the baboon. (COO - 3382-16) 379120
In vivo scintillation measurements for Pb-210 deposited in the skeleton and bioassay for Pb-210 in the urine of former uranium miners. (COO - 3382-16) 379118
Spitz, H.B.
Estimation of skeletal burden of 'bone-seeking' radionuclides in man from in vivo scintillation measurements of the head

365415
Spitz, J.
The effect of iodine containing roentgen contrast media on TSH-TRH-tests. (INIS-mf – 4010) 370507
Spitz, R.
Kinetic investigation of the extraction of uranium and fission products from nitric acid solutions by means of tributylphosphate (TBP) diluent. 375662
Spitz, S.
Seniority four admixures in the low-lying 0^+ states of even-mass tin and lead nuclei. 354251
Spitzer, J.
Confined quarks and the decays of "old" and "new" vector and tensor mesons. (KFKI – 77-45) 355804
Spitzer, Z.
Changes in pore structure of polyuranate gels in various stages of their thermal treatment. Part II. 370096
Spivak, B.Z.
Nonequilibrium distributions in superconductors. 372320
Spivakov, B.Ya.
Coordination hydration and extraction of metal halide complexes. 349299
Spivakovskij, V.B.
Representation of conditions for precipitation of metals as their basic salts and hydroxides by means of pH-isolines. 359697
Spjeldvik, W.N.
Equilibrium structure of equatorially mirroring radiation belt protons. 351981
Spleha, E.A.
Cladding relocation experiments. (CONF-761001 – P4) 362947
Experiments on pressure-driven fuel compaction with reactor materials. (CONF-761001 – P4) 362948
Splettstoesser, B.
Simple model for phonon dispersion of nonstoichiometric transition metal carbides. (Juel – 1455) 366474
Splittorff, O.
Resistivity measurements on the singlet ground state system Tb/sub c/Y/sub 1-c/Sb. Effects of electron-exciton scattering. 378583
Spogen, L.R.
Approach to performance based regulation development. (UCRL – 79218) 353013
Safeguards material control at licensed processing facilities. (UCID – 17525-77-1) 358588
Spohn, H.
On algebraic condition for the approach to equilibrium of an open N-level system. 353155
Spohr, R.
Pinning of 180° Bloch walls at etched nuclear tracks in LPE-grown iron garnet films. 373357
Spokas, J.J.
Investigation of cables for ionization chambers. (COO – 323-37) 361058
Measurement of atmospheric alpha activity. (COO – 323-38) 360211
Special problems in nuclear instrumentation. Progress report, September 1, 1976 – November 30, 1977. (COO – 323-39) 366037
Spolders, H.
Correct liquid scintillation counting of steroids and glycosides in RIA samples: a comparison of xylene-based, dioxane-based and colloidal counting systems. Chapter 14. 349875
Spong, D.A.
A simple neoclassical point model for transport and scaling in EBT. 348923
Spooner, S.
Determination of low-field critical parameters of superconducting niobium by small-angle neutron diffraction. (CONF-771077 – 2) 373172
New small angle neutron scattering (SANS) instrument at ORNL using a position sensitive area detector. (CONF-771031 – 6) 366047
Small-angle neutron scattering of reactor-irradiated niobium. (CONF-771031 – 7) 364614
Spoor, H.J.
Skin cancer: comparison of aggressive potentials of sunlight-induced and x-ray-induced tumors. 379080
Spotila, J.R.
Thermoregulation and temperature relations of alligators and other large ectotherms inhabiting thermally stressed habitats. Progress report, 1 October 1974 – 30 September 1977. (COO – 2502-14) 360182, 360183
Spragg, W.T.
A radioisotope dilution method for the precise absolute determination of the flowrate of gas under industrial conditions. 352364
Sprague, J.A.
Simulation of high fluence swelling behavior in technological materials. (HEDL-SA – 1163) 378799
Theory of swelling and irradiation creep. (CONF-770641 – 7) 350788
Sprague, M.J.
The magnetic structures of $NiWO_4$ and $CoWO_4$. 353503
Spraktes, F.W.
Preparation of working calibration and test materials: uranyl nitrate solution. (PB – 267327) 356987
Sprangle, P.
High-power microwaves from a nonisochronic reflecting electron system. 364223
Springer, E.
Development of high field superconductors. Final report, September 1974. (N – 77-14893) 362356
Mechanical behaviour of Nb_3Sn superconductors. 359973
Springer, K.
Use of muonic x rays for nondestructive analysis of bulk samples for low Z constituents. 372918
Springer, W.
Manufacturing of a double-wall reactor insert by using special equipment for monitoring the strains and stresses caused by welding. 365720
Sprinkle, J.K.
Quadrupole moment of the first excited 2^+ state of ^{18}O. 351424
Sprott, A.J.
Method for visualizing water sorbed on metal surfaces. 356980
Sprott, J.C.
Ion cyclotron resonance heating in the Wisconsin supported toroidal octupole. 348877
Sprouse, G.D.
Lifetime of the 6^+_1 state in ^{42}Ti. 351339
Stony Brook superconducting heavy-ion booster project. 363307
Sprugel, D.G.
Behavior and transport of industrially derived plutonium in the Great Miami River, Ohio. 365312
Distribution of local and stratospheric plutonium in Ohio soils. 365283
Spruijt, T.
Measurements of diffusion coefficients of ^{60}Co in the intermetallic compound CoGa. 348849
Spruit, H.C.
Heat flow near obstacles in the solar convection zone. 372271
Small magnetostatic flux tubes. 369201
Spurny, F.
Fast neutron dosimetry by means of different solid state nuclear track detectors. 368326
Neutron dosimetry with solid state nuclear track detectors. 376656
The response of some thermoluminescent materials to neutrons. 355552
Spurny, V.
Eye protection in electron beam therapy. 379323
Spurny, Z.
Gonadal dose to Slovak population from natural external irradiation. 367837
Spurrell, R.A.J.
Coronary care: the place of positive myocardial scintigraphy. (INIS-mf – 4010) 362810
Spyrou, N.
On the energy in relativistic stellar dynamics. 350549
Tensor-virial equations for post-Newtonian relativistic stellar dynamics. 350548
Squarcia, S.
Analysis of the $\omega\pi^-$ system produced in the reaction $\pi^-p \rightarrow \pi^-\pi^-\pi^+\pi^0 p$ at 11.2 GeV/c. 353965
Application of the Hanbury-Brown and Twiss interferometry to the production of like pions in πsup(-)p collisions at 11.2 GeV/c. 353777
Squelard, S.
Ionization effect on the kinetics of crystallization in amorphous germanium. 370161
Squires, D.B.
On the problem of whether excited states amongst sputtered particles are of thermal origin. 374716
Sramek, R.A.
On the nature of NGC 520. 377658
Sramek, S.J.
Method of numerical solution of close-coupling scattering equations. 358834
Numerical computation of off-shell Coulomb scattering amplitudes. 358833
Srapen'yants, R.A.
Gamma-plant. (Soviet patent document 357597/A/) 370678
Srapenyants, R.A.
Construction of standard and correlation matrices in neutron activation analysis of plants. 378167
Multielement neutron-activation analysis of plants and fertilizers. 375365
Srb, M.
A radiotracer technique for evaluating the covering power of electrolytic baths for noble metals. 355116
Srebrny, J.
Levels in ^{130}Ba fed from ^{130}La decay. 354179
Microscopic dynamic calculations of collective states in xenon and barium isotopes. 372658
Srebrodol'skij, D.M.
Geologo-technical efficiency of rising thermometry and radioisotopes in investigation of pumping wells in Tataria. 360169
On the problem of natural radioactivity interpretation on the oil-gas fields. 376018
Srednyava, B.
Study on charge-exchange reaction of 2.34 GeV/C π^+ on xenon nucleus and problem of existence of π-mesons inside a nucleus. (JINR-D – 1,2-9342) 356886
Sree Ramulu, K.
Mutagenesis and breeding for disease resistance in capsicum. 373752
Sreenivasan, A.
Radiation induced alterations in the endotoxin of S. typhimurium. 352018
Radiation processing for the control of Salmonella in frog legs. 349829
Sreenivasan, S.R.
On steady force-free dynamos. 369202

Sreenivasulu, P.
Lipid metabolism in chlorotic spot virus infected groundnut leaves (Arachis hypogea L var. TMV 2). 367644
Sreepada, S.
Scaled thermal hydraulic simulation of open lattice PWR cores: a scoping study. Final report, Task B. (EPRI-NP – 296) 374223
Sridhar Rao, Ch.
Electrometallurgy of Ti, Zr and Hf. 351716
Sridhar, C.G.
Band structure of W and Mo by empirical pseudopotential method. (N – 77-19902) 362459
Sridharan, S.
Deuterium isotope effects in the solvolysis of benzal halides. 3. β-D_3 isotope effects and the mechanism of solvolysis of 1,1-dihaloethylbenzenes in dioxane-water mixtures. 378408
Srikantiah, G.
Hydrodynamic model of two-phase pipe flow. (BNL-NUREG – 23105) 357903
Srikrishna Murthy, G.
Experience in the manufacture of nuclear engineering equipment. 376332
Srinivas, S.
A model for calculation of pressure in the duct due to discharge of gas from a failed fuel pin. 355337
Srinivasacharya, K.G.
Equatorial enhancement of SSC amplitudes. 354710
Spectroscopic observation of LT-3 tokamak plasma at disruptive instability. (PGPP – 77-2) 371959
Use of optical filters for Tokamak plasma spectroscopy. 368976
Srinivasamurthy, K.G.
Complexes of ruthenium(II) and ruthenium(III) with tertiary arsines. 359698
Srinivasan, B.
Noble gases in the Allende and Abee meteorites and a gas-rich mineral fraction: investigation by stepwise heating. 369203
Srinivasan, M.R.
India's nuclear power programme and constraints encountered in its implementation. 371245
Indian experience in the implementation of a nuclear power program. 352611
Operating experience of RAPS. 379721
Srinivasan, R.
Electron spin resonance study of copper(II) doped ferroelectric ammonium sulphate. 371641
Srinivasan, T.M.
EPR of VO^{2+} in $ZnCs_2(SO_4)_2$ x $6H_2O$ single crystals. 355998
Srisankar, E.V.
Gamma radiolysis of aqueous solutions of α-cobalt(III) nitrilotriacetate. 365038
Srivastava, B.B.
An intermediate-energy approximation for electron-atom scattering. 366370
A two-potential intermediate-energy approximation for electron-atom scattering. 366371
Srivastava, B.J.
Geomagnetic secular variation in India-regional and local features. 367444
Srivastava, B.K.
Passage of heavy charged particles through matter. 361935
Srivastava, C.M.
Moessbauer studies of spin flucluations in Znsub(0.4)Fesub(2.6)Osub(4). 366395
Srivastava, H.R.
A simple microtitrimetric method for the estimation of zinc, cadmium, mercury, aluminium, iron, thallium, rare earths and rare elements. 375366
Srivastava, J.K.
A new triple resonance experiment. 366475
Srivastava, K.S.
Intensity of high energy double plasmon satellite of the K X-ray emission spectrum of Be. 371687
Srivastava, M.K.
Comments on the angle Glauber approximation. 359371
e-H exchange scattering in modified Born approximation. 353362
e-H exchange scattering in the generalised Coulomb-projected Ochkur-Born approximation. 348701
Glauber amplitudes for transitions from low lying states in hydrogen atom by charged particle impact. 371506
nlm→n'l'm' Glauber transition amplitudes in charged particle hydrogen atom collisions. 353295
Srivastava, O.N.
Curious resistivity behaviour of vacuum evaporated Er, Dy and Gd films. 366462
A new reduced variant in gadolinium and samarium monoxide thin films. 375920
Polymorphism and electrical behaviour of yttrium thin films. 378652
Srivastava, P.K.
National standards of ionizing radiations maintained at BARC, Trombay, Bombay : Part II – Radioactivity standards. (INIS-mf – 4161) 376253
Srivastava, P.N.
A note on immediate mortality in the fish Oryzias latipes after exposure to massive γ-radiation. 379021
Srivastava, P.P.
Supersymmetry and pseudoclassical dynamics of particle with any spin. 363844
Srivastava, R.
Electron-impact excitation of H and He. 374641
Srivastava, R.D.
Dissociation energies of alkaline earth monoxides. 378778
Srivastava, R.P.
An atomic device for trapping energy. 353363
Srivastava, R.V.N.
Measurement of the rate of production of bacteria in the rumen of buffalo calves using ^{14}C Str. Bovis. 352132
Srivastava, S.K.
Electron impact excitation cross sections for Kr at 15, 30, 50 and 100eV. 358835
Electron-impact excitation of the low-lying electronic states of HCN. 368619
Experimental and theoretical study of electron impact excitation of Cu. 358845
Experimental differential and integral electron impact cross sections for the B $^1\Sigma sub(u)^+$ state of H_2 in the intermediate-energy region. 361393
Gravimetric estimation of thorium(IV) and zirconium(IV). 375301
Measurement of the rate of production of bacteria in the rumen of buffalo calves using ^{14}C Str. Bovis. 352132
Role of protein malnutrition and malabsorption experimental hypothyroidism. 367645
Studies with inorganic ion exchange membranes – a membrane selective to strontium ion. 367088
Synthesis and ion-exchange properties of cerium(IV) molybdate. 367132
Tachyon dust universe. 359167
Srivastava, V.K.
Studies on experimental infection of rabbits with irradiated metacercariae of Fasciola giganticas Cobbold, 1885. 352147
Srivastava, Y.
Allowed supersymmetric vacuums. 358656
Duality for vector and axial vector current propagators. 353798
Pion exchange in inclusive neutron production at very high energies. 356410
Srivenkatesan, R.
Reactivity requirements and safety systems for heavy water reactors. 371000
Sroczynska, M.
Nonspherical magnetized solar wind. 372272
Sroubkova, L.
Shockley surface states on (110) face of molybdenum. 370060
Sryvalin, I.T.
Using molecular dynamics method for the evaluation of Fe-Ni and Al-Zn melts structure properties. 349516
Sserunjoji-Sebalija, J.
Environmental insecticide residues from tsetse fly control measures in Uganda. 379169
Staab, E.V.
Cerebrospinal fluid kinetics in normal human volunteers via radionuclide imaging and mathematical modelling. 354952
Staahl, G.
Interactions of LMFBR core debris with concrete. (CONF-761001 – P4) 362857
Staahl, G.E.
Cs – U – O phase diagram and its application to uranium – plutonium oxide fast reactor fuel pins. (ANL – 76-126) 370083
Staas, F.A.
An improved He^3-He^4 mixing chamber for single-cycle experiments. 376326
Staats, P.A.
Status of the USA program on the development of submillimeter lasers to measure ion temperatures. (CONF-770954 – 5) 377343
Stabrylla, R.G.
Boron/aluminum fan blades for scar engines. Final report. (N – 77-26135) 378792
Stacey, B.J.
$f^0(1270)$ production in the reaction $\pi^-p \rightarrow \pi^+\pi^-n$ at 12 and 15 GeV/c. 372501
Stacey, W.M. Jr.
Plasma driving system requirements for commercial tokamak fusion reactors. (CONF-771029 – 191) 377364
Plasma engineering studies for the tokamak experimental power reactor. (CONF-771029 – 190) 377540
Plasma-wall-divertor model for tokamaks. 377541
Stacey, W.T.
Origin of the uniaxial anisotropy in thin films of $(YLaPB)_3(FeGa)_5O_{12}$ and its variation along the growth direction. 365195
Stach, H.
Device and method for localizing and plugging leaking tubes of a straight-tube type heat exchanger. (German (F.R.) patent document 2503260/A/) 355283
Pipe connection for high pressure and temperature loads. (German (F.R.) patent document 2452770/A/) 355143
Stachel, J.
A variational principle giving gravitational 'superpotentials', the affine connection, Riemann tensor, and Einstein field equations. 353156
Stachowicz, W.
Distribution of absorbed dose of ionizing radiation in bone in simulated therapeutic irradiation measured by means of electron spin resonance technique. 379350
Intermediate products in the radiolysis of solid cis-pentene-2. 365071
Stachura, M.E.
Plasma thyroglobulin in detecting thyroid carcinoma after childhood head and neck irradiation. 360275
Salivary gland neoplasms as a late consequence of head and neck irradiation. 352054

Stacy, E.
Failure analysis of radioisotopic heat source capsules tested under multi-axial conditions. 370695
Stadalnik, R.C.
Hepatobiliary scanning using /sup 99m/Tc – pyridoxylideneglutamate. 360382
Scintigraphy of the biliary system using ^{99}Tcsup(m)-pyridoxylideneglutamate (PG). 354961
Stade, J.
Neutron radiography with an electron linear accelerator. 358024
Stade, K.C.
Chemistry in the KNK-II. 376586
Experience from purification of sodium-wetted components at the KNK-facility. (CONF-760503 – P2) 352797
Stade, K.Ch.
Corrosion product behaviour in the primary circuit of the KNK nuclear reactor facility. (IWGFR – 7) 360998
Failed fuel detection systems at the KNK nuclear power station. (IWGFR – 7) 360979
Stadie, K.B.
Evaluation of experience and trends in international co-operation in nuclear safety and licensing. 370614
Stadlbauer, E.A.
Radioimmunoassay. Early diagnosis in the test tube. 360403
Stadler, I.
K/C age determination in potassium fieldspars. 375987
Stadnicov, T.
A few remarks on the dependence of GAMMAsub(n)sup(0) on the nuclear structure. 356678
Stadnik, Z.M.
Investigations of crystal and magnetic properties of nickel ferrite-aluminates. 371560
The Moessbauer effect and magnetometric investigations of iron-doped sodium A-type zeolite. 374666
Stadnikov, A.G.
Formulae and estimations of parameters for superhigh energy proton synchrotrons. (ITEF – 106) 374089
Proposal for construction of superhigh energy proton accelerators. (ITEF – 11) 376388
Staebler, A.
Neutral injection requirements and parameters for the ASDEX Tokamak. (IPP – 4/159) 356160
Staehle, J.T.
Energy and technology review. (UCRL – 52000-77-6) 371067, 377396, 377433, 377459, 377477, 377500
Staehler, G.
Morphological changes on the urinary bladder wall of the rabbit after Argon laser radiation. 352037
Staehler, J.
Inner-shell ionization in symmetric ion-atom collisions at MeV energies. 353335
K-shell vacancy creation in collisions of F ions and target atoms from Z=5 to 57. 353364
Stafast, H.
Collisional configuration rearrangement in fast Ne projectiles. (INIS-mf – 3996) 364111
Stafeev, V.I.
Magnetoresistive effect in CdHgTe near the gapless state. 368818
Staffin, R.
Limits on a π-μ atom anomaly. 359317
Stafford, D.L.
Design of real-time operating system software. (LF – 56) 362755
Stafford, R.G.
Computerized plutonium laboratory-stack monitoring system. (LA-UR – 77-1791) 362617
Stahl, W.
Carbon isotopes in oil and gas exploration. Examples of applications. 376019
Stahlberg, R.
About the detection of imperfections as a main task for nondestructive testing. 358026
Approaches to standardize the test methods for the determination of fracture mechanics characteristics with the aid of the J-integral. 358025
Characterization and evaluation of common methods of measuring Jsub(Ic)-values for nuclear pressure vessel steels. 376399
Determining the fracture toughness of c-shaped specimens. 376400
Present state of the determination of characteristic fracture mechanics data for steels and cast steel grades in the primary circuit of water-cooled nuclear reactors. 358027
Simplified method of computation for fatigue crack growth. 376401
Stahlhofen, W.
Arrangement used to determine the total activity of gamma rays emitted by a body. (German (F.R.) patent document 2517752/A/) 355558
An instrument for the determination, independent of position, of radioactively labelled aerosols in the lungs for clearance testing. (AED-Conf – 76-134-005) 355029
Stahlkopf, K.E.
Detection of stress corrosion in stainless steel piping by acoustic emission. 365788
Stair, P.C.
Adsorption of benzene on the Pt(111) surface studied by low-energy electron diffraction intensity measurements and quantitative Auger electron spectroscopy. 369707
Stairs, D.G.
201-GeV/c proton-proton elastic scattering at large momentum transfer. 366888
Stajic, J.
Effect of decontamination treatment in prophylaxis of irradiation at conditions of radiocontamination of normal and damaged skin. 354860
Stajicj, J.
Radiation hygiene of animal production in normal and emergency situations. 370369
Stakebake, J.L.
Plutonium release from burning sodium. 357817
Staker, R.G.
ERBR-II: more than a decade of experience with an experimental LMFBR power plant. 371055
Stakhanov, I.P.
A possibility of wall-protecting cold-plasma layer formation in a tokamak reactor. 371898
Stakhin, A.A.
Converter of a binary code into a binary-decimal one. 371183
Stakhira, I.M.
Effect of hydrostatic pressure on electric conductivity and the Hall coefficient of n-type In_2Se. 374756
Stakhurskij, L.L.
Ferromagnetic resonance $CdCr_2Se_4$. 348817
Stal'bovskij, O.I.
Spectral evolution of the Nova Oygni 1975. 361736
Staley, H.G.
Justification for substituting TRA CON 2212 epoxy for Epon 828 epoxy in the fabrication of 75 mW (B) thermoelectric modules. (GA-A – 14722) 379397
Master test plan for the MB-75 mW (B) generators. (GA-A – 14717) 379391
MB-M75 (B) radioisotope thermoelectric generator reliability analysis. (GA-A – 14724) 379388
MB-75 mW (B) program plan. (GA-A – 14716) 379390
Stalinski, B.
Electron paramagnetic resonance of Nd^{3+} ions in YD_3. 378252
Stalker, K.T.
Coded aperture imaging methods for fuel motion measurement. (CONF-761001 – P2) 362960
Coded aperture imaging of reactor illuminated LMFBR fuel pins. (SAND – 77-1014C) 367765
Development of a coded aperture fuel motion diagnostics system for the ACPR (upgrade). (SAND – 77-1553C) 374278
Stallard, B.W.
Directions for possible upgrades of the Mirror Fusion Test Facility (MFTF). (UCRL – 80475) 377380
Stallmann, F.W.
Dosimetry experiment for neutron spectral characterization of the second NRC 4T-CT irradiation capsules at BSR. (CONF-771036 – 3) 365999
Foil activation dosimetry at energies below 1 MeV. (CONF-771036 – 5) 379948
Stalnaker, N.D.
Generation of uniform density transuranium oxide aerosols by gas phase neutralization of acidic droplets. (LF – 56) 365326
Toxicity of inhaled alpha-emitting radionuclides: an experimental approach. (LF – 56) 365430
Stamatakis, T.
Multikilojoule CO_2 laser heating of polythene pellets. (INIS-mf – 3963) 372080
Stamatelatos, M.G.
Accurate approximations to average beta-particle energies and spectra. 351311
Calculation of cross-section space shielding factors for doubly heterogeneous reactor cores: pointwise or ultrafine group method. (LA-NUREG – 6837-MS) 352702
Comparisons of calculated and experimental delayed fission-product beta and gamma spectra from ^{235}U thermal fission. (LA-NUREG – 6896-MS) 361973
Fission product data for thermal reactors. Final report. Part I. A data set for EPRI-CINDER using ENDF/B-IV. (EPRI-NP – 356(Pt.1)) 367997, 367998
Fission product data for thermal reactors. Part 2. Users manual for EPRI-CINDER code and data. (LA – 6746-MS) 379529
Fission-product source terms for reactor applications. (LA-NUREG – 6917-MS) 367999
Stamato, F.M.L.G.
Computational method to obtain isoelectronic density curves. 350644
Stamatov, D.
Investigations into the changes of IR and UV spectral characteristics and the formation of geometric and position isomers in the case of sunflower oil, lard and butter under the influence of gamma rays. 365078
Studies on the changes of biologically active complexes of sunflower oil, tard, and butter under gamma irradiation. 365063
Stamatovic, A.
Factors affecting the sensitivity of plastic detectors to ionizing α-particle registration. 368271
Orientation in the electron scattering by laser excited Na(3^2P) – atoms. 353265
Resonant electron scattering from vibrationally excited N_2. 353387, 377146
Stamberg, J.
Selection with cycloheximide of metabolic and uv-sensitive mutants of Schizophyllum commune and Saccharomyces cerevisiae. 373503
Stamenov, J.N.
Energy spectrum of primary cosmic radiation in the energy range from 10^{13} to 10^{16} eV. 361706
Spatial distribution of electrons and muons in extensive air showers on a mountain level. 362606

Stamer, P.E.
On-line display aids for the automated measuring of bubble chamber film at Fermilab energies. 352816
Stamm, H.H.
Chemistry in the KNK-II. 376586
Corrosion product behaviour in the primary circuit of the KNK nuclear reactor facility. (IWGFR – 7) 360998
Failed fuel detection systems at the KNK nuclear power station. (IWGFR – 7) 360979
Sorption on metal surfaces of radionuclides from sodium. 376595
Stamm'ler, R.
Nodal coupling of heterogeneous pin cells. 360783
Note on pin-cell homogenization. 360780
Stammbach, T.
Proposal for an experiment at the SIN: determination of D-state admixture in deuterons with the aid of π^+-d scattering. (LA-tr – 77-74) 377806
SIN accelerator, operational experience and improvement programs. 363267
Stamper, J.
Laser-matter interaction studies at NRL. 372038
Stamper, J.A.
Enhanced backscatter with a structured laser pulse. 359007, 361616
Experimental studies of the physics of laser fusion. 377542
Resonant enhancement of the magnetic radiative force. 359020
Stan, A.S.
Fast neutron activation analysis of silicon in tungsten. 351462
Stan, M.
On the irreversible processes in continuous systems. 376944
Stanbridge, J.R.
The feasibility of remotely separating and rejoining the main coolant pipes of a fusion reactor. (CLM-R – 174) 356091
Strain in the zircaloy clad of fuel pins in loss-of-coolant accidents. 354563
Stanc, S.
E2-type measuring fuel elements for A-1 power plant reactor. 350244
Methods of measuring and evaluating data from the R3E 100 mm dia. experimental fuel element. 350247
Technique of measuring and evaluating the R3E dia. 112 experimental fuel element. 350245
Stancicj, V.
The perturbation method for time dependent neutron transport equation solving. 377842
Stanculescu, A.
Core design of sodium-cooled fast breeders (SNR) with regard to strategic design targets. 370803
Standage, M.C.
New data on the polarisation of helium lines excited by electron impact. 350684
Standefer, J.C.
Radiosensitivity of defined populations of lymphocytes. VI. Functional, structural, and biochemical consequences of in vitro irradiation. 362624
Standke, R.
A dynamic model of the heart for the stimulation of rapid cardiovascular studies. (INIS-mf – 4010) 371179
Standley, R.D.
Sputtering of polycrystalline InP on CdS and other substrates. 351864
Standzenieks, P.
Trace element analysis in thick organic specimens by photon excited X-ray fluorescence. 356927
Stanescu, D.
Some contributions to the investigation of V_2O_5 – MoO_3 system. 356555
Stanescu, L.
Some contributions to the investigation of V_2O_5 – MoO_3 system. 356555
Thermogravimetric study of V_2O_5 – TO_3 solid solutions (T = Mo or W). 356060
Stanescu, S.P.
Nondestructive burn-up verification of EK-10 fuel, by Ge(Li) gamma-ray spectrometry. 379406
Stanev, G.A.
Experimental study on interaction of ultracold neutrons with metals and gases. (INIS-mf – 3895) 353448
Investigation of the very cold neutron cross section for some metals and gases. 375083
Stanevich, T.V.
Extraction-complexonometric determination of vanadium(4) in the presence of vanadium(3). 349165
Stanfield, K.C.
Measurement of phi production in proton-nucleus collisions at 400 GeV/c. 366877
New limits on D^0(1.865) production in proton-nucleus collisions at 400 GeV/c. 361882
Stanga, M.L.
Small angle elastic scattering of polarized protons. 356704
Stanga, R.
A new fast and programmable trigger logic. 371097
Stangeby, P.C.
Canadian gas target neutron generator research. 355180
Stangenberg, F.
Determination of response spectra for seismic design of components. 370991
Stangrit, P.T.
Electrode processes during niobium refining in chloride-fluoride melts. (INIS-mf – 4189) 375488
Stanislavskij, M.P.
Associates model and concentrational decoloration of induced colour in ruby. (KFTI – 74-47) 355955
Colour centres in doped corundum crystals. (KFTI – 74-47) 355954
Stankevich, K.S.
Time local intensity variations in the Cassiopeia-A radiosource spectrum. 369024
Stanko, V.I.
Basic regularities of carboranes-12 redox isomerization. 359699
Intramolecular nucleophilic splitting of 3-hydroxy-1,2-and 2-hydroxy-1,7-dicarbacloso-dodecaboranes (12). 369601
Investigation into electronic structure of some C-substituted of dicarbaclosododecarboranes using IR and NMR spectroscopy. 364932
A method for determining trace impurities of o-iodobenzoic acid in o-iodohippuric acid. 354412
Method for production of l-triiodotyronine labelled by iodine radioisotopes. (Soviet patent document 219105/A/) 354377
Pecularities of the introduction of technetium isotopes into protein molecules using human serum albumin as an example. 373035
Selectivity of deuterium exchange in dodecahydro-7,8-dicarbanidoundecarborate (1-), 7,8-$C_2B_9H_{12}^-$. 369645
Spectra of ^{127}J nuclear quadrupole resonance of organic iodine compounds of diagnostic using. 349200
Stankov, V.G.
Extraction separation of Eu, Gd and Yb from biological material by some tertiary and quarternary ammonium salts. (INIS-mf – 4143) 372999
Rare earth separation from biological material by extraction with di-(2-ethylhexyl)-phosphoric acid. (INIS-mf – 4143) 372995
Stankova, E.
Radioactivity studies on Danube water and fish in the Bulgarian section of the Danube from 1964 to 1974. 357517
Stankowski, J.
Investigation of molecular motions dynamics by NQR and quadrupole relaxation methods – application of high pressure technique. 377238
Investigation of phase transformations in $/Cd(NH_3)_6/(BF_4)_2$ and $/Cd(NH_3)_6/(SO_3F)_2$ complexes. 377266
Temperature dependence of EPR spectra of $/Ni(NH_3)_6/^{2+}$ complexes in $/Cd(NH_3)_6/(BF_4)_2$. 377284
Stanley, D.
Density dependent interactions and the consistency of folding estimates of nucleon-nucleus and nucleus-nucleus potentials. 362017
Quadrupole effects in the elastic scattering of ^{10}B, ^{11}B and ^{12}C by ^{27}Al. 354248
Stanley, H.G.
Bibliography on ocean waste disposal. second edition. Final report 1976. (PB – 265831) 358536
Stanley, J.B.
Analytical methods for determining the concetration ratio in mixtures of trioctylphosphine oxide and di(2-ethylhexyl)phosphoric acid. 364916
Stanley, M.L.
Instrumentation and Control Division annual report. (TREE – 1110) 373867
Stanley, P.
Fracture mechanics in engineering practice. Papers presented at the 1976 annual conference of the Stress Analysis Group of the Institute of Physics held at the University of Sheffield, England. 351678, 351759
Stannard, D.
The variability of flat-spectrum radio sources at 962 MHz. 349029
Stannard, J.N.
Environmental toxicity of aquatic radionuclides: models and mechanisms. 367397
Stannett, V.T.
Localized radiation grafting of flame retardants to poly(ethylene terephthalate). I. Bromine-containing monomers. 365067
Stansbury, P.S.
In-phantom spectrometry of medical diagnostic x rays. (ORNL/TM – 5873) 362709
In-phantom spectrometry of medical x rays. (ORNL – 5171) 367537
Stanton, P.L.
Electrical and mechanical response of lithium niobate shock loaded above the Hugoniot elastic limit. 367321
Stanton, R.
Electrical constancy check for remote-reading op – amp radiation dosimeters. 352827
Stanton, R.E.
Hartree – Fock and correlation energies of expanded metallic hydrogen. 368705
Stapelbroek, M.G.
Electron-spin-resonance investigation of the $[Al]^0$ and $[Ga]^0$ centers in single crystals of tetragonal germanium dioxide. 362549
Stapf, I.
The high temperature modifications of the compounds $PrAg_2$ and $NdAg_2$. 378695
Staples, B.A.
Airborne elemental iodine loading capacities of metal zeolites and a method for recycling silver zeolite. (ICP – 1119) 366084
Development of Ag^0Z for bulk ^{129}I removal from nuclear fuel reprocessing plants and PbX for ^{129}I storage. (ICP – 1135) 380020
Staples, J.
Heavy ion facility for radiation therapy. 363289
Stapp, H.P.
Ordered S-matrix approach to the topological expansion for baryons and mesons. (LBL – 6735) 377770

The pole-factorization theorem in S-matrix theory. 374565
Starace, A.F.
Behavior of partial cross sections and branching ratios in the neighborhood of a resonance. 350685
A graphical approch to the spin-orbit interaction*. 368653
Starchak, V.G.
Increase in hydrogen embrittlement resistance of chromium steels. 375896
Starchenko, B.M.
Tuning of a magnetostriction spark chamber system of the "Photon" device by means of a beta source. (JINR – 13-10321) 379856
Starchenko, E.A.
General features of anti pp interactions at 32 GeV/c. 353973
Study on the dependence of associative multiplicity of charged pions upon π^- meson transverse momentum in pp interactions at 69 GeV/c. 351218
Starek, M.
Radioisotope control of growth suitability of media. 379153
Staren'kij, A.G.
Radiation action with LET on cellulose esters. 375707
Stari, F.
High spin levels of sup(144)Nd excited in the (α,2n) reaction. 359457
Starik, P.M.
Temperature dependences for electric properties of the (PbSe)sub(1-x)(SnTe)sub(x) solid solutions. 349300
Starikov, V.N.
Structure instability and absence of superplasticity effect in eutectics under torsion. 349540
Starikova, G.V.
Structure instability and absence of superplasticity effect in eutectics under torsion. 349540
Stark, J.P.
X-ray spectra and variability of some Seyfert galaxies and other high latitude sources. 372273
Stark, R.
Advanced fuel bumpy tori. (EPRI-ER – 536-SR) 371861
Stark, W.A. Jr.
Surface area-burnoff correlation for the steam – graphite reaction. (LA-UR – 77-1956) 368236
Stark, Y u.S.
Study on the effect of substitution impurities on mechanical propert s of diluted solid solutions on niobium and copper. 349541
Starke, T.P.
Sideband dispersion. 361630
Starkey, H.S.
Borehole geophysical investigations in the South Texas uranium district. 375975
Starkov, F.A.
Development of ground methods for investigation of cosmic ray variations. 357525
Starkov, G.V.
Aurorae and auroral high-energy electrons. 357540
Starkov, V.N.
Commercial production of tungsten-rhenium (VR27-VP) and molybdenum-rhenium (MR47-VP) alloy semiproduct. 349420
Starkovich, V.
Study of fast reactor safety test facilities. Preliminary report. (LA – 5978-MS) 370530
Starner, A.E.
Effect on construction of design changes. 358105
Starobinets, A.A.
On the radial- and velocity distribution of electrons in an accelerator. 360734
Starobinskij, A.A.
Energy and pressure for the creating matter near an isotropic cosmological singularity. 374934
Particle creation in the vortex cosmological model. 356281
Primary black holes and the deuterium problem. 369238
Starobinsky, A.A.
Quantum effects in cosmology and black-and-white hole physics. 356322
Starodub, A.N.
Fluctuations of plasmons localized in a plasma by a pumping electromagnetic wave. 374858
Starodub, N.F.
Action of radiation on biosynthesis of hemoglobin and some of its electrophoretic fractions. 362687
Erythropoietic activity of the plasma of irradiated animals. 379015
Starodubov, K.F.
On calculation of the strength of natural filament compositions produced on the basic of carbon steels. 349542
Starodubov, S.M.
Effect of irradiation and cystamine on the secondary induction of cornea in anura larvae. 379036
Starodubtsev, A.I.
The application of a high pulse repetition rate CO_2 laser with high average power for isotope separation by molecular dissociation in a strong IR field. 355067
Starolat, M.P.
On the influence of high energy (250MeV) electron irradiation on the structure and properties of aluminium. (KFTI – 74-47) 366413
Starosta, W.
Ball bearings investigation by isotopic method. 367039
Levels in ^{130}Ba fed from ^{130}La decay. 354179
Starostecki, R.W.
LMFBR accident energetics and their role in licensing. (CONF-761001 – P2) 365609
Starostin, N.V.
Theoretical investigation of uranium ions luminescence in crystals of different symmetry. (INIS-mf – 3955) 377261
Starostin, V.A.
Level population of ^{92}Mo in inelastic scattering of fast reactor neutrons. (INIS-mf – 3896) 356740
Starostov, B.I.
Measurement of prompt neutron spectra of ^{233}, ^{235}U, ^{239}Pu fission with thermal neutrons by relative and absolute methods. (INIS-mf – 3896) 356684
Study on effect of fission delayed gamma quanta in measuring fission neutron spectra by means of time-of-flight method. (INIS-mf – 3896) 358383
Start, D.F.H.
Low frequency electrostatic waves in the Culham Levitron. (INIS-mf – 3963) 371725
Startsev, A.N.
Preparation of the (Re + Pt)/SiO+L2 catalysts using rhenium platinum organometallic compounds. 378257
Startsev, S.A.
Some problems in ultracold neutron physics. (INIS-mf – 3895) 355493
Startsev, V.A.
Corrosion protection of magnesium-zirconium alloy during long-time storage. 359833
Startsev, V.P.
Spontaneous and stimulated radiation of monocrystals of yttrium and rare earth oxyortho-silicates activated by golmium. (INIS-mf – 3955) 377249
Startsev, V.S.
Some regularities of glass formation in P_2O_5-BeO-Mesub(x)O and P_2O_5-BeO-MeFsub(y) system. 378446
Startsev, Yu.S.
Determination of the main commercial components of the apatite ores in Khibiny using nuclear well logging. 351951
Neutron activation logging for fluorine (NAL – N^{16}). 375992
Quantitative analysis for potassium and acid-soluble aluminium. 351952
Stary, F.
High-spin states in odd-A Te isotopes. (ZfK – 336) 364778
High-spin states in the N = 82 nucleus $_{61}{}^{143}Pm_{82}$. (ZfK – 336) 364816
Investigation of high-spin states and decay of an 11/2$^-$ isomer in ^{151}Tb. (ZfK – 336) 364789
Some states in ^{175}Lu and ^{176}Lu excited in reactions with deuterons. (ZfK – 336) 364743
Stary, J.
Use of solvent extraction for separation and determination of organomercuric compounds. (INIS-mf – 3849) 378168
Staschewski, D.
Vapour pressure of $H_2{}^{18}O$ ice (-50 to 0°C) and $H_2{}^{18}O$ water (0 to 170°C). 357024
Stashkevich, O.M.
Extraction of cadmium as its complex with iodide ions and quinoline dyes. 378129
Stashkevich, V.V.
Infrared spectra of molybdenum(6) complexes with some oxyacids. 357013
Stasiulevicius, E.
Thermal neutron spectra measurements in IEAR-1 Reactor, by using a crystal spectrometer. (IEA – 397) 354189
Stassinopoulos, E.G.
Prediction and measurement results of radiation damage to CMOS devices on board spacecraft. (N – 77-19162) 363632
Radiation background in space and its evaluation. 377653
Stassis, C.
Field induced magnetic form factor of γ-Ce. (IS-M – 113) 373273
Stasyuk, Yi.V.
Dynamic theory of the phase transition in the ferroelectrics of Basub(x)Srsub(1-x)Nb_2O_6 type. 366429
Stasyunas, O.P.
Criterion of titanium aviation alloy application. 351811, 375897
Experimental heat resisting alloy Hayness 556. 351718, 375796
Staszel, M.
Pole model of form factors of light nuclei. 353793
Statham, P.J.
Deconvolution and background subtraction by least-squares fitting with prefiltering of spectra. 378169
Stathoplos, A.
Protection of the PWR against loss of coolant effects. 362902
Statsenko, V.M.
Thermal cycling effect on the thermoelectromotive force of some alloys. 349478
Statsyuk, V.N.
Investigation into indium(3) complexes with 2,2'-bipyridyl by potentiometry. 378409
Stauber, M.C.
Induced radiations in spacecraft as background to gamma/x-ray measurements. 377654
Staud, H.
Aerosol filters in facilities with a high radiation level. 360700
Staude, A.
Further evidence for production of electrons with small transverse momenta in pp collisions. 377784
Staudte, R.
A high precision video-electronic measuring system for use with solid state track detectors. 368319
Stauffer, A.D.
The Coulomb – projected Born approximation with variable

charge. 353353
Polarisabilities and shielding factors for He, Ne and Ar. 366357
Stauffer, B.
Determination of impurities in ice-cores from the Jungfrau-Joch by neutron activation analysis. 372940
Stauffer, M.
Owner's quality assurance as a tool for technology transfer. 352612, 358163
Staun Olsen, J.
Electron hopping and temperature dependent oxidation states of iron in ilvaite studied by Moessbauer effect. (INIS-mf – 4029) 364030
Optimum resolution in X-ray energy-dispersive diffractometry. (INIS-mf – 4030) 355967
White beam, X-ray, energy-dispersive diffractometry using synchrotron radiation. (INIS-mf – 4032) 353409
X-ray energy-dispersive diffractometry using synchrotron radiation. 361429
Stauning, P.
Observations of long-period pulsations in electron precipitation at 75° magnetic latitude. 367415
Stavitskij, R.V.
Device for simulation of integral dose distribution in multifield radiotherapy. (Soviet patent document 441733/A/) 379482
Stavrovskij, D.B.
Some optical properties of mono- and polycrystals of molybdenum and tungsten in ultraviolet spectrum range. 357324
Steadman, S.G.
Pre-equilibrium alpha emission accompanying deep-inelastic $^{16}O + ^{58}Ni$ collisions. 354207
Stearner, S.P.
Dose-effect relationships for fife shortening, tumorigenesis, and systemic injuries in mice irradiated with fission neutron or ^{60}Co gamma radiation. 354765
Stearns, C.A.
Susceptibility to hot corrosion of four nickel-base superalloys, NASA-TRW VIA, B-1900, 713C and IN-738. (N – 77-21216) 367185
Stearns, J.W.
D- production by backscattering from clean alkali-metal surfaces. (LBL – 6839) 363922
Electron capture and loss cross sections for multicharged iron and argon ions in argon and molecular hydrogen. 368610
Equilibrium charge-state fractions for 2.7-31 keV deuterium atoms and ions in strontium vapor. 366321
Large-payload earth-orbit transportation with electric propulsion. (N – 76-33270) 363544
Single electron capture and loss cross sections for highly stripped Fe ions in hydrogen at 3.4 MeV/nucleon. 353191
Stearns, S.D.
Integration and interpolation of sampled waveforms. (SAND – 77-1643) 379460
Stebbings, R.F.
Collisional ionization of Xe(nf) atoms by electron attaching targets. 377006
Effects of state changing collisions in studies of collisional ionization of xenon high Rydberg atoms. 377121
Ionization of xenon atoms in high Rydberg states by collision with molecules. 350612
Stebin, V.I.
Amorphous ice crystallization kinetics in vacuum. (KFTI – 75-10) 356377
Stecher, M.
Dosimetric studies of eye exposure in radiation therapy of tumours in the head and cervical region with fast electros from a 17-MeV betatron. 376230
Steck, D.
Measurement of light emission from remote cosmic-ray air showers. 365315
Steck, D.J.
Isospin forbidden and allowed reactions $^{16}O(\alpha,\alpha_0)^{16}O$ and $^{16}O(\alpha,\gamma/sub\ i/)^{20}Ne$. 372816
Steckel, G.L.
Thermodynamics of oxygen in solid solution in vanadium and niobium – vanadium alloys. (COO – 1198-1189) 378737
Stecker, F.W.
The galactic halo question: new size constraints from galactic gamma-ray data. (N – 77-22039) 366762
The highest energy cosmic rays. 369204
Stecura, S.
Dissolution kinetics of small amounts of oxygen in tantalum alloy T-111 and internal oxide displacement reactions during annealing. 357190
Stedeford, B.
Effective measuring position for cylindrical ionization chambers when used for electron beam dosimetry. 360549
Fast neutron therapy beam produced by 26 MeV protons on beryllium. 376243
Steeb, S.
Interdiffusion studies in liquid bismuth-antimony alloys. 356007
Short range order in binary melts and binary solid solubilities. 374683
Short range order of Mg-Cd-alloys during the transition from the solid to the molten state. 374682
Steeb, W.H.
Nonlinear autonomous dynamic systems, limit cycles, and one-parameter groups of transformations. 371438
Steeds, J.
Preliminary microstructural examination of high and low ductility type 316 creep rupture specimens. (CEGB-RD/B/N – 3991) 357251
Steeger, E.J.
Prediction of thermoelectric battery power and voltage for a 15 year lifetime MB-75 mW (B) battery. (GA-A – 14718) 379398
Steel, A.J.
An automatic helium purifier for integration with small laboratory liquefiers. 360636
A 300 W 1.8 K refrigerator and distribution system for the CERN superconducting RF particle separator. 360735
Steel, D.G.
Characterization of an ultradense reproducible Z pinch. 366530
Intense CO_2 laser interactions with a dense helium Z-pinch plasma. 361631
Steele, F.K.
Comparison of nighttime propagation anomalies observed at two very low frequencies. 367445
Steele, L.E.
Surveillance as a complement to irradiation embrittlement studies: Status and needs. (IAEA – 202) 376477
Steele, O.P. III
Reaction rate of sodium with ethanol and other alcohols. 361004
Sodium removal technology: the alcohol process. (CONF-760503 – P2) 352715
Steele, R.K.
Influence of microstructure and mean stress on the fatique behaviour of Ti-6Al-4V. 370054
Steele, W.F.
Calorimetric and optical beam diagnostics on the LBL 120-keV neutral beam test facility. (LBL – 6383) 377367
Steenbeck, M.
Proposal of a high-power stationary accelerator for highly charged medium-heavy ions. 374090
Steenbergen, C.
Reorientation motions of the ammonium group in NH_4ZnF_3 studied with inelastic neutron scattering. (INIS-mf – 4267) 377290
Steenhoek, A.
A duel head Anger camera system for the imaging of positron emitting radionuclides. (INIS-mf – 4010) 358387
Steenhuysen, L.W.G.
Transfer of excitation between 2p levels of neon induced by collisions with neutral neon atoms. 371472
Steenken, S.
Formation of radical cations and zwitterions versus demethoxylation in the reaction of OH with a series of methoxylated benzenes and benzoic acids. 357172
Pulse radiolysis and electron spin resonance studies on the formation of phenoxyl radicals by reaction of OH radicals with methoxylated phenols and hydroxybenzoic acids. 367175
Steenman-Clark, L.
Effective potentials for electron-atom scattering below inelastic thresholds. 348734, 368706, 374639
Stefan, V.
Plasma parametric resonance in the non-monochromatic pump-wave. (INIS-mf – 3963) 371714
Stefani, G
Mapping of molecular orbitals in CO_2 and SF_6 obtained by (e,2e) technique. 353365
Stefani, G.
Absolute (e, 2e) differential cross section measured in coplanar conditions: He. 371534
An investigation on the interaction mechanism in (e,2e) experiments. 353250
Validity of the (e,2e) reactions as a probe of the atomic and molecular structure. 371485
Stefanini, A.
A new fast and programmable trigger logic. 371097
Stefanini, A.M.
A plunger device for in-beam measurements of nuclear lifetimes. 363553
Stefanov, V.I.
Thermal conductivity measurement of gases and vapours up to 2500 K. 378759
Stefanovic, D.
The nuclear fuel cycle for research and power reactors. 369844
Stefanovich, A.A.
Titanium and titanium alloys boronizing. (INIS-mf – 4046) 369871
Stefanovich, N.N.
Radiation action of mechanoelectrons. 369794
Stefanovskij, E.P.
On the phase transformations in ferrites in the vicinity of the compensation point. 349439
Relaxation of NMR signal near the point of reorientational phase transitions of the second type in rare-earth orthoferrites. 355941
Stefanow, W.
Automatic thermoluminescent photometer ATF-72. (INIS-mf – 4018) 374310
Stefansson, T.
Measurement of the symmetric charge-exchange cross section in helium and argon in the impact energy range 1-10 keV. 368647
Stefansson, V.
Measurements of γ-γ and γ-electron directional correlations in ^{119}Sb. 364742
Steffan, K.L.
High-velocity impact tests involving thin spherical shells of tantalum and 304 stainless steel. (UCID – 17546) 373274
Steffen, J.E.
Research of magnetospheric physics phenomena using sounding rockets. Semiannual status report, 1 Jul 1976 – 31 Dec 1976. (N – 77-23649) 362618

Steffens, E.
Sensitized charge carrier injection into organic crystals studied by isotope effects in weak magnetic fields. 354324
Steffens, H.A.
The osmotic pressure of ^{3}He-^{4}He mixtures along the phase separation curve. 353733
Steffens, H.D.
Acoustic emission analysis investigations of the behaviour of materials during welding. 358028
Impact of weld metal structures on the formation of the plastic zone in high-tensile steels. 354564
Stegemann, D.
Experimental and theoretical analysis of power noise in BWR reactors. 370878
Investigation of the dynamic behaviour of detectors for gas bubbles in sodium flows. 370704
Loads on pressure vessel internals due to subatmospheric-pressure waves. 370872
Steglich, F.
Magnetic moments of rare earth ions in a metallic environment. 364126
Spin dynamics of a Kondo system in the presence of crystal fields. 378674
Unusual phonon heat transport in an amorphous superconducting PbCu film. 373230
Stehle, B.
Benchmark calculations for a sodium-cooled breeder reactor by two- and three-dimensional diffusion methods. 363496
Comparison of the performance of several neutron diffusion computer codes for a fast breeder reactor. 350114
Stehle, H.
Development and irradiation testing of GCFR fuel elements in the Federal Republic of Germany. 379768
Experience with plutonium recycle fuel for large light-water reactors in the Federal Republic of Germany. 368095
GCFR Program in the Federal Republic of Germany. 379760
Nuclear reactor fuel rod. (German (F.R.) patent document 2339798/A/) 355338
Stehlik, G.
Determination of heavy metals in fishes from Upper Austrian waters. (SGAE – 2726) 357586
Host mediated assay mutagenicity test of irradiated standard food pellets and their extracts using Salmonella typhimurium G46 and TA1530. (SGAE – 2773) 374388
Inactivation of T_4-phages by heat and γ-irradiation treatment in respect to sludge hygienization. (SGAE – 2739) 373497
Investigations on the mutagenicity of γ-irradiated solutions of glucose. (SGAE – 2457) 354736, 373480
Stehlik, J.
Results of research into nuclear power plant safety. (INIS-mf – 4054) 367792
Steichele, E.
Thermal expansion anomaly of nickel near the Curie point. 348845
Steidl, D.V.
Ion microprobe studies of surface effects of materials related to fission and fusion reactors. 357419
Trapping efficiency of molten lithium for 20-keV tritium ions. 350611
Steiger, A.D.
Roots of two transcendental equations involving spherical bessel functions. 350538
Steiger, R.H.
Subcommission of geochronology: convention on the use of decay constants in geo-and cosmochronology. 373425
Steiger, W.
A computer program for peak identification in secondary ion mass spectra. (SGAE – 2421) 363927
Steigert, K.
The VRA 20 – a computer controlled X-ray fluorescence analyzer. 367038
Steigerwald, K.H.
Device for sealing with magnetizable sealing material. (German (F.R.) patent document 1805719/B/) 376336
Steigerwalt, J.E.
Multiwire proportional counter designed for microdosimetric studies. 366006
Steigman, G.
Secondary antiprotons: a valuable cosmic-ray probe. 372274
Stein, C.
Critical materials problems in energy production. 372329, 372339, 373115, 373129, 373134, 373153, 373311, 373319, 373341, 374475
Stein, D.F.
Effect of Fe additions on the embrittlement of Cu – Bi alloys. 362298
Stein, E.
Reactor theory and physical experiments. (KFK – 1277/2) 370795
Stein, G.
A nuclear safeguards system for large research centres with special regard to a computer-aided accounting system. 371296
Stein, J.E.
Kinetic studies of potential bifuntional acid-base catalysts in aqueous solution. The iodination of acetone. 357067
Stein, L.R.
Comparison of SOLA-FLX calculations with experiments at systems, science and software. (LA-NUREG – 6752-MS) 357758
Multi-dimensional fluid-structure interactions in a pressurized water reactor. (LA-UR – 77-1599) 365540
Stein, M.R.
Evaluation of gastro-pulmonary aspiration by a radioactive technique: concise communication. 373685
Stein, N.A.
Comparison of the line-reversed channels p-barp → $\pi^-\pi^+$ and π^+p → pπ^+ at 6 GeV/c. 351232
Measurement of the line-reversed reactions p-barp → π^-rho$^-$ and π^-p → prho$^-$ at 6 GeV/c. 369376
Stein, S.
Observation of jet structure in high psub(T) events at the ISR and the importance of parton transverse momentum. 353956
Stein, W.
Mark I 1/5-scale boiling water reactor pressure suppression experiment summary of effects due to vent line orifice variations: air test series. (UCID – 17539) 352635
Stein, W.A.
A study of the planetary nebulae Abell 30 and Abell 78. 356205
Stein, W.E.
Study of fast reactor safety test facilities. Preliminary report. (LA – 5978-MS) 370530
Steinberg, H.A.
Analysis of LWR post-LOCA gamma ray energy redistribution. 352297
Steinberg, J.-L.
Solar stereo radioastronomy. 372275
Steinberg, M.
Combined coal and nuclear plants for power, heat, and synthetic fuels. 379615
Fixation of tritium in a highly stable polymer form. (US patent document 4,020,003/A/) 374419
Linear accelerator fission product transmuter (LAFPT). 352886
Thermochemical water-splitting cycle applicable to fusion reactors for production of synthetic fuels. 377543
Steinberg, R.I.
Homestake long range neutrino detector program. (UPR – 0027-E) 377600
Nucleon stability: a geochemical test independent of decay mode. 372521
Steinberger, J.
A detector for high-energy neutrino interactions. 379899
Is there a high-y anomaly in antineutrino interactions. 351222
Like-sign dimuon events produced in narrow-band neutrino and antineutrino beams. 356512
Measurement of the neutral to charged current cross section ratio in neutrino and antineutrino interactions. 361888
Observation of a neutrino event with four energetic muons. 372525
Observation of trimuon events produced in neutrino and antineutrino interactions. 356511
Physics with very high energy e^+e^- colliding beams. (CERN – 76-18) 375013
Study of inclusive neutral current interactions of neutrinos and antineutrinos. 369377
Steinbock, L.
DAtF-KTG-Reactor Meeting 1977 in Mannheim. 355362
Fuel rod development. (KFK – 1277/2) 371039
Simulation of defect growth in fuel rods using a finite element program. 370841
Steinbruechel, C.
Isotope effects in electron impact desorption of CO and O_2 adsorbed on the (110) plane of tungsten. 353459
Steinbruechel, Ch.
The adsorption of CO on the (110) plane of tungsten; LEED, XPS, and Auger measurements. 354565
Steindler, M.J.
Management of waste cladding hulls. Part II. An assessment of zirconium pyrophoricity and recommendations for handling waste hulls. (ANL – 77-63) 378559
Preliminary analysis of alternative fuel cycles for proliferation evaluation. (ORNL/TM – 6036) 371280
Steinemann, S.
Elastic constants of Nb-Zr single crystal alloys between 4.2 K and the melting point. 378742
Steinen, A. von den
Low alloy tempering steel. (German (F.R.) patent document 2537702/A/) 354501
Steiner, D.
Commercial feasibility of fusion power based on the tokamak concept. 377520
Design approaches for enchancing the engineering feasibility of tokamak power reactors. 377536
Economic evaluation of tokamak power plants. (CONF-771056 – 3) 371998
Materials requirements for fusion power. 373153
Steiner, E.
Proposal for an experiment at SIN: precision measurements of μ^+-impulses from disintegration of arrested pions. (LA-tr – 77-76) 377795
Steiner, F.
Jets and hadron-balls in e^+e^-. (DESY – 77/46) 353795
Steiner, H.
Advances in carbide fuel element development for application to fast reactors. 367327
The effects of fission gas bubbles in the bond on the temperature distribution in Na-bonded carbide fuel rods. 370842
Heat transmission during startup in carbide fuel rods provided with average to large fabrication gaps. (KFK – 2472) 352781
Measurement of the π^+p and π^-p polarization parameters at 100 GeV/c. 351209
Proton and pion spectra at large angles in relativistic heavy-ion collisions. (LBL – 670) 378037
Steiner, J.E.
Discovery of optical pulsations in HD 77581 = Vela X-1. 374968
The electromagnetic emission from Sco X-1. 353680

Steiner, P.
X-ray photoemission investigation of the density of states of simple metals. 355994
Steiner, R.
Automatized filter testing with a particle-counter. 360506
Steiner, W.
Hyperfine interactions in $RE_2(Fe, Co)_{17}$ (RE = Y, Gd, Dy). 371688
Hyperfine interactions in $RE_2(Fe, Ni)_{17}$. 371689
Hyperfine interactions in Y_2Fe_{17}. 348847
Search for magnetic order in selected pseudobinary systems down to millikelvin temperatures. 371604
Steingraber, O.J.
Improvements in the electron energy-loss spectrometer. (ANL – 76-88(Pt.1)) 363592
Steinhaeusler, F.
Dose calculations for infants and youths due to the inhalation of radon and its decay products in the normal environment. 370649
Steinhardt, P.J.
SU(2) -flavor Schwinger model on the lattice. 372489
Steinhauer, L.
Status of laser solenoid fusion concept. 377430
Steinhauer, L.C.
Laser solenoid radiation test facility. 353635
Steinhauser, A.
Collisional configuration rearrangement in fast Ne projectiles. (INIS-mf – 3996) 364111
Nuclear reactions of 24 MeV ^{7}Li on ^{10}B. 356803
Steinhauser, U.
Further developments with glass detectors for heavy ions and fission fragments. 368287
Steinhilber
'Earthquake studies' on the Kahl superheated-steam reactor (HDR) (EV 4,000). 368104
Steinke, A.
Fuel element for a nuclear reactor. (German (F.R.) patent document 2413464/B/) 355325
Steinke, R.G.
Release of metallic fission products from multilayered coated particles. 365949
Steinkilberg, M.
Site competition on metal surfaces: an electron spectroscopic study of sequential adsorption on W(110). 370055
Steinle, B.
Information on planar sources from far-zone spatial coherence. 358630
Steinlin, U.W.
RGU three-colour-photometry towards the north galactic pole: halo-to-disk mass ratio. 369074
Steinmann, O.
Semiclassical fields in soliton sectors. 371439
Steinmann, W.
Two photon photoelectric effect in the surface plasma resonance of aluminium. 370040
Steinmetz, B.
The (p, n) reaction between analog states in isotopes of Sn and Sb. 359453
Layout of the KNK-II core elements. 376562
Steinmetz, K.H.
A new high-resolution, high-intensity apparatus for the study of Fermi surfaces of alloys by positron annihilation. 371598
Steinnes, E.
Application of epithermal neutron activation in multielement analysis of silicate rocks employing both coaxial Ge(II) Ge(Li) and low energy photon detector systems. 364843
Some new methods for the determination of rare-earth elements in geological materials using thermal and epithermal neutron activation. 372841
Steinolfson, R.S.
Thermally conductive flows in coronal holes. 372276
Stejskal, I.
The correlation between composition, structure and properties of high-level waste solidification products. 368378
Stejskal, J.
Recombinator of hydrogen and oxygen. (German (F.R.) patent document 2451438/A/) 354378
Steklov, A.F.
Variations of vertical structure of the Titan and the Io atmospheres. 369205
Steklov, O.I.
Hydrogen pick-up effect on the deformation characteristics of the 20 steel. 375898
Steklov, V.O.
Sensitivity variation of self-powered neutron detectors with silver emitters during long-term operation in nuclear reactors. 376753
Stekly, Z.J.J.
Design study of toroidal magnets for tokamak experimental power reactors. (ORO – 5152-1) 359021
Stekol'nikov, B.A.
Production and investigation of a high-current microsecond electron beam. 357989
Stekol'nikov, V.V.
Problems of WWER reactor safety. 370939
Stel'makh, V.F.
Amorphization of semiconductor materials as a process of attainment of point defect maximum concentration. 374801
Change of the lattice period of gallium arsenides irradiated with neutrons during annealing. 348848
Paramagnetic defects in germanium irradiated with neutrons. 348782
Polyvacancy-type defects and amorphization in germanium irradiated with fast neutrons. 348762
Stel'makov, V.N.
Design criteria for high-voltage power supplies of an ion-optical system of ion sources. (INIS-mf – 3954) 361646
Stelbovics, A.T.
A new type of disconnectedness problem in a field-theory model of the NNπ system. 372671
On the application of contour rotation to three-body amplitudes. 354116
Stella, B.
Electron-positron bremsstrahlung at ADONE. A new limit for the existence of a heavy electron. 361767
Stelle, K.S.
Renormalization of higher-derivative quantum gravity. 363845
Stello, V. Jr.
Recent US reactor operating experience. 370895
Some bases for a systematic program to enhance nuclear plant reliability. 363719
Stelson, P.H.
Coulomb excitation of $^{182, 184, 186}$W and ^{166}Er with ^{4}He and ^{16}O ions. 356835
Coulomb excitation of 2^+ and 3^- states in ^{192}Pt and ^{194}Pt. 359519
Experimental study of electron transfer in multiply charged iron-ion collisions with atomic hydrogen. 363890
Measurements of the fusion of ^{12}C + ^{14}N and the liquid-drop limit for ^{26}Al. 356896
Nuclear data sheets for A = 184. 351389
Stelts, M.L.
Gamma-ray spectra from capture of 2-eV to 3-keV neutrons by ^{181}Ta. 359525
Stelzer, H.
Measurement of the $(K^+ \to \pi^0\mu^+\gamma)/(K^+ \to \pi^0 e^+\gamma)$ branching ratio. 356509
Stelzer, K.
Study of E2 transition probabilities in ^{194}Pt. 356893
Stem, R.A.
Partial-wave analysis of $K^-p \to \pi^0\Lambda(1520)$ between 1710 and 2170 MeV c.m. energy including new data between 1775 and 1960. 372507
Stemmelen, E.
Analysis and forecast of agricultural products exchanges between various regions with a view to evaluating food chain contamination. 370654
Stemmet, M.C.
Phase and sign conventions in particle-gamma angular correlations. 359410
Stemple, J.S.
Evaluation by activation analysis of elemental retention in biological samples after low temperature ashing. 372895
Stenbacka, R.
Mechanisms in anti pp annihilation. 369390
Study of the reaction anti pp → anti pωp at 9.1 GeV/c. 372537
Stenbaeck, A.
Leak test method for radioactive material packagings without pressure valve connections. 350023
Stenby, G.
Operating experience with the HEUB superconducting dipoles. 363327
Stender, E.
A gas-jet recoil-transport system for fission products and its application to a continuous chemical separation procedure in the gas phase. 367152
Stenflo, L.
Nonlinear Schroedinger equation including growth and damping. 350536
Stenger, V.J.
The characteristics of neutral current interactions of neutrinos in hydrogen using the FERMILAB 15-ft. bubble chamber and external muon identifier. 353994
Ratio of neutral-current to charged-current cross sections for inclusive neutrino interactions in hydrogen. 351220
Stengl, G.
Development of an accelerator for the neutron time of flight measurement. 357996
Gamma competition in the decay of unbound states in ^{56}Fe produced by the ^{56}Fe(n,n') reaction with 14 MeV neutrons. 356894
Stenhouse, J.E.
Emission and absorption of Langmuir waves by anisotropic unmagnetized particles. 356141
Stenhouse, J.I.T.
An experimental determination of the retention of submicron particles in fibrous materials. 360523
Stenin, S.I.
High-temperature radiation effects in germanium under high-voltage electron microscope observation. 370129
Superconductivity of fast condensed films. 377693
Stenlund, E.
Corrections for target absorption of charged particles in wire loaded nuclear emulsions. (LUIP – 7709) 356791
On the correlation between fast target protons and the number of hadron-nuclean collisions in high energy hadron-nucleus reactions. (LUIP – 7710) 362034
Stensgaard, I.
Channeling technique in surface studies. 368744
A study of the clean Pt(111) and (110) surfaces by LEED, AES, and high-energy ion scattering. 368745
Stenzel, R.L.
Observation of beam-generated VLF hiss in a large laboratory

plasma. 367446
Particle and wave dynamics in a magnetized plasma subject to high rf pressure. 350849
Stepan, I.E.
Reactivity measurements of St. Lucie shims at the advanced reactivity measurement facility. 358097
Stepan, O.
Applications of radioactive tracers in chemical flow reactor study. VI. 379421
Stepanchikov, V.A.
Effect of ion doping on the blistering in OKh16N15M3B steel. (INIS-mf – 3954) 362533
Stepanek, S.
Recurring inspection system of the A-1 reactor pressure vessel. (ZJE – 208) 379714
Stepanenko, E.K.
Synthesis of monophase niobium diborite from elements in vacuum. 349568
Stepanenko, M.M.
X-ray spectra and impurity concentration in the T-10 tokamak. (INIS-mf – 3963) 371751
Stepanenko, V.A.
g-factors of the 2679 keV, 21/2sup(+) sup(107)Cd and 2737 keV, 27/2sup(+) sup(135)La three quasi-particle states. 378031
Technique control and quality evaluation of results from chamber picture measurings. (JINR – 10-9833) 368484
Stepanenko, V.F.
Distribution of the energy absorbed by the microstructures of tissues and organs upon internal irradiation with heavy charged particles. 370692
Stepanenko, V.N.
Investigation of heat transfer when cooling a turbulent flow of chemically reacting N_2O_4 in a tube at elevated temperatures of a channel wall. 367900
Stepanets, L.I.
Thermodynamic properties of WOsub(2,96). 378426
Stepaniak, J.
Asymmetry in the angular distributions of spectator-nucleons. (JINR-E – 1-9814) 377778
On the two-nucleon enhancement associated with high momentum tail of the spectator in the deuteron break up. (JINR-D – 1,2-9342) 356479
Stepanov, A.D.
Technique for measuring plasmoid parameters. (Soviet patent document 418772/A/) 350090
Stepanov, A.K.
Scandium phosphates. 351528
Stepanov, A.P.
Low resolution nmr spectrometer signal detection. 355688
Stepanov, A.V.
Electromigration method in radiochemistry. 359744
Installation complexes for sampling and measuring tritium in environment. 375267
Optical potential for ultracold neutrons. (INIS-mf – 3895) 354016
Stepanov, B.M.
Electron-optic methods with the use of plastic scintillators for studies in the x-ray region. 353530
Nuclear data for the calculation of neutron-induced secondary gamma-ray spectrum in soil. (INIS-mf – 4043) 362565
On visualization of a neutron beam in the air. 375088
Pulsed current of electrons induced by gamma rays in air. 356559
50 MeV electron synchrotron with cyclotron preacceleration. 350092
Stepanov, E.P.
Effect of big elastic stresses on parameters of a Moessbauer line. 356029
Stepanov, E.S.
Neptunium (7) behaviour in media near to neutral ones. 357118
Stepanov, G.A.
Strength and viscosity of welded joints of the 03Kh13AG19 steel. 375899
Stepanov, G.N.
An apparatus for Moessbauer resonance studies at high pressures and low temperatures. 374775
Pulse gas-dynamic device of the circular type. 363624
Stepanov, I.A.
Comparison of creep-rupture properties of α- and α+β titanium alloys below the chloride layer in the 200-380 deg C range. 349470
Stepanov, K.N.
Technique for plasma parameter measurement. (Soviet patent document 488124/A/) 353633
To the theory of damping of magneto hydrodynamic waves in a high-temperature plasma. 368909
Stepanov, S.B.
The effect of water and benzene vapor pressure on the total cross sections of cold neutron interaction. 377843
Neutron polarization on passing through a magnetized doubly bent neutron guide. 375086
Total cross section of cold neutrons interraction with water. 351252
Stepanov, S.E.
Features of a process for vitrifying radioactive waste without precalcination and radionuclide behaviour in the process. 358489
Stepanov, V.A.
Monte Carlo calculation of instrumental spectra of natural gamma radiation of sea bed soils. 351935
Stepanov, V.G.
Density and enthalpy of liquid alkaline metals at pressures up to 1500 bar. 349543
Density of caesium at high pressures and high temperatures. 375904
Joint EPR and optical investigations of Cd^+ and Zn^+ ions in CaF_2 crystals. (INIS-mf – 3955) 362159
Stepanov, V.M.
Analysis for gold in rocks in the presence of high amount of silver. 357449
Labelling of dicyclohexylcarbodiimide by tritium. 354399
Stepanov, V.V.
Effect of ceramic flux welding conditions on the alloying addition content in slag. 369879
Estimate of "young" pion interaction. (ITEP – 28) 359251
Reconstruction of local line profiles from observed ones in the Ap-star spectrum. 369085
Stepanova, E.S.
Oxidation of neptunium(6) by ozone in media near to neutral ones. 357119
Stepanova, M.V.
Investigating the changes in surface layers of VTZ-1 alloy under cavitation. (INIS-mf – 3914) 349544
Stability of titanium alloys under conditions of intensive ultrasonic cavitation. (INIS-mf – 3914) 349371
Stepanova, N.D.
Effect of activator distribution on conductivity of epitaxial layers of CdSe. 378261
Stepanova, O.P.
On participation of unsolvated electron in chemical reactions in alcohol solutions. 369735
Stepanova, T.P.
Corrosion resistance and electrochemical and physicomechanical properties of vanadium-zirconium alloys. (INIS-mf – 3839) 367177
Stepanova, T.V.
Investigation and application of some organic phosphorus compounds as reagents in analytical chemistry. (INIS-mf – 4192) 375347
Stepanova, Y.S.
Kinetics of neptunium(6) reduction by acetoxime in perchloric acid medium. 351624
Kinetics of neptunium(7) reduction by chloride ions in nitric acid solution. 351625
On the behaviour of neptunium (7) in carbonate solutions. 351623
Stepantsov, A.K.
Improvement of rotor-pulsation apparatuses for machining of high-abrasive media. (INIS-mf – 3914) 349572
Stepanyan, A.A.
Observation results of the Cyg X-3 X-radiation source in superhigh energy range ($>10^{12}$ eV). 356230
Stepanyuk, V.S.
On the stability of heat-resistant oxygen-free compounds in low-temperature plazma. 357346
Wetting of plasma coatings with liquid aluminium. 369892
Stepchenkov, V.I.
Production of hot beta-active aerosol particles of a spherical configuration. 357872
Study on dispersity of radiactive aerosols at the Novo-Voronezh nuclear power plant. 361101
Steph, N.C.
Population of the vibrational levels of the ground state of nitrogen by low energy electron scattering. 358808
Stephan, C.
High velocity symmetric and non symmetric collisions with 200 MeV Fe ions – Influence of target thickness. 353345
Structure in the energy spectra from inelastic heavy-ion reactions. 366976
Stephanakis, S.J.
Neutron and energetic ion production in exploded polyethylene fibers. 350972
Stephansson, O.
Deformations of fractured rock. (KBS-TR – 29) 366110
Stephany, M.
The impact of non-proliferation policies on the uranium market – an industry view. 358597
Stephen, J.D.
LIFE code system for analysis of oxide fuel pin thermal/structural behavior. 379810
Stephen, R.M.
Capacity of columns with splice imperfections. 351797
Stephens, D.H.
Retrospective comparison of radionuclide scans and computed tomography of the liver and pancreas. 352114
Stephens, F.B.
Accountability methods for plutonium and uranium: the NRC manuals. (UCRL – 79615) 374496
Methods for the accountability of mixed oxide. (PB – 267116) 363732
Trace uranium: its measurement by time-resolved fluorescence. (UCID – 17549) 364917
Stephens, F.S.
Determination of γ softness in ^{192} ^{194} ^{196}Pt from Coulomb excitation with ^{136}Xe projectiles. 364800
Experimental study of Yb nuclei at high angular momentum. 356883
The hsub(11/2) and gsub(7/2) band structures in ^{131}Ce and ^{129}Ce. 356771
Shape change in the odd-A neodymium isotopes. (ISN – 77-30) 369482
Stephens, J.R.
Effects of long-term aging on ductility and microstructure of Cb and Mo alloys. 362461
High toughness-high strength iron alloy. (N – 77-24254) 365129

Oxidation and corrosion behavior of modified-composition, low-chromium 304 stainless steel alloys. (N – 77-23241) 362308
Weldability of high toughness Fe – 12% Ni alloys containing Ti, Al, or Nb. 351703
Weldability of high-toughness iron – 12 percent-nickel alloys with reactive metal additions of titanium, aluminum, or niobium. (N – 77 – 18249) 351702
Stephens, L.D.
An intercomparison of dosimetry techniques in radiation fields at two high-energy accelerators. 370655
Stephens, R.S.
Isomeric trapping following Coulomb excitation of high spin states in ^{178} ^{180}Hf. (ZfK – 336) 364780
Stephens, S.A.
Cosmic-ray antiproton flux: an upper limit near that predicted for secondary production. 372118
Stephens, W.E.
Upper limit for the presence of superheavy elements in monazite from Madagascar. 351392
Stephenson, B.D.
Expansion of a negative pi-meson peak to cover a range of depths useful for radiotherapy. 365355
Stephenson, C.B.
Comment on Varshni's recent paper on quasar red shifts. 366763
Stephenson, E.J.
Quarks with unit charge: a search for anomalous hydrogen. 372349
Stephenson, G.
Eigenvalues of the Schroedinger equation with a Gaussian potential. 363846
Stephenson, G.J. Jr.
Nucleon knockout: off-shell effects. (LA-UR – 77-1381) 356657
Threshold charged-pion photoproduction and radiative pion capture. I. The Nucleon. 351159, 351160
Stephenson, L.
The gauge in general relativity. 376945, 376946
Stephenson, M.J.
Retention of gaseous fission products in reprocessing LMFBR fuels. (IAEA-AG – 63-2) 362322
Retention of gaseous isotopes. 367206
Stephenson, W.A.
Uphole instrumentation and operations. (SAND – 77-0300) 365298
Stepin, B.D.
Reaction of certain rare earth iodides with carbamide and iodine in aqueous solution. 375402
Stepina, E.I.
Irradiation effect on the silumin mechanical properties. 349580
Stepniewski, A.
Catalytic reduction of 2-nitrofluorene-9-^{14}C. 378496
Stepula, E.V.
Inelestic scattering of 1,2 GeV electrons by Al and Ti nuclei. (KFTI – 76-27) 362031
Stepuro, V.A.
Activity of DNA-ases and ptoteases in the low-dose-irradiated rat tissues. (INIS-mf – 3912) 373519
Sterba, F.
The octupole states in odd uranium isotopes ^{233}U and ^{235}U. 378064
Sterbentz, J.W.
Calculated volumes and internal surface areas Mark I 1/5-Scale BWR Pressure Suppression Facility (LLL). (UCID – 17606) 373868
Sterbova, J.
The octupole states in odd uranium isotopes ^{233}U and ^{235}U. 378064
Stergiou, A.
Inclusive V^0 production in anti pp interactions at 12 GeV/c. 353939
Sterlace, J.S.
Semiquantitative determination of impurities in high-purity molybdenum metal by optical emission spectrography. 378170
Sterligov, A.G.
Flight range spectrometer for multicharged ions. 376687
Pulse voltage generator with 135 kJ energy storage for the "TONUS ZM" accelerator. 370772
Sterlikova, N.V.
Statistic analysis of equilibriums in the system of mixed complexes. 369626
Sterling, S.A.
Improvements in the performance of nuclear fuel particles offered by silicon-alloyed carbon coatings. 365929
Irradiation performance of HTGR fuel rods with diluted thermosetting matrices. 355416
Sterlinski, S.
Analysis of interfering peaks in Ge(Li) gamma-ray spectra using the resolution enhancement filters. 375367
Simple circuit for precise measurement of live dead or clock time in gamma-ray spectrometry. 379894
Some radiometric problems of activation analysis. 375368
Sterlyadkina, Z.K.
Potassium borohydride interaction with molybdenum(5)chloride at heating. 362145
Stern, A.
Encapsulation of radioactive-sources. (INIS-mf – 4052) 373930
Relaxation of dislocations in body-centered cubic and hexagonal close-packed metals after plastic deformation. (NRCN – 452) 371690
Stern, H.S.
Institutional fabrication of a simplified 'Master-Milker' generator for an economical supply of Nasup(99m)TcO_4 from fission product $^{99}MoO_4$. (INIS-mf – 4010) 367153
Stern, J.
Covariant quantum mechanics on a null plane. (IPNO-PhN – 77-20) 361291
Harmonic confinement: a fully relativistic approximation to the meson spectrum. 372455
Stern, M.S.
Comparison of numerical solutions of the partial-wave Schroedinger differential and integral equations. 358685
Stern, T.
Thermal neutron diffraction on two-dimensional lattices. 372565
Sternberg, D.
Substantive law problems in jurisdiction. 352989
Sternberg, W.
Increased safety due to improvements in cladding tube testing in ultrasonic systems. 370840
Sternberg, Z.W.
Resonances in de-excitation of argon metastables by H_2 molecules. 353366, 377122
Sternheimer, R.M.
Ordering of the excited-state energy levels of various atoms and their isoelectronic ions. 350686
Sternlieb, A.
Initial noise and quiet start (Q.S.) in electromagnetic particle simulation codes. 366632
Sterrenburg, W.
The transient magnetic field at low ion velocity. (INIS-mf – 4267) 378049
Sterrenburg, W.A.
Precise excitation energy and γ-ray decay of the lowest T = 2 state in ^{40}K. 356895
Spectroscopy of ^{27}Si with the ^{24}Mg(α,nγ)^{27}Si reaction. 367006
Spectroscopy of ^{39}Ar with the ^{36}Sn(α,n) and ^{38}Ar(d,p) reactions. (INIS-mf – 4267) 378065
Sterri, S.
In vivo labelling of acetyl-aspartyl peptides in mouse brain from intracranially and intracranially and intraperitoneally administered acetyl-L-[U-^{14}C]aspartate. 357624
Sterritt, D.E.
Thermodynamic properties of a high pressure subcritical UF_6He gas volume (irradiated by an external source). (N – 77 – 18938) 351873
Stetsenko, N.V.
Metal quality improvement and increasing the efficiency of electroslag smelting. 365130
Possibilities of enhancing the rolling quality in the course of deformation of high-alloy steel ingots on the roughing mill. 375794
Stetsenko, S.G.
Investigation of the capture system without change in injected electron energy. (JINR-R – 9-9139) 355185
Long-term averaged abundances of VVH cosmic ray nuclei from studies of olivines from Marjalahti meteorite. 374946
Stetsik, V.V.
Kinetics of molybdic oxide dissolution in alkalines. 354379
Stettler, A.
Measurement of He, Ne and Ar contents of neutron-activated deep-sea basalt. 378171
Stettmeier, F.
Positron production in superheavy ion-atom collision systems. 376966
Stetz, A.W.
Elastic proton scattering from ^{4}He in the forward direction at 200, 350 and 500 MeV. 362107
Energy loss and straggling of low energy alphas in helium. 353209
Steudel, A.
Optical isotope shift measurements of ^{40} ^{42} ^{43} ^{44} ^{48}Ca by use of enriched isotopes in an atomic beam. 366325
Systematic hyperfine structure measurements in the B-X electronic transition of $^{127}I_2$ by use of a cw dye laser. 355859
Steuer, J.
Application of phantoms of the human body for solving radiation protection problems. (SAAS – 218) 349922
Steuer, K.
Electron and ion heating in a high-voltage belt pinch. 350945
Steuer, K.-H.
Anomalous transport in shock produced plasmas. (INIS-mf – 3963) 353538
Steuer, M.F.
Production of H^+ fragments from H_2 by fast projectiles. 363884
Steuerwald, J.
Calculations of the stellar structure of so-called degenerate stars using a new pressure function. (IPP – R-21) 356323
Monotonic one-step difference schemes for diffusion equations. (IPP – R/22) 355698
Steussi, H.
Effect of radiation damage on the erosion of graphite by atomic hydrogen. 370234
Steven, J.
Fuel element for a nuclear reactor. (German (F.R.) patent document 2413464/B/) 355325
Nuclear fuel rod. (German (F.R.) patent document 2543462/A/) 360847
Stevens, A.
Stability of high field superconducting dipole magnets. (BNL – 23211) 365734
Stevens, A.D.
Large-amplitude standing planetary waves induced in the troposphere by the Sun. 373461
Stevens, A.J.
Measurement of the angular correlation parameters in the BETA

decay of polarized Λ hyperons. (COO – 1545-215) 364585
Stevens, D.J.
Dynamics of recoil chlorine-38 reactions with hydrogen and olefins. 362240
Kinetics and mechanism of recoil chlorine atom reactions with ethylene. 359761
Stevens, D.L.
Inhaled plutonium nitrate in dogs. (BNWL – 2100(Pt.1)) 360311
Stevens, H.
Equilibrium field coil system for the Argonne EPR design. (CONF-771029 – 181) 377362
Neutral beam system for an ignition tokamak. (CONF-771029 – 177) 377401
Resistive requirements for the vacuum wall of a Tokamak Fusion Reactor. (CONF-771029 – 182) 377363
Stevens, H.C.
Mechanical design and analysis for a EPR first wall/blanket/shield system. (CONF-771029 – 194) 377544
Stevens, L.
Introducing experimental evidence in the critical aspects of SNR fuel design. 368218
Stevens, P.N.
Angular biasing of the collision process in multigroup Monte Carlo calculations. 372573
Monte Carlo method of solving heat conduction problems. (ORNL/NUREG/CSD – 3) 379428
Monte Carlo shielding calculations using event-value path-length biasing. 361948
Stevens, R.H.
Traversing probe system. (US patent document 4,016,768/A/) 373911
Stevens, T.D.
Radioimmunoassay for proparathyroid hormone. 357640
Stevens, W.
Deposition of ^{239}Pu, ^{226}Ra, ^{233}U and ^{241}Am in the gonads of beagles and rats. (COO – 119-252) 373629
Early distribution of ^{238}Pu in the liver of a Cynomolgus monkey. (COO – 119-252) 373590
Retention and distribution of ^{239}Pu in beagles injected at 3 months of age. (COO – 119-252) 373628
Retention and distribution of ^{241}AmIII in neonatal beagles. 370414
Synthesis and testing of partially lipophilic polyaminocarboxylic acids. (COO – 119-252) 373591
Stevens, W.J.
Electronic structure of the ground and excited states of Mg^{+}_{2} and Mg_2 . 350687
Theoretical determination of bound – free absorption cross sections in Ar^{2+}. 350469
Stevenson, D.J.
Dynamics and helium distribution in hydrogen-helium fluid planets. 372278
Limits to the expansion of Earth, Moon, Mars and Mercury and to changes in the gravitational constant. 369160
Phase diagram and transport properties for hydrogen-helium fluid planets. 372277
Stevenson, F.K
Mediation of cytotoxic functions by classes and subclasses of sheep antibody reactive with cell surface immunoglobulin idiotypic and constant region determinants. 376142
Stevenson, J.
Universal fragment-momentum distribution in high-energy nucleus-nucleus collisions. 351408
Stevenson, J.K.
Graphical method for the analysis of multicomponent exponential decay data. 375206
Stevenson, M.G.
Study of fast reactor safety test facilities. Preliminary report. (LA – 5978-MS) 370530
Stevenson, M.L.
Ratio of neutral-current to charged-current cross sections for inclusive neutrino interactions in hydrogen. 351220
Stevenson, P.C.
Search for superheavy elements in the bombardment of ^{248}Cm with ^{48}Ca. 351372
Steward, K.P.
Peach Bottom decommissioning and component removal. 358573
Peach Bottom HTGR decommissioning and component removal. (GA-A – 14297) 358256
Steward, V.W.
The response of screen-film to end-of-range proton exposures. 371088
Stewart, A.
Radiation exposures of Hanford workers dying from cancer and other causes. 365640
Stewart, A.L.
Phaseshifts for the ^{1}P continuum of helium. 350654
Stewart, B.D.
Improved β scintillation counting. 361059
Stewart, C.W.
Eulerian computation method for fluid flows with large density gradients at all speeds. 363019
Stewart, G.A.
Numerical solutions for single passage NMR on nuclei experiencing small electric quadrupole interactions. 356061
Stewart, G.S.
Utilization of fission products in thermal systems. 373943
Stewart, H.B.
Thorium utilization reexamined. 370992
Stewart, J.E.
Economics of radwaste volume reduction and solidification systems. 357818
Stewart, J.H.
Hydrogen-deuterium exchange reactions of carbanions with D_2O in the gas phase. 378410
Stewart, J.J.
NSS design and plant construction interfaces. 358164
Stewart, J.M.
Aspects of Bradykinin radioimmunoassay. 370489
Stewart, K.B.
Evaluation of temperature coefficients of reactivity for ^{233}U – thorium fueled HTGR lattices. Final report. (EPRI-NP – 222) 352697
Stewart, L.
Status of the ENDF/B special applications files. (LA-UR – 77-2140) 372548
Stewart, P.
Treatment of blastic transformation of chronic granulocytic leukemia by chemotherapy, total body irradiation and infusion of cryopreserved autologous marrow. 373563
Stewart, R.D.H.
Metabolic studies in rats of ^{75} Se incorporated in vivo into fish muscle. 352072
Report to the New Zealand Government of the Fact Finding Group on Nuclear Power. 367739
Stewart, R.J.
Cross sections for photodisintegration of ^{32}S to excited residual states. 356904
Stewart, R.T.
Radio and soft x-ray evidence for dense non-potential magnetic flux tubes in the solar corona. 372279
Stewart, S.L.
Analysis of simulated HCDA experiments in ZPPR. (CONF-761001 – P2) 363020
Stewart, T.
Simulation of the effects of translational and vibrational energy on H and D atom reactions with HCl and DCl. 365004
Stewart, T.R.
The Durham extensive air shower array. I. 366033
Steyerl, A.
Experiment on the efficient polarization of ultracold neutrons. 379838
Steyert, W.A.
A continuous demagnetization refrigerator operating near 2 K and a study of magnetic refrigerants. 365709
Heat transfer and flow friction in fine porous media. (LA – 6912-MS) 365698
Steyn, J.J.
Assessment of domestic and foreign separative work supply and demand. 363065
Interface between fuel management and nuclear fuel accounting. 352929
Steyn, W.M.
Isotope separation. (INIS-mf – 4203) 376240
Stezhko, A.G.
Current pulse generator for nmr measurements of self-diffusion by the pulse gradient method. 376736
Stiasny, R.
Long-term side effects in irradiated patients with Hodgkin's disease. 367536
Stiaszny, P.
Electrolytic deep etching – a valuable complementary method to standard metallographic procedures. 359944
Stickel, K.
Documentation of the plant. 376587
Stickland, D.J.
The effect of stellar rotation on measurements from Coude spectrograms. 349030
Stieber, V.
Radiotherapy today: mevatron 20, a compact high-power accelerator. 365664
Stieding, L.
Investigation of denting corrosion effects in steam generator tubes. 369825
Stief, L.J.
Absolute rate of the reaction of Cl(p-2) with molecular hydrogen from 200-500°K. (N – 77-14825) 362223
Stiefel, S.
Development of a radionuclide method of mass flow measurement in non-steady state multiphase flows. (KFK – 2435) 357890
Stiefvater, O.L.
The microwave spectrum of bromoacetylene; rsub(s)-structure, dipole moment, quadrupole coupling constants and excited vibration states. 353276
Stiegler, J.O.
Correlation of neutron and nickel-ion damage in pure nickel. 360116
Growth kinetics and 'preference factor' of Frank loops in nickel during electron irradiation. 365248
Stieglitz, L.
Method for increasing the lifetime of an extraction medium used for reprocessing spent nuclear fuel and/or breeder materials. (US patent document 4,059,671/A/) 378563
On the identification of complexing radiolytic products of the Purex Systems (20% TBP-Dodecane-HNO_3). (KFK – 2304) 365089
Stiehl, G.
Methodological investigation of the determination of ^{15}N in nitrogen fixed to rock materials. 372866
Stiehl, H.H.
Equipment for exchanging mechanical filter units in cleaning of filter walls used in cleaning air or gas, accessible in a channel,

particularly for nuclear plant. (German (F.R.) patent document 2419150/C/) 367934
Extension of the maintenance cycle of HEPA filters by optimization of the technical characteristics of filters and their construction. 360491
A new look at the economic disposal of contaminated aerosol filters. 360522
Stiening, R.
Non linear fields in the SPS and their compensation. 363196
Stiens, R.
Cell-kinetical analyses of squamous cell carcinomas of the oral region and the effect of a combined therapy of 5 fluorouracil and irradiation. 370383
Stierstadt, K.
Thermal expansion anomaly of nickel near the Curie point. 348845
Stievenart, M.
Simulation of hypothetical core disruptive accidents in vessel models. (CONF-761001 – P3) 365544
Stiewe, J.
The effect of resonance production on angular correlations. 353935
Observation of jet structure in high psub(T) events at the ISR and the importance of parton transverse momentum. 353956
Stiglitz, R.
Low energy γ-ray observation of NGC4151. 359075
Stigter, B. de
Skin heating and confinement in a tokamak plasma. (INIS-mf – 3963) 371916
Stille, H.
Groundwater movements around a repository. Geological and geotechnical conditions. (KBS-TR – 54-01) 376773
Stiller, H.
Upper frequency limit for proton transfer in imidazole. 364981
Stillwagon, G.B.
Adapting the polycarbonate dosimeter and electrochemical etching to the microdosimetry of ^{239}Pu in bone. (CONF-770720 – 7) 379121
Development and application of the electrochemical track etching technique. Progress report. (TID – 28051) 379333
Neutron dosimetry using electrochemical etching. (CONF-770720 – 9) 379949
Stillwagon, R.E.
EPR ohmic heating energy storage. (WFPS-TME – 064) 377422
Stimart, W.R.
Nuclear fuel accounting practice at Duke Power Company. 352930
Stimmell, K.G.
Configuration of road convoys: a simulation study. (SAND – 77-8625) 363728
Stimpson, H.R.
Burn stability in a reversed field pinch. (COO – 2218-90) 372039. 377545
Stimpson, H.R.S.
Studies of the stability of a fusion burn in a reversed field pinch device. 350950
Stingl, M.
A new type of disconnectedness problem in a field-theory model of the NNπ system. 372671
Stinson, J.D.
Preparation of nitrogen-15 targets. (LA – 6850-C) 370773
Stinson, R.C.
A 1500-MW(e) HTGR nuclear generating station. 379706
Stinton, D.P.
Effect of deposition conditions on the properties of pyrolytic silicon carbide coatings for high-temperature gas-cooled reactor fuel particles. (ORNL/TM – 5743) 365950
Improved gas distributor for coating high-temperature gas-cooled reactor fuel particles. 365932
Improved gas distributor for coating HTGR fuel particles. 351836
In-line monitoring of effluents from high-temperature gas-cooled reactor fuel particle preparation processes by mass spectrometry. 370975
Influence of process variables on permeability and anisotropy of Biso-coated HTGR fuel particles. (ORNL/TM – 6087) 373307
Stipcic, N.
Use of photodiodes for neutron dosimetry. 379908
Stipp, A.C.M.
Histochemical (polysaccharides, proteins, nucleic acids and enzymes) and autoradiographic (incorporation of ^{35}S labelled sodium sulfate) study of the epithelial intestinal cells of Xenodon merremii Wagler, 1824 (Ophidia). 349779
Stippler, R.
Experimental beta-decay energies of short-lived light fission products. 375207
Stirbet, M.
Distribution of the branking radiation dose in the linear electron accelerator of 3 MeV. 379510
The transitory effects induced in electrically insulated materials by ionizing radiation fields. 378811
Stirling, C.
The retention of particles in large airways of the respiratory tract. 365454
Stirling, G.C.
A pulsed neutron facility for condensed matter research. (RL – 77-064/C) 360725
Reflector studies for pulsed neutron moderators. (RL – 77-140/A) 377835
Stirling, W.G.
Experimental studies of the excitation spectrum of ^{3}He – ^{4}He mixtures using neutron inelastic scattering. 351119
Stirling, W.J.
A comparison of models for large transverse momentum meson production. 359236
Stirling, W.L.
Component design description of the neutral beam injectors for PLT. (CONF-771029 – 43) 371907
Development and testing of the ORNL/PLT neutral beam lines for the Princeton Large Torus. (CONF-771029 – 108) 371801
DuoPIGatron ion sources for PLT injectors. (CONF-771029 – 63) 372064
Effect of emission aperture shape upon ion optics. 350859
Impurity studies experiment/ORMAK-upgrade neutral beam systems. 377547
Methods for independent plasma production and beam injection for $H^+ \rightarrow H^-$ surface conversion. (CONF-770940 – 6) 372063
New ORNL neutral beam transport system. (CONF-771029 – 147) 377546
Performance of 4.2 K cryopumps in neutral beam injectors. 377534
Production of low energy positive ions suitable for double electron capture systems. (CONF-770940 – 11) 372088
Stiros, P.
Steady state heat transfer in ORR irradiation capsules. (ORNL/MIT – 227) 352799
Stirsky, P.
Linearized dynamical model of WWER type reactor core for the purpose of power control synthesis and analysis. (INIS-mf – 4054) 368165
Stitzer, S.N.
Resistivity, heating and radial transport on the axis of the tokamak discharge. 361626
Stiver, J.F.
Underestimation of radiation exposure from Am-Be neutron probes by film badges. 365636
Stix, P.
Transverse-momentum properties of multipion systems produced in high-energy collisions. 359345
Stix, T.H.
Plasma transport across a braided magnetic field. 372040
Stock, H.
Method for the preparation of semiconductor monocrystals with adjustable doping material concentration. (German (F.R.) patent document 2542867/A/) 367313
Stock, J.
Objective-prism radial velocities at high latitudes. 369206
Stock, M.
Relaxation of the mercury 6 $^{3}P_0$ and 6 $^{3}P_1$ states. 350470
Stock, R.
Central collisions of relativistic heavy ions. 359486
Multiplicity and charged particle emission in relativistic heavy ion collisions. (LBL – 6537) 362066
Stock, W.
Inelastic electron scattering, radiative width and magnetization density of the 2^+, T = 1 state at 16.11 MeV in ^{12}C. 372755
Isospin forbidden electroexcitation of the 1^-, T = 0 state at 6.95 MeV in ^{40}Ca, continuum shell-model and effective charge of the convection current. 369483
Stockburger, H.
A method for measurement of the Krypton-85- and Xenon-133-content in the atmosphere. 376036
Stockdale, J.A.D.
Ionizing collisions of potassium atoms with D_2O. 368717
Stocker, H.
Compound transfer and direct transfer reactions induced by ^{17}O on ^{13}C. 372728
Elastic scattering of ^{17}, ^{18}O on ^{12}, ^{13}C at Esub(c.m.) = 12.6-14.0 MeV. (WIS-Ph – 77/16) 366969
Stockhausen, K.
Investigation of the metabolism of ^{125}I orthohippuric acid (sodium salt) in rats. (STH – 12/77) 357676
Investigations on the metabolism of ^{125}I-orthoiodo-hippuoic acid and ^{75}Se-sodium selenite. (INIS-mf – 4010) 357603
Stockman, H.S.
Linear polarization in AM Herculis objects. 369207
New observations and a slow rotator model of the X-ray binary AM Herculis. 369208
Spectral development of Nova Cygni 1975. 351086
Stoddard, S.D.
State of the art: alumina ceramics for energy applications. (LA – 7063-MS) 378768
Stoddart, W.C.T.
Magnetoelastic energy calculations for finite element analysis of superconductors. (CONF-771029 – 99) 379442
Mechanical characterization of selected adhesives and bulk materials at liquid nitrogen and room temperatures. (CONF-771029 – 65) 373318
Preliminary structural analysis of the toroidal field coils for T-10M. (CONF-771029 – 60) 371874
Structural analysis of the large coil segment test. (CONF-771029 – 62) 371774
Stoebe, T.G.
Long term recycling characteristics of LiF (TLD-100) dosimeter material. 361064
Stoeckel, J.
Plasma heating and ion acceleration by a relativistic electron beam – REB accumulation. (INIS-mf – 3963) 372046
Stoeckert, H.
Radiochemical process for the highly sensitive sipping test. 370940
Stoeckli, M.
Z-dependence of the position of MO X-ray anisotropy peaks. 377123
Stoecklin, G.
Chemical and biological consequences of β-decay. Pt. 1. 376133

Comparative studies of different labelled fatty acids for heart muscle metabolism. (INIS-mf – 4010) 360327
Crossed beam kinetics: angular product distribution of the reaction of Br with CH_3I. (INIS-mf – 3940) 348689
Cyclotron production of medically useful halogen radioisotopes. (INIS-mf – 4010) 357125
Excitation functions for the formation of neutron deficient isotopes of bromine and krypton via high-energy deuteron induced reactions on bromine: production of ^{77}Br, ^{76}Br and ^{79}Kr. 376238
Preparation, quality control and stability of ^{11}C-, sup(34m)Cl-, ^{77}Br- and ^{123}I-labelled fatty acids for kinetic studies of heart muscle metabolism. 349326
17-^{123}I-heptadecanoic acid for non-invasive investigation of myocardial metabolism. (INIS-mf – 4010) 357608

Stoeffler, R.C.
Measurements of uranium mass confined in high density plasmas. (CONF-760646 –) 374142

Stoeger, W.R.
Photon pair production in astrophysical transrelativistic plasmas. 374969

Stoehr, J.
Thermally induced breakdown of the direct-transition model in copper. 351820

Stoehr, K.
SNR construction experience. 379736

Stoelben, H.
Theoretical and experimental studies on the damping behaviour of pipeline elements made of austenitic and ferritic steels. 370827

Stoelting, K.
Loads on a PWR core shell after break in the reactor coolant pipe. 370913

Stoelzl, D.
Safety design philosophy of a failure-proof pressure vessel, illustrated by the example of the prestressed THTR control gas vessel. 370858
The TNT safety characteristic method to assess the shock-wave effects of failed containers. 370822

Stoenescu, M.
Toroidal plasma time evolution. Part II. Ohmic heating during start-up. (PPPL – 1361) 359022

Stoenescu, M.L.
Boltzmann equation integration in thermionic converter conditions. Part II. Terms in Boltzmann equation. (PPPL – 1346) 359023
Heat transfer evaluation in a plasma core reactor. (CONF-760646 –) 374141

Stoensecu, M.
Toroidal plasma time evolution. Part I. Multiple-node model. (PPPL – 1294) 361632

Stoeri, H.
A hollow-cathode ion source for drift tubes. 370680

Stoerl, K.
Influence of violamycin BI on the process of excision repair in E. coli after UV irradiation. 373504

Stoetzel, H.
Decay heat removal plan of the SNR-300: a licensed concept. (CONF-761001 – P2) 365585

Stoever, D.
Cesium release data for Biso-coated particles. 365951
The influence of the microstructure on the solid and gaseous fission product retention properties of PyC layers. 370114
Investigations of silver diffusion in HTR fuel particles. 370949
Metallic fission product retention of coated particles with ceramic kernel additives. 365913
Recent working results of the programme 'diffusion data and fission product release'. (Juel – 1421) 355413

Stoewe, H.
Microscopic calculations for the ^8Li system. 356658

Stoffel, T.J.
Delayed radiation necrosis of the brain. 379070

Stoffregen, A.
Rayleigh scattering of 59.54 keV photons from Zn, Mo, Sn, Ta, Au and Pb through angles from 60° to 150°. 353356

Stoica, M.
Optimization of some eco-energetic systems. 380078

Stoilov, M.
Inducing disease resistant maize mutations via ionizing radiation. 376090

Stojanovic, D.
Effect of decontamination treatment in prophylaxis of irradiation at conditions of radiocontamination of normal and damaged skin. 354860
Problems of differential diagnosis in evaluation of pathological effects of ionizing radiation in medical supervision of occupationally exposed persons. 354821

Stojanovic, D.B.
Reaction of some radiosensitive physiological systems to irradiation and injury. 379041

Stojanovicj, D.
Decontamination treatment of the skin contamined with radiation iodine. 370405
Investigation of the internal structure of temperature gradient in the ground layer atmosphere. 373469

Stojanovicj, R.
Ecological aspects of tritium behaviour in the environment. 370422

Stojic, M.
Solubility and diffusion of sodium in germanium. 370221

Stojka, I.M.
Phase interactions in the Zn-As-Te system. 375870

Stokely, E.M.
Radionuclide cardiography as a determinant of cardiac performance for patients in a cardiac intensive care unit. 354962

Stoker, A.K.
Radiological survey and decontamination of the former main technical area (TA-1) at Los Alamos, New Mexico. (LA – 6887) 378821

Stoker, R.
Geothermal down hole velocity measurement device. 365676

Stokes, G.M.
Multicolor linear and circular polarization of AM Herculis. I. a preliminary geometrical model. 359130

Stokes, R.A.
Multicolor linear and circular polarization of AM Herculis. I. a preliminary geometrical model. 359130

Stokstad, R.G.
Heavy ion reactions: an experimental vista. (CONF-770602 – 1) 351312
Measurements of the fusion of ^{12}C + ^{14}N and the liquid-drop limit for ^{26}Al. 356896
Mechanisms for Li and Be production in the ^{14}N + ^{12}C reaction. (ORO – 3924-29) 364824

Stolboushkin, S.K.
On relation of low-energy proton fluxes with variations in the geomagnetic field. 376049

Stoletov, G.D.
High-pulsed parts of spectra of secondary particles from collisions of 6,3 GeV/C deuterons with protons, deuterons and carbon nuclei. (JINR-D – 1,2-9342) 356486

Stolk, C.
Calculations of elastic n-d scattering for the Reid potential. 377939
n-d breakup calculations with the Reid interaction. 351313

Stoll, G.J.
Training and career plan for engineers in the nuclear industry. 379616

Stoll, P.
Completion of the fuel cycle in small countries. 361168
Heat utilization of existing and under construction nuclear power stations in Switzerland. 368435
Nuclear power stations: uneasiness about them and democracy. 379303

Stoll, W.
Device for monitoring the personnel traffic into and out of rooms where radioactive material is handled. (German (F.R.) patent document 2016857/B/) 371298
Experience with plutonium recycle fuel for large light-water reactors in the Federal Republic of Germany. 368095
Safety aspects of LWR fuel reprocessing and mixed-oxide fuel fabrication plants. 369834

Stollarova, N.
^{131}I distribution in mice after irradiation. 349748

Stolle, E.
Value and limitations of retrosternal lymph scintigraphy for the staging of breast cancer. (INIS-mf – 4010) 357712

Stoller, Ch.
Comments on the reported discovery of primordial superheavy elements. 378184
Z-dependence of the position of MO X-ray anisotropy peaks. 377123

Stoller, S.M.
Morphology of reprocessing: a case for regional utility planning. 359859

Stoloff, N.S.
Influence of hydrogen on high cycle fatigue of polycrystalline vanadium. (COO – 3459-13) 359822

Stolov, A.L.
Luminescent spectra of rare earth ions in mixed fluoride crystals. (INIS-mf – 3955) 377170
Optical spectra of Tb^{3+} ions and crystal field on rare earth ions in crystals with the YF_3 structure. 374688
Relative intensities of optical transitions in rhombic centers of CaF_2-Er^{3+}. (INIS-mf – 3955) 378242
Spectra of impurities and rare earth defects in yttrium trifluoride. (INIS-mf – 3955) 377212
Stark structure of Tb^{3+} ion spectrum in crystals with YF_3 structure, crystal field and magnetic ordering in TbF_3 crystal. (INIS-mf – 3955) 377169

Stolov, A.M.
Power supply for the "T-10M" experimental thermonuclear facility. (INIS-mf – 3954) 361571
Power supply for the T-20 demonstration thermonuclear tokamak-reactor. (INIS-mf – 3954) 361572
Pulse power supplies based on induction storages. (INIS-mf – 3954) 361545

Stolpovskij, V.G.
Composition of penetrating radiation over the Earth atmosphere by the Kosmos 721 data. 357551
Study on captured radiation on the "Kosmos-426" satellite. 4. Structure of electron fluxes on outer bound of the geomagnetic trap. 376048
Study on trapped radiation by the Kosmos-426 satellite. 378947

Stolte, S.
Calculation of the glory scattering with anisotropic molecule-atom interactions in sudden approximation. 371502
Glory scattering with a polarized NO beam. (INIS-mf – 3940) 348740

Stolterfoht, N.
Auger decay of Li-like Ne induced by 200-MeV Xe^{31+} impact. 358836, 377124

Mean fluorescence yields of carbon-K following 100-500 keV C^+ and Ne^+ impact on CH_4. 358822, 377114
Spectroscopic examination of the argon $L_{2,3}$-Auger spectrum following excitation by light projectiles. 377104
Spectroscopic examination of the argon Lsub(2,3)-Auger spectrum following excitation by light projectiles. 358812
Theoretical study of Li^+-He collisions. 350682
Stolupin, V. A.
Investigation of the detecting properties of a counter filled with solid argon. 350301
Stolwijk, N.A.
Measurements of diffusion coefficients of ^{60}Co in the intermetallic compound CoGa. 348849
Stolyarevskij, A.Ya.
Nuclear energy centres and the economic and ecological problems of nuclear power development. 368445
Stolyarov, V.F.
Data reading system from wire spark chambers with ferrite rings. (ITEF – 53) 366060
Stolyarov, V.L.
Injectors for large thermonuclear devices. (INIS-mf – 3954) 361624
Stolyarova, I.A.
Microstructure and phase composition of the niobium-zirconium-carbon alloy system. (INIS-mf – 3839) 367260
Stolyarskij, Yu.V.
FORTRAN text correction with the CDC-1604-A console typewriter during reading a punched card program. (JINR-R – 11-10612) 376855
Primary principles of the ES-5012 magnetic storage device use in the SDS-1604A computer. (JINR – 11-9188) 352829
Stolypin, Yu.E.
Detektors of ionizing radiation on the bases of cadmium telluride. (INIS-mf – 3994) 379851
On application of non-refrigerated semiconductor detectors of roentgen radiation for measurement of cover thickness. (INIS-mf – 3994) 379400
Stolz, J.
Quality assurance during operation of a nuclear plant. 352961
Stolz, M.
Coating the inside surfaces of hollow sections with a tantalum layer for corrosion protection. 367213
Stolz, W.
Dosimetry of ionizing radiation by measuring thermally stimulated currents in irradiated high polymers. 374363
Electrolytic deep etching – a valuable complementary method to standard metallographic procedures. 359944
Stomakhin, A.Ya.
Peculiarities of deep decarburization in Fe-Cr-C and Fe-Mn-C melts during argon (nitrogen)- oxygen flow-down. 357233
Stone, E.C.
Cosmic ray investigation for the Voyager missions; energetic particle studies in the outer heliosphere – and beyond. 374970
Neutral particle background in cosmic ray telescopes composed of silicon solid state detectors. 374345
Relationship of energy flow at the magnetopause to geomagnetic activity. 373453
Stone, E.L. III
I. Field ion microscope study of dilute platinum cobalt. II. Transport measurements on high purity tungsten at ultra-low temperatures. 362462
Stone, H.E.N.
The constitution of inter-transition metal phases. 359883
Stone, J.A.
Evaluation of concrete as a matrix for solidification of Savannah River Plant waste. (DP – 1448) 363652
Moessbauer spectra and magnetic susceptibilities of neptunium chlorocompounds. (DP-MS – 77-45) 373020
Moessbauer spectra of Np(V) – Cr(III) and Np(V) – Rh(III) complexes. (DP-MS – 77-21) 359735, 378306
Moessbauer study of NpI_3-$K_2C_8H_8$ reactions. 369743
Stone, M.G.
Functional integrity and inflammatory reactions of exchange vessels and lymphatics in X-irradiated tissues. 370374
Stone, N.H.
Technique for measuring the differential ion flux vector. 366633
Stone, R.
Movement of radioactivity deposited underground at the U.S. ERDA Nevada Test Site. (UCRL – 78670) 349617, 352869
Radioactivity in the underground environment of the Cambric nuclear explosion at the Nevada Test Site. (LA – 6877-MS) 362574
Stone, R.G.
Mechanical Engineering Department quarterly report, July – September 1977. (UCRL – 50016-77-3) 377378
Stone, R.P.S.
Spectrophotometry of nova Cygni 1975. 361740
Stone, R.R.
Effect of extended pulse length on the Mirror Fusion Test Facility (MFTF). (UCRL – 52294) 350923
Stone, R.S.
Investigation of the effects of some safety system modifications on the safety of the HFIR. (ORNL/TM – 5738) 352800
Stone, T.J.
Numerical investigation of tunnelling contributions to electron scavenging reactions in liquids at short times. 362252
Stone, W.F.
Nuclear power in Asia. 371248
Stoneham, A.M.
The initial production of defects in alkali halides: F and H centre production by non-radiative decay of the self-trapped exciton. 360096
Stonehocker, G.H.
Study of the capability for rapid warnings of solar flare radiation hazards to aircraft. Part I. Forecasts and warnings of solar flare radiation hazards. Part II. An FAA polar flight solar cosmic radiation forecast/warning communication system study. Technical memo. (PB – 270284) 370388
Stoneking, J.E.
Mechanical deflection analysis of diamond-turned reflective optics. (Y – 2108) 377548
Stoner, J.O. Jr.
Reproducibility and accuracy in the production and thickness measurement of evaporated carbon films. (LA – 6850-C) 370774
Stonesifer, F.R.
Effect of grain size and temperature on fatigue crack propagation in A533 B steel. 375900
Stoop, L.C.A.
A pairwise interaction approach to the adsorption of Cu on W(100) and W(110). 370056
Stopa, P.
The effect of resonance production on angular correlations. 353935
Storb, R.
Treatment of blastic transformation of chronic granulocytic leukemia by chemotherapy, total body irradiation and infusion of cryopreserved autologous marrow. 373563
Storelli, L.
Neutron radiography with Cf 252 and TV imaging techniques. 376392
Storer, R.G.
Local harmonic approximation in quantum statistical mechanics. 363773
A theory of (p,2p) reactions at medium energies. (FIAS-R – 24) 356668
Storey, J.W.V.
Detection of interstellar DNC: difficulties of chemical equilibrium hypothesis for enrichment. 348995
Observation of $J = 1 \rightarrow 0$ emission from $H^{15}NC$. 348985
Spatial heterodyne interferometry of VY Canis Majoris, alpha Orionis, alpha Scorpii, and R Leonis at 11 microns. (N – 77-27049) 377655
Storizhko, V.E.
Proton radiative capture in ^{58}Ni, ^{60}Ni, ^{61}Ni nuclei. (KFTI – 75-15) 362078
Study on excited states of ^{94}Nb in the ^{94}Zr (p,nγ)^{94}Nb reaction. 377991
Stork, D.H.
Direct measurement of the π^- form factor. 372514
Stork, J.C.
Theory, capabilities, and use of the three-dimensional reactor operation and control simulator (ROCS). 374130
Storm, D.W.
Extraction system of the Nevis Synchrocyclotron. 363209
Operation status of the Nevis Synchrocyclotron. 363348
Storm, E.K.
Exploding pusher experiments utilizing a 4π illumination system. 372041
Laser fusion ion temperatures determined by neutron time-of-flight techniques. 364219
Performance of Argus as a laser fusion facility. (UCRL – 79816) 368994
Pinhole imaging of laser-produced thermonuclear alpha particles. (UCRL – 79780) 377365
Shiva target irradiation facility. (UCRL – 79784) 377476
Use of x-ray imaging on laser fusion experiments. (UCRL – 79817) 366506
Storms, E.K.
Thermal transport in refractory carbides. 373308
Storonkin, A.V.
Investigation and calculation of phase diagram of $NaNO_3$-$CsNO_3$-$Pb(NO_3)_2$ system. 349301
Investigation and thermodynamic calculation of phase diagram of CdI_2-PbI_2-NaI system. 349302
Phase diagram of the AgCl-CsCl-KCl system. 375598
Storozhuk, O.M.
An investigation of helium release from structural materials during heating. 360124
Stotlar, S.C.
Etching of thin silicon films. (LA – 6850-C) 371138
Stott, F.H.
Influence of yttrium additions on the oxide scale adhesion to an iron – chromium – aluminum alloy. 362296
Stott, G.
Options for the disposal of high-level radioactive waste. 368404
Stott, P.E.
Electron and ion heating by neutral injection in DITE tokamak. (INIS-mf – 3963) 353553
High density discharges with gettered torus walls in Dite. (INIS-mf – 3963) 372042
High-density discharges with gettered torus walls in DITE. 348912
Re-cycling experiments in the DITE tokamak. 374841
Stotz, W.
The "Nuclear-Karlsruhe" air-filter system. 360655
In-situ testing of HEPA filters in the nuclear Karlsruhe filter system. 360516
Stoudt, R.H.
TACO: fuel pin performance analysis. (BAW – 10087A(Rev.1)) 373869
Stout, J.D.
Radiocarbon enrichment of soil organic matter fractions in New Zealand soils. 351928

Stout, K.J.
Radiation sensing device. 358394
Stovall, J.E.
Accelerating and focusing structures for PIGMI. (LA-UR – 77-1545) 363354
Stover, B.J.
Retention and distribution of ^{239}Pu in beagles injected at 3 months of age. (COO – 119-252) 373628
Stovold, R.V.
Superconducting hexapole magnet. (RL – 77-096/B) 352415
Stowe, R.S.
Plutonium and uranium emission experience in U.S. nuclear facilities using HEPA filtration. 360505
Stowers, I.F.
Damage history of Argus, a 4TW Nd-glass system. (UCRL – 80419) 377549
Stoyachenko, N.L.
Mechanism of alternating copolymerization of sulfur dioxide with donor monomers. 357180
Stoyanov, Ch.
Calculation of E1-radiation strength functions for semimagic nuclei. 369454
Effect of residual interaction in a particle-particle channel on low-lying state properties of spherical nuclei. 377942
Excitation of collective states in spherical nuclei in high-energy proton interactions. 361975
Fragmentation of giant multipole resonances over two-phonon states in spherical nuclei. 354112
Stoyanov, D.Ts.
Representations of the superconformal algebra. 348604
Stoyanov, E.S.
Composition of tantalum and niobium complexes extractive by amines from fluoride solutions. 351517
Coordination hydration and extraction of metal halide complexes. 349299
Stoyanova, D.A.
J/psi production off Be, Cu and W by 43 GeV/c negative pions. 369344
Stoyanova, E.N.
Experimental study on interaction of ultracold neutrons with metals and gases. (INIS-mf – 3895) 353448
Investigation of the very cold neutron cross section for some metals and gases. 375083
Stoyanova, M.I.
On preparation of samarium, europium and gadolinium oxychlorides. 375472
Stozhkov, Yu.I.
New effects in 11 year modulation of galactic cosmic rays. 356201
Observation of solar cosmic rays during the flare of April 29, 1973. 356182
Stpiczynska, Z.
The method and preliminary results of measurements of the natural radioactivity in power station fly-ash and slags. 376011
Natural radioactivity of slag and fly-ash. 367383
Principles for the limitation of releases of radionuclides from nuclear power plants to the atmosphere. A model of food chain system. 367789
Straalsund, J.L.
Irradiation creep data in support of LMFBR core design. 360082
Straatmann, J.A.
New steels for oil and gas drilling in sulfide environments. 367186
Strachan, J.D.
Ion energy balance in ohmically heated PLT discharges. (PPPL – 1403) 377366
Stracke, W.
Design, dimensioning, and calculation of the components and elements of the primary circuit, illustrated by the example of HTR reactor internals. 370989
Variant of an insulation for a PNP hot-gas line. 370969
Stradella, L.
Calorimetric study at different temperatures of iodine adsorption from organic solutions on outgassed 'eta' alumina and bayerite. 375438
Stradling, G.N.
The in vivo solubility of plutonium-239 dioxide in the rat lung. 370413
The in vivo solubility of plutonium-239 produced in plutonium-sodium aerosols. 354873
Straeten, M. van der
The measurement of total serum IgE levels in rats. 352169
Straffon, N.
Army's drinking water surveillance program. 367798
Straight, R.J.
Atmospheric tritium sampling at the NTS. (CONF-770926 – 1) 363021
Strait, J.
Observation of elastic neutrino and antineutrino scattering and parity violation in the weak hadronic neutral current. 353995
Straka, M.
Decay heat removal from a pin bundle. (CONF-761001 – P4) 362956
Sodium boiling experiments in a 7-pin bundle: investigations into some safety aspects of the KNK II driver zone. 374253
Sodium boiling experiments in natural convection with a thermal power equal to the decay heat. 371056
Straker, E.A.
Preliminary risk analysis of the transportation of nuclear waste. 352319
Strakhov, G.V.
Application of nuclear geophysics techniques in exploration of holes in the phosphorite fields of the Karatau. 357477
Strakhov, L.P.
Effect of plastic deformation on electric conductivity of cadmium sulfide monocrystals. 374794
Mechanism of photodeformation in cadmium sulfide low-ohmic monocrystals. 356006
Photoelectromotive force in plastically deformed cadmium sulfide related with crystallographic polarity. 374793
Strakhov, M.V.
The principal approaches to solving the problem of radiological safety in planning hot laboratories and experimental devices. 360701
Strakhova, S.I.
The differential cross sections of the helium atom ionization by electron impact. 353357
The excitation of the discrete states of the heavy inert atoms by electrons in the Glauber model. 353310
Strakhovenko, V.M.
Anomalous magnetic moment of electron in a magnetic field. 348574, 355721
Interaction between a photon and an intense electromagnetic wave. 353034
On a possibility of the use of magnetic converters to produce polarized electrons and positrons at ultrahigh energies. 355072
Operator approach to quantum electrodynamics in an outer field. (JINR-D – 1,2-9342) 355722
Strakovskij, I.I.
Measurement of an average momentum and composition of secondary particle beams from accelerators. 363281
Stralen, S.J.D. van
Growth of a vapour bubble in combined gravitational and non-uniform temperature fields. 367906
Strand, J.A.
Suppression of the primary immune response in rainbow trout, Salmo gairdneri, sublethally exposed to tritiated water during embryogenesis. 360276
Strand, J.B.
Preliminary maintainability analysis of the HTGR dry head-end reprocessing systems. (GA-A – 14678) 378562
Strand, J.R.
Preliminary study of favorability for uranium of the Sangre de Cristo Formation in the Las Vegas basin, northeastern New Mexico. (GJBX – 82(77)) 378870
Strand, K.Aa.
Parallaxes of selected stars near the north galactic pole. 369209
Strand, S.-E.
Experimental evaluation of organ doses from exposure to sup(99m)Tc, ^{123}I and ^{131}I. 370648
Strand, S.E.
Image distortion in scintillation camera at high photon fluence rates. (INIS-mf – 4010) 363591
Stranden, E.
Neutron doses to patients in high energy X-ray therapy. 349924
Population doses from environmental gamma radiation in Norway. 360546
Strangio, C.
The Monte Carlo simulation of the Ladon photon beam facility. (ISS-P – 76-10) 361317
Stranieri, A.
A Ksup(π) = 4$^-$ rotational band in ^{48}V. 356838
Strashinskij, A.G.
Some applications of the method of element analysis by proton-excited x-radiation. 359573
Strathdee, G.G.
Homogeneous catalysis of deuterium transfer by potassium hydroxide and potassium methoxide D_2-H_2O and D_2-CH_3OH exchange. 362215
Strathdee, J.
A class of solutions for the strong gravity equations. (IC – 76-125) 361847
Strathdee, S.
H^+ production in the photoionization of H_2, CH_4 and H_2O. 376981
Stratienko, V.A.
On the enrgy dependence of the radiation efficiency of relativistic electrons. (KFTI – 74-47) 353490
Stratmann, J.
Experience of large scale utilisation of 'class S' aerosol filters. 360524
Stratt, R.M.
Phase space sampling approach to equilibrium semiclassical statistical mechanics. 368597
Stratton, R.W.
Development of advanced fuels in Switzerland. 379811
Irradiation behavior of sphere-pac carbide fuel. 379812
Stratton, W.R.
Safety considerations in fast reactor fuel development. 371050
Strauch, K.
Separation of krypton and xenon from the offgas of nuclear facilities. (KFK – 2435) 357914
Straume, O.
Single proton states in odd holmium isotopes. 359513
Vector analyzing powers for the (d,t) reaction to a transitional nucleus ^{147}Nd. 359526
Straus, F.C.
Pulmonary collagen metabolism in irradiated hamsters and those treated with corticosteroids. (LF – 56) 362748, 362749
Straus, M.J.
Uptake, excretion, and radiation hazards of tritiated thymidine in humans. 360351

Straus, S.E.
Uptake, excretion, and radiation hazards of tritiated thymidine in humans. 360351
Strausmanis, R.
Lack of effect on the chromosomal non-disjunction in aged female mice after low dose x-irradiation. 373547
Strauss, B.S.
Molecular biology of the response of cells to radiation and to radiomimetic chemicals. 357563
Strauss, D.
Influence of violamycin BI on the process of excision repair in E. coli after UV irradiation. 373504
Strauss, H.J.
New types of filter for aerosol removal from reprocessing plant off-gases. 359860
Strauss, H.R.
Dynamics of high β tokamaks. 350951
Strauss, H.W.
Thallium-201 distribution in the thyroid: relationship to thyroidal trapping and blood flow. (INIS-mf - 4052) 373619
Strauss, M.G.
Considerations in measuring trace radionuclides in soil samples by L x-ray detection. (CONF-771023 - 20) 378877
Strauss, V.E.
Radioimmunoassay. Early diagnosis in the test tube. 360403
Straw, D.C.
Electrostatic collective ion acceleration in the evacuated drift tube geometry. 363253
Linear collective effect acceleration in the presence of a strong axial magnetic field. 363349
Strawbridge, L.E.
Analysis of postulated FFTF pipe ruptures. (CONF-761001 - P3) 365579
Evaluations of CRBRP thermal margin beyond the design base. (CONF-771108 - 3) 373863
Loss of one heat transport loop without reactor trip. 352263
Strayer, M.R.
Low-energy He-He interactions with phenomenological potentials. 350576
Strazhesko, D.H.
Study of kinetics of equilibrium cations exchange on oxidised carbon with use of radioactive indicators. 351495
Strazhevskaya, N.B.
Modification of radiosensitivity of DNA-membrane complexes in mammalian cells by means of protectors. 354748
Strebin, R.S.Jr.
Alpha-energy and mass analyses of plutonium from a single sample mount. 364918
Strebkov, D.S.
Radioisotope batteries with silicon base semiconductor converter. 352356
Strecker, E.P.
Liquor dynamics investigations in cases of communicating hydrocephalus by means of autoradiography and computerized tomography. (AED-Conf - 77-395-005) 376195
Streclas, A.
On the equations of motion. 363794
Strecok, A.J.
Argonne Code Center: compilation of program abstracts. (ANL - 7411(Suppl.11)) 374513
Street, C.V.
Tissue variability and some properties of the accumulation of [^{3}H]-corticosterone by isolated organs. 357566
Streetman, B.G.
Electrical profiling and optical activation studies of Be-implanted GaAs. 351898
Nitrogen isoelectronic trap in GaAs/sub 1-x/P/sub x/: II. Model calculation of the electronic states N/sub Gamma/and N/sub x/ at low temperture. 359827
Streever, R.L.
Nuclear-magnetic-resonance studies of ^{143}Nd and ^{145}Nd in Nd-Co compounds. 359989
Strehlow, R.A.
Layering and combustion in the HTGR containment following depressurization accident. 352271
Strein, K.
Ion - molecule reactions of N^+ with CO: Integral reactive cross sections in the collision energy range 0.2 - 13 eV. 368632
Streit, K.-P.
Measurement of the $(K^+ \rightarrow \pi^0 \mu^+ \gamma)/(K^+ \rightarrow \pi^0 e^+ \gamma)$ branching ratio. 356509
Streit, L.
Stability of scattering phase shifts. 356413
Streit, S.
Incorporation control by excretion analysis of tritium, strontium-90, uranium and plutonium. (SGAE - 2711) 354977
Streitmatter, R.E.
On the high energy proton spectrum measurements. 372156
Streitwieser, A. Jr.
Substituted uranocenes with alkoxy and amino groups. 365022
Strejpa, I.P.
Certain methods for vanadium determination in biological materials. (INIS-mf - 4188) 375369
Strekalov, M.L.
Quasiresonance spectral line broadening in the impact approximation. 366375
Strel'nikova, I.A.
The effect of radiation defects on the properties of the inversed on GaSb and Gasub(1-x)Insub(x)Sb diodes. 370121
Electroluminescence spectra of p-GaSb-n-Gasub(1-x)Insub(x)Sb heterojunctions. 348811
Strelko, V.V.
Role of active centers of solids in radiation chemical transformations of heterogeneous systems. 373094
Study of the features of radiation chemical synthesis of aminoacids from mixtures of ordinary gases in adsorbent surface layer. 378522
Strelkov, A.V.
Gaseous and frozen-up converters as ultracold neutron sources. (INIS-mf - 3895) 354001
Storage of ultracold neutrons in copper vessels. (JINR-R - 3-9534) 349137, 354007
Strelkov, R.B.
Modification of radiosensitivity of DNA-membrane complexes in mammalian cells by means of protectors. 354748
Strelkov, V.V.
Determination of oxygen in complex-alloyed steels using method of reducing melting with pulse heating of sample. 356958
Strelow, F.W.E.
Improved separation of cadmium-109 from silver cyclotron targets by anion-exchange chromatography in nitric acid-hydrobromic acid mixtures. 375370
Method to avoid losses of uranium at the interface between different eluting agents during anion exchange chromatography. 372930
Streltsov, V.N.
Asymmetry in the angular distributions of spectator-nucleons. (JINR-E - 1-9814) 377778
On the two-nucleon enhancement associated with high momentum tail of the spectator in the deuteron break up. (JINR-D - 1,2-9342) 356479
Stremlaw, A.J.
Estimated prices for thermal generating stations at 1 January 1977. 363703
Streng, K.H.
Photoproduction of heavy quark flavours. 377727
Stretskite, G.-V.I.
Study of reactions of molybdate and tungstate with dioxycumarines. (INIS-mf - 4191) 375453
Streubel, G.
Experimental determination of thermal neutrons by gold activation probes. (TU-Inf - 05-42-76) 366038
Strever, J.
Nuclear "Metalog" grade logging in mineral deposits. 376006
Streydio, J.-M.
Angular dependence of the scattered ion yields in $^4He^+ \rightarrow Cu$ scattering spectrometry. 361423
Strezhneva, I.I.
Solubility in $NaBO_2$-$Na_2B_4O_7$-Na_2CO_3-H_2O system at 25 deg C. 351573
Stribuk, E.K.
Effect of purity and alloying with transition elements on superconductivity of vanadium, niobium or vanadium-niobium alloys. 351808
Strickman, M.S.
Variability of high energy radiation from the Crab pulsar, NPphi532. 372280
Strickrodt, J.
Heat decoupling from nuclear power plants. Cost comparison LWR - HHT. 376811
Strickroht, E.
Nuclear power station with a spherical containment shell. (German (F.R.) patent document 2244563/B/) 355312
Strickroth, E.
Nuclear power plant with spherical containment. 355408
Striem, H.L.
Tsunamis induced by submarine slumpings off the coast of Israel. (IA - 1338) 365612
Striffler, C.D.
Recent results of the University of Maryland research program on collective ion accelerators. 363202
Strigl, A.
Mass-spectroscopic determination of fission gas permeabilities of HTR fuel particle coatings. 363473
Method of measurement to determine the permeability to fission gas of the cladding of HTR fuel particles. 370993
Restoration of carbon monoxide equilibrium in porous oxide high-temperature reactor fuel particles. 365952
Restoration of CO equilibrium in porous oxide HTR fuel particles. (SGAE - 2622) 374179
Strigushchenko, I.V.
Some specific features of thermoionic emission of lithium niobates. 377291
Strijckmans, K.
The determination of nitrogen in tantalum by proton activation analysis. 369575
Strike, P.
DNA synthesis and degradation in UV-irradiated toluene treated cells of E. coli K12: the role of polynucleotide ligase. 376085
Strikhanov, M.N.
The coherent electromagnetic interactions of fast charged particles in a single crystal. (INIS-mf - 3995) 377846
Stringari, S.
Magnetic moments and the Skyrme interaction. 372637
M1 strength distribution in nuclei. 362003
Skyrme's interaction and corrections to gryomagnetic factors. 364804
A variational approach to magnetic moments. 362004
Stringaris, K.
CT-tomometry. Pt. 1. 355087

Stringer, J.
High-temperature oxidation of metals. 351679
Stringer, J.T.
An engineered maintenance approach to improved nuclear plant availability. 368259
Strittmatter, P.A.
Spectral development of Nova Cygni 1975. 351086
Strizak, J.P.
Elevated-temperature fatigue characterization of transition joint weld metal and composite material in support of LMFBR steam generator development. (CONF-770524 – 3) 351701
Strizhak, V. I.
Technique for electronic collimation of DD-neutrons by means of Ge(Li) detector. 358332
Strizhenov, D.S.
Investigation of He^+ and Ar^+ passage through thin carbon films. (INIS-mf – 3996) 364627
Strizhov, S.G.
Influence of some surfactants on the purification of waste solutions by evaporation. 349334
Strmen, P.
Adjustable stabilized high-voltage power supply of 500 V to 2 kV, 2 mA, with integrated circuit. 371139
Strnad, J.
Superluminal transoformations and tachyons. 368576
Strnadel, M.
Equipment for broken ore transport from stopes, mainly for radioactive ore transport. (Czechoslovak patent document 158487/B/) 370260
Strnat, K.J.
Bonded rare earth – cobalt permanent magnets. 362463
Strnisa, F.V.
Radionuclide dynamics and health implications for the New York nuclear service center's radioactive waste burial site. 358528
Strobel, D.F.
Ultraviolet spectrometer experiment for the Voyager mission. 374884
Strobridge, T.R.
Refrigeration technology for superconductors. 363350
Strocchi, F.
Gauge groups in local field theory and superselection rules. 353157
Spontaneous symmetry breaking in local gauge quantum field theory; the Higgs mechanism. 363847
Strocka, B.
Pinning of 180° Bloch walls at etched nuclear tracks in LPE-grown iron garnet films. 373357
Stroebele, H.
New information about the kaon-nucleon-hyperon coupling constants g(anti KNΣ(1197)), g(anti KNΣ(1385)) and g(anti KNΛ(1405)). 356497
Stroemich, A.
The (p, n) reaction between analog states in isotopes of Sn and Sb. 359453
Nuclear start-up of KNK-II. 371047, 371048
Stroganov, Yu.G.
Observation of muon pairs in neutrino interactions at Serpukhov 70 GeV accelerator. 361870
Stroganova, V.F.
Chemical interaction in composite materials with magnesium and ML-8 alloy base reinforced with boron fibers. 365187
Strohal, P.
The role of nuclear research centres in the introduction of a nuclear power programme. 371311
Strohbach, P.
Verification of BWR design and calculation methods. 370804
Strohl, P.
Evaluation of experience and trends in international co-operation in nuclear safety and licensing. 370614
Strok, L.P.
Alloying of high-manganese steels with chromium and copper. 378665
Connection between plastic deformation in fractures and rupture characteristics. 373191
Strokan, N.B.
Use of silicon with gold compensation for detectors of low absorbed radiations. 374366
Strom, D.
Thermal conductivity of 1 MeV electron-irradiated Al_2O_3 between 1 and 70 K. 373387
Strom, R.G.
Radio emission from a normal HD26676 star. 351087
Westerbork surveys of radio sources at 610 and 1415 MHz. 366780
Strong, A.W.
Diffusion models for the low-frequency radio emission from the Galactic halo. 356324
Identification of cosmic γ-ray sources CG135 + 1 and CG189 + 1 with HII regions. 351088
Strong, D.M.
Tritiated thymidine incorporation and cell-mediated lympholysis as correlates of acute graft-versus-host reaction. 367641
Strong, J.A.
$f^0(1270)$ production in the reaction $\pi^-p \rightarrow \pi^+\pi^-n$ at 12 and 15 GeV/c. 372501
Strong, L.C.
Genetic and environmental interactions. 373576
Strong, M.G.
Budget performance reporting and construction work packaging. 358165
Strong, P.J.
The effects of radiation-induced deep levels on the admittance of p^+n diodes under forward bias. 366066
Strong, R.W.
Analog transmitter/trip unit system for engineered safeguard sensor trip inputs. Licensing topical report. (NEDO – 21617) 357819
Strongin, M.
Correlations between the transition temperature of Nb_3Ge and the normal-state resistivity. 362428
Measurements of gap anisotropy in A15 Nb_3Sn. 367247
Stronski, I.
Extraction of chelates with aromatic Schiff bases. (INR – 908/C/75) 375663
Stronski, J.P.
Search for narrow resonant states in e^+e^- collisions near 6 GeV. 351208
Stroscio, M.A.
Laser-target retropulse isolation using an aperture in vacuum. 358915
Night and day relationships between polar cap riometer absorption and solar protons. 367440
Structured pellet design for laser fusion: a numerical determination of the optimum mass ratio. (LA – 6986-MS) 372043
Strottman, D.
Study of the electric monopole transitions between the ground state and the first excited 0^+ state in $^{40\ 42\ 44\ 48}Ca$ with high resolution inelastic electron scattering. 377998
Strout, R.E. II
GANDALF: users' manual. (UCID – 17615) 373937
Stroynowski, R.
Large p/sub T/ physics: data and the constituent models. (SLAC-PUB – 1903) 377797
Large P/sub T/ physics: Data and constituent models. 372406
Strozier, J.A.
Hydrogen poisoning of the CO oxidation reaction on Pt and Pd under ultrahigh vacuum conditions. (BNL – 22753) 351812
Strub, R.
Evidence for a narrow width boson of mass 2.95 GeV. 372519
Inclusive anti K^{*0} (890) production in π^-p interactions at 16 GeV/c. 356507
Observation of the reactions $\pi^-p \rightarrow$ anti pd at 10 and 16 GeV/c. 372520
Production of phi and f' in 10 GeV/c K^-p interactions. 353959
Strubin, P.
ISR clearing current monitoring system. 363243
Struble, G.L.
Coexistence of three nuclear shapes in ^{151}Eu. 359527
Gamma rays from thermal neutron capture in ^{136}Xe. 364817
Struchkov, V.A.
Modification of radiosensitivity of DNA-membrane complexes in mammalian cells by means of protectors. 354748
Struchkov, Yu.T.
Crystal and molecular structure of tetrakis-(cyclopentadienyl-iodotungsten tricarbonyl) silver borofluoride. 349286
Struckmeyer, H.F.
Application of ^3H-labelled silation reagents to determine the kinetic and equilibrium constants of the silylation reactions for mass spectrometry of steroid hormones. (AED-Conf – 76-172-010) 370450
The use of ^3H-labelled silylating agents for the determination of the specific reaction rates and the equilibrium constants of silylation reactions for steroid hormone analysis by mass spectrometry. 365032
Struczinski, W.
The cross section for the production of massive electron pairs and the UPSILON(9.5 GeV) in proton-proton collisions at the CERN ISR. 369367
Study of photons produced simultaneously with the J/psi particles at the CERN Intersecting Storage Rings. 377794
Strudel, J.L.
Apparent and effective creep parameters in single crystals of a nickel base superalloy. I. Incubation period. 362386
Strugal'skij, Z.
Characteristics of multiplicity of charged products of π^{+-} nuclear reactions as source of information about neutron and proton distribution on the atomic nucleus periphery. (JINR-D – 1,2-9342) 356837
On reconstruction of π^0 spectra from gamma spectra by the statistical regularization method. (JINR-D – 1,2-9342) 356518
Scaling properties of proton emission in $\pi^+ + Xe \rightarrow p + ...$ interactions at 2.34 GeV/c. 369386
Study on charge-exchange reaction of 2.34 GeV/C π^+ on xenon nucleus and problem of existence of π-mesons inside a nucleus. (JINR-D – 1,2-9342) 356886
Strugal'skij, Z.S.
Study on interaction of fast particles with atomic nuclei. (JINR-D – 1,2-9342) 356897
Study on the emission intensity of -mesons in interactions of fast π+ – mesons with nuclei. (JINR-R – 1 – 9083) 356516
Strugar, P.
Neutron convertor at reactor RB. 379562
The nuclear fuel cycle for research and power reactors. 369844
Strukova, G.K.
Spectral studies of photoplastic effect on α and β dislocations in CdS. 356035
Strum, D.
Radioimmunoassay for 3,3'-L-diiodothyronine (3,3'T_2). 357634
Strunk, J.F.
Application of NE-3000 rules. 370615

Strushchenko, P.V.
Refining iron and iron-nickel alloys in a vacuum induction furnace with crucible of melted lime. 375797
Strusny, H.
Investigation of isub(13/2) excitations in ^{197}Hg and ^{191}Pt. 372774
Investigation of the $i_{13/2}$ excitation in ^{197}Hg. (ZfK – 336) 364790
Quasi-rotational bands in ^{80}Kr. (ZfK – 336) 364769
Rotational bands and a high-spin isomer in ^{178}Ta. (ZfK – 336) 364765
Strutinskij, V.M.
New determination of the shell correction into nucleus droplet energy. 375139
Strutinsky, V.M.
Semi-classical theory of nuclear shell structure. 375140
Semiclassical interpretation of the gross-shell structure in deformed nuclei. 354117
Struven, W.C.
Two microcomputer-controller applications at SLAC. 363351
Struwe, D.
Comparative analysis of a hypothetical loss of flow accident in a LMFBR using different computer models for a common benchmark problem. 371051
Safety analysis aspects of a 2000 MWe LMFBR core. (CONF-761001 – P1) 363022
Theoretical interpretation of boiling phenomena in electrically heated, sodium-cooled 7-rod arrays. 371011
Theoretical interpretation of SCARABEE single pin in-pile boiling experiments. 374284
Struxness, E.G.
Assessment of impacts and the preparation of environmental impact statements for the licensing of nuclear power plants. (CONF-760744 –) 357820
Struzhko, B.G.
Deuteron disintegration on heavy nuclei and allowance for neutron interaction in a final state . . 377886
Deuteron disintegration on lead isotopes. 377887
Stryczniewicz, K.
Collective states fed by weak α-transitions in the ^{232}U chain. 356814
Stryjecka-Zimmer, M.
Incorporation of [^{32}P] orthophosphate into histones of chick embryo brain and liver. 354874
Strykowski, I.
Analysis of d-^{7}Li elastic and inelastic scattering at low energy with a simple model of the Pauli principle effects. 359377
Simulation of the Pauli-principle effects in the description of light ion scattering and bound states. 356568
Strykowski, Ilan
Contribution to the study of the influence of the Pauli principle and of its modelization in nuclear reactions between heavy ions: application to the reaction ^{7}Li + α. (CRN-PN – 76-33) 354118
Stryuk, Yu.S.
Study of the sub(27)Al(α, t)sup(28)Si reaction on 27,2 MeV α-particles. 377922
Strzalka, K.
Effect of light on the incorporation of ^{14}C orotic acid by wheat seedlings. 373737
Strzalkowski, A.
Elastic scattering of ^{9}Be on heavy target nuclei. 372702
Strzelbicka, B.
Determination of rare earths by atomic absorption spectroscopy. 375298
Strzelczak, G.
Detection of leakages in industrial water conduits by means of radioactive ganges. 367896
Strzelecki, M.
Isotope investigation of anodic slime movements in copper electrorefining baths. 367897
Stuart, B.O.
Carcinogenesis of inhaled radio daughters with uranium ore dust in beagle dogs. (BNWL – 2100(Pt.1)) 360312
Comparative toxicity in rats vs hamsters of inhaled radon daughters with and without uranium ore dust. (BNWL – 2100(Pt.1)) 360315
Non-neoplastic pulmonary disease from inhaled radon daughters with uranium ore dust in beagle dogs. (BNWL – 2100(Pt.1)) 360313
Stuart, C.Z.
Predicting gas mixture changes due to leakage in hermetically sealed units. 373974
Stuart, D.C.
Trace mercury analysis in biological materials: use of ^{203}Hg-labelled methylmercury chloride for in vivo labelling of fish to study the efficacy of various wet ashing procedures. 364999
Stuart, G.W.
A simple neoclassical point model for transport and scaling in EBT. 348923
Stuart, R.A.
Thermal insulation. (UK patent document 1491204/A/) 368203
Stuart, T.P.
HP 65 computer program for calculating discrete source detectability. (EGG – 1183-1687) 361060
Stubbs, B.
Wedge transmission data errors caused by backscatter into monitor chamber. 376617
Stubbs, J.A.
Energy-dependent cross sections for K$^-$ neutron interactions in the CM energy range 1750-2200 MeV from five K$^-$ deuterium bubble chamber experiments. 356500
Stubbs, R.J.
An eight channel fast scalar. 366041
A seven channel gated charge to time converter. 366039
Some results on the sensitivity of the RCA 4522 photomultiplier tube. 358386
Stubican, V.S.
Fluorite related ordered compounds in the $ZrO_2 – CaO$ and $ZrO_2 – Y_2O_3$ systems. 365208
Stubna, M.
Irradiation probe and laboratory for irradiated material evaluation. 354624
Stuchlik, W.
Method and device for control in processing liquids. (German Dem. Rep. patent document 118173/A/) 365672
Stucki, S.
Plasma resonance absorption in interfacial photoemission from very thin silver films on Cu(111). 361469
Student, A.Z.
Fractographic studies of fatigue crack propagation in low-tempered steels. 351801
Study, T.
Automatic analysis of GCS for radiopharmaceutical quality control. (INIS-mf – 4010) 369569
Stuecker, E.
Strain gages for measuring surface extensions in the circular sections of work pieces. (German (F.R.) patent document 2345309/B/) 376682
Stueger, R.
Intermediate and ultimate storage site for Austria for LWR fuel and reactor core components. 369831
Stueker, S.
Measurements of energy spectra and doses in liquid air of neutrons from a californium-252 source. 372556
Stuenkel, H.
Investigation of methods for the degassing of primary coolant water. (BMFT-FB-K – 77-08) 370941
Stuessi, H.
Depth dependence of radiation damage in graphite irradiated with 1 to 4 MeV-^{4}He ions. 377550
Surface morphology changes of graphite irradiated with energetic helium ions. 365247
Stuessi, H.J.
Damage of graphite surfaces resulting from ion bombardment, studied by means of electron microscopy. Raman- and x-ray photoelectron spectroscopy. 370233
Stuka, B.
Experiments on the determination and limitation of fission and activation product release during core meltdown. (KFK – 2435) 357726
Experiments with simulated large core melts. (KFK – 2435) 357808
Stuke, M.
Enrichment of chlorine isotopes by selective photoaddition of iodine chloride to acetylene. 367869
Stukov, G.M.
Determination of neutron mean number on fission event of ^{252}Cf. (INIS-mf – 3896) 357875
Stukov, O.I.
Determination of circular scintillation detector efficiency. 376644
Polarization characteristics of the coherent bremsstrahlung at a nonaxial collimation. 374570
Stull, J.O.
Engineering design models for SNUPPS project. 358238
Situation thinking as an aid to organizing and planning the construction effort. 358166
Stulz, L.W.
Sputtering of polycrystalline InP on CdS and other substrates. 351864
Stulzaft, O.
Application of neutron activation analysis to the study of the variations of the concentration of trace elements in various organs of rats as a function of age. 375311
Stumer, I.
The cross section for the production of massive electron pairs and the UPSILON(9.5 GeV) in proton-proton collisions at the CERN ISR. 369367
Study of photons produced simultaneously with the J/psi particles at the CERN Intersecting Storage Rings. 377794
Stump, N.
Anisotropy in the Compton profiles of Nb and NbHsub(0.76). 350767
Stumpe, E.
Ion induced ejection of neutral molecules from Ni-W and Ni-Mo alloys. (INIS-mf – 3996) 364082
Sputtered neutral mass spectrometry (SNMS) as a tool for chemical surface analysis and depth profiling. 353475
Total and differential sputtering yields of Ta- and Nb-oxide for 100-600 eV Ar$^+$ measured with sputtered neutral mass spectroscopy. 368860
Stumpf, H.
Economical district heat supply. 376812
Stupavsky, M.
Inelastic collisions of excited atoms: sensitized fluorescence of sodium atoms and mercury molecules. 358837
Stupin, D.Yu.
$CBrClF_2$ deuterate. 359700
Stupina, L.N.
Corrosion resistance of carbon steels in conditions of steam lines of APS with boiling-water reactor VK-50. 375728
Sturgis, B.E.
Gamma counter apparatus. (US patent document 4,035,642/A/)

363573
Sturm, A.
Experience in training personnel for operation and maintenance during start-up, test running, and continuous operation of the Greifswald-1 and Greifswald-2 reactors of the "Bruno Leuschner" nuclear power plant. 374543
Sturm, D.
Spherical containments under static and dynamic internal pressure load. (AED-Conf – 76-747-008) 355374
Sturm, W.
Evidence for the F meson. 353947
Measurements of tau decay modes and a precise determination of the mass. 372505
On the origin of inclusive electron events in e^+e^- annihilation between 3.6 and 5.2 GeV. 353772
On the semileptonic decay of charmed hadrons. 356496, 364566
Sturman, B.I.
About low hybrid heating in tokamaks. (INIS-mf – 3963) 371962
On a lower-hybrid plasma heating in a tokamak. 368977
Plasma turbulence near the low hybrid resonance. 350952
Sturmfels, J.
Implementation of civil engineering for nuclear power plants. 352613
Sturrock, J.B.
Core and fuel at the NBSR. 358321
Sturrock, P.A.
Particle acceleration in axisymmetric, magnetized neutron stars. (N – 77-26044) 369022
Stutte, L.
Charged current differential distributions in the Caltech-Fermilab γ-experiment. 353931
A measurement of the neutral current coupling in neutrino inclusive reactions. 353932
Normalized small-y cross sections for neutrinos and antineutrinos at high energy. 359333
Rate of dimuon production from neutrinos and antineutrinos at high energy. 366880
Stverak, B.
Radionuclide methods in semiconductor technology. I. 379423
A radiotracer technique for evaluating the covering power of electrolytic baths for noble metals. 355116
Styazhkina, T.V.
Chromosome aberrations in cells of the pea seedling meristem caused by pulsed and protracted irradiation. 378996
Styczen, J.
Spin and g-factor of the 40keV level in ^{45}Ti. (CRN-PN – 77-2) 354269
Styles, J.B.
Comparison of measured and computed loss to parasitic modes in cylindrical cavities with beam ports. 363368
Styles, R.C.
Characteristics of an intense neutron source based on the d + Be reaction. 355204
Styrikovich, M.A.
Analysis of effect of porous depositions on impurity concentrating in steam generating channels. 376318
Styrikovich, N.M.
Effect of conditions of polypropylene crystallization and annealing on post-radiation grafting. 349603
Styrikovish, M.A.
On a mechanism of non-volatile impurity transfer while boiling on surfaces covered by a porous structure. 373999
Styris, D.L.
16-MeV H^+ and (D,T) neutron hardening correlation in nickel and niobium at 20°C. 360097
Styrksh, O.R.
Some physicochemical properties of 2- and 4-quinolinedithiocarboxylates. 372941
Su, C-S.
High temperature diffusion of uranium in refractory metals determined by thermal neutron fission of ^{235}U. 355587
Su, C.-H.
The relative photoionization cross section measurement by X-ray detection. 379870
Su, H.Y.
Hot atom reactions in the HBr-Br_2, DBr-Br_2 systems. Abstraction versus exchange in the reactions of D with HBr, and H with DBr. 369708
Su, S.
The photoneutron cross section of natural osmium. 372817
Su, S.J.
Adapting the polycarbonate dosimeter and electrochemical etching to the microdosimetry of ^{239}Pu in bone. (CONF-770720 – 7) 379121
Detection of hot fallout on Taiwan in the period 1971-1975. 354727
Development and application of the electrochemical track etching technique. Progress report. (TID – 28051) 379333
Neutron dosimetry using electrochemical etching. (CONF-770720 – 9) 379949
Suarez, A.A.
Nuclear resonant scattering of capture gamma rays on Sb. (IEA – 399) 354187
Resonance scattering of capture gamma rays as an analytical tool. 354310
Suaya, R.
UPSILON (9.5) as bound states of new heavy quarks. 366830
Subashiev, V.K.
Three-photon absorption and linear-circular dichroism in InAs. 368760
Subba Ramu, M.C.
A study of the behavior of the primary particles of radon and its decay products. 354875
Subba Rao, K.
Material reactivity worth measurements in a fast reactor. 376472
Subbaiyan, M.
Chromatographic separation of Te(IV) and Te(VI). 367133
Subbarao, E.C.
Reaction of zircon with sodium carbonate. 367295
Subbotin, V.G.
Device for shaping and discriminating signals for an x-ray spectrometer. (JINR – 13-10277) 379965
X-ray semiconductor spectrometer with light feedback. (JINR-R – 13-10430) 376670
Subbotin, V.I.
Averaged characteristics of an air turbulent flow in the entrance region of a circular tube. (FEI – 599) 349981
Critical heat fluxes in tubular fuel elements of nuclear power reactors. 367911
Hydraulic resistance of tubes with artificial roughness at low Reynolds numbers. (FEI – 559) 349982
Reactive force acting on a growing bubble in consequence of evaporating molecules. 373994
Study on temperature regimes of a tube wall in heat removal by water of supercritical pressure. 370703
Subbotina, N.A.
Magnetism of $Cr(Phen)_2Cl_3x2,5H_2O$ and $Cr(Phen)_2Cl_2Ix3H_2O$ complexes. 369727
Uranium (4) compounds with chlorosubstituted derivatives of acetic acid. 362237
Subbukutty, K.
Analysis of small cylindrical fast systems by Monte-Carlo method. 376419
Subkhankulov, E.L.
Characteristics of light emmiting diodes on the base of Gasub(0.7)Insub(0.3) and IaP<N>. 366424
Subki, I.
Nuclear power prospects in an oil and coal-producing country. 371231
Suboticj, B.
Deposition of radioactive waste produced by nuclear power plant. 371188
Subrahmanya, C.R.
The flux density-angular size distribution for extragalactic radio sources. 366765
Subrahmanyam, P.
Mutagenic action of non-ionizing radiations: its implication in radiation protection. 370327
Subrahmanyam, V.V.V.
Internal Bremsstrahlung from Pr-143. 356843
Subramanian, G.
The influence of structural changes on biodistribution of sup(99m)Tc labeled N-substituted IDA derivatives. (INIS-mf – 4010) 378493
A new solid phase reduction system using insoluble stannous salts for the preparation of sup(99m)Tc labeled radiopharmaceuticals. (INIS-mf – 4010) 357116
Radiopharmaceuticals for bone and bone-marrow imaging. 354876
Studies on experimental infection of rabbits with irradiated metacercariae of Fasciola giganticas Cobbold, 1885. 352147
Tcsup(99m)-labelled radiopharmaceuticals for renal scintigraphy. 349336
Subramanian, Japyesan
Magnetic interactions in iron (III) porphyrin chlorides. 364004
Subramanian, K.S.
An approach for obtaining high availability at Madras Atomic Power Station. 379722
Subramanian, T.K.
Studies on P^{32} labelled nitrophosphates : Part I. (BARC – 896) 375651
Subramanyam, P.S.S.
Scintiphotography of lungs with dry aerosol – generation and delivery system: concise communication. 373666
Subramanyam, R.B.
Integrated planning for a fuel industry, with emphasis on the minimum size appropriate for fabricating one's own fuel. 365829
Substyk, D.
Methods of investigations of molybdenum produced by powder metallurgy. 373231
Subudhi, M.
Higher order effects and their influence on the HTGR core. (BNL – 23196) 367747
Suchanek, O.
Possible uses of nuclear energy in agriculture. 368437
Suchannek, R.
Sensitivity of (α,α') cross sections to excited-state quadrupole moments. 354139, 372701
Sucharev, V.A.
Niobium oxidation and reduction during melting of high-alloyed steels. 375758
Sucharew, J.P.
Nuclear reactor control group. (German (F.R.) patent document 2445370/A/) 350167
Sucher, J.
Quark model relation for kaon charge radii. 356419, 372426
Sucheta, N.
Study of C centres in NaCl by positron angular correlation. 366445
Suchkov, A.A.
Distribution of the RR-Lyrae type stars according to metal

abundance: evidence of active phases in the Galaxy evolution. 369210
Statistical properties of stellar populations: evidences of active phases in Galaxy evolution. 369211
Suchkov, D.A.
Comparison results of automatic and semiautomatic processing of images from the ITEF 1,5 m spectrometer. 361074
Solid deuterium target. 357932
Suchomel, J.
Regulatory activities and their research and developmental support in the CSSR. 371267
Results of research into nuclear power plant safety. (INIS-mf – 4054) 367792
Safety and reliability of nuclear power plant operation. Part 2. 349899
Suchy, P.
Mixing efficiency and burnout properties of KWU spacers in PWR reactors. 370942
Suciu, D.
Alkaline endonuclease(s) activity in the thymus and spleen of normal and irradiated mice. 365400
Suck, J.B.
Neutron spectroscopy of the crystal field splitting in cerium hydride. 378752
Suckewer, S.
Energy loss rates of energetic ions injected into the FM-1 spherator. 350822
Ion energy balance in ohmically heated PLT discharges. (PPPL – 1403) 377366
Population inversions in high pressure lasers. 377538
Spectroscopic measurements of ion temperature in ATC tokamak with RF and neutral-beam heating. 348965
Suckling, C.W.
Electron spin resonance spectra of mixed oxides containing uranium and alkaline earth metals. 373287
Sud'ina, G.F.
Theory of extraction of alkali metal halides from concentrated aqueous solutions by alcohols. 349250
Suda, T.
Effect of pions on germ cells and occurrence of mutations. (LA-tr – 77-67) 379006
Evidence for the F meson. 353947
Measurements of tau decay modes and a precise determination of the mass. 372505
On the origin of inclusive electron events in e^+e^- annihilation between 3.6 and 5.2 GeV. 353772
On the semileptonic decay of charmed hadrons. 356496
Sudan, R.N.
Stability of high energy focused ion beams for pellet fusion in target chamber. (ORO – 5000-4) 361633
Sudano, J.P.
On the possible eigenoscillations of neutral sheets. (INPE-RI – 265) 364159
Sudar, S.
Diffusion of ^{24}Na in polycrystalline aluminium. 367134
Sudarshan, E.C.G.
Time evolution of unstable quantum states and a resolution of Zeno's paradox. 358644
Sudarsono, B.
First steps toward a nuclear power program: the Indonesian experience and prospects. 360869
Sudbo, A.S.
Molecular beam studies on multiphoton dissociation of polyatomic molecules. (LBL – 6275) 358748
Sudhakar, Ch.
A non-destructive method for the determination of lanthanum and copper using a low-flux neutron source. 349187
Sudnik, M.V.
Inhibition of radiation-chemical oxidation of n-octane by stable iminoxyl biradicals. 378545
Sudo, Kenji
Some considerations on electron beam welding of heat-resistant superalloys for nuclear plants. 359885
Sudo, M.
Renal hemodynamics in uranyl acetate-induced acute renal failure of rabbits. 360352
Sudo, Masayuki
Radioactivity surveillance in the marine environment around the reprocessing plant at Tokai. (PNCT – 831-77-01) 378895
Sudo, S.
High-temperature high-quality deuterium plasma production by laser beams and interactions with magnetic fields. 377529
Re-thermalisation and flow of laser-produced plasmas in a uniform magnetic field. 377551
Sudo, Yukio
Data report on series 3 reflood experiment. (JAERI-M – 6983) 350222
Report on series 3 reflood experiment. (JAERI-M – 6981) 350229
Sudoh, Takashi
Data report on series 3 reflood experiment. (JAERI-M – 6983) 350222
Report on series 3 reflood experiment. (JAERI-M – 6981) 350229
A study on quench phenomena during reflood phase, 1. (JAERI-M – 6984) 350230
Sudou, Kouzou
Flow of liquid metals with a transversely applied magnetic field, (8). 373986
Sudraud, M.
Experimental evidence for interactions between elementary excitations in liquid ^{4}He below 1 K. 353745
Sudraud, P.
Contribution of field effects to the achievement of higher brightness ion sources. 379379
Suehiro, Kazuyasu
Improved liquid waste processing system of PWR plant. 355644
Suehiro, Teruo
(p,d) reactions at 52 MeV, 3. 354247
Suematsu, Shigeru
Preventive method against corrosion of reactor piping. 379627
Suemoto, Z.
An empirical statistical model for the formation of the cores of chromospheric Fraunhofer lines. 356325
Suemoto, Zenzaburo
Infrared spectral observation of stars. 349009
Observation of the centre-to-limb variations of the sun in the vacuum ultraviolet region. 353705
Suen, B.
Ionization energies of the hydrogen molecule ion in strong magnetic fields. 355896
Suenaga, M.
Demountable low stress high field toroidal field magnet system for tokamak fusion reactors. (BNL – 23165) 371991
Suess, A.
Experience with a sewage sludge radiation plant. (INIS-mf – 4220) 379414
Suess, S.T.
Slow shocks in the interplanetary medium. 359153
Solar polar coronal hole – a mathematical simulation. 364410
Suetin, P.E.
Diffusion of helium and neon isotopes in rubidium chloride single crystals. 374718
Suetsugu, Teruo
Development and installation of 500kV oil-filled cable. 368126
Suffern, J.S.
Physical effects of entrainment: current research at ORNL. (ORNL/TM – 5948) 357521
Temperature influences on growth of aquatic organisms. (CONF-770516 – 9) 362595
Suffern, K.G.
When do star clusters have unphysical distribution functions. 356326
Suffert, M.
Evidence for bound states in the anti pp-system. 377811
Evidence for narrow bound states related to the panti p system. 377817
Remeasurement of the $\Delta T = 1$ γ-decay from the 16.6-16.9 MeV states in ^{8}Be. 362088
Sugahara, R.
Inclusive Λ, anti Λ and Σ^{+-}(1385) production in 405 GeV/c pp interactions. 377810
Sugahara, Tsutomu
Hyperthermia and anoxic sensitizer in tumor radiotherapy. 378980
Radiation and aging. 354749
Sugai, H.
Enhanced heating of mirror-trapped ions under an instability around ion-cyclotron frequency. 356112
Ion wave excitation by radiation pressure in a plasma waveguide. 372044
Sugai, I.
A new technique for preparation of targets of powdered materials. 354380
Sugamoto, A.
Infrared structure of non-Abelian gauge theories. 363848
Sugano, Kaoru
Studies on the translocation of ^{14}C-labelled photosynthates, (1). 349876
Sugano, Yusuke
Nuclear fuel assembly. 360841
Suganuma, Nobuo
Radiotracer experiments on lignin reactions, 2. 379424
Sugar, R.L.
Ordered phase in Reggeon field theory. 358638
Sugar, S.
On particle multiple production following nuclei collisions at energies higher than 10^{12} eV. 377829
Sugarbaker, E.
A search for integrally charged quarks. 377788
Sugarbaker, E.R.
Proton intrinsic states in ^{153}Pm, ^{163}Tb, and ^{169}Ho studied via the (d,^{3}He) reaction. 372818
Sugasaka, Kazuhiko
Adsorptivity of uranium by aluminium-activated carbon composite adsorbent. 349325
Complex crystals formed in the aqueous solution of copper(I) iodide and sodium iodide. 367135
Properties and uranium adsorptivity of the aluminium-activated carbon composite adsorbent and aluminium hydroxide. 378469
Sugata, Y.
Radioactive mercury vapor generating and exposing system for small scale animal experiments. 367602
Sugawa, M.
Behaviors of absolute instabilities of electrostatic ion cyclotron waves in an ion beam-plasma system. 356161
Sugawa, Masao
Observation of nonlinear Landau damping of electrostatic waves in an electron beam-plasma system. 359024
Sugawara, H.
Discrete symmetry and Cabibbo angle. 372469
Sugawara, K.
EPR studies of the valence states of thulium in thulium

monochalcogenides. 367293
Sugawara, Kaoru
Water analysis of ATR fuel rod by gravimetry. (PNCT – 831-76-01) 379707
Sugawara, M.
T/sub >/giant resonance in ^{142}Nd via the reaction ^{142}Nd(e,e'p). 364822
Sugawara, Masatoshi
Double blind test of L-cysteine for protection against radiation-induced side effects in man. 367531
Sugawara, Tohru
JFT-2 tokamak neutral injector and preliminary results of additional heating experiment. (JAERI-M – 7043) 366634
Sugawara, Yasushi
Quantitative analysis of hydrogen in titanium with an ion microanalyzer. 359567
Sugawara, Yukio
End plug welding of fuel elements for prototype advanced thermal reactor FUGEN. (PNCT – 831-77-01) 379723
Mechanical strength of end plug welds of FUGEN fuel rods (zircaloy). (PNCT – 831-77-01) 379724
Sugaya, R.
Behaviors of absolute instabilities of electrostatic ion cyclotron waves in an ion beam-plasma system. 356161
Sugaya, Reiji
Observation of nonlinear Landau damping of electrostatic waves in an electron beam-plasma system. 359024
Sugie, T.
Formation of a light-impurity-free plasma in DIVA. 374846
Reduction of power loss due to heavy impurities in Diva. (INIS-mf – 3963) 372098
Sugie, Tatsuo
Intensity calibration of a vacuum monochromator in a wavelength region of 1000-2000A and spectroscopic measurement in DIVA. (JAERI-M – 7217) 366635
Sugihara, Juko
Metabolic fate of timepidium bromide (SA-504). 349877
Sugihara, Masami
Diagnosis of cold thyroid nodule with ^{201}Tl scintigraphy. 367717
Sugihara, Masayoshi
Nonlinear saturation of dissipative trapped ion instability and anomalous transport. (JAERI-M – 7050) 348966
Sugihara, Ryo
Trapping and detrapping in a single wave and particle acceleration in a magnetoplasma. (IPPJ – 263) 353637
Sugihara, T.T.
Contrasting behavior of hsub(9/2) and isub(13/2) bands in ^{185}Au. 378014
Evidence for near instability against gamma deformation in ^{128}Ba. 351429
Negative-parity yrast states in ^{150}Gd. 351359
Vibrational levels in the 86-neutron nucleus ^{150}Gd. 364776
Sugikawa, Susumu
In-line gas chromatograph for analysis of UF_6 and/or F_2. 354480
Sugiman
The study of immunological effects of irradiated p. multocida vaccine in rabbits. (PPGM – L116-76) 365368
Sugimori, Hajime
Clinical experience of Sheroproct suppository in rectal damage accompanied with radiotherapy of cancer of the uterine cervix. 349769
Sugimoto, Jun
Data report on series 3 reflood experiment. (JAERI-M – 6983) 350222
Report on series 3 reflood experiment. (JAERI-M – 6981) 350229
Study on thermocouple attachment in reflood experiments. (JAERI-M – 6985) 350235
Sugimoto, K.
Spin polarization of ^{12}B in the heavy-ion reaction ^{100}Mo(^{14}N, ^{12}B)^{102}Ru. 351420
Sugimoto, Kenzo
Numatron project. 374091
Sugimoto, Masaaki
Pulsed cold neutron source of solid methylbenzene. 354018
Sugimoto, Nobumasa
Nonlinear modulation of torsional waves in elastic rod. 371888
Sugimoto, S.
New techniques for the treatment of laundry and other low-level liquid wastes. 358496
Sugimoto, Y.
Development of a laundry waste treatment system. 358488
Sugimoto, Yoshikazu
Method of storing radioactive wastes. 380018
Method of transporting radioactive slurry-like wastes. 350392
Sugisaki, K.
Stationary magnetic field configuration in non-circular cross section screw pinch TPE-1a. (INIS-mf – 3963) 372045
Sugisaki, Toshihiko
Coolant dispersing device. 368127
Sugita, Makoto
Comparative studies on mathematical analysis and graphical analysis of the xenon-133 washout curve. 354941
Sugitsue, Y.
Mining and milling for uranium in Japan. 360168
Sugiura, M.
Solar generated quasi-biennial geomagnetic variation. (N – 77-25710) 370309
Sugiura, Toshio
Ion-molecule reactions in the binary mixture of ethylene oxide and trioxane, 1. 378526
Sugiyama, Chikashi
Analysis of radioassay data using four-parameter logistic function. 360395
Sugiyama, Naofumi
Two cases of the liver disease following administration of thorotrast. 379110
Sugiyama, Sakae
Device for detecting defectiveness in a local power monitor. 350188
Feedwater control system for a nuclear power plant. 368076
Sugiyama, Y.
Outgassing rates before, during and after bake-out for various vacuum and first wall candidate materials of a large tokamak device. 369010
Suglobova, I.G.
Investigation into the influence of U_{92} chemical state on the energy of X-ray emission L-transitions. 349327
Sugonyaev, V.P.
High-voltage pulse generator for wire spark chambers. (IFVE-PEF – 75-130) 361077
Performance study of spark wire chambers in extreme regimes. 371145
Suguri, S.
Safety of light-water reactor fuel. 365586
Studies on the pressure boundary failure and the loss-of-coolant accident. 370616
Suh, P.K.
Induced radiations in spacecraft as background to gamma/x-ray measurements. 377654
Suhartono
Environmental monitoring. (PPGM – L114-76) 365613
Measurement of strontium 90 in the rain fall-out. (PPGM – L105-76) 364919
Suhonen, E.
Corrections to the Landau hydrodynamical model of multiparticle production due to viscosity. 353782
Suich, J.E.
Extensions to the Joshua GDMS to support environmental science and analysis data handling requirements. (DP-MS – 77-84) 366191
Suita, T.
Status and programme of fast breeder reactor development in Japan. 365988
Suita, Tokuo
Current status of fast pulsed reactor development and utilization. 361009
Suits, B.
Moessbauer study of Er^{3+} in ErH_3 and YH_3. 366376
Sujak, B.
Thermoluminescence of a ruby crystal colored by X-rays. 371654
Sujdak, R.J.
Formation of carbonium ions, carbanions and carbanion-pairs in irradiated solutions, and the reactivity of these intermediates. 357145
Sujkova, N.P.
Pecularities of the introduction of technetium isotopes into protein molecules using human serum albumin as an example. 373035
Sujkowski, Z.
The γ-ray quasi-continuum spectrum of highly excited nuclei investigated with a multiplicity filter. (INIS-mf – 4267) 378075
Absolute cross sections determination for ^{160}Gd(α,xn) reactions. (ZfK – 336) 364756
Isomeric states in ^{152}Dy. (INIS-mf – 4267) 378010
Positive- and negative-parity yrast bands in the transitional nucleide ^{150}Sm and the interacting boson approximation. 367007
Present status of the γ-ray multiplicity measurements. (ZfK – 336) 364825
A 4 ns high-spin isomer and a possible quadrupole-octupole coupling in ^{149}Sm. (ZfK – 336) 364798
Suk, H.C.
Single electron capture by Ar^{2+} in Ne, Ar, and Kr gases. 358838
Suk, M.
Multiplicities and forward-backward correlations in anti pp interactions at 22.4 GeV/c. 366882
Sukach, A.V.
On the anisotropy of relaxation time in Pb Te. 361410
Sukachev, A.V.
Six-channel feedback system for suppression plasma helical instabilities. (INIS-mf – 3954) 361620
Sukachov, A.V.
Dynamical feedback control of the current plasma column position and stability in toroidal systems. (INIS-mf – 3963) 371810
The wave excitation in a plasma at a helical resonance HF heating. (INIS-mf – 3963) 371808
Sukalskaya, S.Ya.
Mathematical models of strontium 90 behaviour in "water-fresh water fish spawn" system for some particular cases of radionuclide incorporation into the organism. 349802
Sukenobu, Satoru
Application of torsion vacuum microbalance to sputtering yield measurement. 371711
Sukhan, V.V.
Cadmium extraction by mixtures of heptanoic and bromine heptanoic acids with amines. 362216
Sukharev, V.A.
Extra-furnace decarbonization of metal for vacuum induction smelting. 375764
Production of iron-nickel 03Ka28MDT alloy. 349392
Sukharev, V.V.
Liquation of gases in the process of high chromium steel ingots crystallization and their distribution in the final products.

357239
Sukharev, Yu.I.
Investigation into kinetics of sorption of some radionuclides by mixed sorbents based on amorphous niobium phosphate. 369591
Sukharev, Yu.P.
Calculation of reactivity regulator differential efficiency using the Monte Carlo method. 376478
Study of albedo properties of graphite, water and iron reflectors by the Monte Carlo method. 376420
Sukharev, Yu.V.
Rapid variability of He 2 lambda 4686 line contour in the spectrum of the star EZ CMa. 377662
Sukharevskij, B.Ya.
Subsolidus structure of HfO_2-ZrO_2-CaO system. 357358
Sukhatme, U.P.
Some new aspects of high energy pp elastic scattering. 351196
Sukhinina, K.V.
Cathodoluminescence properties of Gd_2O_3-ZrO_2 oxides system activated by europium. 357000
Sukhlova, N.I.
On estimate of possibilities of fluorescence X-ray radiometric method of element analysis by means of selective X-ray radiometric logging program. 378113
Sukhodoev, V.V.
Frequency of chromosomal aberrations in rat myelocaryocytes during long-term repeated irradiation. 376114
Sukhodolov, G.M.
Current efficiency and composition of alloys during electrodeposition of copper with ruthenium impurity from sulfuric-acid solutions. 349228
Investigation of polarization curves and kinetics of electrodeposition of copper with ruthenium impurity from sulfuric-acid solutions with the method of radioactive indicators. 349227
Sukhomlin, E.A.
Drift wave excitation in the THETA-pinch high pressure plasma. (KFTI – 75-19) 377415
Experimental investigations of current discharge plasma confinement in L=1 torsatron in the region of low-frequency collisions. (INIS-mf – 3963) 371756
Sukhorukov, S.T.
Calculation of the ultrarelativistic beam structure in the classical statistics approximation for ideal gases. (ITEF – 123) 365751
Sukhotin, A.M.
Improvements in or relating to power plant coolant. (UK patent document 1489171/A/) 365815
Influence of the N_2O_4-medium and gamma-radiation on the properties of the fluorinated lubricating oils. 349604
Sukhov, A.D.
Transport and focusing of high-current relativistic electron beams onto a target. (IAEA – 200) 353515
Sukhov, A.M.
Semiautomatic system for measuring the magnetic field of an isochronous cyclotron. (JINR – 9-9545) 367963
Sukhov, L.V.
Measurement of (n, p) reaction excitation functions for lead isotopes and bismuth at neutron energy range 13.4 – 14.8 MeV. (INIS-mf – 3897) 356703
Sukhov, V.G.
Device for control of heavy charged particle range before the irradiation object. (Soviet patent document 420298/A/) 352398
Sukhovarov, V.F.
Aging of alloys conforming to intermittent precipitation mechanism. 373275
Sukhoverkov, V.N.
Ionization gage. (Soviet patent document 449267/A/) 379983
Sukhovitskij, E.Sh.
Allowance for correlations in the determination of the errors in evaluated data. (INDC(CCP) – 113/U) 356898
Analysis of angular distributions of elastically scattered neutrons on ^{235}U. (INIS-mf – 3895) 354119
Consideration of the (n,γf) process when calculating widths of radiative capture and mean cross-sections of fissionable nuclei. (INDC(CCP) – 113/U) 356659
Evaluation of neutron cross-sections for Pu^{240} in the unresolved resonance region. (INIS-mf – 3895) 354037
Evaluation of nuclear constants for ^{235}U in the neutron energy range from 10^{-4} to 15 MeV. (INIS-mf – 3895) 356804
Evaluation of nuclear constants for ^{240}Pu to construct a complete file. (INIS-mf – 3895) 354039
Evaluation of nuclear data for ^{235}U in the region of the unresolved levels. (INIS-mf – 3895) 354036
Evaluation of nuclear data on ^{241}Pu for the compilation of a complete file of constants. (INDC(CCP) – 113/U) 356805
Group constants for ^{235}U, ^{239}Pu, ^{240}Pu and ^{241}Pu; comparison with data from other libraries. (INDC(CCP) – 113/U) 356649
Resonance parameters of ^{235}U in the energy range below 140 eV. (INIS-mf – 3895) 354222
Sukhoviya, M.I.
Action of ionizing electromagnetic radiation on DNA in solution and on white blood cells. 354750
Sukhovoj, A.M.
Study on low-energy gamma rays in the ^{147}Sm (n, γ) reaction with resonance neutrons. (INIS-mf – 3897) 356860
Sukosd, C.
Study on gamma spectra of prefission in the ^{239} Pu (n,γf) reaction induced by resonance neutrons. (INIS-mf – 3896) 356905
Sukrow, S.
Automation of nuclear power plants. 1. 374185
Sul'kin, A.G.
Apparatus for gamma-radiation therapy. (Soviet patent document 405237/A/) 350041
Sul'kin, G.A.
Apparatus for gamma-radiation therapy. (Soviet patent document 405237/A/) 350041
Sul'zhenko, V.K.
High-temperature properties of eutectic alloys with titanium diboride. 378732
Structure and tensile properties of niobium-zirconium nitride alloys. 349440
Sula, M.J.
Use of a computer to provide a statistical evaluation of effluent sampling program data. (UNI-SA – 44) 351982
Sulaberidze, V.Sh.
Pressure excursion in compacted UO_2 fuel elements at a reactor's first bringing into power. 379576
Sulaiman, A.H.
Szekeres's space-time have no killing vectors. 353668
Sulajmankulov, K.
Erbium bromides-acetamide-water and erbium acetate-selenocarbamide-water systems at 30 deg C. 351464
Study of dithiocarbamides of zinc and cadmium acetates by means of infrared spectroscopy and differential thermal analysis. 354341
Sulak, L.R.
Observation of elastic neutrino and antineutrino scattering and parity violation in the weak hadronic neutral current. 353995
Sulebele, G.A.
Fate of Staphylococcus aureus in radiation sterilized model food systems simulating dairy products. 349830
Suleiman, M.
Investigations of mineral insulated cables exposed to high temperature and intense gamma radiation. 373334
Suleiman, Y.M.
Dose-response curves of gamma-irradiated purine and pyrimidine powders. 352006
Sulejmanov, A.S.
Electrochemical properties of titanium-ruthenium alloys in the processes of anodic synthesis. 378411
X-ray study of interphase migration of lanthanum cations in zeolite-containing catalysts. 378412
Sulejmanov, Z.I.
Investigation of In_2Se_3 by the x-ray diffraction and thermographic methods. 359924
Sulic, M.
Spacer grid for rod-shaped fuel elements and control rods in nuclear reactors. 355321, 355375
Sulin, V.V.
Effect of the features of γ-spectrometric detectors on the threshold sensitivity of nuclear physical methods in elemental analysis of samples of rocks and ores. 354685
Investigation of space-time distribution of slow photo-neutrons by the reservoir model. 367354
Sullivan, A.H.
Determination of Relative Biological Efficacy (RBE) and Oxygen Enhancement Ratio (OER) for the entire negative and positive pion beam profile using Vicia faba roots and Drosophila embryos as biological model systems. (LA-tr – 77-75) 378994
Effect of pions on germ cells and occurrence of mutations. (LA-tr – 77-67) 379006
Effects of negative pions and neutrons on the growth of Vicia faba bean roots. 373505
Sullivan, E.M.
Biomedical and Environmental Research program of the LASL Health Division. Progress report, January – December 1976. (LA – 6898-PR) 378440
Sullivan, J.C.
Kinetic study of the reduction of neptunium (VII) and americium (VI) by bromide ion in aqueous perchlorate media. 365020
Studies of tumor metabolism. 373635
Sullivan, J.D.
Comparison of solar wind streams and coronal structure near solar minimum. 351058
The plasma experiment on the 1977 Voyager Mission. 374882
Sullivan, L.
The calculation of angular neutron spectra from the thick target Li(p,n) source. (AAEC/E – 424) 362093
Sullivan, M.F.
Gastrointestinal abosrption of radionuclides by the neonatal rat, guinea pig and swine. (BNWL – 2100(Pt.1)) 360354
Gastrointestinal absorption of alfalfa-bound plutonium-238 by rats and guinea pigs. (BNWL – 2100(Pt.1)) 360356
Gastrointestinal absorption of transuranic elements by rats. (BNWL – 2100(Pt.1)) 360353
The long-term effects on normal tissue of an intracavitary treatment with californium-252. 379042
Prevention of death from ingested ruthenium-106 by colectomy. (BNWL – 2100(Pt.1)) 360355
Sullivan, M.K.
Search for narrow resonant states in e^+e^- collisions near 6 GeV. 351208
Sullivan, R.P.
As low as is reasonably achievable (ALARA) studies relative to the NWTS program. (Y/OWI/SUB – 77/42509) 379320
Sullivan, S.N.
Specific localisation of neurotensin to the N cell in human intestine by radioimmunoassay and immunocytochemistry. 357704

Sullivan, W.G.
Reliability estimation for multiunit nuclear and fossil-fired industrial energy systems. (ORNL/TM - 5837) 363433
Sulstisky, M.T.
Blowdown of a recirculating loop with heat addition. 376502
Sultan, P.
Applicability of the Reactor Safety Study (WASH-1400) to LMFBR risk assessments. (CONF-761001 - P2) 362909
Sultankhodzhaev, A.N.
Investigation into radon concentration in exploration for petroleum and gas. 357502
Sultanov, A.S.
Application of natural zeolites of Uzbekistan for purification of low-active sewage. 359762
Use of natural Uzbekistan zeolites for purification of low-level liquid waste. 354411
Sultanov, B.
Activation cross-sections of nuclear reactions leading to oxygen-14 radioisotope. 349146
Sultanov, S.
Temperature dependence of the Hall coefficient and thermo-electromotive force in $CdTl_2Se_4$ monocrystals. 367136
Sultanov, S.A.
Determination of lower limits of terrestial rservoir characteristics. 354678
Sultanov, S.F.
The processes of the neutrino-antineutrino pair photoproduction on the electron in the framework of the Weinberg-Salam theory. 375029
Sultanov, T.I.
Investigation into some physical properties of alloys in the region of solid solution in the system Ce_2Se_3-$SnSe_2$. 378698
Sulton, A.L. Jr.
Stability of neoclassical EBT operating points. 371942
Sulyaev, R.M.
Direct muon production in proton-nucleus collisions at 70, 50 and 35 GeV. 353942
Sumantono, K.
Hot facility of the Bandung Reactor Centre. 360702
Sumarokov, V.N.
Corundum crucibles for aluminium evaporation in vacuum. 351832
On kinetics of alloy evaporation in vacuum. 369971
Production of niobium and niobium-germanium superconductive films by vacuum deposition. 369874
Sumarokova, N.V.
On the interaction of vaporous chlorides of niobium and tantalum with water vapors. 351574
Study of the process of surface alloying of nickel alloys with tanthalum using contact or noncontact technigue. 357296
Sumerlin, N.G.
Xenon and krypton isotopic abundances in African pitchblende. 378878
Sumida, Isao
Measurement of impurity concentration in sodium by automatic plugging indicator. 361091
Sumida, Naoto
Anomalous transmission of electrons at high energy. 353421
The effect of reflecting condition on the secondary defect formation in copper by electron irradiation. 353491
Sumikawa, M.
Inelastic thermal transient analysis of tubesheets. (IWGFR - 11) 355477
Suminova, V.P.
Method of calculation of the absorbed dose distribution by layer solidification of binder electron accelerators. (INIS-mf - 4194) 376287
Sumita, Kenji
Current status of fast pulsed reactor development and utilization. 361009
Neutronics experiments of D-T fast neutrons by application of associated particle method. 359028
Sumiyoshi, Hiroyuki
Slope-mass correlation in nucleon diffraction dissociation. 359293
Summers-Gill, R.G.
The spins of low-lying states of ^{60}Co. 378069
The structure of low-lying states of ^{60}Co. 378068
Summers, A.D.
Criticality safe tank design analysis. 360703
Summers, D.D.R.
Electron and ion heating by neutral injection in DITE tokamak. (INIS-mf - 3963) 353553
Summers, G.P.
Electronic structure of defects in oxides. Progress report, December 1, 1976 - November 30, 1977. (ORO - 4837-4) 373388
Summers, J.R.
Cold welding of aluminum for encapsulation of nuclear fuel. 370843
Summers, M.A.
Optical engineering problems associated with construction of the Shiva Laser Fusion Facility. (UCRL - 80004) 361546
Summers, R.J.
The effects of labetalol (AH 5158) on metabolism of ^3H(-)-noradrenaline released from the cat spleen by nerve stimulation. 367603
Sumner, R.L.
Measurement of the angular correlation parameters in the BETA decay of polarized Λ hyperons. (COO - 1545-215) 364585
Search for quarks produced with large transverse momentum in 400-GeV proton-nucleus collisions. 359331
Test of scaling in muon-pair production by hadrons. 366878
Sumorok, K.C.T.O.
Energy-dependent cross sections for K^- neutron interactions in the CM energy range 1750-2200 MeV from five K^- deuterium bubble chamber experiments. 356500
$f^0(1270)$ production in the reaction $\pi^-p \rightarrow \pi^+\pi^-n$ at 12 and 15 GeV/c. 372501
Sun-Tszin-Yan, G.Ya.
Search for new short-lived particles in 70 GeV/c proton collisions with nuclei of photoemulsion. 369352
Sun, C.N.
Theoretical tornado vortex model for nuclear plant design. 357821
Sun, C.R.
Investigation of π^+Ne and π^-Ne interactions at 10.5 GeV/c. 372541
Sun, F.F.
Radioimmunoassay for thromboxane B_2. 362770
Sun, J.C.
Rotational excitations in e + H_2 scattering at intermediate energies. 358724
Sun, M.
Inclusive spectra in anti pp interactions at 22.4 GeV/c. 353941
Sun, R.J.
Possibility of triggering earthquakes by injection of radioactive wastes in shale at Oak Ridge National Laboratory, Tenn. 374451
Sun, S.-S.
Pb and Sr isotopes in volcanic rocks from the Aleutian Islands and Pribilof Islands, Alaska. 375990
Sun, T.C.
Fracture toughness of boron aluminum composites. 357334
Sun, Y.H.
Fuel-clad stress - strain state at the beginning of a transient. (CONF-761001 - P3) 365614
Meltdown phase for an LMFBR loss of heat sink during shutdown. 352190
Sunamori, S.
Observation of the azimuthal angle of T-D mode induced scattering from ion sound wave parametrically excited in T-D resonance. 356117
Sunandana, C.S.
ESR of NH_3^+ in x-irradiated rubidium and caesium sulphate crystals. 366453
Sunayashiki, Tadashi
Dosimetry of fast neutrons from T(d, n) reaction neutron generator. 374319
Sunchugashev, M.A.
Gamma spectrometric study of WWER type spent fuel assemblies. 368140
Sundaram, A.K.
Effect of an electron beam on pump-driven quasi-modes. 372027
Sundaram, C.V.
Corrosion problems in nuclear power plants - types, analyses and remedial measures. 379606
Sundaram, K.
Multigeneration feeding studies with an irradiated animal feed. 352150
Studies on the possible mutagenicity of irradiated diets in rodents. 352143
Sundaram, R.
One dimensional superconductivity : Finite temperature singularity from the renormalization group theory. 366814
Sundaram, R.K.
A phenomenological correlation for post-CHF heat transfer. (PB - 269686) 365532
Sundaram, S.
Effects of implantant depth distribution on photoluminescence spectra in Be-implanted GaAs. 367325
Sundaram, V.K.
Criticality calculations by source-collision iteration technique for cylindrical systems. 363389
Sundararajan
Human serum albumin microspheres for lung imaging. 373029
Sundararaman, V.
Monte Carlo calculations on dose distributions from plane infinite oblique electron sources. 361925
Sundaresan, M.K.
Muon catalysis of hot fusion. 350866
Sundaresan, R.
A polarographic study of methionine complexes of cadmium and indium. 367115
Polarographic study of methionine complexes of cadmium in mixed solvents. 367116
Sundelin, R.M.
Parallel coupled cavity structure. 363352
Sunder Rajan, N.S.
Long-term planning for management of aqueous wastes from fuel reprocessing plants. 358537
Management of radioactive waste. An overview of the Indian programme. 368387
Nuclear industry - challenges in chemical engineering. (INIS-mf - 4166) 375789
Nuclear-powered agro-industrial complexes for optimum energy utilisation. 350412
Separation and recovery of long-lived fission products on inorganic exchangers. Part II : separation of cesium on ferrocyanide molybdate. (BARC - 888) 375750
Studies on the immobilisation of sulphate-bearing waste PbO-B_2O_3-SiO_2 system. (BARC - 951) 376762
Sunderman, F.W. Jr.
Mechanisms of dissolution of nickel subsulfide in rat serum. 352109

Sundermann, H.
Measuring probe for determining the oxygen content of gases, vapours and liquids, particularly liquid metals. (German (F.R.) patent document 1798002/C/) 375584
Sundqvist, B.
Precise measurements of the elastic n-d differential cross section at low energy. 366962
Sundrehagen, E.
Technetium complexes with 2-thio-acetic acid, 2-thio-propionic acid, 2-thio-isobutyric acid and 2-dithio-succinic acid. (INIS-mf - 4010) 369764
Sundstroem, B.
On the decay of ^{122}Sn. (USIP - 77-22) 354151
Sundstrom, E.D.
Citizens' views about the proposed Hartsville Nuclear Power Plant: a survey of residents' perceptions in August 1975. (ORNL/TM - 5801) 349904
Sung Dahm Oh
The cross sections for 1s-2p excitation by electron impact. 353367
Sung, T.Y.
Considerations of the recycle time for radioactive titanium alloy structures. 377461
Neutronics studies of the gas-carried lithium oxide cooling - breeding fusion reactor blanket and shield. 361513
Radioactivity calculations in fusion reactors. 359025, 364253
Use and performance of graphite and metal ISSECs in tokamak fusion reactors. (UWFDM - 202) 377333
Sunier, J.W.
Design and performance of a heavy ion detector using a gridded ionization chamber with helical position-sensitive proportional counter. (LA - 6843-MS) 361050
Proton hole states in ^{187} ^{189} ^{191}Re investigated by the (t(pol),α) reaction. 354205
Sunka, P.
Plasma heating and ion acceleration by a relativistic electron beam - REB accumulation. (INIS-mf - 3963) 372046
Sunko, D.E.
Hyperconjugation and the angular dependence of BETA-deuterium isotope effects. 362217
Sunta, C.M.
Preparation and dosimetric properties of BeO discs using thermally stimulated exoelectron emission. 355561
Thermoluminescence mechanisms in lithium fluoride. 365236
Sunyaev, R.A.
Evaporative winds in x-ray binaries. 350980
Small scale fluctuations in the microwave background radiation associated with the formation of galaxies. 366764
Young galaxies, quasars and the cosmological evolution of extragalactic radio sources. 366725
Suo-Antilla, A.J.
Natural convection in horizontal fluid layers. (PB - 267376) 357822, 361475
Suomi, V.E.
Voyager imaging experiment. 374966
Suonio, S.
Comparison of sup(113m)In and ^{133}Xe i.v. injection methods for evaluation of placental blood flow. 373680
Supe, S.J.
Dose function for beta dosimetry. 363079
Experiences in the country-wide radiological protection surveys in India. 349913
Suponitskaya, I.I.
Effect of inhibitors on corrosion behaviour of stressed steel-20 in hydrochloric-acid and citric-acid solutions. 351659
Suppan, A.
Development of a radionuclide method of mass flow measurement in non-steady state multiphase flows. (KFK - 2435) 357890
Suprunenko, A.N.
Environmental aspects of fast reactor fuel reprocessing. (IAEA-AG - 63-24) 362926
Suprunenko, K.A.
Action of fast electrons on crystallizable polymers in heterogeneous systems. 369785
Investigation of filled polyethylene radiolysis at room temperature. 349346
Investigation of radiation cross-linking of polyethylene in heterogeneous systems. 354424
Role of active centers of solids in radiation chemical transformations of heterogeneous systems. 373094
Suprunenko, V.A.
Anomalous electrical conductivity and turbulent heating of plasma in closed magnetic traps. (KFTI - 74-36) 348905
Drift wave excitation in the THETA-pinch high pressure plasma. (KFTI - 75-19) 377415
Electron thermal conduction of current-carrying plasma in stellarators. (KFTI - 74-36) 348976
Experimental investigations of current discharge plasma confinement in L=1 torsatron in the region of low-frequency collisions. (INIS-mf - 3963) 371756
Short descriptions of thermonuclear facilities of Physical-Technical Institute of Academy of Sciences of Ukrainian SSR. (KFTI - 74-39) 377552
Suprunov, V.A.
Corrosion-electrochemical behaviour of Mo_2C in sulphuric acid solutions. 354466
Suprunovich, V.I.
Biamperometric consequent titration of multicomponent systems with thiooxine. (INIS-mf - 4192) 375371
Sur, P.
Effect of ultra-violet radiation on the liposomal membrane. 376064
Sural, D.P.
Faddeev-Yakubovsky equations for two distinct pairs of identical particles. 351308
Suramanov, R.F.
Accurate control system of angular displacements providing the inertialess shaping of an error signal. 379994
Suramlishvili, G.N.
On the Mandelstam-Brillpuin scattering in the presence of Langmuir oscillations. (INIS-mf - 3255) 350953
Suran, J.
Method of phosphate glass production. (Czechoslovak patent document 156843/B/) 371079
Surani, M.A.H.
Effect of dibutyryl cyclic AMP and oestradiol on incorporation of [^{3}H] leucine into the proteins of luminal fluid of the rat uterus. 360357
Suransky, F.
Steam generators of sodium cooled fast reactors. 350265
Suranyi, P.
Inelastic strong interactions at high energies. (COO - 2978-2) 372490
Suratman
Environmental monitoring. (PPGM - L114-76) 365613
Measurement of strontium 90 in the rain fall-out. (PPGM - L105-76) 364919
Surbeck, H.
Positron annihilation in the solid electrolyte $RbAg_4I_5$. 377292
Positron lifetime in silver bromide. 377293
Surdzhijski, V.T.
Experimental study on interaction of ultracold neutrons with metals and gases. (INIS-mf - 3895) 353448
Surdzhijskij, V.T.
Investigation of the very cold neutron cross section for some metals and gases. 375083
Surendran, S.T.
Studies on in vivo calibration of a plutonium lung monitor. 371137
Surin, I.G.
Spectrophotometric studying complexing in lantanide-arsenazo 3-complexon 3-non-rare earth element systems. (INIS-mf - 4192) 375585
Surin, S.A.
Low-temperature deuterium - hydrogen exchange at irradiated silica gels containing transition element ions. 373095
Surina, A.G.
A relationship between changes in the hydroxyproline and lipid content of rat lungs and the amount of plutonium administered. 349793
Surina, I.I.
Mathematical investigation of fission cross-section single-level analysis in the resonance neutron region. (INIS-mf - 3895) 354120
Surinov, B.P.
Esterases of the blood serum, liver, and small intestine mucosa of rats after γ-irradiation. 370370
Isoenzymes of acid phosphatase of the rat liver after gamma radiation at different doses. 370334
Suris, A.L.
Thermodynamical analysis of the zirconium nitride production process from tetrachloride. 349259
Surkes, M.
National supervision of radionuclide users in Israel. (INIS-mf - 4052) 373901
A safety device for gamma ray source containers. 357873
Surkov, A.V.
Providing for the necessary quantity of delta-ferrite in metal of austenite-ferrite welds. 375798
Surkov, E.L.
Two remarks about the computation of nuclear matter energy in the hyperspherical basis. 354052
Surkov, S.Ya.
Vacancy porosity in metals irradiated with accelerated Fe ions. (JINR-R - 14-8801) 349586
Surkov, Y.A.
Gas-analysis equipment of the automatic interplanetary stations Venera-4, 5, 6 and 8. 372281
Surkov, Yu.A.
Method, equipment and main results of the measurement of the Venusian rock density on 'Venera-10'. 373965
Nuclear interactions of cosmic rays with the Mars atmosphere and rocks according to data of the Mars-5 space vehicle. 356327
Surles, J.R.
Localized radiation grafting of flame retardants to poly(ethylene terephthalate). I. Bromine-containing monomers. 365067
Surma, M.
Kinetics of the permeability of phosphate ions across the protozoans membranes and chromate ions through the human red blood cell membranes. 367550
sup(99m)technetium-unithiol complex, a new pharmaceutical for kidney scintigraphy. Pt. 2. 354945
Surman, P.L.
Gas-side corrosion in AGR boilers - a chemist's prescription. 369814
Surmilo, B.G.
Titanium nitride vapor deposition with the use of titanium tetrachloride. (INIS-mf - 4046) 369880
Surov, L.M.
Cross-section of gamma-quantum production in inelastic interaction of 14 MeV neutrons with some light, intermediate and heavy nuclei. (INIS-mf - 3897) 356711

Surowiec, J.
Analysis of pure tantalum and niobium performed by mass spectrometer with a spark ion source. 375372
Surpateanu, G.
Study by electron paramagnetic resonance of the radiolysis of pyridine N-oxide in a vitreous methanol matrix. 362277
Surprenant, M.
Apparatus for the investigation of radiation creep in metals. 360075
Irradiation creep of Zircaloy under proton bombardment. 360845
Surrey, A.J.
Energy policy, strategies for uncertainty. 371221
Survila, V.Yu.
Effect of turbulence on heat transfer while transverse stream-lining of a cylinder at critical Re's. (INIS-mf – 3957) 363109
Surzhenko, A.N.
Effect of metal oxide additions and pH value on condensation of formaldehyde to carbohydrates on lead catalyst. 369629
Sus, F.
Destructive and non-destructive methods for controlling nuclear materials for safeguards purposes in Czechoslovakia. 371286
Sushchenko, A.N.
High time resolution and high output current photomultiplier. 358409
Sushchinskij, M.M.
Temperature dependence of Raman spectra of Basub(0.25)Srsub(0.75)Nbsub(2)Osub(6) crystal. 358898
Sushkevich, L.N.
Recovery of small intestine mucosa of rats in acute radiation sickness of the intestinal type. 349745
Sushkevich, T.N.
Luminescence of laminated crystals. 371564
SnI_2 optical properties. 348788
Sushkov, V.S.
Successive approximations method in electron-photon shower theory. 362607
Sushma Agrawal
Synthesis and ion-exchange properties of cerium(IV) molybdate. 367132
Susic, V.
Paradoxal sleep deprivation: Effect on incorporation of (^{35}S) sulphate into rat brain acid mucopolysaccharides. (INIS-mf – 3939) 357625
Susini, A.
Design and operation of the rf-system for the VICKSI cyclotron. 363353
Susino Bueno, A.
Shape of the Hα emission line in non resonant charge exchange in hydrogen plasmas. (JEN – 398) 368995
Suski, J.
Ionization enhanced annealing in phosphorus implanted silicon. 368882
Suslenko, V.K.
Relativistic kinematics of collision reactions $p_1+p_2 \rightarrow$qsub(j)+qsub(k)+qsub(l) and extraction of dynamical information from experimental data. 356461
Suslick, K.S.
Isotope separation by photochromatography. (US patent document 4,010,100/A/) 354381
Suslikov, V.I.
Perculiarities of the toxicity and radioprotective activity of aminopropyl aminoethyl thiophosphate. 379045
Toxicity and radioprotective action of a complex of sulphur-containing substances. 370378
Suslin, A.P.
Cold-rolled sheets production of stainless martensito-ageing steel smelted by vacuum arc and electroslag techniques. 349412
Suslina, L.G.
Exciton spectra and band structure of Znsub(x)Cdsub(1-x)S mixed crystals. 348850
Luminescence of Znsub(x)Cdsub(1-x)S mixed crystals in conditions of resonance excitation. 371691
Resonance combination light scattering on longitudinal optical phonons in mixed crystals. 350743
Suslov, A.I.
Study in ion composition on a plasma produced by CO_2 laser radiation. 370736
Suslov, A.P.
Registration of ionizing radiations by change of ponderomotive forces in the electric field. 350342
Suslov, V.A.
"Aurora-2", "Aurora", "Electron-4" high-voltage accelerators. (INIS-mf – 4194) 376348
Operation experience of the industrial high-voltage "Electron" type accelerators and prospects for their modification. (INIS-mf – 4194) 376347
RT-series electron accelerators. (INIS-mf – 4194) 376350
Susskind, H.
Kinetics of inhaled krypton in man. 370397
Susskind, L.
Confinement and the hadron spectrum in Yang Mills theories. 351197
Suszycki, L.
Production of π^0 mesons in K^+p interactions at 8.2 GeV/c. 353936
Sutcliffe, W.G.
BBC users manual. (UCID – 17124(Rev.1)) 377847
Suter, H.
Charged current differential distributions in the Caltech-Fermilab γ-experiment. 353931
A detector for high-energy neutrino interactions. 379899
Is there a high-y anomaly in antineutrino interactions. 351222
Like-sign dimuon events produced in narrow-band neutrino and antineutrino beams. 356512
A measurement of the neutral current coupling in neutrino inclusive reactions. 353932
Measurement of the neutral to charged current cross section ratio in neutrino and antineutrino interactions. 361888
Observation of a neutrino event with four energetic muons. 372525
Observation of trimuon events produced in neutrino and antineutrino interactions. 356511
Study of inclusive neutral current interactions of neutrinos and antineutrinos. 369377
Suter, K.
Effect of pions on germ cells and occurrence of mutations. (LA-tr – 77-67) 379006
Suter, M.
Comments on the reported discovery of primordial superheavy elements. 378184
Z-dependence of the position of MO X-ray anisotropy peaks. 377123
Sutey, A.M.
Requirements for a helium-cooled blanket heat removal system development facility for fusion reactor research. (BNWL – 2301) 366636
Suthar, K.M.
Cosmogenic and radiogenic noble gases in the Dhajala chondrite. 357464
Sutherland, A.A. Jr.
Analysis of nuclear waste management. (UCRL – 13766) 363662
Sutherland, B.M.
Human leukocyte photoreactivating enzyme. 360294
Sutherland, C.D.
Lagopedo: two F-region ionospheric depletion experiments. (LA-UR – 77-2743) 378939
Sutherland, D.G.
High momentum transfer processes in confinement theories. 351198
Sutherland, H.H.
Indium polytelluride In_2Te_5(II). 370069
Sutherland, H.J.
Acoustic diagnostic techniques for post-accident heat removal experiments. (CONF-761001 – P4) 363023
Erosion rate measurements using an acoustic technique. 352298
Large scale sodium interactions. Part 2. Preliminary test results for limestone concrete. (SAND – 77-1059C) 367797
Large scale sodium test facility. (SAND – 77-1421C) 373834
Sutherland, P.G.
Effect of vacuum birefringence on the polarization of x-ray binaries and pulsars. 351060
Variational calculation of ground-state energy of iron atoms and condensed matter in strong magnetic fields. 351011
Sutherland, S.
D-D-T pellet laser-fusion feedback concepts. (COO – 2007-88) 361596
Sutherland, W.H.
Design principles of telecobalt collimators. 360574
Suto, Yoshimasa
Endoscopical studies on radiation proctitis using dye spraying method. 349770
Sutormin, A.I.
π^- C^{12} interaction followed by neutral particle production at 40 GeV/c. (ITEF – 6) 353933
Automatic monitoriting of the intensity of a particle beam from the accelerator target. (ITEF – 23) 350053
Characteristics of neutron scintillation counters based on photomultipliers of the type K14FS-5O and FEU-63. (ITEF – 34) 350287
Technique for absolute calibration of neutron spectrometers with time – of flight counters. (Soviet patent document 432439/A/) 358339
Sutphin, H.D.
Sub-picosecond proximity-focused visible streak camera evaluation and application. (LA-UR – 77-1872) 361584
Sutter, D.H.
Rotational spectrum, electric dipole moment, quadrupole coupling, and partial r_0-structure of 3-cyanothiophene. 353384
Sutter, H.
Calculation of solid deposits ('salt deposits') due to cooling tower plumes. 370310
Sutter, S.L.
Transport of particles through gas leaks: a review. (BNWL – 2218) 357842
Sutton, D.C.
Status of MUSL-2: the second microtron using a superconducting linac. 363147
Sutton, E.C.
Spatial heterodyne interferometry of VY Canis Majoris, alpha Orionis, alpha Scorpii, and R Leonis at 11 microns. (N – 77-27049) 377655
Sutton, J.
Yield properties of solvated electrons created by the γ radiolysis of hexamethylphosphorotriamide. 359790
Sutton, S.B.
Investigation of pressure transient propagation in pressurized water reactor feedwater lines. (UCRL – 52265) 374224
Sutula, R.A.
The density, electrical resistivity and Hall coefficient of Li-B alloys. 378690
Sutyagin, V.A.
Thermal and radiation destruction of polysiloxane layers produced

by the electron-ray method. 375717
Suvorov, A.D.
Prospecting beryllium from a truck. 354643
Search berylometer "Beryll-4". 365268
Suvorov, A.I.
A direct measurement of the rates of formation of ppμ and pdμ molecules in gaseous hydrogen. 355866
Suvorov, A.L.
Autoelectron microscopy and emission properties of uranium. 378738
Uranium field-ion microscopy. (KFTI - 74-47) 354566
Suvorov, A.S.
Analysis of intermetallic inclusions in defective castings of the Mg-Zn-Zr alloy system. 351783
Suvorov, M.M.
Poloidal field shaping in the "Tokamak-20" facility. (INIS-mf - 3954) 361502
Suvorov, M.Ya.
Estimation of superheated steam quality by measuring the real steam temperature. (FEI - 509) 376303
Suvorov, V.M.
Optical system of the RISK facility (design). (JINR - 13-8550) 361016
Study of atomic capture and recapture of pions minus in mixtures of hydrogen with other gases. 355912
Suvorov, V.N.
Measurement of plasma-focus x-radiation spectra with resolution in time. 374851
Suvorova, S.O.
On the mechanical instability of austenite in martensitic pretransformation state. 370057
Stress effect on martensite tempering process. 349457
Suwa, Toshio
Absorption, distribution, metabolism and excretion of ^{14}C-chlorphenesin carbamate in rats. 379194
Suwa, Yoshiki
Comparison of surface sputtering characteristics by a low energy secondary ion mass analysis using a quadrupole type analyser with those by Auger electron spectrum analysis. 354311
Suyarov, U.S.
Superpropagators for exponential interactions with minimal singularities on the light cone. (JINR-R - 2-10537) 374591
Suyatin, B.D.
Relative quantum yield of luminescence of NaBr-Eu^{2+}-TR^{3+} crystals (TR^{3+} = Pr^{3+}, Nd^{3+}, Tb^{3+}, Dy^{3+}, Ho^{3+}, Er^{3+}). (INIS-mf - 3955) 378230
Suydam, B.
Fast liner proposal. (LA - 6707-P) 361625
Suydam, B.R.
Two-dimensional maximum entropy image restoration. (LA - 6897-MS) 350487
Suzuki, A.
Cavitation tests for a main circulation pump of JOYO primary circuit. (IWGFR - 9) 350255
Inclusive Λ, anti Λ and Σ$^-$(1385) production in 405 GeV/c pp interactions. 377810
T/sub >/giant resonance in ^{142}Nd via the reaction ^{142}Nd(e,e'p). 364822
Suzuki, Akira
Anatomic localization of scintillation colour image by means of simultaneous colour polaroid film photographing of emission scintiphoto and transmission scintiphoto. 349846
Residue analyses on 2-amino-4-phenylthiazole, a piscine anesthetic, in fishes, 3. 373774
Suzuki, E.
Method of fabricating composite superconductors. (US patent document 4,043,028/A/) 370719
Suzuki, Eiki
Development of cosic gamma ray detector in the vicinity of 10 MeV. 379898
Suzuki, H.
Auger-electron spectra ejected in the Ar $L_{2,3}MM$ and the Xe $N_{4,5}OO$ processes by electron impact. 377085
Auger-electron spectra ejected in the Ar Lsub(2,3)MM and the Xe Nsub(4,5)OO processes by electron impact. 358793
Differential and integral cross sections for excitations in O_2 by electron collision. 353380, 377143
Nonlinear response of graphite structures. (BNL-NUREG - 23228) 365910
Suzuki, Haruo
Di-baryon resonances and a new scheme of di-nucleon Regge trajectories. 353807
Suzuki, Hideji
Plastic flow in hcp ^{4}He, 2. 359218
Suzuki, Hideo
Some fundamental studies on the measurement of radioactivity of tritium or carbon-14 labelled substances. 355601
Suzuki, Hiroshige
High-temperature low-cycle fatigue tests on Hastelloy X. 359990
Reactions between SiC and Pd or CeO_2 at high temperatures. 373000
Suzuki, I.
Model of the radio emission mechanism in pulsars. 369126
Suzuki, I.H.
Behaviour of hydrogen atoms in the fragmentation of CH_3CD_3. 359808
Ionization efficiency curves of ethylene, ethane and acetylene by electron impact. 354455
Suzuki, Ikuro
A model of the radio emission mechanism in pulsars. (IPPJ - 286) 377623
Suzuki, K.
Time-of-flight pulsed neutron diffraction of liquids using an electron linac. 371140
Suzuki, Katsumi
Hydrogen uptake of titanium tubes in surface condenser and its prevention. 355322
Quantitative analysis of hydrogen in titanium with an ion microanalyzer. 359567
Suzuki, Katsuo
Analysis of fuel performance in core Mark-III of experimental multi-purpose very high temperature reactor. (JAERI-M - 6945) 358243
Suzuki, Kazumasa
Elemental constituent of food and the daily intake. (NIRS-M - 14) 379353
Suzuki, Kazumichi
Defectiveness detector. 368063
Inspection device for fuel rods of a reactor. 360830
Suzuki, Keizo
Effect of pressure on iodine complex with diethyl ether in n-heptane. 367120
Ion accelerator. 367980
Suzuki, Ken-ichi
Mock-up of pressure tube monitoring apparatus for the prototype heavy water moderated boiling light water cooled reactor 'Fugen'. 368188
Suzuki, Kenji
Analysis of rare earth element by electron-ray excited emission spectrometry. 359571
Structure of chain molecule in liquid selenium by time-of-flight pulsed neutron diffraction. 353470
Suzuki, Kunio
Tissue tolerance under the combination treatment of maxillary cancer. 354803
Suzuki, M.
Application of finite element method to ring compression test. 355241
The environment enhanced crack growth effects in structural steels for water cooled nuclear reactors. 354567
Fragmentation of hadrons from heavy quark partons. 361857
Suzuki, Masahiro
End plug welding of fuel elements for prototype advanced thermal reactor FUGEN. (PNCT - 831-77-01) 379723
Fabrication of a fuel assembly for an irradiation test in SGHWR. (PNCT - 831-77-01) 379725
Mechanical strength of end plug welds of FUGEN fuel rods (zircaloy). (PNCT - 831-77-01) 379724
A study on coloring and corrosion behavior of end plugs of FUGEN fuel elements. (PNCT - 831-77-01) 379715
Suzuki, Mitsuhiro
An experimental study on PWR-LOCA by ROSA-II, (2). 360920
Suzuki, N.
Generalized Jansen's perturbation theory for exchange interactions between atoms or molecules. 363928
Suzuki, Nobuo
Multielement analysis of deep-sea sediments by photon activation. 359559
Suzuki, Nobutake
The effect of NCS- on the radiation-induced decoloration of azo and anthraquinone dyes in N_2O-saturated aqueous solutions. 359809
Suzuki, S.
Involvement of membrane lipids in radiation damage to potassium-ion permeability of Escherichia coli. 378991
Measurement of polarized target asymmetry in γp→π$^+$n below 1.02 GeV. 369371
Suzuki, Shohei
A coil. 366638
Vacuum vessel in a nuclear fusion device. 366637
Suzuki, Sohkichi
Fireball emission and slope of the overlap function. 353908
Suzuki, Soji
Roentgenologic study on radius and ulna of a surgeon with skin carcinoma of the hand induced by occupational x-ray exposure. 360292
Suzuki, T.
Comments on electroexcitation of deformed nuclei. 372672
Effect of the base line shape of the unfolding of peaks in the Ge(Li) gamma-ray spectrum analysis. 355496
Microscopic study of band structure in "spherical" odd-A nuclei. (ZfK - 336) 364721
Mixing of the 0g orbit in ^{20}Ne and the analysis of a one-step forbidden transition. 354121
Propagation of ionizing waves in glow discharge. 372047
The splitting of giant multipole states of deformed nuclei. 356660
TRISTAN ep project. 363269
Suzuki, Tadakazu
A new method for nonlinear optimization problems with a few variables. (JAERI-M - 7229) 380156
Suzuki, Takao
The percutaneous absorption of ^{35}S-acetyl-L-methionine and L-serine in rabbit. 373770
Suzuki, Takehiko
Transfer angular distributions in heavy ion collisions. 349123
Suzuki, Takeo
Mock-up critical experiments for prototype fast breeder reactor 'Monju'. 350125
Suzuki, Takeshi
Water analysis of ATR fuel rod by gravimetry. (PNCT - 831-76-01)

379707
Suzuki, Toshio
Beam transfer scheme of protons in TRISTAN. (KEK – 76-19) 355210
Suzuki, Y.
A microscopic analysis of scattering of α-particles on ^{12}C. 377940
Safety-related design of MONJU. (CONF-761001 – P1) 362958
Suzuki, Yasuharu
Seismic design of electrical equipment and instrumentation for nuclear power stations. 373870
Suzuki, Yasuo
Diagnostic planning in JT-60 project. (JAERI-M – 7220) 366591
Eddy current analysis by the finite element circuit method. (JAERI-M – 7120) 366573
FIR-interferometer for JT-60. (JAERI-M – 7121) 366563
Formalization for optimal feedback control of plasma current and position in a tokamak. (JAERI-M – 7126) 371971
Radiobiological effectiveness of high LET radiation. 349756
Three-dimensional analysis of eddy current with the finite element method. (JAERI-M – 7062) 366641
Suzuki, Yutaka
Clinical investigation of myocardial scanning with thallium-201. 354963
Suzumura, Takeshi
Fuel assembly. 368122
Support tube of in-core instruments. 350145
Suzuoki, Akira
Emergency core cooling device. 379776
Studies of thermal-hydrodynamic flow instability, (2). 355323
Suzuoki, Y.
The influence of oxidation on thermally stimulated currents from trapped carriers in high density polyethylene. 351911
Svalbonas, V.
Dynamic buckling of shells: evaluation of various methods. 358611
Svalgaard, L.
Comparison of Hα synoptic charts with the large-scale solar magnetic field as observed at Stanford. 372153
The mean magnetic field of the Sun: observations at Stanford. 366750
Solar wind and interplanetary medium, ch. 13. 369212
Svanidze, L.S.
Character of spatial distribution of precipitates in a stress aged nickel-beryllium alloy. 378748
Svanstroem, E.K.A.
Method of multistage production of technologically pure metals. (Czechoslovak patent document 156434/B/) 369881
Svantesson, I.
Separation of actinides from HAW solution. (STU – 76-4120) 376759
Svavil'nyj, N.E.
Comparative characteristics of electron energy spectrum in PIG and arc type discharge plasmas. 361618
Svechnikov, V.N.
Gd, Tb, Dy, Ho, Er solubility chromium. 349545
Svechnikova, T.E.
Preparation and study of solid monocrystals of solutions based on Sb_2Te_3 and Bi_2Te_3. 369889
Svedlov, N.V.
Alloying addition effect on the structure of a titanium-niobium alloy system after thermomechanical treatment. 359940
Svenke, E.
Availability of enrichment services. 366167
Svensson, B.
A gloomy future for energy – can we afford nuclear energy. 358553
Secondary electron emission from polycrystalline copper bombarded by ions. (INIS-mf – 3996) 364037
Svensson, E.C.
Critical scattering near the percolation threshold in Mn/sub c/Zn/sub 1-c/F_2. 367312
Spin waves and central modes in crystal field systems. 378645
Svensson, L.
Primary data for estimation of absorbed doses at an atmospheric dispersion of radioactive nuclei. (FOA-C – 40047-A3) 355008
Sverbij, N.A.
Effect of titanium dioxide and cinstant magnetic field on dielectric parameters of ferrites of TiO_2-Fe_2O_3-CaO-V_2O_5 system. 365210
Sverchkov, E.I.
Investigation of mechanism of radiationless relaxation of excited states of Er^{3+}, Ho^{3+}, Tm^{3+}, Nd^{3+}, Yb^{3+} ions in glass of different composition. (INIS-mf – 3955) 378269
Sverdlov, A.G.
Contribution of the protector adsorbed by the active site to the enzyme protection against γ-radiation. 362632
Determination of the H^3-mexamine content in the organism and liver cells of mice. 360271
Interferon effect on radiosensitivity of cells. 360237
Therapeutic action of negative unipolar aeroionization on irradiated mice. 379028
Sveshkov, Yu.V.
Effect of slag-and-metal surface properties on the refining of stainless steel. 349398
On electric conductivity in melts on the base of calcium fluoride. (INIS-mf – 4193) 375586
Wettability of yttrium oxide with metallic melts. 351848
Sveshnikova, E.B.
Study of complexing between organic molecules and rare earth ions in solutions by the method of electron energy transfer. 362177
Svestka, Z.
Development of a complex of activity in the solar corona. 356252
Do changes in coronal emission structure imply magnetic reconnection. 372228
Open magnetic fields in active regions. 372282
Svetashov, P.A.
Lattice dislocation of lithium atoms implanted into cadmium sulfides. (INIS-mf – 3996) 364021
Svetlishnaya, N.A.
Radiological peculiarities of waters in faults of the Northern Kirghizia. 376030
Svetlov, A.A.
Synthesis and investigation into diammine complexes of nitrosylosmium and nitrosylruthenium. 349294
Synthesis and investigation into osmium and ruthenium triamminonitroso complexes. 349293
Svetlov, I.L.
Chemical interaction in composite materials with magnesium and ML-8 alloy base reinforced with boron fibers. 365187
Oxidation and interaction with nickel directed eutectics Ni_3Al-Ni_3Nb and Ni(Cr)/Ni_3Al-Ni_3Nb protecting coatings. 373247
Svetlov, V.M.
Small-sized electron linear accelerator in the 3-cm range for application in industry. (INIS-mf – 4194) 376351
Svetlova, G.K.
Thermal and thermal-oxidative stability of radiation vulcanizates of ethylene-propylene rubber. 362269
Svetsinskij, V.G.
Influence of zirconium on technological properties of the welding wire Sv-08G2S. 349489
Svin'in, M.P.
"Aurora-2", "Aurora", "Electron-4" high-voltage accelerators. (INIS-mf – 4194) 376348
Accelerating tubes for the "Avrora" and "Electron" type high-voltage accelerators. (INIS-mf – 4194) 376385
Power electron accelerator for industrial radiation chemistry installations (project). (INIS-mf – 4194) 376349
Present state and prospects of the development of high-voltage electron accelerators. (INIS-mf – 4194) 376366
Progress in developing radiation-chemical plants with electron accelerators. (INIS-mf – 4194) 376374
Prospects for the development of high-voltage electron accelerators for power industry. (INIS-mf – 4194) 376822
State of and prospects for the application of neutron generators in national economy. (INIS-mf – 4194) 376363
Svin'in, M.T.
Operation experience of the industrial high-voltage "Electron" type accelerators and prospects for their modification. (INIS-mf – 4194) 376347
Svintsov, N.I.
Studing structure and catalytic properties of Co-Mo-oxidic catalyst during its reduction by hydrocarbons. 378416
Svintsova, E.A.
Methods for determination and evaluation of carbonate reservoirs in deep levels (on example of Sherbakovsko-Balikleiskaya zone). 365277
Sviridenko, V.I.
Experimental study of cesium vapor thermal conductivity. 373279
Sviridov, S.I.
Estimating Baushinger effect from the reverse torsion test results. 360747
Sviridov, V.I.
Criticality of actinoid elements. 350121
Sviridov, Yu.M.
Muon flux measuring system for neutrino experiments at the IHEP accelerator. 357946
Observation of muon pairs in neutrino interactions at Serpukhov 70 GeV accelerator. 361870
Sviridova, L.N.
Hydrogen overpotential on gallium-indium and indium-mercury alloys. 357068
Overvoltage of hydrogen electrodeposition on certain liquid gallium alloys. 372975
Sviridova, V.V.
Computer-selected optimization of activation analysis methods. 364851
Svirzhevskaya, A.K.
New effects in 11 year modulation of galactic cosmic rays. 356201
Svisero, D.D.
Secondary uraniferous minerals of Linopolis (Minas Gerais, Brazil). 351953
Svishchev, V.F.
Hot rolling conditions of unyielding VZh101 chromium-nickel alloy. 369855
Structure and mechanical properties of hot rolled bands of the KhN56VMTYu heat resisting alloy. 351813
Svistun, R.P.
Experimental verification of the statistical theories of scaling factor effect in fatigue fracture of steel. 378739
On the mechanism of environment effect on the cyclic strength of steels. 359836
Svistunov, V.M.
Nonlinear changes in energy gap and phonon frequencies of indium under pressure. 353422
Svitashev, K.K.
Changes in the optical properties of silicon nitride,-oxynitride and oxide films following ion irradiation. 370160
Svitov, V.I.
Exoelectron emission under ultrahigh vacuum conditions. 354531
Thermostimulated exoemission and adsorption centres of BeO-

ceramics. 370222
Svitych, R.B.
Complexing of variable-valence metals with alcohols. 351575
Epoxidation of cyclohexene by ethyl benzene hydroperoxide in the presence of molybdenum catalyst. 378386
Svoboda, F.
Inner surfacing of pressure vessels for nuclear power engineering. 350146
Svoboda, J.
Dynamic polarization and relaxation of protons in Cr(V) complexes with higher alcohols. 354382
Svoboda, K.
Excitation functions and yields of the (d,p) reactions on natural molybdenum for deuteron energies less than 13 MeV. 369506
Svoboda, R.
Chemistry of feedwater for boiling-water and pressurized-water reactors. 379623
Svoboda, V.
Effect of liquid sodium on long-term properties of austenitic steels. (INIS-mf – 4211) 378740
Swafford, G.L.
Deflection effects in inner-shell ionization. 358839
Swain, D.W.
Proposal for a major modification to the ISX tokamak to study equilibrium and stability of externally heated high β plasmas in noncircular geometry. (ORNL/TM – 5985) 364254
Runaway modeling in ORMAK and TNS. (ORNL/TM – 5905) 350820
Swain, G.R.
Wire-scanner recentering experiment error estimates. (LA – 6959-MS) 374092
Swain, J.E.
Exploding pusher experiments utilizing a 4π illumination system. 372041
Polarization and angular dependence of 1.06-μm laser-light absorption by planar plasmas. 350896
Swakman, E.
Magnetization and specific heat in the CeTh system. (INIS-mf – 4267) 378617
Swallow, A.J.
Pulse irradiation of aqueous solutions containing ferrous and chloride ions: reaction between Cl_2^- and HO_2. 359776
Pulse radiolysis study of protoferrihaem IX intercalated in sodium dodecyl sulphate micelles. 375682
Swallow, E.C.
Measurement of the angular correlation parameters in the BETA decay of polarized Λ hyperons. (COO – 1545-215) 364585
Swami, K.C.
Effect of turbulence on the rate of energy loss by a test charge moving in a plasma. 353638
Excitations of wave modes and energy loss by a charged particle passing through a plasma sheet. 372048
Rate of energy loss by a charge moving in a turbulent plasma. 350954
Swaminathan, N.
Integrated planning for a fuel industry, with emphasis on the minimum size appropriate for fabricating one's own fuel. 365829
Swamy, S.T.P.V.J.
Inelastic scattering of 279-keV gamma rays by bound electrons in heavy atoms. 361381
Swan, T.
γ-radiolysis of methane adsorbed on γ-alumina. 351652
Swanenburg de Veye, R.J.
Uses of digital computers in nuclear power plants. 376861
Swanenburg, B.N.
New high energy γ-ray sources observed by COS B. 351024
Swank, J.
Observation program for the GSFC cosmic x-ray spectroscopy experiment. (CONF-7510169 –) 364279
OSO-8 X-ray observations of AM Herculis. 359168
OSO-8 x-ray observations of AM Hersoulis. (N – 77-27050) 377656
Swank, J.H.
Absence of detectable X rays from supercluster candidate 4UO134-11. 356304
A1540-53, an eclipsing x-ray binary pulsator. (N – 77-24025) 361669
The case for a burst from 3UO614+09. 372283
Cosmic x-ray observations with OSO-8. (CONF-7510169 –) 364404
OSO-8 GSFC results on Cen X-3. (CONF-7510169 –) 364411
OSO-8 observations of Hercules X-1. (CONF-7510169 –) 364394
Spectral characteristics of 3U1915-05, a burst source candidate. (N – 77-24026) 361670
Swanks, J.H.
Dosimetry experiment for neutron spectral characterization of the second NRC 4T-CT irradiation capsules at BSR. (CONF-771036 – 3) 365999
Heat transfer calculations for the High Flux Isotope Reactor (HFIR). Technical specifications: bases for safety limits and limiting safety system settings. (ORNL/TM – 5844) 366183
Use of fission reactors for fusion reactor first-wall studies. 358955
Swannack, C.E.
Energy measurements on fast-pulsed near-relativistic electron beams using bremsstrahlung absorption spectroscopy. 366627
Swansen, J.E.
Thermal-neutron coincidence counting of large plutonium samples. 380120
Swanson, A.L.
Radiation dosimetry for krypton-81m. 352335
Swanson, D.A.
Theory of the multiple potential well structure created by bipolar injection in spherical geometry. 371789
Swanson, D.G.
Ion resonance heating studies. Final report. (ORO – 3871-10) 361634
Mode conversion and tunneling in an inhomogeneous plasma. 364233
Swanson, E.J.
Considerations in measuring trace radionuclides in soil samples by L x-ray detection. (CONF-771023 – 20) 378877
Swanson, F.R.
Airborne detector improvement. (GJBX – 40(77)) 360165
Swanson, G.C.
Semi-automated uranium analysis by a modified Davies – Gray procedure. (HEDL-SA – 1221) 378172
Swanson, H.E.
Comparison of Sona and spin-filter polarization schemes for a Lamb-shift polarized ion source. 363360
Swanson, K.M.
Fuel element for fast nuclear reactors. (German (F.R.) patent document 1614932/B/) 352782
Operating experience with a large examination facility for irradiated plutonium fuel pins. 363124
UK irradiation experience relevant to advanced oxide fuel concepts for LMFBR's. 379813
Swanson, L.L.
Fort St. Vrain startup experience. 358267
Swanson, L.W.
Current fluctuations from various crystal faces of a clean tungsten field emitter. 378741
Swanson, M.L.
Backscattering measurements of the temperature dependence of irradiation-induced displacement of As and Sb atoms in Si crystals. 370223
The study of point defects by channeling measurements of solute atom displacements. (INIS-mf – 3996) 364128
The use of nuclear reactions and ion channeling to study trapping of Cu self-interstitial atoms by Be solute atoms in a Cu – 0.25 at.% Be crystal. 364127
Swanson, M.S.
Functional methods in non-relativistic field theories. 371440
Swanson, R.
Financing and accounting for nuclear fuel: a problem of unknown certainty. 352931
Swanson, S.
Geothermal down hole velocity measurement device. 365676
Swartz, W.E. Jr.
Interaction of scandium dideuteride with reactive gases. 359615
Swarup, G.
The flux density-angular size distribution for extragalactic radio sources. 366765
Swarup, J.
Bhabha Atomic Research Centre, Bombay. 361947
Swearengen, J.C.
Analysis of elevated temperature cyclic deformation of austenitic stainless steels. (SAND – 76-5888C) 362447
Application of mechanical state relations at low and high homologous temperatures. 357335
Sweedler, A.R.
Effect of composition on T/sub c/ in some high T/sub c/ A-15 structure superconductors. 362478
The effects of composition and order on the superconducting properties of the A-15 phase of Nb-Pt. 349497
Sweeney, D.W.
Confirmation of radiation pressure effects in laser – plasma interactions. (UCRL – 80132(Rev.1)) 371730
2660 A holographic interferometry of laser produced plasmas from tilted disk targets. (UCRL – 79775) 377332
Sweeney, M.A.
Thick-shell shock-focusing electron beam targets. 372049
Sweet, C.
The hidden costs of nuclear energy. 380088
Sweet, C.B.
Plutonium recycling. Paper 6. 365615
Ten years of nuclear power an economic assessment. Paper 3. 366151
Sweet, D.
Prognostic classification of Hodgkin disease in pathologic stage III, based on anatomic considerations. 352047
Sweet, W.
Opposition to nuclear power in Europe. 379617
Sweetman, D.R.
p-B^{11} fusion systems. (INIS-mf – 3963) 353639
Sweeton, F.H.
Precision emf measurements on protolytic equilibria with the hydrogen electrode above 100 C. 375514
Sweigart, A.V.
Comparison of observations with main-sequence evolutionary models. 372236
Sweigert, S.
Radiation sensitivity of cultured human glioblastoma cells. 362626
Swenson, D.A.
Accelerating and focusing structures for PIGMI. (LA-UR – 77-1545) 363354
Swenson, D.V.
Nonlinear analysis of the CRBR core restraint system. (IWGFR – 11) 355467
Swenson, P.A.
Continuous-flow system for large-scale ultraviolet irradiation of bacterial cells. 362643
Physiological responses of Escherichia coli to far-ultraviolet radiation. 352021

Swiatecki, W.J.
Proximity forces. 359381
Swiatkowski, W.
Angular distributions of annihilation quanta for evaporated layers of Bi and Cd and for bimetallic systems Bi-Cd. 374776
Diffusion of thermal positrons through metal-metal junctions-investigation based on the measurements of angular distributions of annihilation quanta. 364129
The possibility of using the metal-metal contact effects to investigate the slow positron diffusion. 353492
Swiderski, H.S.
New thermoluminescence techniques for mineral exploration. 375997
Swieca, J.A.
Fields and observables in the massive Schringer model. (PUC-TN – 9/76) 353146
Solitons and confinement. 353158
Spin and statistics of quantum kinks. (PUC-TN – 18/76) 350543
Swierczewska-Strojwas, A.
Early postirradiation response in lower lip carcinoma as a function of treatment parameters in iridium-192 interstitial therapy. 367559
Swift, C.D.
Performance of Argus as a laser fusion facility. (UCRL – 79816) 368994
Swift, D.A.
A flexible super conducting ac cable: radial thermal contraction and the x-ray examination of a sample length of cold core. 367927
Swift, G.M.
Bundle divertor designs for attaching direct convertors to the ILB advanced fuel tokamaks. (EPRI-ER – 536-SR) 372034
Swift, W.M.
Magnetic properties at 77 K of thin sheet Gd/sub x/Dy/sub 1-x/ alloys. 362464
Swihart, T.L.
Stellar interiors. 372284
Swindell, G.E.
Monitoring of radioactive airborne and liquid releases from nuclear facilities. 360547
Swindeman, R.W.
Effect of some thermomechanical variables on plastic flow and creep-rupture of type 304 stainless steel at 593°C. (CONF-771120 – 15) 373276
Exploratory testing in support of constitutive equation development for inelastic analysis. (IWGFR – 11) 355236
Substructures developed during creep and cyclic tests of type 304 stainless steel (heat 9T2796). (ORNL – 5293) 362465
Swinerd, G.G.
Models of the universe containing matter and gravitational radiation. 351089
On the energy of a cosmological field of gravitational radiation. 366766
Swings, J.P.
Behaviors of B star continua and absorption features determined from the TD1 S2/68 'ultraviolet bright star spectrophotometric catalogue' and from Copernicus spectra. 369229
Swiniarski, R. de
Optical model analysis for 30MeV polarized proton elastic scattering. (ISN – 77-25) 359515
Switendick, A.C.
Electronic states in the vanadium – ruthenium system. (SAND – 77-0772C) 351814
Switkowski, Z.E.
$^{9}Be + {}^{12}C$, $^{9}Be + {}^{16}O$, $^{9}Be + {}^{19}F$ reactions at energies below the barrier. 359528
Cross sections for $^{18}O(\alpha,n/sub\ 3,4/\gamma)^{21}Ne$ reactions populating the $(1/2^-,1/2^+)$ doublet. 364826
Ion-beam-induced atomic mixing. 351440
Low-energy proton reactions on ^{45}Sc of interest in stellar nucleosynthesis. 354263
A precise determination of the $^{12}C(p,\gamma)^{13}N$ reaction Q-value. 366980
Sputtering by fast electrons. 353483
Swoszowska, M.
The determination of manganese in the tea using the SAA method. 367027
Sy, W.N.
Magnetoacoustic oscillations in a current carrying plasma column. (FUPH-R – 139) 356162
The spectrum of axisymmetric torsional Alfven waves. (FUPH-R – 140) 356163
Syamal, A.
Magnetic and spectral properties of Oxovanadium(IV) complexes with tridentate dibasic ONO donor Schiff bases derived from isopropanolamide and substituted salicylaldehydes. 367137
Sych, A.M.
Investigation of rare earth titanoniobates electrophysical properties. 359701
Niobates and tantalates of trivalent elements. 351576
Tantalum hexathiocyanate complexes. 369709
Sychev, A.Yu.
Study of film data processing systems by means of a statistical simulation. (INIS-mf – 3909) 374521
Sychev, M.M.
Kinetics of reactions between solid substances in powder mixtures. 369628
Sychev, S.I.
Experiments on the water-oil contact repulsion on a model of a well using $C^{13}(\gamma,n)C^{12}$ reaction. (KIYI – 76-19) 349642
Sychev, Yu.N.
Thermal stability and pressure of saturated vapor of zirconium and hafnium acetylacetonates. 369595
Sycheva, G.M.
Formation of certain mixed cadmium complexes. 369710
Sycheva, T.S.
Heat treatment effect on welded joint structure of 22Kh3M steel. 375819
Syed, H.U.
Comparative study of insecticide residues in rice plants. 379160
Sygonyaev, V.P.
High-voltage pulse generator for wire spark chambers. 363616
Sykes, A.
Field reversal in pinches. (INIS-mf – 3963) 372051
High-β tokamaks. 359026
Sykora, J.
Interaction of tellurium with zinc, cadmium and mercury. 373653
Sylvester, W.R.
Contamination prevention of superheaters and reheaters during initial startup and operation. 369817
Sylvestre, Y.
Flow-induced vibration analysis of heat exchanger and steam generator designs. (AECL – 5826) 360824
Sylvia, B.R.
Planning and managing a refueling outage. 358167
Sylwester, B.M.
The analysis of resonance line formation in the X-ray spectrum of coronal condensations. 372285
Sylwester, J.A.
Analysis of broad-band observations of the X-ray radiation from a coronal condensation. 372286
Symarokov, V.M.
Combinatorial analysis of the balanced characteristic trees with variable branching-factor. (JINR-R – 11-9777) 376854
Syme, D.B.
Nuclear Physics Division Progress Report for the period 1st April 1976 to 31 December 1976. (AERE-PR/NP – 24) 356612
Precise energy determination for three peak cross-sections in ^{23}Na and ^{27}Al and for the 250 keV resonance in ^{6}Li. (INIS-mf – 3897) 354216
Total cross-section measurements on Fe, Ni and Ti from 10 keV to 1 MeV. (INIS-mf – 3897) 354215
Yield curves for cyclotron production of ^{123}I, ^{125}I and ^{121}I by $^{127}I(p,xn)\ Xe \rightarrow (\beta) \rightarrow I$ reactions. 376241
Symon, K.R.
Stability of BGK equilibria. (INIS-mf – 3963) 372052
Symons, G.D.
A towed sea-bed gamma-ray spectrometer for continental shelf surveys. 376002
Symons, M.C.R.
Electron spin resonance studies of superoxide ions produced by radiolysis in alcoholic media. 357146
Mechanisms for electron-capture processes. 357168
Radiation damage produced with synchrotron radiation. 365043
Radiation mechanisms. 354456
Solvation spectra. 357139
Unstable intermediates. 351647, 367173
Symons, T.J.M.
The lifetime of the 3907 keV state of ^{19}F. 353226
Measurements of the radiative widths of the first $T=1$, 2^+ state of ^{20}Ne and their relationship to analog β-decays. 354182
Syn, C.K.
Use of microstructure control to toughen ferritic steels for cryogenic use. I. Fe – Ni steels. (LBL – 5767) 351815
Synzynys, B.J.
Radiomimetic action of glyceraldehyde and dihydroxyacetone. 362628
Syrbu, N.N.
Structure of energy bands and two-phonon absorption in $CdGa_2S_4$ and $CdGa_2Se_4$ crystals. 371666
Syrkin, V.G.
Structure of tungsten coatings prepared by carbonyl method. 349550
Syromyatnikov, V.I.
Thermal stresses in the metal-silicide coating system. 369869
Syros, C.
A new description of dissipative systems in quantum statistical mechanics. 366303
Structural polynomial solution of the transport equation for critical and non-critical slabs with anisotropic scattering. 366913
Syrovatskii, S.I.
Current sheets as the source of heating for solar active regions. 372270
Syrovatskij, S.I.
Problem of the galactic halo. 356195
Pulse solar flare heating from the uv observations. 369213
Syrtsova, L.P.
Way of preparation of aqueous solutions containing ruthenium compounds. (Soviet patent document 469665/A/) 354348
Syrykh, G.F.
Effect of tantalum and tungsten impurities on the phonon spectrum of vanadium. 368883
Formation of quasilocal vibrations in dilute Vsub(1-x) Ptsub(x) alloys on strong alteration of the phonon spectrum of V. 374777
Sysoev, A.A.
Study of the intrinsic background noise of a quadrupole mass spectrometer. 371180
Sysoev, L.A.
Microstructure of near-surface layers of CdSe monocrystals doped

with copper. 369960
Sysoeva, L.M.
Kinetic effects in rhombohedral and cubic phases in GeTe-A^3Te solid solutions. 368750
Sytin, A.N.
Drift chamber with multiwire signal element and long drift distance. 358349
Sytov, V.P.
Investigating cavitation and cavitation-fatigue strength of alloys and metals at high-frequency loading. (INIS-mf – 3914) 349367
Methods for studying the cavitation-fatique strength of metals under ultrasonic frequency of loading in surfactants and at elevated pressure. (INIS-mf – 3914) 350100
Syunyaev, R.A.
Decrease of periods of binary X-ray pulsars as an indicator of normal component evolution. 369214
Life of dying stars. 349031
Multiple Compton scattering on relativistic electrons. The Monte-Carlo calculation of radiation spectrum. 374949
Plasma on the Alfven surface of accreting neutron stars and its radiation. 361741
Results of optical observations of the Cygnus X-2 and Scorpius X-1 x-ray sources. 364277
Store-discs in binary systems and their observational appearances. 369215
Syutkina, L.N.
Measurement of ^{236}U and ^{239}U compound nuclei lifetime dependence on excitation energy. (INIS-mf – 3896) 356917
Syuzev, V.N.
Experimental results with carbide fuel rods in the BOR-60 reactor. (KFK-tr – 536) 355481
Szabados, L.
HOTRAN-2. (KFKI – 77-16) 358076
Szabatin, R.
The application of the MERA-302 minicomputer to the survey of radioactive contamination of the biosphere around atomic power station. 355574
Szabo, A.
Activation analysis of trace elements in tomatoes. 372931
Determination of boron range distribution in ion-implanted silicon by the $^{10}B(n, \alpha)\ ^7Li$ reaction. 364900
Szabo, B.
Development of the national nuclear programme and preparations for the introduction of nuclear power in Hungary. 371332
Szabo, G.
Medical Genetics. 362633, 362636, 362688, 362765
Szabo, Gy.
Coulomb explosion seen from Auger lines in heavy ion bombardement of C, N and O containing molecules. 358781
Coulomb explosion seen from Auger lines in heavy ion bombardment of C, N and O containing molecules. 377075
Szabo, I.
Fission cross section measurements of ^{235}U, ^{239}Pu and ^{241}Pu from 10keV to 5.5MeV. (CEA-R – 4804) 354270
Szabo, J.
Calculation of thermal shielding factors of burnable poison rods in power reactor cores. (INIS-mf – 4052) 374482
Experiments in connection with control of boron acid concentration by ion exchange in Hungary. 365866
Low-energy cross section for $^6Li(d,n)^7Be$. 356899
Szabo, P.P.
Low exposure rate dependence of $CaSO_4$: Dy TLDs. 368327
Szabova, T.
Anion influence on ^{131}I adsorption in soils. 354679
Szafranek, J.
Question of right to stay of nuclear-powered vessels in foreign ports. 374483
Szalanczy, A.
A microprocessor controlled TL dosimetry system. 355583
Szalata, Z.M.
Electron scattering studies of ^{20}Ne and ^3He isotopes. 372819
Szalsza-Kusmierczyk, M.
Excretion and organ distribution of the cytostatic preparation Ledakrin (preparation C-283) in rat. 367580
Szamrej, I.
Rare gas sensitized radiolysis of hydrogen sulfide in the presence of butadiene. 351638
Szanto de Toledo, A.
Semimicroscopic description of the odd iodine nuclei in the mass region $123 < \text{or} = A < \text{or} = 133$. 351314
Szaran, J.
The isotopic composition of carbon in mineral waters of the Polish Flysch Carpathians. 365303
Szargan, R.
X-ray spectra and chemical bond. 371643
Szarras, S.
X-ray investigation of structure changes in surface layer of silicon single crystals bombarded by 5 MeV α-particles. 370224
Szczawinska, K.
Changes in the pharmacodynamics and pharmacokinetics of psycholeptic drugs in radiation-sickness. Effect of X-ray radiation on pharmacodynamic activity of nitrazepam in animals. 373548
Szczepura, R.T.
An approximate treatment of pressure changes in linked volumes. (CEGB-RD/B/N – 4120) 365699
Szczypa, J.
Radioisotope applications for investigation of physicochemical properties of soils. 373426
Szczyrba, W.
A geometric construction of the symplectic form in general relativity. 355840
Sze, D.K.
Neutronics studies of the gas-carried lithium oxide cooling – breeding fusion reactor blanket and shield. 361513
Szefer, P.
Polarographic determination of microgram amounts of thorium(IV). 367056
Szegedi, S.
Low-energy cross section for $^6Li(d,n)^7Be$. 356899
Szekielda, K.H.
The near coastal environment monitored from space. (GKSS – 77/E/28) 354695
Spacecraft oceanography. 354696
Szele, I.
Hyperconjugation and the angular dependence of BETA-deuterium isotope effects. 362217
Szeless, A.
Availability of nuclear power plants in 1977. 371249
Energy analysis of nuclear power plants and their fuel cycle. 366136
Geological ultimate storage site for radioactive waste in Austria. 371204
Load factors of the nuclear power stations in the 1st half of 1977. 355363
Viewpoint of utilities regarding fuel management of nuclear power plants. 366228
Szemere, G.
Meiotic and post-meiotic studies in the male mouse exposed to X-rays and their human implications. 362688
Szentesi, A.
Alterations in premating behavior and pheromone biology of gamma-irradiated Trichoplusia ni (Lepidoptera:Noctuidae). 357670
Szeptycka, M.
High multiplicity π^-d interactions at 21 GeV/c. 356503
Inclusive π^0 production in π^+p interactions at 16 GeV/c. 366818
Szewczuk, M.R.
Ontogeny of B lymphocyte function. IV. Kinetics of maturation of B lymphocytes from fetal and neonatal mice when transferred into adult irradiated hosts. 373545
Szilagyi, K.
Rate dependence on the alkane chain size in the hydrogen exchange reaction between amino-isoalkanes and sulfuric acid. 349216
Szilagyi, M.
A study of organic binding of incorporated tritium by means of the organic components of human urine. 365460
Szili, G.
Development of the national nuclear programme and preparations for the introduction of nuclear power in Hungary. 371332
Szimmat, J.
The conversion of SMART I. 376423
Finite element calculation of prestressed-concrete reactor vessels. 376422
Szinovatz, W.
Compounds made of aluminium and irradiation grafted polypropylene. (SGAE – 2723) 354423
Szmid, Z.
X-ray investigation of structure changes in surface layer of silicon single crystals bombarded by 5 MeV α-particles. 370224
Szoecs, F.
ESR study of pressure and temperature dependence of free-radical decay in poly(vinyl chloride). 373096
Szoeke, Abraham
Laser-collision induced transitions. 353300
Szokefalvi-Nagy, A.
Electrical resistivity of cyclically deformed tungsten. 362466
Szollar, J.
Investigation of X-ray-induced chromosome aberrations in 'preleukaemic' mammalian cells. 362636
A search for an effect of ultrasound alone and in combination with X-rays on chromosomes in vivo. 365385
Szot, Z.
Zinc-65 transfer across the placenta at late pregnancy in rat. 379129
Szpikowski, S.
Four-body model-interactions in nuclei. 354122
Szpilowski, S.
Detection of leakages in industrial water conduits by means of radioactive ganges. 367896
Szram, S.
Late effects of irradiation of newborn mice with gamma rays. Pt. 4. Summary of investigation and the effect of sex and dose of radiation on the extent of radiation-induced injury. 373522
Sztanyik, L.B.
Early detection of radiation-induced cell membrane alterations by lectin-binding. 354780
Sztarkier, J.
Measurements on light antiprotonic atoms. 376976
Study on antiprotonic atoms of light nuclei and isotopes. 371523
Szu, H.H.
Football coil: a device to produce absolute minimum magnetic field and an isochronous cyclotron for heavy ions. 363355
Szucs, S.
Electron transfer in $H^+ - He^{++}$ collisions. 353368
Merged-beams study of the charge exchange between He^{2+} ions and highly excited hydrogen atoms. 348658

Szudek, M.
Neutronographic studies on crystaline structure of graphitic materials. 371623
Szuecs, Z.
Knight shift of ^{195}Pt in A15- and sigma-phases of Nb-Pt. 371626
Temperature dependence of Knight shift and susceptibility of single crystal molybdenum. 371624
Szumanska, G.
Incorporation of ^{14}C glucose into glycogen and glucose-6-phosphate dehydrogenase activity in rat brain following carbon monoxide intoxication. 373689
Szumiel, I.
Late post-irradiation phenomena in mammalian cell populations. Pt. 3. Characteristics of the slowly growing clones isolated from X-irradiated L5178Y-S cell cultures. (INR – 1506/10/B/A) 367448
Szumowski, J.
Influence of uniaxial stress on EPR spectrum in $CdF_2:Eu^{2+}$. 377294
Szuster, B.J.
Continuum-distorted-wave calculations for rearrangement cross sections and their sensitivity to improvements in the target wave function: Proton-helium collisions. 350566
Electron-capture cross sections of high-energy alpha-particle-helium-atom collisions. 350564
Szuszkiewicz, S.
Angular distributions of annihilation quanta for evaporated layers of Bi and Cd and for bimetallic systems Bi-Cd. 374776
Diffusion of thermal positrons through metal-metal junctions-investigation based on the measurements of angular distributions of annihilation quanta. 364129
Szuta, M.
Identification of fission product isotopes in the coolant of the WWRS reactor. 379847
Szwaj, M.
The characterization of radioactive products of partial hydrolysis of ribosomic proteins. 373692
Szybinski, Z.
Effect of irradiation on activity of lysosomal acid phosphatase in peripheral blood granulocytes of mice. 367479
Methodologic problems concerned with estimation of gastrin by RIA. 373761
Szybisz, L.
Beta decay and nuclear structure: Rb^{86}. 375153
Szyjewicz, A.
The contribution of ω radiative decay to proton-proton bremsstrahlung. 354217
Szymanski, W.
Increase of poly(vinyl chloride) stability towards ionizing radiation. Pt. 2. Effects of Epidian addition in PVC films. Pt. 3. Effects of the addition of ethylene glycol bis-β-aminocrotonate in PVC foils. 375718
Investigations on the radiation stability increase of poly (vinyl chloride). Pt. 1. Radiation yield of hydrogen chloride in pure poly (vinyl chlorides) irradiated by γ ^{60}Co. 354457
Radiation yield of hydrogen chloride in gamma-irradiated poly(vinyl chloride) stabilized by epoxy compounds. 357160
Radioimmunological and serological assay of the urinary excretion of the luteinizing hormone in women with amenorrhea. 373776
Radioimmunological and serological evaluation of FSH and LH concentrations in women with primary and secondary amenorrhoe. 373775
Szymanski, Z.
High spin nuclear rotations. 356661
Nucleon binding in nuclei at high angular momentum. 369415
Search for the yrast traps in neutron deficient rare earth nuclei. 354054
Szymczak, H.
Rotational invariance and the phonon-induced contributions to spin-hamiltonian parameters for orbital singlet ions. 363953
Szymczak, M.
Silicon spectrometer with a Peltier refrigerator. 355503
Szymendera, L.
The effect of density deviation on concrete attenuation effectiveness. 376428
The tables of gamma-ray build-up factors for 29 elements. 375096
Szymonski, M.
Spikes in low energy sputtering of silver and gold. 356062
Szyszko, A.
Influence of X-ray irradiation on metabolic effects of adrenaline. 373549
Szytula, A.
Investigations of crystal and magnetic properties of nickel ferrite-aluminates. 371560
Ta, N.C.
Nitrido complexes of rhenium(V) with 2,2'-dipyridyl and 1,10-phenanthroline. 367124
Taagehoej Jensen, F.
Methodological aspects of tear flow determination by means of a radioactive tracer. 357655
Tabachenko, A.N.
Is it possible to determine the nucleon axial-vector form factor from pion electroproduction cross section form factor from pion electroproduction cross section. 349079
Tabachnik, A.A.
Radical pairs during solid paraffins radiolysis: mechanism of radiolytic birth and postradiational decay. 362257
Tabachnik, V.P.
Investigation of the ferroprobe coercitivity meter KIFM-1 with various shoes for inspection of tubes. 373154
Tabak, D.
An extension of the maximum principle to multidimensional systems and its application in nuclear engineering problems. (IA – 1338) 364603
Tabak, R.G.
Enhanced metal depletions and interstellar H_2 abundances. 351090
Tabara, Hiroto
Observation of linear polarization of variable radio sources at 7.2 cm. 359102
Tabata, T.
Interpolation formulas for quantities related to radiative energy-loss of electrons. 356556
Tabata, Tatsuo
Fitting function for the thermal neutron distribution in water due to a ^{252}Cf source. 355086
Simplified water bath method for calibrating a ^{252}Cf source. 360576
Tabata, Y.
Lineshape studies of deconvoluted spectra of annihilation radiation in neopentane solutions of some organic iodides. 353476
Radiation-induced copolymerization of hexafluoroacetone with α-olefins. 378531
Tabche-Fouhaile, A.
Dissociation of energy selected ions by threshold photoelectron-photoion coincidence. 355881, 377028
Tabensky, R.
A geometrical approach to free-field quantization. (PUC-TN – 12/77) 350550
Tabensky, Romualdo
Kinetic energy of laser accelerated charged particles in a plasma and the possibility of pair production. 359013
Tabor, J.H.
Absorption corrections in the inclusive production of the Δ (1236) in the triple-Regge region. 351182
A study of inclusive sector and tensor meson production in the beam fragmentation region. 369272
Tabor, S.L.
Comparison of light- and heavy-ion emission from the $^{12}C + ^{16}O$ system. 359529
Energetic charged particle yields induced by pions on complex nuclei. 359494
Fusion cross section behavior for light systems. (CONF-770968 – 7) 372784
Fusion of $^{16}O + ^{40}Ca$. (ANL – 77-60) 377995
Systematics of O + Mg fusion. (ANL – 77-60) 378066
Tabounchtchikova, O.K.
Cryosorption pump for ultracold neutrons source vacuum system oilless pumping. 370674
Tacano, Munecazu
Study of nonequilibrium semiconductor plasma instabilities. 358900
Taccoen, L.B.C.
The ecological movement in France. 370617
Tacheci, O.
Changes of the antiheparin activity of the blood plasma and lymph in dogs after total irradiation. 365388
Tachibana, A.
Theory of the ionization of the hydrogen atom by an external electrostatic field. 358856
Tachibana, Keizo
Basic study of an introduction of ^{123}I to thyroid examination with RI in vivo. 379186
Tachibana, Shoji
Studies on the fertilization and cultivation of horticultural crops under covering conditions, (4). 349878
Tachibana, Toshimichi
Fracture strength of UO_2. (PNCT – 831-76-01) 379526
Fuel cladding mechanical interaction, (1). (PNCT – 831-77-01) 379577
Tachikawa, E.
Release-behaviour of tritium and its chemical forms in heating irradiated UO_2(Li)-pellet. 369731
Tachikawa, Enzo
Effects of gamma ray-irradiation on reactions of ^{125}I activated from $^{125}Xe(EC)^{125}I$ process with methane. 373031
Reactions of ^{125}I activated by $^{125}Xe(EC)^{125}I$ process with methane. 367151
Tachikawa, K.
Formation of superconducting A-15 V_3Ge compound by a composite-diffusion process. 351816
A study on niobium carbide dispersed superconducting tapes. 367282
Tachikawa, Katsuhiro
Production of ^{198}Au grain for radiotherapy. (JAERI-M – 7209) 379369
Tachikawa, Noboru
Effective source size as related to ^{252}Cf neutron radiography. 355093
Tachiki, M.
Tritium release from neutron-irradiated Li_2O pellets. 357427
Tachimori, Shoichi
Method of partitioning high-level fuel reprocessing waste. (JAERI-M – 7206) 378473
Tachlinski, W.
Relationships existing between tritium releases from different sources and the contamination of air, water and plants. 370579
Tada, Akira
Diagnosis of cold thyroid nodule with ^{201}Tl scintigraphy. 367717
Tada, Masahiro
Endoscopical studies on radiation proctitis using dye spraying method. 349770
Tada, Shotaro
Ion exchange membranes made by electron irradiation. 373977

Tademaru, E.
Pulsar velocity observations: Correlations, interpretations, and discussion. 359095
Tadic, D.
Parity violating effects in the coherent scattering of neutrons by ^{209}Bi. 372673
Tadjeddine, M.
Photofragment spectroscopy and potential curves of Ar_2^+. 350660
Photofragment spectroscopy and potential curves of Ar_2^+. 377084
Threshold photofragment spectroscopy of $O_2^+(a^4PIsub(u))$. 377125
Tadokoro, Yoshihiro
HIGHTEX: a computer program for the steady-state simulation of steam-methane reformers used in a nuclear process heat plant. (JAERI-M – 7232) 380157
Tadzer, I.
sup(113m)In uptake in platelets. (INIS-mf – 4010) 370415
Taeljedal, I.-B.
Ionic effects on the uptake of chloromercuribenzene-p-sulphonic acid by pancreatic islets. 354872
Taeymans, A.
An integrated system for the conditioning of radioactive solid wastes and liquid waste concentrates. 358506
Taff, L.M.
Nuclear spectroscopy. (INIS-mf – 4267) 378019
Taffara, L.
Geometrical-optics phenomena in the elastic scattering of fictitious heavy neutral nuclei by absorbing potentials. 361953
Taft, C.A.
Moessbauer spectroscopy of the $NaFeS_2$. 364130
Moessbauer studies of $NaFeS_2$: magnetic hyperfine fields and covalency in $MFeS_2$ compounds (M = Na, K, Rb, Cs). 358901
On the origin of the exchange interaction in EuO and EuS. 358887
Taga, Mitsuhiko
Conductometric titration of cadmium by the formation of cadmium-o-phenanthroline-iodide ternary complex. 372942
Taga, Naomasa
Metabolic fate of timepidium bromide (SA-504). 349877
Tagare, S.G.
Filamentation of lower-hybrid turbulence by adiabatic perturbations in a magnetized plasma. 366639
Non-linear electron plasma waves. 364249
Nonlinear propagation of ion-cyclotron modes. 350947
Tagawa, H.
Anomalous behavior in the α to β transition of $SrUO_4$. 357122
Formation of uranium mononitride by the reaction of uranium dioxide with carbon in ammonia and a mixture of hydrogen and nitrogen. I. 372985
Taggart, K.A.
Growth and saturation of instability of spherical implosions driven by laser or charged particle beams. 361591
POST: a postprocessor computer code for producing three-dimensional movies of two-phase flow in a reactor vessel. (LA-NUREG – 6954-MS) 365616
Tagiev, B.G.
The determination of the thermal expansion coefficient of the solid solutions GaSesub(x)Tesub(1-x) by the x-ray diffraction technique. 349546
Electroabsorption in monocrystals of GaSesub(x)Tesub(1-x) solid solutions. 361476
Tagirov, M.S.
Anomalous temperature dependence of spin-lattice relaxation of praseodymium nuclei in $Pr_2(SO_4)_3x8H_2O$ monocrystal. 348758
Taglauer, E.
The backscattering of low energy ions and surface structure. 361448
Low energy ion-surface scattering – physics and applications. 368884
Tagliaferri, G.
An exciton model approach to the analysis of α-particle-induced nuclear reactions. 362062
Taguchi, Junzo
Device for detecting radioactivity in a liquid metal coolant. 379790
Electromagnetic pump for FBR. 350262
Taguchi, Masami
Vacuum vessel for plasma devices. 348981
Taguchi, Mitsuo
Technical considerations for functional imaging of regional cerebral blood flow with ^{133}Xe. 349853, 379193
Taguchi, T.
Irradiation effects on carrier transport and the trapping process in high-resistivity CdTe. 370225
Taguchi, Y.
A finite formulation of renormalizable field theory based on improved operator products. 371441
Taguchi, Yoji
Counting rate of spherical ion exchange resin containing ^{32}P homogeneously. 349939
Taher, S.M.A.
Electrical and thermal transport measurements on semimetallic rare earth sesquisulfides. 360032
Electrical and thermal transport properties of single crystal rare-earth sequisulfides. 357391
Taherzadeh, M.
Development of the Teheran Nuclear Research Center. 352614
Tahir Shah, K.
On the violation of certain conservation laws at critical values of parameters and quasi-catastrophe theory. 355841
Tahsimov, M.A.
Simulation of nuclear cascades in atmosphere. 361692
Tai-Pow, J.
Continuous and grab sampling determinations of radon concentrations. (HASL – 325) 378899
Radon concentrations in contaminated and uncontaminated premises in two Ontario towns. (HASL – 325) 378900
Tai, A.S.
Neutron transit time measurements on a two-different-core system. 365798
Tai, H.
Photoionization of vibrationally excited molecular hydrogen. 358840
Taika, Tadao
Saturation of polymer yield during postpolymerization of gamma-ray irradiated 2-amino-4-N-methylanilino-6-isopropenyl-1,3,5-triazine. 354458
Taillet, J.
Methods of measurement of reentry plasma parameters. 359027
Taillifet, D.
Primary circuit thermal hydraulic analysis of Super Phenix 1 Reactor; sodium and structures temperatures calculations; salt water tests – hot water tests. 371033
Taing Aung
Transfer of alien genes by means of induced translocation in oats and other crop species. 373739
Taira, T.
Study on a methane-steam reformer by high-temperature helium. 379692
Tairov, M.A.
Effect of uniaxial pressure on capacity of diodes of silicon doped with rhenium. 348810
Tait, D.R.
The market for nuclear equipment – engineering and fabrication. 363482
Tajchert, J.
Influence of haemodynamic disturbances caused by acceleration on distribution of ^{125}J-albumin in eyes of experimental animals. 367701
Taji, Y.
Mock-up experiment and analysis for the primary shield of the N.S. MUTSU. 368262
Taji, Yukichi
RADHEAT-V3, a code system for generating coupled neutron and gamma-ray group constants and analyzing radiation transport. (JAERI-M – 7155) 380152
Tajima, Fumio
Apparatus of vaporizing and condensing liquid radioactive wastes and its operation method. 361104
Method for condensing radioactive wastes. 350390
Tajima, Jun-ichiro
Neutron source for start-up. 360860
Tajima, Kazuo
Radiotracer studies of the adsorption of surface active substances at aqueous surfaces, 6. 354383
Tajima, Nobuki
Time evolution of the energy spectrum of Alfven waves due to the non-linear Landau damping. (RRK – 77-4) 366767
Tajima, T.
Alfven ion-cyclotron instability: Its physical mechanism and observation in computer simulation. 350955
Tajlashev, A.S.
Order-disorder transformation in a Ni_3Mn alloy of stoichiometric composition. 378664
Tajmir-Riahi, H.A.
Schiff-base complexes of the lanthanoids and actinoids. 369604
Tajts, M.Yu.
The dependence of the hypophysis-adrenal system reaction upon the conditions of low dose irradiation. 362689
Takabatake, Toshiro
Superconducting transition temperature of technetium and lead. 353734
Takabe, Tetsuo
Biosynthetic mechanism of glycolate in Chromatium, 4. 349834
Takacs, S.
Czechoslovak-made Nb_3Sn superconductors. 367236
Josephson effects in long superconducting bridges with variable thickness. 359193
Takacsy, N. de
The structure of ^{12}C and ^{16}O in a cluster model with varying hinge angle. 356569
Takada, Jitsuya
Half-lives and gamma-ray energies of short-lived molybdenum isotopes. 373021
Takada, Kenjiro
A new method for microscopic description of the so-called 'many-phonon' states in spherical even-even nuclei, 1. 354073
Takada, Kiyoshi
Radiation-induced oxidation of syndiotactic 1,2-polybutadiene. 354448
Takada, S.
Mining and milling for uranium in Japan. 360168
Takada, T.
Metallic-antiferromagnetism of non-stoichiometric V_2O/sub 3+x/ studied by (^{57}Fe) Moessbauer effect. 365213
Surface magnetic moment of Fe by Moessbauer effect. 368877
Takada, Yoshihisa
Design of a high-intensity, high-momentum-resolution, low-energy separated beam. (KEK – 76-15) 355211
Takagi, A.
Construction of duoplasmatron ion source for the KEK-PS. 363276
Recent progress in KEK preinjector. 363231

Takagi, Akira
Duoplasmatron ion source for the KEK-PS. (KEK – 76-14) 355193
A pulse-operated polarized H^- ion source of lamb-shift type. 355199
Takagi, F.
Symmetry axis of rapidity distribution in hadron-hadron and hadron-nucleus collisions. 364550
Takagi, Fujio
Effective mass number in hadron-nucleus collisions at high energies. 366867
Universality of mean charged hadron multiplicities in particle and nuclear collisions. 353909
Takagi, H.
Development of special envelope for cryogenic applications. 360637
Fabrication of sintered ZrO_2 with dense texture. 354592
Takagi, Kenichi
Observation of REB acceleration accompanied with beam focusing. 353640
Takagi, Masaru
Glove box for tritium handling. 360683
Safety handling of tritium. 355162
Takagi, Norio
Adsorptivity of uranium by aluminium-activated carbon composite adsorbent. 349325
Properties and uranium adsorptivity of the aluminium-activated carbon composite adsorbent and aluminium hydroxide. 378469
Takagi, Ryuzo
Calculation of symmetric stretching frequency in molten BeF_2 by molecular dynamics method. 359702
Takagi, S.
Coupled spin-orbit relaxation in superfluid ^{3}He-A. 356063
Orientational dynamics of superfluid ^{3}He: a "two-fluid" model. I. spin dynamics with relaxation. 359204
Three-nucleon interactions and nuclear matter. 354123
Takagi, T.
Ionized-cluster beam technology. 377295
The vapourized-metal cluster ion source and its application to film formation. 370683
Takagi, Toshinori
Ion implantation into metals. 373392
Takagi, Yoshinari
Increase of survival of x-irradiated mice by postirradiation injections of a splenic extract prepared from vaccine or endotoxin-treated syngenic animals. 349755
Takagi, Yuji
Environmental tests of electric cables for nuclear power plants. 374161
Takagishi, K.
Short-term variability of CYG X-1. 377639
Takagui, E.M.
Testing of the energy stability and reproducibility of the ion beam produced by the 'tandem' accelerator of USP (University of Sao Paulo, Brazil). 354144
Takahara, Akira
Pool for storing spent nuclear fuel. 367954
Takahara, Kuniaki
Emergency core cooling system for nuclear reactors. 350242
Takahara, Mariko
Adiabatic collapse of rotating gas clouds. 372287
Takahara, Toshio
Control of radioactive waste disposal system for BWR plants. 368369
Takahashi, Akito
Neutronics experiments of D-T fast neutrons by application of associated particle method. 359028
Takahashi, C.S.
Somatic mutation frequencies in the stamen hairs of stable and mutable clones of Tradescantia after acute gamma-ray treatments with small doses. 354762
Takahashi, Fujinobu
Observations of linear polarization of the Crab nebula during an occultation by the solar corona, (2). 349005
Takahashi, Fuminobu
Defectiveness detector. 368063
Measurements of energy dependent Doppler factor for uranium dioxide using a lead slowing-down time spectrometer. 360766
Takahashi, H.
A 'chondritic' eucrite parent body: inference from trace elements. 364898
Analysis of gas circulation in an HTGR containment. (BNL-NUREG – 22860) 367783
The environment enhanced crack growth effects in structural steels for water cooled nuclear reactors. 354567
Further studies of trace elements in C3 chondrites. 364920
ICRF heating in tokamaks. (PPPL – 1374) 368996
Layering and combustion in the HTGR containment following depressurization accident. 352271
Linear accelerator fission product transmuter (LAFPT). 352886
Meteorite material at five large impact craters. 376009
Status of seismic design requirements for nuclear power plants in Japan. 370867
Takahashi, Hiroshi
The transformation of human peripheral mononuclear cells in diffusion chamber cultures. 373490
Takahashi, J.
Channeling study on the thermal motion of deuterium in palladium alloy. (INIS-mf – 3996) 364131
Resolution of carbon atoms in neutron-irradiated Fe-0.21wt% C-0.2wt%Cu alloy. 370247
Takahashi, K.
Beta transition rates in hot and dense matter. (IKDA – 77/6) 364412
Inclusive Λ, anti Λ and Σ^{+-}(1385) production in 405 GeV/c pp interactions. 377810
Reduction of power loss due to heavy impurities in Diva. (INIS-mf – 3963) 372098
Takahashi, Kanji
Lung dynamics of aerosol particles with special reference to deposition model. 367604
Takahashi, Koki
The local counting efficiency of a Ceratron multiplier for plasma diagnoses on charge-exchanged fast atoms. 353642
Takahashi, M.
Quantitative estimation of histological changes in subcutaneous vasculature of the mouse after x-irradiation. 367514
Takahashi, Mutsumasa
Exposure of the radiology personnel to scattered radiation during angiography with consideration of its decrease. 367821
Takahashi, N.
Influence of imperfect alignment of median planes on focusing properties. 355620
Proton inelastic scattering from ^{110}Cd and ^{112}Cd at isobaric analog resonances and analysis with the quasiparticle random-phase approximation. 354267
Spin polarization of ^{12}B in the heavy-ion reaction ^{100}Mo(^{14}N, ^{12}B)^{102}Ru. 351420
Takahashi, Nobutaka
The structural revision of piericidin A by combination of CMR spectroscopic and biosynthetic studies. 367722
Takahashi, Noribumi
Appearance of newly formed mRNA and rRNA as ribonucleoprotein-particles in the cytoplasmic subribosomal fraction of pea embryos. 349879
Takahashi, Noriyoshi
Practical superconducting generators. 355128
Takahashi, Noriyuki
^{4}He(d, pα)n reaction at Esub(d) = 8.9 MeV. 354254
Takahashi, Ryukichi
Heating of plasma focus by TEA CO_2 laser, (2). 359029
Instability enhanced emissions of x-ray and neutron in plasma focus. 372056
Neutron yield enhancement in a CO_2 laser irradiated plasma focus. 372055
Takahashi, S.
Research on and economic evaluation of uranium enrichment by gaseous diffusion in Japan. 367841
Takahashi, Satoko
Effectiveness of author-assigned keywords to INIS indexing. 355685
Takahashi, Shinji
Improved mass analysis of boron isotopes in B_4C control rod for nuclear reactor. (PNCT – 831-77-01) 378181
Takahashi, Shunya
Water analysis of ATR fuel rod by gravimetry. (PNCT – 831-76-01) 379707
Takahashi, T.
The dependence of multiple inner-shell ionization on the projectile energies and on target elements by nitrogen-ion bombardment at the energy above 4 MeV/amu. 353180, 376964
Final-state interactions in the decay of ^{12}C* into three α particles. 359530
Tritium release from neutron-irradiated Li_2O pellets. 357427
Takahashi, Tadao
The heat transfer characteristics of steam generators for FBR. 350266
Takahashi, Takao
Nuclear fusion device. 366640
Observations of the geomagnetic pulsations at the polar cap and the auroral zone in Canada, N.W.T. 349686
Takahashi, Yoshio
Pre-heater for fast breeder reactor and its life. 355478
Takai, Shudo
Measurement of the concentration of testosterone in testicular tissues by radioimmunoassay. 379191
Takaiwa, Fumio
Appearance of newly formed mRNA and rRNA as ribonucleoprotein-particles in the cytoplasmic subribosomal fraction of pea embryos. 349879
Takaku, F.
Topics in Hematology. 370368, 370379, 370380, 370384, 370385, 370386, 370387, 370390, 370394, 370430, 370442, 370446, 370452, 370482, 370501
Takaku, S.
A scattering chamber at the INS sector focusing cyclotron. (INS-TL – 132) 350089
Takakura, T.
Dynamics of a cloud of fast electrons travelling through the plasma. (IPPJ – 286) 377553
Takami, Hiroshi
Gaseous products and smoke generation on combustion of the insulation materials of nuclear cables. 349575
Takami, Yasukiyo
Performance deterioration of silicon semi-conductor detector by proton irradiation. 355632
Takamizawa, Hiroyoshi
X-ray diagnosis in the field of obstetrics and gynecology and reduction of exposure dose. 367838
Takamoto, Teruo
Plasma acceleration by means of microwave radiation pressure. 371855

Takamura, S.
Effects of a finite-bandwidth pump on the parametric instabilities near the lower-hybrid frequency. 371940
Takamura, Yoshio
Two cases of postradiation damage to bone and cartilage in head and neck regions. 349771
Takane, Fumihiko
Monitoring of small particles in gas-cooled electrical machine by ion counting method. 350142
Takano, Hideki
Analysis of Doppler effect with JAERI-Fast set. (JAERI-M – 7195) 379540
Takano, Hirohisa
Magnetic field coil in nuclear fusion device. 348983
Takano, Ichiro
Three-dimensional analysis of eddy current with the finite element method. (JAERI-M – 7062) 366641
Takano, Kazuo
Neutron monitoring instrumentation for BWR nuclear power plant. 360855
Takano, S.
Recent progress in KEK preinjector. 363231
Takano, Tomehachi
Radiation damage in components. 368355
Takano, Toshiaki
Rhabdomyosarcoma of the abdominal wall following radiotherapy for carcinoma of the cervix uteri. 379061
Takano, Yasunari
Numerical calculations on reflection processes of ionizing shocks on the end wall of a shock tube. 359169
Takaoka, N.
Rare gas isotopic compositions in diamonds. 367154
Takase, Sachiko
Long-term effect of medium-chain triglyceride on hepatic enzymes catalyzing lipogenesis and cholesterogenesis in rats. 349880
Takashima, Osao
Pressurized water reactor nuclear power training center. 350226
Takashima, T.
Control computer system for KEK proton synchrotron. 363272
Takashima, Tetsuo
Simulation of drive characteristics of JT-60 movable limiter. (JAERI-M – 7130) 366642
Takashima, Y.
Research and development on removal of radioactive noble gases in Japan. 358503
Takashima, Yoichi
Pressure recovery in a diffuser for gas centrifuge. 379365
Review of current status of LWR safety research in Japan. 367803
Takashima, Yoshimasa
Study on measurement of trace radioactivity, (2). 359574
Takasugi, E.
Classical solutions with both instantons and anti-instantons. 353116, 361295
Takata, K.
KEK booster to main ring beam transfer system. 363142
Synchronous transfer of beam from the booster to the main ring in the KEK proton synchrotron. 363275
TRISTAN ep project. 363269
Takata, Koji
Full aperture kicker magnets for KEK proton synchrotron. (KEK – 76-21) 355212
Takatsuki, Akira
Tunicamycin inhibits biosynthesis of acid mucopolysaccharides in cultures of chick embryo fibroblasts. 367714
Takavar, A.
Dosimetric response of some biochemicals used as lyoluminescent dosimeters. 371094
Lyoluminescence dosimetry with sensitizers. 371095
Takaya, Junichi
Dynamic behaviour of experimental multi-purpose high temperature reactor. 360861
Takayama, K.
Radio-frequency plugging of mirror and point cusp ends. (INIS-mf – 3963) 372084
Takayama, Kazuo
Effect of abdominal irradiation in intestinal sugar transport. 379017
Takayama, Shojiro
An autopsy case of thorotrast induced hepatoma. 360317
Takayanagi, Masaaki
Studies for aseismatic design of atomic power equipment. 360832
Takayanagi, S.
Depth distribution of knock-on nitrogen in Si by phosphorus implantation through Si_3N_4 films. 360092
Takayanagi, T.
Auger-electron spectra ejected in the Ar $L_{2,3}MM$ and the Xe $N_{4,5}OO$ processes by electron impact. 377085
Auger-electron spectra ejected in the Ar Lsub(2,3)MM and the Xe Nsub(4,5)OO processes by electron impact. 358793
Differential and integral cross sections for excitations in O_2 by electron collision. 353380, 377143
Takechi, Eisuke
Apparatus for disposal of waste gases in an atomic power plant. 368385
Takeda, Chisato
Tissue tolerance under the combination treatment of maxillary cancer. 354803
Takeda, Kunihiko
New separation method of isotopes. 360559
Novel continuous development method. 367849
Separation method with efficiency improved. 360558
Stabilized process of separating isotopes. 367850
Takeda, M.
Harmonic current ac filters at a large accelerator. 374087
Moessbauer study of ancient Japanese artifacts. 348852
Takeda, Mitsuyoshi
Ion Bernstein wave in an ion beam-plasma system. 353641
Takeda, Renzo
Nuclear reactor. 360955
Reactor. 368192
Takeda, S.
Comparative study on lysosomal accumulation of ^{67}Ga and ^{111}In in Morris hepatoma 7316A. 352076
Ion wave excitation by radiation pressure in a plasma waveguide. 372044
rf acceleration in KEK booster. 363278
Takeda, Seiichi
Control rod for fast breeder. 360862
Fuel assembly. 379814
Fuel rod for nuclear reactor. 368237
Takeda, Seiji
Treatment method of radioactive waste oil. 368371
Takeda, Susumu
Experiment of double resonance parametric process in a plasma. 377325
Possibility of filamentation instability in plasma. 358984
Reflection of high power pulsed microwave incident on a plasma. 353597
Takeda, T.
Improved response matrix method for calculating neutron flux distributions. 363390
Takeda, Tatsuoki
Optimum design of control coils in a tokamak device by nonlinear optimization. 353648
Takeda, Tsuneo
User's guide for CODAC-No.4: a computer program to calculate nuclide yields in complex decay and activation chain. (JAERI-M – 7230) 380158
Takei, Akio
Reactor vessel structural response tests at FBR hypothetical accident. 355450
Takei, Chikara
Scattering of 14.0 MeV electrons. 377851
Takekoshi, Eiko
^{239}Pu fission isomer in the reaction with 3-5 MeV neutrons. 359531
Takemaru, Koichi
Method of controlling the operation of a feedwater system. 368077
Takematsu, Mitsuharu
Effect of the sea-breeze on the atmospheric stability at the sea-board. (PNCT – 831-76-01) 378928
Meteorological measurements at PNC Tokai Works. (PNCT – 831-77-01) 380069
Takemi, Hirokatsu
Half-lives and gamma-ray energies of short-lived molybdenum isotopes. 373021
Takemoto, K.
Functional monomers and polymers. XXXVIII. Postirradiation polymerization of 2,3-dimethylbutadiene in deoxycholic acid canal complexes. 378534
Takemura, Tadashi
Introduction of experimental rig of dynamic stability of once-through boiling flow. 350267
Takenaga, M.
Composite TLD based on $CaSO_4$:Tm for γ-rays, X-rays, β-rays and thermal neutrons. 371106
Takenaga, Mutsuo
Thermoluminescent response to thermal neutrons of mixture of $CaSO_4$: Tm and non-luminous ^6LiF. 355588
Trap depth of thermoluminescent $CaSO_4$: Mn. 355600
Takenaka, S.
Mining and milling for uranium in Japan. 360168
Takenaka, T.
Development of KEK injector linac. 363357
Takens, R.J.
Mass determination for the x-ray binary system Vela X-1 (= 3U 0900-40). (CONF-7510169 –) 364418
Takeo, M.
Experience with a supercritical helium cooling system for the investigation of superconductors. 360628
Takeshima, M.
Development of a laundry waste treatment system. 358488
Takeshita, Isao
Measurement of alignment error of the drift tube array by the hot wire method. 350091
Takeshita, Kenji
Dosimetry of fast neutrons from T(d, n) reaction neutron generator. 374319
Exposure from medical and dental radiation and from cesium-137 fallout among A-bomb survivors and the hiroshima city population. 373902
Takeshita, Masazumi
Study of subcellular distribution of ^{169}Yb and ^{111}In in tumor and liver. 349775
Takeshita, T.
Hydrogen absorption in $Th(Ni,Al)_2$ ternaries. 354568
Taketani, Hiroshi
Lifetimes of some low-lying I=1 states in ^{51}Mn. 372791
Taketani, K.
Current status of reactor safety research in the Japan Atomic

Energy Research Institute. 352268
Energy problems and development of a multipurpose VHTR in Japan. 352578
Takeuchi, H.
Reduction of power loss due to heavy impurities in Diva. (INIS-mf – 3963) 372098
Takeuchi, Hiroshi
Eye abnormalities in fetal and postnatal mice caused by 200R of x-radiation on day 7 or 11 of gestation. 379043
The local counting efficiency of a Ceratron multiplier for plasma diagnoses on charge-exchanged fast atoms. 353642
Takeuchi, K.
Dynamic analysis of hydraulic pressure wave propagation in a plastically deforming pipe. 352299
Takeuchi, M.
Mock-up experiment and analysis for the primary shield of the N.S. MUTSU. 368262
Takeuchi, N.
Formulation of the sensitisation in LiF thermoluminescence based on a simple two-step reaction rate model. 378816
Takeuchi, S.
Isobaric analog resonances in the ^{82}Se + p system investigated by (p,p'γ) angular correlations and low-lying states in ^{83}Se. 354271
Takeuchi, Suehiro
^{12}C(p, t)^{10}C and ^{12}C(p, ^{3}He)^{10}B reactions at Esub(p)=51.9 MeV. 354277
Takeuchi, Yoshitaka
Environmental radiation monitoring system in nuclear power plant. 350299
Takeutchi, Fujio
^{4}He(d, pα)n reaction at Esub(d)=8.9 MeV. 354254
Takeuti, Y.
Asymmetrical transient thermoelastic problems in a composite hollow circular cylinder. 374000
Takeya, K.
Strain difference in T-cell regulation of antibody response to polyvinylpyrrolidone. 362675
Takezaki, J.
Radiation-induced polymerization of styrene at high dose rates. 365079
Takezhanov, S.T.
Method for iodine extraction. (Soviet patent document 300058/A/) 375587
Takhtarova, G.N.
Catalytic activity of zeolite-containing catalysts in cumene cracking. 378318
Taki, Ko
Studies of quenching on liquid scintillation counter. 355581
Takibaev, M.
A study of πsup(+), πsup(-) and proton production in pp interactions at 69 GeV/c. 361867
Takibaev, Z.S.
Charge asymmetry at large psub(T) in inelastic anti pp reactions at 22.4 GeV/c. 353943
Takibaev, Zh S.
One-particle inclusive spectra of charged particles in the PP interactions at 22,4 GeV/C. (JINR-D – 1,2-9342) 356495
Takibaev, Zh.S.
Gamma guanta families from a dense target and their inter. 361662
Leading pions in πsup(-p) interactions at 11 GeV. 349091
Search for correlations between production of high energy helium nuclei and generation of shower particles. 369359
Single-particle inclusive spectra of charged particles in anti- pp-interactions at 22.4 GeV/c. (JINR-E – 1-9781) 377787
Some characteristics of gamma quanta in hadron interactions at energies above 2.5 TeV. 361742
A study of inelastic pion-nucleus interactions at 200 GeV/c in an emulsion. 356481
Study on the dependence of associative multiplicity of charged pions upon π⁻ meson transverse momentum in pp interactions at 69 GeV/c. 351218
Takigawa, N.
Nuclear glory effect and α-^{40}Ca scattering. (IPNO-TH – 77-38) 359442
Takigawa, W.
Nuclear glory effect and α-^{40}Ca scattering. 372674
Takigawa, Yukio
Method and device for controlling reactor power. 379595
Takiguchi, K.
Electrical properties of highly nitrided tantalum thin films. 368885
Takiguchi, Yukio
Solidifying method of waste water containing radioactive oil by using cement. 368388
Takikawa, K.
Measurement of the excitation of the coupling resonance Q/sub h/ – Q/sub v/ = 0. 363174
TRISTAN ep project. 363269
Takikawa, Koji
Beam transfer scheme of protons in TRISTAN. (KEK – 76-19) 355210
Some beam dynamical considerations on proton beams in TRISTAN. (KEK – 77-5) 379516
Takimoto, Yoshinori
Gas monitoring method in an atomic power plant. 360831
Takimura, Osamu
Determination of cadmium, lead and copper in interstitial water by anodic stripping voltammetry. 372873
Takitani, Koichi
Introduction of experimental rig of dynamic stability of once-through boiling flow. 350267
Takiue, M.
Thermal neutron reaction cross section measurements for fourteen nuclides with a liquid scintillation spectrometer. 372820
Takiyama, Kazuyoshi
Coprecipitation of lead with cadmium 8-hydroxyquinolate from homogeneous solution. 373001
Takizawa, Masaomi
Application of dual radioisotope techniques and image subtraction methods for diagnosis of lung cancer. 367695
Evaluation of dual radioisotope techniques for the diagnosis of lung diseases. 379185
Studies on computer analysis for radioisotope images. 367715
Takizawa, Teruhiro
Nuclear fusion apparatus. 366643
Takwale, R.G.
Effect of alternating electric field on Cerenkov radiation. 364631
Tal'daev, R.R.
Search for a neutron electric dipole moment using ultracold neutrons. (INIS-mf – 3895) 355525
Tal'nova, G.N.
Alloying effect on evaporation kinetics and electron properties of CdSe at high temperature annealing in vacuum. 359974
Tal'Rose, V.L.
Mass-spectrometric investigation of very fast reactions of fluorine atoms with radicals. 377126
Tal'roze, V.L.
Development of radiation-chemical technology for production of rubber products using electron accelerators. (INIS-mf – 4194) 376286
Study on vibrational-translational relaxation in ion-molecule collisions. (INIS-mf – 3915) 348648
Tal'yanskij, I.I.
On concentration and field dependences of Hall coefficient and resistivity in Hgsub(1-x)Cdsub(x)Te. 368886
Talaga, R.
Differential cross sections for p-^{4}He elastic scattering at GeV energies. 354220
Talamini, G.
Particle morphology in the early stages of radiation-induced heterophase polymerization of vinyl chloride. 373075
Talanova, M.I.
Deposition of high temperature metals from molten salts. (INIS-mf – 4189) 375410
Talas, A.
^{64}Cu labelled vitamin-B 12 analogues. (INIS-mf – 4010) 362236
Talas, S.
Reconstructed CERN 600 MeV synchro-cyclotron. 363131
Talbert, D.M.
Seabed Disposal Program. Annual report, January – December 1976. Part II. (SAND – 77-1270) 374452
U.S. seabed high-level radioactive waste disposal feasibility study. 352887
Talbert, W.L. Jr.
Decay studies of Ag, Cd, and In fission products with new in-beam ion source. (BNL-NCS – 22500) 356783
Talbot, J.B.
Recovery of tritium from solid Li-Al and sintered aluminum product (SAP) blanket materials. 377554
Talbot, R.J. Jr.
Encounters between stars and dense interstellar clouds. 359170
Talenskij, O.N.
Photoluminescent properties and optical gain of CdS, CdSe monocrystals excited by electron beam. 348770
Talerman, A.
The relationship between serum CEA-levels and a number of non-gastrointestinal malignancies. (INIS-mf – 4010) 370490
Talibi, M.A.
Study on the influence of selenium crystallization on the strain-resistance effect in diodes. 355930
Talinskij, V.M.
OSK-3 point display for the 1010VM mini computer. (ITEF – 63) 350344
Talipov, D.
Calculations of electron-nuclear cascade characteristics at E_0 approximately 10^{13} eV. 361665
Talipov, Sh.T.
Extraction-photometric determination of niobium in form of complex with pyrocatechol and dimedrol. 364921
Extraction-photometric determination of some metals in the form of different-ligand complexes. (INIS-mf – 4192) 375357
Study of state of N-methylanabasine-α'-azo-3,4-dimethylphenol and its indium complexes in solutions. 378287
Tallberg, K.
Studies on the incorporation of spent ion exchange resins from nuclear power plants into bitumen and cement. 358472
Tallent, O.K.
Effects of metal ion impurities on PuO_2 dissolution in nitric – hydrofluoric acid solution. 362346
Tallentire, A.
Quality assurance of sterilized products: verification of a model relating frequency of contaminated items and increasing radiation dose. 370478
Tallerico, P.J.
Gyrocon: a deflection-modulated, high-power microwave amplifier. (LA – 6907) 374093
Low-frequency klystron for accelerator applications. 363356
Talley, D.
Development of a five-stage, round jet, virtual cascade impactor. (LF – 56) 365617

Tallini, B.
Channel cross sections of K^-p reactions from 1.934 to 2.516GeV/c. (LPC – 77-01) 369354
Inclusive V^0 production in anti pp interactions at 12 GeV/c. 353939
Total cross sections for charged-current neutrino and antineutrino interactions in BEBC in the energy range 20-200 GeV. 353945
Talmadge, J.N.
Magnetohydrodynamic equilibria of a non-circular cross-section stellarator. 348967
Talman, R.
Experimental study of nuclear shadowing in photoproduction. 359342
Talmet, L.
A gloomy future for energy – can we afford nuclear energy. 358553
Talmi, I.
Rotational bands from shell model Hamiltonians. (WIS-Ph – 77/12) 366937
Talmor, Y.
Elastic constants of Nb-Zr single crystal alloys between 4.2 K and the melting point. 378742
Talpaert-Borle, M.
The activity of mammalian polynucleotide ligase on X-irradiated DNA's. 376065
Talukdar, B.
K matrix for the Woods – Saxon potential. 359318
Talyzin, V.M.
Activation analysis system for laboratory with "Gidra" pulsed reactor. 349952
Tam, K.C.
Elimination of image blurring due to double scatter events in γ imaging MWPC detectors. (LBL – 6436) 379927
Tam, S.W.
Theory of the temperature dependence of positron bulk lifetimes-implications for vacancy formation enthalpy measurements via positron experiments. (CONF-761027 – 26) 377127
Tamagake, K.
Simulation of the bound-free KrF* emission spectra from reactive quenching of $Kr(5s[3/2]_2)$ and $Kr(5s[3/2]_1)$ atoms. 369711
Tamagaki, Ryozo
Three-alpha structure of ^{12}C in the boson model. 359443
Tamai, Tadaharu
Half-lives and gamma-ray energies of short-lived molybdenum isotopes. 373021
Tamain, B.
Angular distributions of fission and deep inelastic products of the system Ar+Au at 285 MeV. 354231
Fusion and deep inelastic collisions studied on the Ar+Au system. Pt. 1. 359510
Neutron-multiplicity in deep inelastic collisions: 365 MeV Cu+Au system. 356855
Tamakawa, Yoshiharu
Exposure of the radiology personnel to scattered radiation during angiography with consideration of its decrease. 367821
Tamaki, D.T.
Producing less than 1 ppb sodium leakage from condensate polishers. 370818
Tamaki, Keizo
Solidifying method of waste water containing radioactive oil by using cement. 368388
Tamaki, Nanaya
Intestinal absorption of beta-alanine, anserine and carnosine in rats. 354934
Tamaki, S.
Positron annihilation and charge transfer in simple alloys. 374780
Resistivity, its temperature coefficient and thermoelectric power of liquid rare earths (La, Ce, Eu, Gd, Yb) using t matrix. 370074
Tamano, T.
Studies of doublet plasmas in Doublet IIA. 358942
Tamanyan, A.G.
Facility for experiment on the investigation of charge composition of primary cosmic radiation in the energy range 20-10000 GeV/nucleon by the XTR-detector. (EFI – 177(23)-(76)) 350285
Utilization of XTR detector for hadron identification in polarization measurements in hadron-hadron interactions. (EFI – 130(75)) 361017
Tamaoki, T.
Actual status of sodium cavitation studies in Japan. (IWGFR – 9) 352788
Tamari, Kinjiro
β-1,4-glucan occurring in homogenate of Phaseolus aureus seedlings. 349871
Tamari, Nobuyuki
Crystal growth of zirconium carbide by chemical vapor deposition. 359703
Tamarina, I.A.
Increase in hydrogen embrittlement resistance of chromium steels. 375896
Tamas, G.
Photoproduction of negative pions on D and ^4He in the Δ(1236) region. (LYCEN – 7702(pt.1)) 369460
Tamashauskas, A.
Ultrasonic properties of potassium iodide solutions in the dioxane-water and dimethylformamide-water mixed solvents. 367119
Tamba, M.
Radiation chemical evidence for differences in the amino-acid composition of yeast and horse-liver alcohol dehydrogenases. 376073
Selenium dioxide free radicals: a study by pulse radiolysis. 359810
Tambovtsev, A.D.
Investigation of the transient operation of an experimental plant with the N_2O_4 coolant and with a flash heater. 355275
Tamchina, E.
Outlines and basic values for the projection of the energy program of the government of the FRG. 352910
Tameike, Seiichi
The decay eta→$\pi^+\pi^-\pi^0$ and the u_3-term of the (3, anti 3)+(anti 3, 3) model. 353870
Tamello, R.
On the transformation of the energy of the gravitational field into other forms of energy. 366304
Tamenaga, Tatsuo
An interpretation of hydrogen and helium line spectra of the loop prominence observed on November 3, 1973. 349012
Tamhankar, R.V.
New method for determining particle size of tungsten powder. 362442
Tamhina, B.
Extraction and complex formation of thorium(IV) with 3-hydroxy-2-methyl-1-(4-tolyl)-4-pyridone. 375664
Tamir, M.
Studies in molecular dynamics in the gas phase. (IA – 1326) 353369
Tamiya, S.
Future trends of light-water reactor fuel-cycle costs. 366168
Present status and future program of nuclear fuel reprocessing in Japan. 359861
Tamm, H.
Uranium requirements for fuel cycles in expanding nuclear power systems. 352914
Tammemagi, H.Y.
Management of radioactive wastes from nuclear fuels and power plants in Canada. (AECL – 5706) 361100, 368362
Tamminga, Y.
Regrowth of amorphous layers created by high-dose antimony implantation in <100> silicon. 370226
Tamor, S.
The absorption coefficient of a magnetized plasma for cyclotron radiation. 372053
Tamura, Gakuzo
Characterization of a cold-sensitive chromosome segregation mutant of Escherichia coli. 349849
Effect of salt on a thermosensitive mutant of Bacillus subtilis deficient in uracil and cell division. 349859
Tunicamycin inhibits biosynthesis of acid mucopolysaccharides in cultures of chick embryo fibroblasts. 367714
Tamura, H.
Simultaneous measurements of photon and ion emissions from ion bombarded Al in an oxygen atmosphere. 356057
Tamura, Izumi
Device for handling casks. 350047
Tamura, K.
Thermal tests on a spent fuel shipping cask. 350001
Tamura, Kazuyuki
Simultaneous measurement of neutron noise with vibration of a control plate under reactor operating condition at JRR-4. (UTNL-R – 0034) 379538
Tamura, Manabu
On high temperature strength of carbon steels. 367252
Tamura, Nori
Study on porosity of nuclear graphite by activation analysis and mass-spectrometry. (JAERI-M – 7223) 378781
Tamura, T.
Multi-step-direct-reaction analysis of continuum spectra of (p, α) reaction. 362024
Plutonium distribution in a desert pavement-desert mound soil system in area 11. (NVO – 171) 378879
Tamura, Takaaki
Characteristics of YAYOI pulse operation by reactivity insertion with R-pulser. 361012
Tan, C.
One-component formulation of Reggeon field theory. 363785
Tan, K.G.
Reactivity bands in atom – molecule collisions. III. The coplanar (H, H_2) reaction. 368707
Tan, K.H.
Branching ratio and the partial photoionization cross-section for the 3s electron of argon. 377128
Tanabe, Akira
Method and device for controlling reactor power. 379595
Tanabe, Hiromi
Method of recovering radioactive rare gases. 350388
Tanabe, Hiroshi
Application of Ge(Li) anti-coincidence detector system to environmental sample measurement. (PNCT – 831-77-01) 379950
Tanabe, Kosai
The perturbation treatment of the microscopic theory of deformed nucleus. 349124
Tanabe, T.
Systematics of low-lying octupole states in the doubly-even nuclei from Ge to Sr. 378034
Tanabe, Tetsumi
(p,d) reactions at 52 MeV, 3. 354247
Tanabe, Yukio
SU(2, 1) symmetry of the Einstein-Maxwell fields. 353159
Tanahashi, K.
Inclusive Λ, anti Λ and Σ^{+-}(1385) production in 405 GeV/c pp interactions. 377810

Tanahashi, S.
Tokamak experiments on JIPP T-II device. (INIS-mf - 3963) 371853
Tanahashi, Takahiko
A note on the transfer-function matrix of fluid transmission lines. 379440
Tanaka, A.
Basic studies of various ^{99}sup(m)Tc-labelled renal agents and clinical application of ^{99}sup(m)Tc-malate. 352165
A finite formulation of renormalizable field theory based on improved operator products. 371441
Tanaka, Daijiro
Performance characteristics of non-equilibrium MHD duct with resistive electrodes. 353724
Tanaka, E.
A large area multi-crystal positron camera. (INIS-mf - 4010) 358384
Tanaka, Gi-ichiro
Distribution and metabolism of elements with respect to standard or reference Japanese. (NIRS-M - 14) 379354
Tanaka, H.
Electron-impact excitation of the low-lying electronic states of HCN. 368619
Electron-optical design parameters for a high-resolution electron monochromator. (ANL - 76-88(Pt.1)) 361394
Improvements in the electron energy-loss spectrometer. (ANL - 76-88(Pt.1)) 363592
Tanaka, Hajime
Structure of the excited states in ^{12}C, 1. 354124
Tanaka, Haruo
Observation of corona with radio-heliograph. 359171
Tanaka, Hisashi
Evaluation of sup(99m)Tc-HIDA complex as a cholescintigraphic agent. 379199
The TcO_4^- binding to human serum albumin. 349847
Tanaka, I
Isotope and substituent effects on the intramolecular proton transfer in the excited state of 6-(2-hydroxy-5-methylphenyl)-s-triazines. 378395
Tanaka, Ichiro
Absorption, distribution, metabolism and excretion of ^{14}C-chlorphenesin carbamate in rats. 379194
Tanaka, Isao
Transition joint of Zircaloy-4 and stainless steel. (JAERI-M - 7152) 367214
Tanaka, J.
Development of KEK injector linac. 363357
Tanaka, Jun-ichi
Control rod drives. 368078
Tanaka, K.
Classical solutions with both instantons and anti-instantons. 353116, 361295
Evaluation of local accidents in fast breeder reactors. 371031
Hydrogenation of ethylene on a MoS_2 catalyst. 372987
Hyperfine structure in the electronic spectrum of $^{127}I_2$ by saturated absorption spectroscopy at 633 nm. 368681
Laser fusion research in Osaka. (IAEA - 200) 353656
Measurement of density modification of laser-fusion plasmas. 371732
Nuclear orientation of Bi isotopes in a ferromagnetic BiMn compound. 356005
Specific action of T4 endonuclease V on damaged DNA in xeroderma pigmentosum cells in vivo. 349713
Spin polarization of ^{12}B in the heavy-ion reaction ^{100}Mo(^{14}N, ^{12}B)^{102}Ru. 351420
Tritium release from neutron-irradiated Li_2O pellets. 357427
Tanaka, Kenji
Research and development on steam generator for fast breeder reactor. 368238
Tanaka, M.
Formation of glasses with high ionic conductivity in the system $AgI - Ag_2O - MoO_3$. 357369
Grain ejection from the surface of polycystalline molybdenum irradiated by intense H^+ and H_2^+ ion beams. 357426
Reduction of power loss due to heavy impurities in Diva. (INIS-mf - 3963) 372098
A scattering chamber at the INS sector focusing cyclotron. (INS-TL - 132) 350089
Thermal behavior or hydrated zirconia containing phosphate. 357387
Thermal transport coefficients in ^{3}He-^{4}He mixtures near the lambda line. 372344
Tanaka, Michihiro
Sodium-water reaction product container for liquid metal cooled fast breeders. 350270
Tanaka, Motomitsu
Production and installation of the turbine and alternator for the advanced thermal reactor prototype 'Fugen'. 355448
Tanaka, N.
Structural and isotopic effects in hydrophobic binding measured by high-pressure liquid chromatography. A stable and highly precise model for hydrophobic interactions in biomembranes. 378413
Study of the commercial fast breeder reactor in Japan. 379815
Tanaka, Nagatoshi
Liquid-metal cooled fast breeder. 360999
Tanaka, Ryokichi
Accuracy analysis in HTR nuclear design. 374231
Tanaka, Ryuji
Sister chromatid exchanges in peripheral lymphocytes of atomic bomb survivors and of normal individuals exposed to radiation and chemical agents. 349766
Tanaka, S.
The ^{10}Be method of dating marine sediments - comparison with the paleomagnetic method. 378880
Effect of the light output efficiency of charged particles on an unfolded neutron spectrum by an NE213 organic scintillator. 379942
Propagation and reflection of lower hybrid waves launched by slow waveguiding circuits. 353643
The slow step for hydrogen absorption (desorption) by activated $LaNi_5$. 367276
Three-body annihilations of antinucleon-nucleon and the quark rearrangement model. 361823
Tanaka, S.I.
Neutron dosimetry by thermoluminescence dosimeter. 363565
Tanaka, Seiji
Continuous energy spectra of alpha-particles from ^{11}B(p, α)^{8}Be reaction. 354188
Tanaka, T.
Thermionic work function of LaB_6 single crystals and their surfaces. 351839
Tanaka, Takayasu
Double resonance parametric excitation due to zero and finite wavenumber pumps. 353645
Three-dimensional parametric decay of a Langmuir wave into another Langmuir and a longitudinal low frequency waves, 1. 353644, 359030
Tanaka, W.
Infrared spectral observation of stars. 349009
Tanaka, Y.
The diffuse soft X-ray sky. 361743
Electron precipitation associated with a magnetic disturbance in the low L region. 359094
ELF emissions observed at Moshiri. 365325
Flexible multifilamentary compound superconductor. 359884
Reduction of power loss due to heavy impurities in Diva. (INIS-mf - 3963) 372098
Study of magnetic shaping in a shell-less hybrid tokamak with octopole. (INIS-mf - 3963) 371974
Tanaka, Yasumasa
Public acceptance and public relations. 373871
The rapid heating test of zircaloy-2 tubes. (PNCT - 831-77-01) 379563
Tanaka, Yasuo
Observation of very soft x-ray and extreme ultra violet ray with ASTRO-B. 353698
Proportional scintillation counter for measuring space x-ray. 355535
Semiconductor detector for x-ray in the space. 361041
Tanaka, Yasuro
Observation of galactic soft X-ray by K-9M-50. 377614
Observation of galactic soft x-ray by LEINAX-3. 377615
Tanaka, Yoshiaki
A calculation of dose distribution around ^{32}P spherical sources and its clinical application. 373898
Storage container of radium source newly manufactured for trial for intracavitary irradiation of cancer of the uterine cervix, 2. 355164
The study of safety control for the professional personals in the large dose treatment of $Na^{131}I$. 355062
Tanaka, Yoshihisa
Depressurization accident analysis of VHTR. 360461
Tanaka, Yuzo
Control rod drive. 350191
Tananaev, A.V.
Hydrodynamics of a lithium blanket of a thermonuclear reactor. (INIS-mf - 3954) 364153
Tananaev, I.V.
Evaluation of ΔH^0_{298} and S^0_{298} of scandium, ytrrium and lanthanide orthophosphates. 351577
Infrared absorption spectra and structure of neutral and acidic selenites of aluminium, gallium and indium. 359677
Investigation of thorium phosphates. 351626
Reaction of aluminium selenites with alkali metal selenites in hydrothermal conditions. 365000
Rubidium selenatoindiates. 351497
Tananaeva, O.I.
Investigation into T-x-projection of the phase diagram of SnS_2-SnI_4 system. 359991
Tananajko, M.M.
Cadmium complexes with 1.10 - phenanthroline and xanthene dyes. 378173
Synergistic effects during dissolution of molybdenum and tungsten 8-hydroxyquinolinates. 351458
Tananakin, V.A.
Injector with the field-emissive cathode for a betatron. 370754
Tananov, A.I.
Study of the crack growth arrest in laminated metal composites. 375852
Tanarro, A.
Nuclear power training programmes in Spain. 371333
Nuclear research and education in Spain. 352615
Tanase, M.
Lifetime measurements in ^{86}Zr. 375156
Tanasoiu, C.
The domain structure of minute single crystals with high uniaxial anisotropy and low magnetization. 356065
Estimates of the domain wall energy density in uniaxial single crystals from domain observation. 356064
Tanayama, Shigeharu
Metabolism of 6-chloro-5-cyclohexyl-1-indancarboxylic acid (TAI-

284), a new non-steroidal anti-inflammatory agent, after repeated administration in rats and mice. 349881
Tancrell, R.
Tomographic scintigraphy of regional myocardial perfusion. 357641
Tandberg-Hanssen, E.
Prominences, ch. 10. 369216
Thermally conductive flows in coronal holes. 372276
Tandon, D.P.
Mixed-ligand derivatives of Th(4) - diethylentriaminepentaacetic acid chelate with iminodiacetic and nitrilotriacetic acids. 359754
Tandon, J.P.
Uranium(V) complexes of dibasic tridentate and tetradentate Schiff bases. 367159
Tandon, S.N.
A radiochemical study of the kinetics of ion-exchange on zirconium antimonate. 362198
Tandy, P.C.
Class of integral equations for the N-particle transition operators. 359231
Taneichi, Hiroshi
Calculation of cross section of the ^{6}Li(γ, d)^{4}He reaction by the cluster model. 378067
Taneja, S.P.
Study of magnetic hyperfine fields in rare earth-ion intermetallics. 366476
Tanenbaum, W.
D meson production and decay in e^+e^- annihilation at 4.03 and 4.41 GeV c.m. energy. 353989
K^0 production in e^+e^- annihilation. 353983
Properties of the proposed tau charged lepton. 356517
A search for neutral heavy leptons. 356514
Spin analysis of charmed mesons produced in e^+e^- annihilation. 351228
Tanesescu, D.E.
Technetium-99m glucoheptonate as a brain-scanning agent. 373693
Tang, F.
Differential rotation of short-lived solar filaments. 372109
Tang, J.S.
Angular biasing of the collision process in multigroup Monte Carlo calculations. 372573
Monte Carlo shielding calculations using event-value path-length biasing. 361948
Some effects of packaging materials on critical arrays of fissile materials. (CONF-771109 - 61) 379471
Tang, K.T.
Reconciliation of crossed-beam results on the hydrogen exchange reaction. 377129
Tang, M.-S.
Repair of UV damage in Escherichia coli under non-growth conditions. 352022
The role of DNA polymerase I in liquid holding recovery of UV-irradiated Escherichia coli. 352007
Tang, S.Y.
Chemi-ionization in collisions of metastable helium with metastable neon. 368685
Tang, W.M.
Doppler model for adiabatic toroidal compressor driftwave frequency profiles. (PPPL - 1381) 368966
Drift-modified tearing instabilities due to trapped electrons. 350814
Integral formulation for the two-dimensional spatial structure of drift and trapped-electron modes. (PPPL - 1387) 368984
Nonlinear saturation of the trapped-ion mode by mode coupling in two dimensions. (UCID - 17529) 356101, 364182
Tang, Y.C.
Antisymmetrization effects in nuclear scattering and reactions. (COO - 1764-298) 372676
Dineutron cluster states in ^{18}O. 356622
Direct-reaction mechanisms in the α(p,d)^{3}He reaction. 375166
Resonating-group calculations in light systems. (COO - 1764-301) 372675
Resonating-group study of p + α scattering from 68 to 125 MeV. 351316
Tange, Toshio
Diffusion of a multi-ion species plasma due to drift wave fluctuations. (IPPJ - 267) 353646, 359031
Tanguy, P.
Key safety issues for fast breeder reactors. (CONF-761001 - P1) 363024
Variations in emittance of a beam during alignment by a system of quadrupole lenses. 374094
Tanguy, P.Y.
Phebus safety test reactor and the French light water reactor safety research program. (AED-Conf - 77-403-008) 376534
Tani, Akira
Method and apparatus for condensing radioactive rare gases by means of use of ejector and selective adsorption and desorption process including cycles. 350393
Tani, S.
Exact numerical solution of the Schroedinger equation with the Lennard - Jones potential. (ANL - 76-88(Pt.1)) 361395
Tani, Tadanori
Clinical studies on gastric cancer and breast cancer among A-bomb survivors. 354826
Tani, Yoshiki
Two assimilation pathways of C_1-compound in Streptomyces sp. No.239 during growth on methanol. 354939
Tani, Yutaro
Analysis of fuel performance in core Mark-III of experimental multi-purpose very high temperature reactor. (JAERI-M - 6945) 358243
Tanifuji, Shigeyuki
Appearance of newly formed mRNA and rRNA as ribonucleoprotein-particles in the cytoplasmic subribosomal fraction of pea embryos. 349879
Tanigawa, Shoichiro
An isochronal annealing study of deformed copper by means of positron lifetime. 353435
Tanigawa, Y.
Asymmetrical transient thermoelastic problems in a composite hollow circular cylinder. 374000
Tanigawa, Yoshio
Investigation of the environmental radioactivity around the mooring port. 360548
Taniguchi, Eiichi
Determination of oxygen in selenium, tellurium and their compounds. 372890
Taniguchi, H.
In situ photolysis-electron spin resonance study of some reactions of phosphate radicals. 364974
Taniguchi, Takashi
Method of processing radioactive vent gases. 380022
Method of tentatively disposing radioactive solid waste. 368380
Taniguchi, Yoshihiro
Effect of pressure on iodine complex with diethyl ether in n-heptane. 367120
Tanihata, I.
Proton and pion spectra at large angles in relativistic heavy-ion collisions. (LBL - 670) 378037
Tanii, J.
Flexible multifilamentary compound superconductor. 359884
Tanimoto, M.
An indication of three-quark structure from p-p elastic scattering at $\sqrt{s}$ = 53 GeV. 353999
Tanimoto, Morimitsu
On the determination of the ratios of quark fragmentation functions by inclusive electro-pion-production experiments. 353800
Tanimura, K.
Dislocation interaction with radiation-induced single halogen interstitials in KBr. 375956
Tanin, L.V.
Application of resonance interferometry and holography for plasma diagnostics. 348906
Tanirbergenov, B.
Copper (2) metaniobate complexes. 359607
Tanis, Georges
In-pile creep study on mixed oxide (U, Pu)O_2. 360068
Tanis, J.A.
Incident energy dependence of projectile fluorescence yields in ion-solid collisions. (INIS-mf - 3996) 364132
Zero thickness cross sections for K X-rays and REC produced in collisions of Cl ions with thin Cu targets. 353370
Taniuti, Toshiya
Thermonuclear reaction wave in high-density plasma. 371966
Tanizaki, Yoshiyuki
The distribution of trace elements in the Ogasawara Islands. 367057
Tanji, Jun-ichi
Feedwater control system for a nuclear power plant. 368076
Tank, R.N.
The $\beta \rightarrow \alpha$ transformation and its effect on the mechanical properties of dilute Zr-Nb-Ti alloys. 367277
Tankosicj, Dj.
Operating health physics experience on exposure of the personel working at RA reactor during last ten years period. 370656
Tanner, B.K.
Application of X-ray synchrotron topography to in situ studies of recrystallization. 368834
A simple automatic cassette for X-ray synchrotron topography. 361428
Tanner, J.T.
Neutron activation analysis for trace elements in foods. 372932
Tanner, T.M.
Absorption of ingested talc by hamsters. 360359
Tanno, Kazuo
Hydrogen uptake of titanium tubes in surface condenser and its prevention. 355322
Method for disposal of liquid waste in an atomic power plant. 368384
Method of preventing stress-corrosion cracking on liquid-waste concentration apparatus in nuclear power plants. 368386
Tanno, Minoru
Method for processing cesium-137 in radioactive wastes by means of exchange adsorption, separation and enrichment. 350399
Tanooka, H.
Mutation Induction with UV- and X-radiations in spores and vegetative cells of Bacillus subtilis. 373491
Tanouchi, Masatoshi
Oxidizing agent and reducing agent. 360560
Tanryverdiev, V.S.
Study of $2Bi_2O_3xB_2O_3$-$Sm_2O_3xB_2O_3$ section. (INIS-mf - 4040) 378414
Tans, P.Pn
Chemical pretreatment and radial flow of ^{14}C in tree rings. 369576
Tanzi, E.G.
A spherical model for the transient x-ray source A0620-00. 356215
Tao, S.J.
Positron annihilation study of the semiconductor to metal transition in Ti_2O_3. 368887
Taoya, Koichiro
Study on antitussive effects of eprazinone dihydrochloride on

radiation induced inflammation of upper respiratory tract due to postoperative irradiation of breast cancer. 354822
Tape, J.W.
Applications of the absorption-edge densitometry NDA technique to solutions and solids. (LA-UR – 77-1416) 358587
Measurement of special nuclear material concentrations in solution by absorption edge densitometry. (LA-UR – 77-2235) 363733
Tapia, S.
New observations and a slow rotator model of the X-ray binary AM Herculis. 369208
Tapil'skij, E.L.
Lighting equipment with the DRSh-1000 and PRK-7 mercury-quartz lamps for radiation chemistry. 370724
Taplin, G.V.
"Inhalation lung imaging with radioactive aerosols and gases". (UCLA – 12-1133) 370451
Imaging sites of airway obstruction and measuring function response to bronchodilator therapy in asthma. (UCLA – 12-1124) 365465
Lung diffusion of soluble radioaerosols in scleroderma. (UCLA – 12-1141) 379143
Recent lung imaging studies. 354964
Ventilation-perfusion lung imaging in diaphragmatic paralysis. (UCLA – 12-1127) 362767
Tapp, E.
State and tendencies of chemical protection against ionizing radiation. (SAAS – 221) 365398
Tapper, R.J.
Measurement of differential cross sections for elastic K^+p scattering in the momentum range 0.7 to 1.9 GeV/c. 372511
Tapster, P.R.
Jahn-Teller antiferroelectric ordering in praseodymium hydroxide. 355981
Taqqu, D.
Search for the metastable 2s state in muonic hydrogen. 361331
Taquet, B.
Experimental evidence of ion heating by transit time magnetic pumping. 353516
Tokamak discharges in Petula with alumina chamber. (INIS-mf – 3963) 371737
Tara, Suenobu
Investigation of radiation proctitis in the Department of Surgery of the Gifu University. 367532
Tarakanov, V.P.
On the nonlinear stage of parametric interaction of waves in an active medium. 348871
Taran, Yu.V.
Ferromagnetic shutters for ultracold neutrons. (JINR-R – 3-9185) 349998, 376335
Five-layer ferromagnetic screen with a volume of 1,5m^3. (JINR-R – 13-9275) 350379
Taranenko, N.I.
Black chromium coatings on different structural materials. 351706
Electrolyte for electrodeposition of rhenium. (Soviet patent document 456044/A/) 375468
Taranov, G.S.
Hydraulic resistance of tubes with artificial roughness at low Reynolds numbers. (FEI – 559) 349982
Tarantin, N.I.
A gas discharge ion source for an on-line electromagnetic mass separator at a heavy ion accelerator. II. 367862
A gas-discharge ion source for an on-line electromagnetic mass separator at a heavy ion accelerator. I. 367861
Production of neutron-deficient isotopes of Fr and Rn while irradiating Ir by Ne ions. (JINR – 7-9566) 351377
Tarantini, M.
Analysis of the precision in effective mass and four-momentum transfer for forward produced systems using the magnetic spectrometer MIS. (JINR-E – 1-10718) 376719
Tarantola, A.
Local supercluster and anomalous Hubble expansion. 353699
Taranukha, O.M.
Studing structure and catalytic properties of Co-Mo-oxidic catalyst during its reduction by hydrocarbons. 378416
Tarapore, Z.S.
Sediment transport studies at Visakhapatnam. 367412
Tararaev, S.N.
Rolling of nickel base hardly deformable alloys in four-roller mills. 351723
Tararaksin, S.A.
Equipment for experiments on study of properties characterizing acoustic emission. (IAE – 2620) 376747
Taras, P.
The effect of preparation conditions and the ionizing radiation on the kinetics of cupric oxide reduction by hydrogen. 349360
Electromagnetic properties of the ground state rotational band in ^{169}Tm. 356900
Tarasenko, A.G.
The nature of variations in the radioresistance of sea urchin eggs in the early embryogenesis. 354741
Tarasenko, A.S.
Channels for vacuum ultraviolet radiation extraction from the N-100 storage ring. 370747
Tarasenko, N.D.
Obtaining potato mutants of the variety lorch resistant to Synchytrium endobioticum. 373738
Tarasenko, V.V.
Magnetoelastic waves in orthoferrites. 374696
Tarasiewicz, M.
Use of diethazine hydrochloride for the extractive spectrophotometric determination of uranium and as a redox indicator. 354308
Tarasko, M.Z.
Measurement of distribution density of total neutron cross-sections. (INIS-mf – 3895) 354183
Tarasov, A.D.
Study of the electron beam structure in a betatron by means of synchrotron radiation. 379512
Tarasov, B.A.
Surface diffusion of refractory metal atoms over polycrystal rhenium. 349473
Tarasov, E.K.
Magnetic field nonlinearity effect on the particle dynamics in the modified ITEP proton synchrotron. (ITEF – 53) 358008
Proposal for construction of superhigh energy proton accelerators. (ITEF – 11) 376388
Tarasov, N.F.
Way of obtaining a preparation containing technetium-99m. (Soviet patent document 434945/A/) 362815
Tarasov, S.I.
Studying and rating of building materials radioactivity. (INIS-mf – 3787) 352314
Tarasov, V.K.
sup(177)Os and sup(179)Os decay. 377971
Tarasova, N.P.
Ethylene interaction with carboxylic acids. 362282
Telomerization of olefins and ketones initiated by ionizing radiation. 378546
Tarasova, O.G.
Study of LET radiation effect on radiolysis and chemical stability of polycarbonate. 369799
Taratukhin, V.P.
Some biochemical effects of partial body irradiation in case of combined radiation action. 376101
Taratukhin, V.R.
Changes in the ATP-ase. Activity of tissues caused by combined irradiation of the organism under thermal stresses. 379029
Tardif, H.P.
Review of DREV uranium research. 373136
Tardy, B.
Field emission study of ammonia absorption and catalytic decomposition on individual molybdenum planes. 362367
Interaction of NH_3 with Mo at low and high temperatures studied by thermal desorption mass spectrometry. 369906
Tardy, J.
Use of MeV He^+ backscattering and (p, α) reactions to study the sputtering of LiF films bombarded with noble gas up to 40 KeV. 368888
Tareeva, E.E.
Orientation ordering in molecular hydrogen. 1. Transition temperature and symmetry change. 348851
Taritsyna, T.A.
Corrosion resistance of materials in chlorine. (INIS-mf – 3839) 365086
Tarjanne, R.
Prospects for small nuclear heating reactors in Finland. 376810
Tarkhanov, L.V.
Presence of uranium in the pre-cambrian albitites. 354680
Tarkovskij, E.I.
System of analog and digital data transmission out of a magnetic spectrometer into a computer. (ITEF – 54) 352836
Tarkowska, A.
Application of scintiscans data analyser AS-10 for estimation of perfusion distribution in lungs. 368328
Tarle, G.
Return to unsaturated response of polymeric scintillators excited by relativistic heavy ions. 368265
Tarle, M.
Radioiodination of iodinated estradiol-17β, 17-diphosphonate. (INIS-mf – 4010) 367155
Tarnopol'skaya, L.G.
Application of microfluorescence to the estimation of the effect of sulfur-containing radioprotectors in lymphoid tissue. 376117
Tarnowski, D.
Researches with the 600MeV Linac. Chapter 4. (CEA-N – 1959) 354138
Taroni, A.
Plasma power balance models for self-sustained tokamak reactors. 348886
Taroyan, S.P.
Energy resolution of a scintillation counter with a large NaJ(Tl) crystal. 358337
Tarrach, R.
Long-range NN interaction and axial polarizability. 372677
Tarrago, X.
Evidence for a short lifetime and a long lifetime regime in the deep inelastic collisions between ^{40}Ca and ^{64}Ni at 182 MeV. 372694
Fusion and deep inelastic collisions studied on the Ar + Au system. Pt. 2. 356765
Tarrant, J.R.
Production, L x-ray identification, and decay of the nuclide ^{260}105. 364745
Tarski, J.
Interactions of the extended conformal space-time. 355842
Tartaglia, A.
A canonical approach to the quantum problem on the motion of a particle in a viscous medium. 363849
Tartakovskij, V.K.
Diffraction approximation for taking into account nucleons and

recoil nuclei interaction in the $^{12}C(e,e'N)$ reaction. 375141
Tarte, G.
A detector for high-energy neutrino interactions. 379899
Tarter, C.B.
Calculations of impurity radiation and its effects on tokamak experiments. 348928
Observatory reports, Lawrence Livermore Laboratory, University of California, Livermore. 364413
Steady state radiative cooling rates for low-density high-temperature plasmas. (PPPL – 1352) 359001
Tarumov, Eh.Z.
Transport and focusing of high-current relativistic electron beams onto a target. (IAEA – 200) 353515
Tarutani, Y.
Atomic radii and lattice parameters of the A15 crystal structure. 353746
Tarutin, V.P.
Radioactive tracer study of process of treating colloidal capillary-porous materials with vapor. 367895
Tarvid, G.V.
State of and prospects for the application of neutron generators in national economy. (INIS-mf – 4194) 376363
Tas, H.
Post-corrosion analyses of a sodium – sodium heat exchanger after 60,000 hours sodium exposure. (CONF-760503 – P2) 352728
Tasaka, Kanji
Analysis of LOFT (LI-2) experiment by code RELAP-4J. (JAERI-M – 7037) 355009
DCHAIN: code for analysis of build-up and decay of nuclides. (JAERI – 1250) 355699
Neutron spectrum analysis in a heavy-water-moderated, light-water-cooled reactor. (JAERI-M – 7128) 379541
Tasaki, Ichiji
An approach to the study of intracellular proteins related to the excitability of the squid giant axon. 373698
Tashaev, Yu.A.
On cross sections of electron losses by ions with 2s and 2p electrons in outer shell. (INIS-mf – 3915) 371535
On specific features in the capture cross section of an electron by excited helium-like ions. (INIS-mf – 3915) 371476
Tashchyan, A.A.
Bistilbenes as mixers for plastic scintillator luminescence spectra. 361021
Tashimo, M.
The heat transfer characteristics of steam generators for FBR. 350266
Tashimov, M.A.
Complex of exchange equipment in the PA-BESM-4 system for chamber image processing. 371141
Multiplicities and forward-backward correlations in anti pp interactions at 22.4 GeV/c. 366882
Tashiro, Kanichiro
Irradiation of cancer of the uterine cervix and immunological mechanism. 354808
Tashkin, D.P.
Imaging sites of airway obstruction and measuring function response to bronchodilator therapy in asthma. (UCLA – 12-1124) 365465
Lung diffusion of soluble radioaerosols in scleroderma. (UCLA – 12-1141) 379143
Tashlykov, I.S.
Radiation damage and implanted impurity distribution in GaAs at P-ion implantation. (INIS-mf – 3996) 363957
Tashmatov, N.T.
Resistance of cotton radiomutants and their initial forms to low positive temperatures. 362676
Tasicj, R.
Ionization current chamber for the determination of aerosol particles concentration. 368708
Taskina, T.A.
Ionizing radiation-induced solidification of the urea-formaldehyderesins. (INIS-mf – 4194) 376279
Tasovac, T.
The radioactivity of Danube sediments between km 945 and km 1259 in the period from 1965 to 1975. 357523
Tassan-Got, L.
Structure in the energy spectra from inelastic heavy-ion reactions. 366976
Tassie, L.J.
Han-Nambu model with lambda', lambda" coupling. 366853
Tasso, H.
Connection between wave envelope and explicit solution of a nonlinear dispersive wave equation. (IPP – 6/158) 350544
Energy principle for dissipative two-fluid plasmas. (IPP – 6/160) 350956
Tatake, V.G.
On the origin of low temperature thermoluminescence in nucleic acid bases: excitation and emission spectral studies. 360221
Tatarchenko, T.N.
Particularities of sublimation kinetics of interference coloured oxide films on molybdenum and tungsten. 351594
Tatarchuk, V.V.
Aquation of chloropentammine-cobalt(3) ion in the presence of cadmium(2) ions. 351578
Tatarek, R.
Diffraction of molecular beams from a low temperature metal surface. 368743
Molecular beam diffraction of He and H_2: two different ways of probing the (001) face of NiO. 368752
Tatarinov, R.
Investigation of the annealing effects on the properties of welded joints of uranium with low-alloyed zirconium-1 and titanium alloys. 359992
Tatarinova, L.I.
Annealing effect on the anisotropy of obliquely deposited permalloy films. 370058
Tatarinova, O.M.
Investigation into electrochemical behavior of molybdenum VM-1 alloy at high current density. 349421
Studying VM-1 molybdenum alloy workability at high current density. 362361
Tatarkiewicz, J.
Distributions of energetic proton ranges in silicon as determined by the Monte Carlo method. 358612
Tatarkina, A.L.
Studying lattice period changes in ruthenium base ternary solid solution using experiment mathematical planning method. 349429
Tatarnikov, A.P.
The radiometric enrichment of poor uranium ores. 365115
Tataronis, J.A.
Plasma effects on the absorption spectrum for the ordinary mode in a magnetized plasma. (INIS-mf – 3963) 371779
Resistive effects on Alfven wave heating. 366575
Tataru-Mihai, P.I.
A simple bootstrap model for the multiplicity distributions. 353910
Tatcher, M.
Application of Cunningham's model to the calculation of the radiation beams of a cobalt therapy machine. (INIS-mf – 4052) 373903
Radiation dose to the breast in mammographic examinations. (INIS-mf – 4052) 376127
Tateisi, Yoshinori
Cause of defect in the end plug welding of the JOYO fuel pin. (PNCT – 831-76-01) 379799
Tatemichi, Shin-ichiro
Fastening device of component elements in nuclear reactor. 368031
Tateyama, Midori
Changes in hybridizable RNA in winter wheat embryos during germination and vernalization. 379190
Tatkin, L.Z.
Vessel for x-ray analysis of liquid mixtures in flow. (Soviet patent document 494646/A/) 351452
Tatlock, G.J.
Charge density waves in TaS_2. 371692
Tatsij, L.I.
Study of film data processing systems by means of a statistical simulation. (INIS-mf – 3909) 374521
Tatsij, V.F.
Shock waves effect on zirconium dioxide. 349560
Tatsumoto, M.
History of the Pasamonte achondrite: relative susceptibility of the Sm-Nd, Rb-Sr, and U-Pb systems to metamorphic events. 377659
Tatsuta, Hatsumi
Comparison of measured doses by film badge and other personnel dosimeters. 379342
Tattersall, J.O.
Nuclear plant safety. 363025
Tatum, C.B.
Nuclear plant modeling. 358117
Taub, A.A.
Hygienic aspects of biological effects of ultraviolet radiation in industry. 360552
Taub, A.H.
High-frequency, self-gravitating, charged scalar fields. 353060
Spatially homogeneous universes. 356328
Taub, H.
Pressure dependence of the lattice parameters of naphthalene up to 5.5 kbar and a re-evaluation of the elastic constants. 369620
Taub, I.A.
Mechanisms of inter- and intra-molecular electron transfer in cytochromes. 357562
Taubenblat, P.W.
Modern developments in powder metallurgy. 362509
Tauber, H.
An assessment of the C-14 dating method. (INIS-mf – 4037) 357503
Tauber, M.
Results of sludge irradiation with electrons at AEG Telefunken Radiation Center in Wedel. (INIS-mf – 4220) 379415
Taubmann, W.
The present status of the techniques of neutron flux density measurement. 355512
Taulbjerg, K.
Polarization of X rays from light ion-atom collisions. 377054
A semiclassical approximation in inelastic ion-atom collisions. 377130
Taumann, H.
Mevatron 20 – medical linear accelerator with a special radiation quality. (AED-Conf – 77-133-009) 352350
Taumann, L.
Radiotherapy today: mevatron 20, a compact high-power accelerator. 365664
Taunt, R.J.
Mechanisms affecting chemistry and material properties at crack tips in metals. 354569
One the reaction product morphology of alloy 800 in simulated HTR helium. (CEGB-RD/B/N – 3914) 351672

Taurbaeva, T.I.
Sorption of cesium-137 by xerogels and oxides of some metals. 357112
Taure, I.Ya.
Neutron activation determination of certain noble metals in glass with preliminary extraction separation. (INIS-mf – 4188) 375325
Tausch, G.
Influence of NaF on the DNA-metabolism during an osteoporosis therapy. (SGAE – 2717) 357597
Tauscher, L.
Evidence for bound states in the anti pp-system. 377811
Evidence for narrow bound states related to the panti p system. 377817
High-spin states and neutron multiplicities after pion capture in ^{181}Ta and ^{209}Bi. (INIS-mf – 4267) 377966
Measurements on light antiprotonic atoms. 376976
Pion absorption by ^{3}He. 377963
Study on antiprotonic atoms of light nuclei and isotopes. 371523
Taussig, R.T.
High thermal efficiency advanced fuel fusion reactors. (EPRI-ER – 536-SR) 372054
High thermal efficiency, radiation-based advanced fusion reactors. Final report. (EPRI-ER – 544) 366644
Tautz, J.
Nuclear reactor. (German (F.R.) patent document 2455060/C/) 355284
Tautz, M.
201-GeV/c proton-proton elastic scattering at large momentum transfer. 366888
Tavadyan, L.A.
Critical phenomena in catalyzed oxidation of aldehydes. 357069
Tavan, M.
Particle morphology in the early stages of radiation-induced heterophase polymerization of vinyl chloride. 373075
Tavanov, Eh.G.
Measurement of ionization density distribution over dielectric material depth in case of pulsed irradiation with an electron beam. 357880
Tavansi, A.
Magnetic properties of some terbium alloys with a CsCl structure. 374669
Tavares Neto, E.J.
Pressure on the solar corona. 363850
Tavares, A.D.
Anomaly in the permittivity due to the thermodielectric space charge. (INIS-mf – 4127) 364134
The Costa Ribeiro effect and the thermodielectric electret. (INIS-mf – 4127) 364133
A high precision permittivity measuring device. (INIS-mf – 4127) 366056
Tavares, O.A.P.
(γ,n) reactions in complex nuclei at intermediate energies. 354177
The ^{16}O (γ,4p5n) ^{7}Be reaction as a monitor of intermediate-energy bremsstrahlung doses. 364589
Analysis of intermediate-energy (γ,n) reactions in complex nuclei. (CBPF – A0026/77) 364671
Cross sections of (γ, xn) reactions in complex nuclei at intermediate energies. 356744
Experimental evidences of spontaneous and low-energy induced emission of heavy ions from even-even heavy nuclei. (CBPF – A0025/77) 364755
Photodisintegration of light and medium-weight nuclei at intermediate energies. 4. (CBPF – A0027/77) 364678, 375168
Some remarks on ^{13}N photoproduction from ^{16}O and ^{19}F at intermediate energies. 354234, 364588
Tavassoli, A.A.
Creep ductility decline of alloy 800. 351817
Tavdgiridze, T.L.
On the problem of wave transformation on the dielectric-turbulent plasma interface. (INIS-mf – 3255) 350892
Tavel, M.A.
Transferring concepts in nuclear technology with computer generated films. 358617
Transferring concepts in nuclear technology with computer-generated films. 352563
Tavkhelidze, A.N.
Are additional heavy quarks necessary to explain the observable behaviour R(s) observable behaviour R(s). 369304
Construction of the effective potential in the quantum field theory with temperature. 348596
Tavoni, R.
Fission and corrosion product activities studied in Italy. (IWGFR – 7) 360992
Tawara, H.
Directional anisotropy of secondary electron bremsstrahlung induced by proton bombardment of thin solid target. 377041
The ionization of relativistic K-electrons by light ion impact in the MeV energy range. 377131
Taya, S.
A stigmatic second-order, double-focusing mass spectrometer. 371181
Tayel, F.
Problems facing nuclear research in developing countries. 352537
Taylor, A.
Application of dual-ion irradiations to fusion materials problems. 358987
Void ordering in ion-irradiated Nb and Nb-1%Zr. 370183
Taylor, A.D.
Reflector studies for pulsed neutron moderators. (RL – 77-140/A) 377835
Taylor, A.R.
Experiment on the efficient polarization of ultracold neutrons. 379838
Taylor, B.G.
The ability of a gas scintillation proportional counter to reject background events in a space environment. 358333
Taylor, C.A.
Application of protons to computer tomography. (LA-UR – 77-2385) 373567
Taylor, C.B.
Interlaboratory comparison of low-level tritium measurements in water. 375373
Taylor, C.B.G.
Packaging and transport of radioisotopes. 350042
Taylor, C.R.
Paint and coating material as film-forming solution hardenable by ionizing radiation. 367345
Taylor, D.G.
A small multiwire proportional chamber of novel design. 371087
Taylor, D.J.
30th anniversary of GLEEP. 350277
Taylor, D.R.
The electric susceptibility and specific heat of praseodymium magnesium nitrate. 348783
Jahn-Teller antiferroelectric ordering in praseodymium hydroxide. 355981
Taylor, D.W.
Kinetics of the carbon-carbon dioxide reaction under a continuous and linear increase in temperature. 365227
Taylor, F.E.
Inclusive production of π^{+-}, K^{+-},p,p-bar in high-energy p-p collisions. 372527
Taylor, G.
Deformation behaviour of dilute niobium – nitrogen alloys. 362483
Taylor, G.F.
Heat exchanger tubing materials for CANDU nuclear generating stations. (AECL – 5832) 363483
Ongoing tests check Candu corrosion. 362309
Taylor, G.N.
^{224}Ra toxicity from a pilot study in beagles. (COO – 119-252) 373615
DTPA research at the University of Utah. 354857
Zn-DTPA administered by slow-release implant. (COO – 119-252) 373592
Taylor, G.R.
Dynamic sparger for measuring low helium concentrations in liquid sodium. (CONF-760503 – P2) 352750
Small sodium-to-gas leak behavior in relation to LMFBR leak detection system design. (CONF-760503 – P2) 352758
Taylor, G.W.
Experience with the helium afterglow impurities monitor at the Ft. St. Vrain Nuclear Power Station. (LA-UR – 77-1977) 363469
Taylor, H.A.
Safety considerations in the fast reactor fuel cycle. 370528
Taylor, H.A. Jr.
Improved comparison of the LHR frequency observed by a VLF receiver and calculated from ion density measurements on the same spacecraft. 367434
Taylor, H.M.
Proposed outline of safety analysis report for facilities for geologic isolation of radioactive wastes. (Y/OWI/SUB – 77/22320) 358539
Taylor, H.W.
A coincidence study of the decay of 35.8y sup(150m)Eu. 354266
Levels in ^{146}Nd populated by the β^{-} decay of 24 min ^{146}Pr. 356901
Taylor, I.W.
Observations of overdense Quadrantid radio meteors and the variation of the position of stream maxima with meteor magnitude. 356254
Taylor, J.B.
Influence of diffusion on the resistive tearing mode. 364189
Rare earth arsenides: the metal-rich europium arsenides. 378743
Scaling laws for plasma confinement. 348897, 371796
Taylor, J.C.
Structure of high-energy jets in six-dimensional phi^{3} theory. 372491
Taylor, J.D.
Large high current density superconducting solenoids for use in high energy physics experiments. 360722
Quenches in large superconducting magnets. (LBL – 6718) 370718
Taylor, J.H.
Galactic distribution and evolution of pulsars. 359172
Taylor, J.M.
Assessment of the environmental impacts produced by the transport of radioactive materials through urban areas. (SAND – 77-0853C) 373598
Model to predict the radiological consequences of transportation of radioactive material through an urban environment. (SAND – 77-0844C) 373577
A risk assessment for the transportation of radioactive materials in the USA. 350039
Taylor, J.R.
Screened Coulomb scattering in the eikonal approximation. 350679
Taylor, K.
Observations of the [O IOTA], lambda 6300 velocity field of NGC 7293, the 'Helix' nebula. 356329
Taylor, K.N.R.
Location of hydrogen in α-zirconium. 367264
Spin adjustment in (Gd,Dy)Al_2. 356020
Taylor, M.A.
The Rasmussen report. A retrospective and prospective view. 370587

Taylor, P.O.
Absolute cross sections for 2s-2p excitation of C^{3+} by electron impact. 368709
Taylor, R.
Supposed failure of the Boltzmann equation in Nb. 351773
Taylor, R.D.
A low cost synchronous digital triangle generator and servo loop preamplifier for Moessbauer systems using 2sup(n) channels of memory. 355554
Taylor, R.E.
Deep inelastic electron and muon scattering. (SLAC-PUB – 1613) 377771
Thermal transport in refractory carbides. 373308
Taylor, R.G.
Criticality safety survey computations of uranium hexafluoride freezer/sublimer tube lattices. (K/DD – 1000) 352409
Taylor, R.H.
Status of MUSL-2: the second microtron using a superconducting linac. 363147
Taylor, R.J.
Experimental facilities for the development of the United Kingdom high-level liquid solidification process. 358507
Trapping and removal of oxygen in tokamaks. 348948
Taylor, S.R.
Limits to the expansion of Earth, Moon, Mars and Mercury and to changes in the gravitational constant. 369160
Taylor, T.
Proliferation issues. 374504
The spins of low-lying states of ^{60}Co. 378069
The structure of low-lying states of ^{60}Co. 378068
Taylor, T.A.
High energy absorption-porous beryllium and the process for producing it. 357209
Taylor, T.B.
Nuclear proliferation: motivations, capabilities, and strategies for control. 365728
Nuclear safeguards. (CONF-760744 –) 358591
Taylor, T.N.
Catalysis studies. (LA – 7016-MS) 373036
Taylor, V.
Is plutonium really necessary. (CONF-7605150 – 1) 353014
Taylor, W.C.
Considerations in establishing criteria for nuclear waste facilities. (ORP/CSD – 77-2) 374453
Taylor, W.R.
Leakage tests for Type B packages. 350043
Tazawa, M.
A neutron shutter for a cyclotron facility. 358007
Tazawa, S.
KEK booster to main ring beam transfer system. 363142
Tazawa, Shichiro
Full aperture kicker magnets for KEK proton synchrotron. (KEK – 76-21) 355212
Tazhiev, N.
Determination of some elements using ^{252}Cf source. 375963
Tazima, T.
Outgassing rates before, during and after bake-out for various vacuum and first wall candidate materials of a large tokamak device. 369010
Tazzari, S.
On the optimization of e^+e^- rings in the 2x40-2x100 GeV range. Some future perspectives. (INFN-LNF – 77-13(R)) 370768
Tchakarova, I.
Use of body scanner in radiotherapy treatment planning. 357599
Tcheou, F.
Magnetic structures of PrSi and NdSi intermetallic alloys. 349506
Tchorzewski, H.
Effect of ionizing radiation on some properties of rabbit polymorphonuclear granulocytes. 373550
Tchrakian, D.H.
A class of pseudoparticle solutions of the SO(5) Yang-Mills equations. 355843
Uniqueness of the BPST instanton. 353160
Tchuvil'sky, Yu.M.
Isobaric component of the deuteron in the quark model. 369451
Teague, H.J.
European in-pile investigations of fast breeder reactor safety. 371006
Teague, S.V.
Charge distribution on plutonium-containing aerosols produced in mixed-oxide reactor fuel fabrication and the laboratory. (LF – 56) 365461
Fabrication and use of krypton-85 aerosol discharge devices. (LF – 56) 365338
Field characterization of plutonium aerosols in mixed-oxide fuel fabrication. (LF – 56) 365450
Sampling equipment and procedures used in field characterization of industrial plutonium aerosols. (LF – 56) 365337
Teaney, P.E.
Studies of ytterrium getting efficiency in radioisotopic heat sources. 370694
Teates, C.D.
Clinical evaluation of the Cleon imager. 374369
Tebbutt, N.J.
The complex motions of the neutral and ionized gas within the Dumb-bell Nebula (NGC 6853) – II. 374911
Tebelev, L.G.
On the effect of aqeous phase composition on extraction of neodymium by TBP. 378494
Spectrophotometric study of H_2O-$Nd(ClO_4)_3$-tbp and H_2O-$Nd(NO_3)_3$-tbp systems. (NIIAR-P – 12(306)) 378342
Tebenkov, V.A.
Application of nuclear geophysics techniques in exploration of holes in the phosphorite fields of the Karatau. 357477
Tedder, D.W.
Preliminary assessment of partitioning and transmutation as a radioactive waste management concept. (ORNL/TM – 5808) 368365
Tedrow, P.M.
Measurement of the supercooling curve of a paramagnetically limited superconductor. 356372
Teegarden, B.J.
Cosmic ray investigation for the Voyager missions; energetic particle studies in the outer heliosphere – and beyond. 374970
Search for gamma-ray bursts with coincident balloon flights. (N – 77-14977) 361676
Teekman, N.
Albedo-dosimeter response to monoenergetic neutrons. 355049
Teer, D.G.
The ion plating technique. 377296
The role of ions and neutrals in ion plating. 377297
Teese, R.B.
Semileptonic decays of the D-mesons in a spectrum-generating SU_4. 364512
Spectrum-generating SU(4) in particle physics. II. Electromagnetic decays of vector mesons. (ORO – 3992-317) 372367
Tegeback, R.
Induced radiation from a plasma cylinder. 348917
Tegeler, E.
X-ray spectroscopic studies of the electronic structure of the oxyanions NO^-_2, NO^-_3, and CO^{2-}_3. (DESY-SR – 77/14) 353291
Tegenfeldt, J.
Hydrogen bond studies. Pt. 125. 355953
Teggers, H.
Hydrogasification of brown coal using process heat from high-temperature gas-cooled nuclear reactors. (GFERC/IC – 77/1) 379618
Teherani, D.K.
Determination of heavy metals in fishes from Upper Austrian waters. (SGAE – 2726) 357586
Tehng, U.M.
Some problems in the theory of tokamak microinstabilities. (IAE – 2584) 361585
Teichler, H.
On the theory of muon diffusion in metals. 366477
Teichmann, J.
Experimental study of dynamic stabilization of dissipative drift modes by oscillating azimuthal magnetic field. 366589
Teig, L.
Recent results from counter-spark chamber ν experiment at BNL. 353980
Teijeiro, J.
Clinical assessment of angioscintigraphy and brain sequential scintigraphy with sup(99m)Tc-DTPA. (INIS-mf – 4010) 357674
Teillet-Billy, D.
The NO^- $^3\Sigma^-$ and $^1\Delta$ resonance: theoretical analysis of electron scattering data. 377132
The NO^- $^3\Sigma^-$ and $^1\Delta$ resonances: theoretical analysis of electron scattering data. 353371
Teitel, D.
Influence of vanadium on hydrogen diffusion and phase constitution in Ti-H. 371631
Teitelbaum, G.B.
Non-universal dynamic scaling in two-dimensional degenerate systems. 355827
Teitelbaum, Z.
Radioimmunoassay for lutenizing hormone. (IA – 1338) 365495
Teitelboim, C.
General relativity a la string: a progress report. 355831
Remarks on the many-time canonical quantization of gravitation. 355824
Supergravity has positive energy. 350497
Teixeira, A.F. da F.
Einstein gravitation from scalar nonsingular sources alone. 368596
Exact relativistic solution of disordered radiation with planar symmetry. 350551
Relativistic neutral Yukawa systems. (CBPF – A0007/77) 363760
Spherical diffuse Yukawa sources in relativity. (CBPF – A0010/77) 363842
Static, axially symmetric vacuum fields. (CBPF – A0029/77) 363851
Teixeira, N.L.
Electron localization in disordered one-dimensional systems and solitary waves in Ginzsburg-Landau (phi^4) field theory. 355832
Tejfel', V.G.
On molecular hydrogen content in the atmospheres of the Jupiter and the Saturn. 377657
On the methane and ammonia abundance in the Saturn atmosphere. 364414
Tejima, M.
Control computer system for KEK proton synchrotron. 363272
Tejsheva, A.A.
Way of preparation of aqueous solutions containing ruthenium compounds. (Soviet patent document 469665/A/) 354348
Teke, A.A.
Using scintillation gamma spectrometry in photoactivation analysis. 376027
Tekie, P.
Theory of the one-dimensional "mixed" state in superconductors of the first kind. 364456

Tekippe, V.J.
Magnetic phase-dependent Raman scattering in EuS and EuSe. 360029
Tekou, A.
High-energy heavy-ion scattering and the optical phase shift function. 359398
Tel'kovskij, V.G.
Direct energy conversion of monochromatic ion beams with space charge compensation. 374865
Nickel alloys and stainless steels peeling during ion irradiation. (INIS-mf – 3954) 362557
Selection of material for thermonuclear reactors. (INIS-mf – 3954) 362421
Steels and nickel alloys sputtering during deuterium ion irradiation. (INIS-mf – 3954) 361422
Study on molybdenium and its alloys for thermonuclear reactors. (INIS-mf – 3954) 362547
Temperature dependence of erosion of vanadium and niobium alloys when irradiated with helium ions. 378801
Tel'noj, V.I.
Thermochemistry of some molybdenum and tungsten cyclopentadienyl compounds. 365001
Tel'nov, Yu.Ya.
Subnanosecond silicon detector. 371074
Telegdi, V.L.
Average polarization of ^{12}B in $^{12}C(\mu,\gamma)^{12}B$(g.s.) reaction: helicity of the π-decay muon and nature of the weak coupling. 356519
Telesnin, R.V.
On pulsed magnetization reversal mechanisms in thin magnetic films in weak fields. 369974
Telezhnikov, S.A.
Analysis of secondary gamma quanta resulting from resonance neutron capture by ^{155}Gd and ^{157}Gd nuclei. (INIS-mf – 3897) 356679
Study on gamma rays from the $^{173}Ybsub$ (n,γ) ^{174}Yb reaction with resonance neutrons. (INIS-mf – 3897) 354131
Telichko, M.T.
Effect of environment temperature on defect formation in solids irradiated with fast neutron. 370142
Telkowski, L.
Isotopic perturbation of degeneracy. Carbon-13 nuclear magnetic resonance spectra of dimethylcyclopentyl and dimethylnorbornyl cations. 378387
Telle, H.
Luminescent reactions between calcium atoms in metastable states and hydrogen chloride. 376979
Teller, E.
Technical initiatives on early sufficiency in energy. 376813
Teller, S.
Nucleonic weighing systems. 376738
Teller, V.S.
Device for flattening statistically distributed pulses. 358427
Tellgren, R.
Neutron diffraction refinement of paraelectric $CsH_3(SeO_3)_2$. 371578
Tellier, C.R.
Analytical approximate equations for the resistivity and its temperature coefficient in thin polycrystalline metallic films. 353493
Tellkamp, T.
Automated generation of spectrum-compatible artificial time histories. 373837
Theoretical and experimental studies on the damping behaviour of pipeline elements made of austenitic and ferritic steels. 370827
Teloy, E.
Ion – molecule reactions of N^+ with CO: Integral reactive cross sections in the collision energy range 0.2 – 13 eV. 368632
Temchin, A.N.
On the two-component form of the Dirac equation. 368598
Temiraliev, T.
Charge asymmetry at large psub(T) in inelastic anti pp reactions at 22.4 GeV/c. 353943
Multiplicities and forward-backward correlations in anti pp interactions at 22.4 GeV/c. 366882
Temiralieva, G.A.
Characteristics of the repair – deficient mutants 1435 plague microbe strain. 370324
Temkin, A.
Annihilation during positron-hydrogen collisions: Addendum and erratum. 363872
A distorted-wave methodology for electron-ion impact excitation: calculation for two-electron ions. 350572
Modification of the method of polarized orbitals for electron-alkali scattering: calculation of e-Li. 376974
Temme, M.I.
Applicability of the Reactor Safety Study (WASH-1400) to LMFBR risk assessments. (CONF-761001 – P2) 362909
Temnikov, M.A.
The radiometric enrichment of poor uranium ores. 365115
Temnov, R.P.
Scram rod drive. (Soviet patent document 451399/A/) 355358
Temnyj, V.V.
Bow shock and α component in the transition region, from measurements on the high-latitude satellite Prognoz. 349035
Characteristics of the proton and alpha solar wind components after the passing of interplanetary shock waves by observations on the "Prognoz" satellite in May, 15 and 30, 1972. 377669
Measurements of the proton and α component of plasma by the Prognoz satellite during high solar activity. 349032
Tempel, K.
Effects of 6-methyl-uracil upon the phagocytic activity in mice following whole-body X-irradiation or 2,4,6,-triethyleneimino-s-triazine treatment. 376106
Influence of whole-body X-ray irradiation and 2,4,6-triethyleneimino-1,3,5-triazine on the hypnotic effect of hexobarbital in mice. 365380
Templain, C.J.
Preliminary study of uranium favorability of the Wilcox and Claiborne Groups (Eocene) in Texas. (GJBX – 7(78)) 378886
Temple, J.A.G.
Magnetoresistance of praseodymium. 378744
Temple, W.
Ion beam studies. VI. 355074
Templeton, D.H.
Crystal structure of tetrakis[bis(N,N'-dimethylethylenediamido)uranium(IV)], a tetrameric globular complex. 367150
Structure of uranyl nitrate-bis(tetrahydrofuan). 378486
Templeton, L.C.
Radiation-induced mobility of substitutional hydrogen in MgO. 362530
Templeton, T.L.
The TRIUMF thermal neutron facility as planned for operation by 1978. (TRI – 77-1) 360710
Temte, A.
Morphometry, benthos, and sedimentation rates of a floodplain lake in Pool 9 of the Upper Mississippi River. 362596
Tenckhoff, E.
The causes of stress relief cracking in heat-affected zones of low-alloy, fine-grained structural steels. 373155
Tendeloo, G. van
Selective radiation damage in the long period ordered Au_4Zn alloy. 349605
Tendera, P.
Application of deuteron and alpha activation in materials research. (INIS-mf – 4143) 373131
Determination of micro-alloying additions and trace elements in standard steels by neutron activation analysis. (INIS-mf – 4143) 372844
Tendler, M.B.
Electron energy distribution in a high pressure gas discharge sustained by a high current electron beam. 355921
Tendolkau, G.S.
Densification in W-Cu sintered alloys produced from coreduced powders. 357062
Tendow, Y.
The dependence of multiple inner-shell ionization on the projectile energies and on target elements by nitrogen-ion bombardment at the energy above 4 MeV/amu. 353180, 376964
Tenenbaum, A.
Temperature dependence of low-energy radiation damage. 354625
Teng, L.C.
Effects limiting accelerated beam intensity in the largest proton synchrotron. (CONF-770709 – 12) 363358
Tenku, Atsuko
A radioimmunoassay for human ACTH. 354949
Radioimmunoassay for steroid hormones, 2. 349864
Tennakone, T.
Strong gravity with a cosmological constant. 366868
Tennant, G.B.
Estimation of serum folate by a radioassay and a continuous-flow method, compared with an established microbiological tube assay. 373679
Tennery, V.J.
Assessment of fibrous insulation materials for the selenide isotope generator system. (ORNL/TM – 5908) 379399
Processing and composition control of weak-acid-resin-derived fuel microspheres. 365214
Processing requirements for property optimization of Eu_2O_3-W cermets for fast reactor neutron absorber applications. (CONF-771137 – 1) 373303
Radiological environmental assessment of the recycle of LMFBR advanced fuels. (CONF-771008 – 5) 373872
Structural characterization of HTGR pyrocarbon fuel particle coatings. 357431
Tenney, D.R.
Diffusion analysis for two-phase metal-matrix composite. (N – 77-14207) 362467
Influence of temper condition on the nonlinear stress – strain behavior of boron – aluminum. Interim report, March – October 1976. (N – 77-26271) 378786
Tennfors, E.
Forced radial oscillations of a fully ionized cylindrical plasma surrounded by a partially ionized plasma shell. 366509
A limitation of RF electric fields in a partially ionized blanket. 374861
Magnetoacoustic resonance heating of a plasma bounded by partially ionized layers. (INIS-mf – 3963) 374809
Tenorio-Tagle, G.
Colliding ionization fronts. Pt. 1. 353713
Tenreiro, R.D.
Transport coefficients of the relativistic degenerate electron gas in a strong magnetic field. 349033
Tentyukova, G.N.
File structure and organization in the automation system for operative account of equipment and materials in JINR. (JINR – 10-8725) 368487
Tenyakova, L.A.
Photometric determination of molybdenum by dithiopyrylmethane of propyl dithiopyryl methane in titanium alloys. (INIS-mf – 4191) 375374

Teodoro, D.
Study of $A_2^- \rightarrow$etaπsup(-) in the reaction πsup(-)p→πsup(-)πsup(-)πsup(+)πdegp at 11.2 GeV/c. 369279
Teodoro, M.R.
A model of quasi-free scattering with polarized protons. (INIS-mf – 4123) 364722
Teodosiu, T.
Effects of cobalt-60 gamma-irradiation in association with prostaglandin E_1 treatment on the cyclic AMP levels of some radiosensitive tissues. 367510
Teofilo, V.L.
TDHR-a Tokamak demonstraction hybrid reactor. 377377
Teofilovski, C.
Hot laboratory of the Boris Kidric Institute of Nuclear Sciences. 360664
Teoule, R.
Molecular aspects of chemical radiosensitization. 354733
Tepent'ev, V.F.
On fatique fracture mechanism of the molybdenum alloy-TSM-1O. 349547
Teper, M.
Are hydrodynamic models of high-energy collisions credible. 372465
Teplitz, D.C.
Isobar formalism and one-pion-exchange partial-wave cross sections in $\pi N \rightarrow \pi\pi N$. 351135
Teplitz, V.L.
Cosmological implications of massive, unstable neutrinos. (ORO – 3992-313) 372397
Cosmological upper bound on heavy neutrino lifetimes. (ORO – 3992-308) 361881
Cosmological upper bound on heavy-neutrino lifetimes. 351150
Isobar formalism and one-pion-exchange partial-wave cross sections in $\pi N \rightarrow \pi\pi N$. 351135
Teplov, A.A.
Critical magnetic fields in lamellar thin-film vanadium-carbon structures. 349052
Observation of superconducting transition temperature oscillations in metal – nonmetal film systems. 351780
Teplov, M.A.
Anomalous temperature dependence of spin-lattice relaxation of praseodymium nuclei in $Pr_2(SO_4)_3x8H_2O$ monocrystal. 348758
Magnetic properties of $PrAlO_3$ in tetragonal phase. 356003
NMR study of singlet ground state systems. 378793
Teplov, Yu.F.
Target systems of multichannel laser thermonuclear facilities. (INIS-mf – 3954) 361509
Teplova, Ya.A.
Comparison of experimental and calculated by the Born approximation excitation cross sections of Li^+, Be^{+2}; B^{+3} and C^4 ions in collisions with He and Ar atoms. (INIS-mf – 3915) 348739
On cross sections of electron losses by ions with 2s and 2p electrons in outer shell. (INIS-mf – 3915) 371535
On specific features in the capture cross section of an electron by excited helium-like ions. (INIS-mf – 3915) 371476
Teplyakov, V.A.
Technique for stabilizing the amplitude and phase of the hf field in accelerator resonators. (Soviet patent document 434899/A/) 355213
Tepoyan, L.O.
Device for the measurement of instantaneous value of magnetic field strength of synchrotron electromagnets. (EFI – 162(76)) 350052
Ter-Akop'yan, G.M.
Multiplicity of prompt neutrons in spontaneous fission of ^{238}U. (INIS-mf – 3896) 356859
Ter-Akopian, G.M.
Experiments to produce isotopes of superheavy elements with atomic numbers 114-116 in ^{48}Ca ion reactions. 372801
Ter Haar, D.
Faraday rotation and the turbulent structure of the Galaxy. 369042
Ter-Martirocyan, K.A.
Description of np<pn and anti pp→antinn processes in the theory of complex moments. (ITEF – 30(1974)) 366827
Ter-Martirosyan, K.A.
S-channel unitarity in the Pomeron theory with α/sub P/(0) > 1. 361788
Theory of the direct four-fermion interaction. 361824
Ter-Pogossian, M.M.
Determination of radionuclide concentrations with positron CT scanning (PETT): concise communication. 352096
Ter-Pogosyan, R.A.
On the autoimmunizing action of X-radiation and the antibiotic. 379044
Ter-Sarkisyan, G.S.
Organic boron compounds. 378343
Terada, K.
Radioactive waste package development at the Rocky Flats Plant. 350025
Terada, Kikuo
Application of strong phosphoric acid to radiochemistry. 367156
Terada, O.
Collapse test of a model shipping cask under high external pressure. 350044
Terai, Kiyohide
Fundamental studies on electron beam welding of heat-resistant superalloys for nuclear plants. (2). 359863
Some considerations on electron beam welding of heat-resistant superalloys for nuclear plants. 359885
Terai, M.
An application of activation analysis of aluminium in biological materials. 372933
Terakura, K.
A note on the solubility and the heat of solution of impurities in BCC transition metals. 357336
Teranaka, M.
Inclusive Λ, anti Λ and Σ⁺(1385) production in 405 GeV/c pp interactions. 377810
Some features in rapidity space of multiparticle production by proton-proton collision at 102 GeV/c. 353970
Terao, Kazuhiko
Aluminum-stabilized multiplex superconductor and magnet. 358988
Terasaki, Kunihiko
Non-leptonic and radiative decays of hyperons. (RRK – 76-8) 366869
Non-leptonic decays of Ω^-. (RRK – 77-3) 366870
Terasaki, O.
Experimental confirmation of the isotopic volume effect in superconducting molybdenum by means of energy-dispersive x-ray diffraction at low temperatures. 351786
Terasawa, M.
Double K-shell ionization of light elements by hydrogen and helium ion impact. 377049
Projectile Z dependence of double K-shell ionization in light elements by hydrogen- and helium-ion bombardment. 371499
Terasawa, Michitaka
Fixation method of radioactive gaseous wastes and its device. 350400
Terasawa, Mititaka
Swelling of type 304 stainless steel bombarded with 200 keV C^+ ions. 349602
Terasawa, T.
A dynamic polarization potential for heavy-ion scattering. 362008
Terashima, Noritsugu
Radiotracer experiments on lignin reactions, 2. 379424
Radiotracer experiments on lignin reactions, 3. 373978
Terashima, Y.
Tokamak experiments on JIPP T-II device. (INIS-mf – 3963) 371853
Terashima, Yoshinosuke
Gradient B drift instability in toroidal systems. 371817
Nonlinear heat and particle transport due to collisional drift waves. (IPPJ – 281) 368979
Teratani, S.
Near-infrared emissions in additively coloured or neutron-irradiated ZnS. 370193
Terayama, Y.
Development of KEK injector linac. 363357
Terebizh, V.Yu.
The spectra of galaxies with high surface brightness. 374898
Terekhov, A.V.
Perculiarities of the toxicity and radioprotective activity of aminopropyl aminoethyl thiophosphate. 379045
Toxicity and radioprotective action of a complex of sulphur-containing substances. 370378
Terekhov, B.A.
The application of TEhN-30 electrocharged pumps in vacuum system of linear electron accelerator. (KFTI – 75-10) 355188
Terekhov, G.I.
On application possibility of ultracold neutron wall and magnetic traps for free neutron lifetime measurement. 371114
Stationary and nonstationary flow of ultracold neutrons along a guide tube in the frame of the diffusion approximation. 377840
Ultracold neutron transport in the diffusion approximation. (INIS-mf – 3895) 354017
Terekhova, N.B.
Excited UO_2^{2+} complexes during oxidation reaction by ozone in sulfuric-acid solutions. (INIS-mf – 4195) 375665
Terekhova, T.D.
The NEXT module system for the M-220 computer. (FEI – 562) 350449
Teren, S.
The development of miniature sensors for in-core measurement. (ZJE – 198) 379902
Terent'ev, A.I.
X-ray CdTe detectors. 376642
Terent'ev, B.M.
Optimization of RS-tape apparatus radiation protection. 349941
Terent'ev, E.P.
Continuous radiometric control of P_2O_5 content in phosphorite ore pulp. 349614
Terent'ev, Eh.P.
Measurement of beryllium coating thickness using alpha radiation. 379401
Terent'ev, N.G.
Some problems of methodology for ore testing in containers. 354645
Terent'ev, V.F.
Cyclic strength of molybdenum alloys Mo-Ti-Zr-C and Mo-B-Al-C at room temperature. 378745
Terent'ev, V.P.
Estimation of radioactive contaminants in Cm^{242} and Cm^{244} isotopic fuels. 367880
Terent'eva, N.I.
Effect of electrolysis conditions on the composition of electrolytic tungsten-rhenium alloys. 349312
Terentyeva, A.B.
Investigation of rare earths extraction by branched monocarboxylic acids. 351530

Tereshchenko, F.F.
Effect of magnetic surface parameters on low-frequency fluctuations of plasma. (KFTI – 74-36) 348974
Tereshin, G.S.
Investigation into reaction of yttrium ions with amino benzyliden phosphonic acid. 369712
Tereshkevich, M.O.
Thermodynamic characteristics of concentrated solutions of group 2 metal nitrates at high temperatures. 349247
Tereshkin, Yu.M.
On the intensity of the electron synchrotron with cyclotron preacceleration. 350082
50 MeV electron synchrotron with cyclotron preacceleration. 350092
Terhune, R.W.
Containment analysis for the simultaneous detonation of two nuclear explosives. (UCRL – 52268) 363120
Terkessidis, J.
Significance of the helium turbine power plant at Oberhausen (EVO) and of the high-temperature helium test facility at Juelich (HHV) for the development of the HTR direct-cycle system (HHT). 379696
Terletskij, Ya.P.
On thermodynamical stability of star clusters. 349008
Termaat, K.P.
Power control of the Dodewaard power reactor by application of the 'neutron poison' gadolinium. 379596
Terman, S.A.
Quantitative evaluation of rheumatoid arthritic activity with /sup 99m/Tc HEDP. 373682
Terney, A.N.
Alternative fuel cycle for Nuclear Energy Centers. 352925
Ternopol, A.M.
Direct currents generated by microwave heating in toroidal plasma. 377455
Experimental investigations of current discharge plasma confinement in L=1 torsatron in the region of low-frequency collisions. (INIS-mf – 3963) 371756
Ternovaya, T.V.
Investigation into neodymium complexes with methylmalonic acid by spectrography. 375614
Ternovoj, N.K.
Effect of interferon on the unspecific radioresistance of white mice to x-rays. 354768
Terpstra, C.
Radiation inactivation of animal viruses in culture fluid and sewage; a case study. (INIS-mf – 4220) 379095
Terranova, M.L.
(γ,n) reactions in complex nuclei at intermediate energies. 354177
The ^{16}O (γ,4p5n) ^{7}Be reaction as a monitor of intermediate-energy bremsstrahlung doses. 364589
Analysis of intermediate-energy (γ,n) reactions in complex nuclei. (CBPF – A0026/77) 364671
Cross sections of (γ, xn) reactions in complex nuclei at intermediate energies. 356744
Photodisintegration of light and medium-weight nuclei at intermediate energies. 4. (CBPF – A0027/77) 364678, 375168
Some remarks on ^{13}N photoproduction from ^{16}O and ^{19}F at intermediate energies. 354234, 364588
Terreault, B.
Doubly peaked helium depth profiles in copper and blistering. 362550
Terrell, J.
Luminosity distance equation in Friedmann cosmology. 359173
Terrett, D.L.
The complex motions of the neutral and ionized gas within the Dumb-bell Nebula (NGC 6853) – II. 374911
Terrien, Y.
Angular distribution measurement of the reaction $\alpha p \rightarrow {}^{3}He$ d at 3.98 GeV/c. 354147
Terrile, M.C.
Response of a quasi-isolated spin system to a variable field. 350763
Spin-lattice relaxation of F centers in KBr between 6K and 15K. 350783
Spin-lattice relaxation times of F centers in cesium halogen compounds. 350720
Terry, G.H.
Anomalous isobaric analogue resonance in ^{71}As. 356902
Terry, J.L.
EUV impurity study of the Alcator tokamak. (COO – 2711-3) 359032, 374862
Tertychnyj, G.
Microscopic and phenomenological parameters of isobaric analog resonances. 375143
Tertychnyj, G.Ya.
On the dominant role of noncollective monopole states in violation of the O^{+} isobar analog state isospin purity of intermediate and heavy nuclei. 375142
Terukov, E.I.
Phase transformation with electroconductivity jump in V_3O_5 without change of crystal lattice symmetry. 350739
Terukov, J.I.
DTA investigations of phase changes of some vanadium oxides. 364990
Terumichi, Y.
Propagation and reflection of lower hybrid waves launched by slow waveguiding circuits. 353643
Terwilliger, K.M.
High-P/sub transverse/^{2} p-p elastic scattering in pure initial spin states. 359343
Spin-spin interactions in high-transverse momentum elastic p-p scattering. 359344
Terwilliger, T.
An improved mass spectrometric method for determining the hydrogen deuterium abundance ratio. 362138
Terzic, I.
Auger electron emission by $Na^{+}(K^{+})$ ion bombardment of Ag surface. (INIS-mf – 3996) 364135
Terzyan, A.
New Hsub(α)- emission stars. 377624
Tesch, S.
The neutron-proton final-state interaction in proton-induced deuteron break-up at 8.5 MeV. 372760
Teshabaev, A.T.
Interaction of deep impurity atoms with radiation defects in silicon under gamma irradiation. 374665
Teshima, R.
Order of phase transition between the Meissner state and the mixed state. 356366
Teslyuk, M.Yu.
X-ray diffraction analysis of some Mg- and Li-containing ternary alloy systems. 349492
Tesnavs, Eh.R.
State and prospects of domestic radioisotope instrument-making in the field of control and measurement of concretes and soils density. 349947
Tessier, M.
A sensitive radioimmunoassay of scorpion neurotoxin. 370508
Testa, F.J.
Final report on TREAT Test R3, a single-pin loss-of-flow experiment. (ANL – 77-54) 379251
Summary and evaluation of R-series loss-of-flow safety tests in TREAT. (CONF-761001 – P4) 363018
Testa, G.
Italian progress on light-water reactor fuel design, manufacturing, testing and management. 365873
Plutonium utilization in fast-breeder and light-water reactors in Italy. 368216
Testa, H.J.
Renography and diuretic techniques in equivocal pelviureteric junction obstruction. (INIS-mf – 4010) 357699
Right ventricular involvement in myocardial infarction demonstrated by high frequency radionuclide cardiography. (INIS-mf – 4010) 370511
Testa, J.R.
The effects of ultra-high dose rates on survival and sublethal repair in Chinese-hamster cells. 376071
Testardi, L.R.
Channeling in V_3Si: Atomic displacements and electron-phonon/defect interactions. 365246
Effect of neutron irradiation on single crystal V_3Si. (BNL – 23015) 351912
EXAFS measurements on Nb_3Ge thin films. 351734
High pressure induced shifts in the superconducting transition temperature of sputtered films. 349449
Superconducting transition width in Nb_3Ge with defects. 367278
Transmission electron microscope studies of Nb-Ge superconducting films. 359908
Tetalman, M.R.
Critical review of the efficacy of /sup 99m/TC pyrophosphate in detecting myocardial infarction in 103 patients. 362793
Efficacy of ^{201}thallium, /sup 99m/Tc phosphates, and /sup 99m/Tc MAA in localizing small myocardial infarctions in the pig. 362794
Tetel'baum, B.I.
Device for nuclear magnetic logging. (Soviet patent document 441541/A/) 360173
Tetel'baum, D.I.
Diffusion-coagulation model of accumulation of radiation-induced defects under ion bombardment of silicon. 348828
On dependence of cross sections of ion elastic stopping on the target atom number. 348657
Some problems of atomic collision physics in application to ion implantation. (INIS-mf – 3996) 364089
Tetenbaum, M.
Some aspects of the high temperature vaporization behavior and valence effects in actinide-oxide rare-earth-oxide systems. (CONF-770662 – 2) 362218
Some observations on oxygen and carbon potentials in U – Pu – O and U – Pu – C systems. 378746
Teter, A.R.
Status report: waste incineration and fixation for Waste Management, Production, and Reprocessing Division of the Department of Energy (July – December 1976). (RFP – 2655) 380028
Teterin, Eh.G.
On structure of scandium compounds of alunite type. 349290
Teterko, A.Ya.
Electromagnetic determination of the corrosion extent in nonmagnetic metal articles. 375799
Tetervov, A.P.
On weak turbulence of potential waves in heated semiconductor plasma. 377161
Tetl'baum, D.I.
The effect of stationary force fields on the concentration and distribution of radiation damage in atomic collision cascades. (INIS-mf – 3996) 364088
Tetrashvili, M.S.
Application of N-cynnamoylphenylhydroxylamine for separation and

determination of metals. (INIS-mf - 4192) 375321
Tetruashvili, E.I.
The results of statistical analysis of the coronal profiles above the solar active regions. 356330
Tets, A. van
A low-temperature neutron and X-ray diffraction study of $UO_2(NH_2O)_2.3H_2O$. 354594
A low-temperature neutron diffraction study of α-$UO_2(NH_2O)_2.4H_2O$. 368725
Teuber, J.
Observation of progress in the treatment of rheumatoid arthritis with ^{90}Y-silicate. (INIS-mf - 4010) 370492
Teubner, P.J.O.
Angular distributions for elastic electron scattering from potassium in the intermediate energy range. 358841
Differential cross sections for elastic electron scattering from sodium. 353372
Differential cross sections for the elastic scattering of intermediate energy electrons from sodium. (FIAS-R - 28) 355922
Differential cross sections for the electron excitation of the resonant states in sodium and potassium. 353203
Teubner, W.
Ion-plating and vapour deposition of steel substrates with copper in a technical vacuum equipment. 368905
Teuchert, E.
Economic aspects of power generation in HTR reactors. 371228
Near-breeding thorium fuel cycle in the pebble-bed HTR. 379708
Numerical investigations of the breeding behaviour of a pebble-bed HTR. 370801
Pebble bed HTR with once through fuel cycle. 355442
Pebble-bed HTR in the "once through" fuel cycle. (ERDA-tr - 318) 370994
Teuchert, W.D.
Phonon dispersion relations in CeDsub(2.12). 368900
Teulon, J.
Cavitation problems in fast reactor fuel subassemblies. (IWGFR - 9) 350250
Teverovskij, E.N.
Comparison of the effects of nuclear power plants and thermal power plants on the environment. 357833
Radiation safety on operation of the TVEh-2500 thermonuclear power plant. (INIS-mf - 3954) 363026
Tevzadze, G.A.
A technical test facility for the production of the isotope ^{18}O. (KFK-tr - 542) 376233
Tevzadze, Yu.V.
On the growth of associative multiplicity in dependence on transverse momentum. 375055
Tewari, D.P.
Self-reflection of intense electromagnetic waves in plasmas. 353647
Tewari, S.G.
Uranium and thorium resources and development of techniques and equipment for their prospection. 365300
Tewari, S.N.
Carburization and heat treatment to cause carbide precipitation in gamma/gamma prime-delta eutectic alloys. (N - 77-22215) 367279
Tewes, H.A.
The potential of Plowshare for resource development, ch. 7. 374031
Tewordt, L.
Effect of dipole interaction on collective modes in ^{3}He-A. 372345
Self-consistent approximations for correlation functions in the theory of triplet pairing superfluidity in ^{3}He. 375008
Teyssandier, P.
Rotating nonspherical masses and their effects on the precession of a gyroscope. 363852
Teyssier, J.L.
Contribution to the research on cellulose diacetate as a solid state track detector. 360072
Tezcan, C.
Variational applications in the kinetic theory of gases. 371442
Tezher, Sh.
Flow rate measurements by the cross-correlation of thermocouple stochastic signals in circuits with natural convection of a coolant. 379992
Tezikov, V.N.
$CBrClF_2$ deuterate. 359700
Tha Tun, K.
On the energy dependence of the diffusion cross section for the collision process 0$^+$-0. (INIS-mf - 4012) 353373
Thacker, H.B.
Weak interactions at very high energies: The role of the Higgs-boson mass. 372453
Thacker, J.
High energy fast neutrons from the Harwell variable energy cyclotron. II. Biologic studies in mammalian systems. 379007
Thackeray, A.D.
Infrared Fe II lines in Eta Carinae and a possible interpretation of infrared excesses. 372288
Thaddeus, P.
Indirect observation of unobservable interstellar molecules. 351023
Thakkar, A.J.
Accurate Compton profiles for H_2 and D_2 including the effects of electron correlation and molecular vibration and rotation. 366372
Comments on explicitly correlated wave functions for the ground state of the helium atom. 363929
Thakston, M.G.
Cs^+-Kr and Cs^+-Xe interaction potentials. 377015
Thakur, M.L.
^{111}In labelled autologous leukocytes in man. (INIS-mf - 4010) 367632
Distribution and circulation of ^{111}In labelled lymphocytes in man. (INIS-mf - 4010) 367616
An experimental comparison of radioactive labels with potential application to lymphocyte migration studies in patients. 365473
Indium-111-labeled autologous leukocytes in man. 373694
Indium-111-labeled cellular blood components: mechanism of labeling and intracellular location in human neutrophils. 373630
Kinetics of indium-111 labelled lymphocytes in normal subjects and patients with Hodgkin's disease. 349786
Preparation and evaluation of leukocytes labelled with indium-111. 354923
Thakur, R.K.
Abundance ratios in quasi-stellar objects. 369217
Thaler, R.M.
Correlation expansion of the optical potential. 359397
Special aspects of the nuclear problem. 372678
Thalhamer, M.
Relative uptake of sup(99m)Tc-diphosphate and temporal changes of uptake in bone diseases. 352172
Thalmann, G.
Shutdown concepts for LWR nuclear power plants. 370898
Thampan, T.N.R.V.
Effects of a hiqhly purified antiserum to FSH on testicular function in immature rats. 367643
Thanheuser, R.
Control system for the heating boiler of the PCPV He-test rig. (SGAE - 2734) 374001
Tharel, J.J.
Participation of domestic industry. 352616
Thatcher, T.O.
Biological availability of energy related effluent material in the coastal ecosystem. (BNWL - 2100(Pt.2)) 362931
Effects of water quality alterations on fish behavior. (BNWL - 2100(Pt.2)) 362936
Power plant heat and chemical effluent effects on selected marine and estuarine communities. (BNWL - 2100(Pt.2)) 362597
Thau, G.
The design of operating procedures manuals for nuclear power plants. 355360
The, P.S.
M dwarfs and the missing mass. 369218
The, S.K.
Internal mammary lymph node scan as an acid for better parasternal irradiation planning. (INIS-mf - 4010) 357713
Thee, W.B.
Pre-startup of nuclear power plants test and acceptance from vendor's point of view. 358168
Thein, A.
Heating of plasma focus by TEA CO_2 laser, (2). 359029
Thein, Aye
Instability enhanced emissions of x-ray and neutron in plasma focus. 372056
Neutron yield enhancement in a CO_2 laser irradiated plasma focus. 372055
Theis, W.
Position and width of the monopole giant resonance in ^{208}Pb. 356662
Thelen, M.
Cell-kinetical analyses of squamous cell carcinomas of the oral region and the effect of a combined therapy of 5 fluorouracil and irradiation. 370383
Experimantal determination of kidney perfusion in dogs, using sup(99m)Tc-pertechnetate. (INIS-mf - 4010) 357672
Theo, M.G.
Information storage and retrieval system at Westinghouse Hanford Company Hanford Engineering Development Laboratory (HEDL). (HEDL-SA - 1193) 366192
Theocharopoulos, P.
Structural polynomial solution of the transport equation for critical and non-critical slabs with anisotropic scattering. 366913
Theodosiou, C.E.
Systematics of zero-energy phase shifts for atomic ions. (ANL - 76-88(Pt.1)) 361396
Theofanous, T.G.
Clad relocation dynamics: the physics and accident evolution implications. (CONF-761001 - P4) 363027
LMFBR accident energetics and their role in licensing. (CONF-761001 - P2) 365609
Nuclear reactor safety education at Purdue. 379304
Numerical simulation of the two-dimensional boiling (voiding) in LMFBR subassemblies. (CONF-761001 - P4) 362981
Theokas, A.C.
An analysis of the light changes of AR Lacertae. 372289
Theriot, D.
Inclusive production of π^{+-}, K^{+-},p,p-bar in high-energy p-p collisions. 372527
Theus, R.B.
Dosimetry measurements of 26, 35 and 45 MeV p-Be and p-Li neutron beams. 376228
Physical characterization of neutron beams produced by protons and deuterons of various energies bombarding beryllium and lithium targets of several thicknesses. 373931
Pulse-shape discrimination of high-energy neutrons and gamma rays in NaI(Tl). 379945
Thewis, A.
Use of radiolanthanides in physiology of animal nutrition. 379180
Thews, R.L.
Asymptotic energy scale factors for pseudoscalar meson scattering and charmed meson couplings. 356463

Predictions of duality for the charmed meson masses. 356462
Theymann, W.
Evaluation of high-temperature alloys for nuclear process heat applications. 360881
Thiagarajan, V.
Analysis of a collisional plasma rotating inside a cylindrical annulus. 366786
Thibault, J.J.
Cryopumps for Tokamak nuclear fusion reactors. 358918
Thibideau, F.D.
Pulse neutron generator and control circuits. (SAND – 77-0300) 365660
Pulsed neutron generator for logging. 378881
Thieberger, P.
Lifetimes and g-factors of the 6⁻ and 7⁻ isomers in ^{66}Ga and ^{68}Ga. 377993
North-American MP Tandem accelerators. (BNL – 22874) 363365
Thieberger, R.
Finite element method for solving the two dimensional Schroedinger equation. (IA – 1338) 366215
Thiel, K.
Anisotropy of track registration in natural feldspar crystals. 370227
A sensitive mapping technique for bismuth using α-particle tracks. 367058
Thiele, A.W.
Method and device for automatic supervision of plants. (German (F.R.) patent document 2622120/A/) 355353
Thiele, B.A.
Influence of process variables on permeability and anisotropy of Biso-coated HTGR fuel particles. (ORNL/TM – 6087) 373307
Neutron-induced permeability of pyrocarbon-coated high-temperature gas-cooled reactor fuel particles. 365907
Silicon carbide corrosion in high-temperature gas-cooled reactor fuel particles. 365917
Thiele, D.
FIPS – A process for the solidification of fission product solutions using a drum drier. 358484
Thiele, G.
On the reactions of $Na_2[M_2(CO)_{10}]$ (M = Cr, Mo, W) with InX_3 (X = Cl, Br, I), and the crystal and molecular structure of $Cr(CO)_5InBr$ x THF. 359583
Thiele, H.
Long term leaching of silicate systems: testing procedure, actinides behaviour and mechanism. (KFK – 2456) 354352
Thielemann, K.
Recent results and developments on the disposal of radioactive wastes in the Asse Salt Mine. 358523
Thielheim, K.O.
Non-thermal electron bremsstrahlung in the galactic disk. 374958
Numerical integration of electromagnetic cascade equations, discussion of results for air, copper, iron, and lead. 361950
Synchrotron radiation and galactic field configurations. 369114
Thieme, G.
Proton scattering in thin polycrystalline gold layers, damaged by ion bombardment. 370228
Thieme, K.
Neutron physical investigations on the use of burnable poisons and gray absorber rods in large pressurized water reactors. (BMFT-FB-K – 77-07) 370909
Results of comparative measurements of ^{131}I activity. 373933
Thierens, H.
Study of the fission products of ^{235} ^{238}U by irradiation with 25 MeV bremsstrahlung. 356903
Thiery, D.
Incorporation of radioactive wastes into heat-hardened resins. 358467
Thies, H.
A new measurement of the weak magnetism term in the betaspectra of ^{12}B and ^{12}N. 356797
Thies, M.
Coupled channels approach to kaonic atoms. 355923
Thies, W.G.
Spectrum-shape and ft-value of the beta-transitions K^{38} ($3^+ \rightarrow 2^+$) Ar^{38} and K^{38}sup(m) ($0^+ \rightarrow 0^+$) Ar^{38}. (KFK – 2514) 367008
Thiessen, A.R.
Computer simulation of recent laser driven implosions of glass microshells. (UCRL – 78488) 356164
Thiessen, H.A.
Channeling of positive and negative pions in a silicon crystal. (CONF-770931 – 5) 375092
Position-sensitive gas proportional chambers. (LA-UR – 77-2438) 374347
Thiessen, K.P.
Application of autoradiography in electrochemistry. 354362
Thijssen, W.
Glory undulations in the total cross section and small angle differential cross section for Ar-Kr. 358708, 376971
Thil'tsova, I.F.
Changes in the acid resistance of erythrocytes following chronic fast neutrons irradiation animals. 349733
Thill, N.
Use of radioactive Lutetium for determining grass consumption. 379181
Thimmaiah, K.N.
Spectrophotometric determination of Ru(III) with promazine hydrochloride. 367053
Thimot, G.W.
Contamination prevention of superheaters and reheaters during initial startup and operation. 369817
Thind, P.S.
Inorganic ion exchanger ferric phosphate as indicator in the determination of thorium in presence of rare earths. 375340
Use of hexacyanoferrate(II) for the biamperometric determination of zirconium. 375339
Thissen, G.
Problems in district heat supply from a boiling water reactor in a relatively sparsely populated area using the example of the KRB Gundremmingen Nuclear Power Plant. 376487
Thode, H.G.
A ^{33}S anomaly in the Allende meteorite. 354671
Thode, L.E.
Effect of electron-ion collisions on the nonlinear state of the relativistic two-stream instability. 372057
Relativistic electron beam cyclotron wave growth in helical slow wave structures. (LA-UR – 77-2205) 374061
Thoe, J.H.
Production of RCo_5 and R_2Co_7 powders by the R/D process. 357221
Thoe, R.S.
High resolution studies of extensive Ne L-shell excitation by energetic heavy ion impact. 358849
Recoil ion spectroscopy in the XUV – soft X-ray region following heavy ion impact on thin gas targets. 358825
Studies of neon L-shell excitation by impact of highly ionized heavy ions. 358824
Thoel, C.
New information about the kaon-nucleon-hyperon coupling constants g(anti KNΣ(1197)), g(anti KNΣ(1385)) and g(anti KNΛ(1405)). 356497
Thoeni, W.
Grown-in defects in non-stoichiometric neodymium sulphide. 377298
Thom, J.
Image analysis and beam damage. 371573
Thomas, A.W.
Fundamentals of three-body scattering theory. 372352
Modern three-hadron physics. 372350, 372352, 372353, 372371, 372399
Thomas, B.
Radiation dosimetry. (UK patent document 1480953/A/) 352812
Thomas, B.J.
Fractional charge collection technique for pile-up reduction-counting low intensity radiation in presence of intense gamma-ray and neutron background. 355595
An investigation of nuclear resonance scattering for in vivo analysis of liver copper. 356981
Prompt gamma neutron activation analysis to measure whole body nitrogen absolutely. 369534
Thomas, Claude
A 6.13MeV gamma reference source, measurement of the emission rate. (CEA-R – 4848) 355090
Thomas, D.
Some aspects of the vacuum system for the proposed storage ring CESR. 363159
Thomas, D.G.
Design of scientific information storage and retrieval system. (LF – 56) 362756
Thomas, D.H.
f^0(1270) production in the reaction $\pi^-p \rightarrow \pi^+\pi^-n$ at 12 and 15 GeV/c. 372501
Thomas, D.J.
Coulomb excitation of ^{135}Ba. 356852
Thomas, D.V.
Report for 1975 October to 1976 September. 351091
Thomas, D.W.
An instrument for routine measurements with X-ray therapy equipment operating between 10 and 250 kV. 376657
Thomas, E.D.
Treatment of blastic transformation of chronic granulocytic leukemia by chemotherapy, total body irradiation and infusion of cryopreserved autologous marrow. 373563
Thomas, E.L.
Duke Power Company experience with testing and guidelines. (EPRI-SR – 28) 352990
Process and equipment for automatic measurement of resonant frequencies in seismic detectors. (German (F.R.) patent document 2644887/A/) 361075
Thomas, E.W.
Formation of excited H by impact of H_1^+, H_2^+, H_3^+ ions on metal surfaces. (INIS-mf – 3996) 377273
Influence of oxygen on backscattering of excited H when H^+_1, H^+_2, and H^+_3 ions at 4 – 30 keV energy are incident on molybdenum. 358810
The interaction of cytochrome c with phospholipids. 378982
Ion induced photon emission from solids. (INIS-mf – 3996) 364136
Thomas, F.D.
Radiopharmaceuticals for bone and bone-marrow imaging. 354876
Thomas, G.
Discussion of an electron diffraction study of short-range order in quenched Ni_4Mo alloy. 362468
Effects of near ultraviolet light on microorganisms. 365369
Electron damage in organic crystals. 365061
India's nuclear future rests on the FBR. 358302
Structure of ordered alloys. (LBL – 6654) 373271
Surface energy of spinel. 367317
Thomas, G.E.
Thin carbon foil breakage times under ion beam bombardment. 373360

Thomas, G.H.
Inelasticity and structure in pp → pp at medium energies. (ANL-HEP-CP – 77-57) 361900
Thomas, G.J.
Microstructure of high-dose multiple energy He^+ implanted stainless steel. 378817
Thomas, G.R.
Halden: EPRI's window on the nuclear world. 363452
Thomas, Gilles
4-thiouridine and photoprotection in Escherichia coli K12. 354757
Thomas, H.
Transfer of alien genes by means of induced translocation in oats and other crop species. 373739
Thomas, H.C.
Impurity conduction in transmutation-doped germanium. 351874
Thomas, I.R.
XRF determination of trace and major elements using a single-fused disc. 362139
Thomas, J.
Laser-target retropulse isolation using an aperture in vacuum. 358915
Thomas, J.F.
Normal-metal – insulator – superconductor tunnel-junction study of the magnetic field dependence of superconducting thin films. 365194
Thomas, J.K.
Micellar catalysis of radical reactions. A spin trapping study. 375674
Thomas, J.M.
Analysis of natural systems. Quantitative ecology of impact evaluation. (BNWL – 2100(Pt.2)) 362568
The radiation-induced topotactic conversion of di-para anthracene to anthracene: an electron microscopic study. 373079
Thomas, J.P.
Backscattering analysis of the thermal diffusion of gold layers into amorphous semiconductor thin films. 367101
Thomas, J.R. Jr.
Hybrid method: finite differences vs finite elements. 360591
Temperature decay in a composite geometry reactor vessel subjected to thermal shock: two-dimensional solution. 358057
Thomas, J.T.
Evaluation of criticality criteria for fissile class II packages in transportation. 350045
Some effects of packaging materials on critical arrays of fissile materials. (CONF-771109 – 61) 379471
Surface density and density analog models for criticality in arrays of fissile materials. 352410
Thomas, J.W.
Environmental radon and thoron monitor. (HASL – 325) 378945
Radon flask monitor. (HASL – 330) 373455
System for continuous radon determination. (HASL – 327) 360213
Thomas, Joseph
Dinitrogen fixation by blue-green algae from paddy fields. (INIS-mf – 4136) 376165
Thomas, K.T.
Experience in the management of radioactive wastes: scope for regional cooperation. 352851
Long-term planning for management of aqueous wastes from fuel reprocessing plants. 358537
Management of radioactive waste. An overview of the Indian programme. 368387
Nuclear-powered agro-industrial complexes for optimum energy utilisation. 350412
Thomas, L.
Ground state representation of the infinite one-dimensional Heisenberg ferromagnet. Pt. 2. 366243
The new Federal Act for the protection against nuisances (BImSchV). 366185
Thomas, L.D.
The calculation of classical transition probabilities in atom-molecule collisions for fixed total angular momentum. 355924
Classical trajectory study of differential cross sections for $Li^+ – CO$ and N_2 inelastic collisions. 368710
Comparison of classical mechanics and the coupled states approximation for Li^+-CO scattering on an ab initio calculated CI potential energy surface. 371536
Thomas, L.K.
Temperature dependence of optical properties of Ta-W-Re alloys. 350734
Thomas, M.G.
Superconducting magnetic quench protection for ISABELLE. 363328
Thomas, M.T.
Fast-neutron sputtering of niobium. 358950
Fusion-neutron-induced nuclear recoil emission probabilities. 358951
Projected range calculations of radionuclide product ejection from metal surfaces by 14.8-MeV neutrons. 358776
Rapid chemical separations for thermal neutron activation analysis of niobium and vanadium and application to controlled thermonuclear reactor materials studies. 375230
Sputtering of niobium by energetic neutrons and protons: A round-robin experiment. 350569
Thomas, N.G.
Uranium favorability of late Eocene through Pliocene rocks of the South Texas Coastal Plain. (GJBX – 7(77)) 373418
Thomas, P.
The atmospheric diffusion parameters in the environment of the Karlsruhe Nuclear Research Center. (KFK – 2499) 365322
Monothiodibenzoylmethane complexes of dioxouranium(VI). 357123
Theoretical and experimental investigations of the atmospheric diffusion of radioactive gases and aerosols and of the probabilistic radiation doses around nuclear plants due to accidental activity releases. (KFK – 2435) 357760
Thomas, P.R.
Neutrino induced μ^-e^+ events and the charm hypothesis. 375067
Thomas, R.H.
Human exposure to ionizing radiation for medical reasons. 362710
An intercomparison of dosimetry techniques in radiation fields at two high-energy accelerators. 370655
Thomas, R.J.
On coronal Fe abundances and temperatures from XUV emission lines. 353704
On three-dimensional reconstruction of optically thin solar emission sources. (N – 77-27056) 377621
OSO-8 observing schedule for x-ray binaries. (CONF-7510169 –) 364415
Thomas, R.K.
High current power leads for tokamak fusion reactor superconducting magnets. (GA-A – 14503) 350957
Thomas, R.L.
Investigation of the effects of rf fields on superconducting Pb films with quantized resistances. 359928
Thomas, R.N.
Boundary conditions with mass-loss: general considerations. 369219
Thomas, S.J.
Saturation behavior of p-type germanium at CO_2 laser wavelengths. 359832
Thomas, S.R. Jr.
Large rectangular bellows valve. (UCRL – 79751) 372058
TMX, a new facility. (UCRL – 79754) 374863
Thomas, T.D.
Angular-momentum transfer in deeply inelastic scattering of 610-MeV ^{86}Kr by ^{209}Bi. 351344
Energy dependence of energy loss in the interactions of ^{86}Kr with ^{139}La. (RLO/1388 – 362) 372741
Satellite structure in the x-ray photoelectron spectra of gaseous furan, pyrrole, and thiophen. 350466
Thomas, T.R.
Airborne elemental iodine loading capacities of metal zeolites and a method for recycling silver zeolite. (ICP – 1119) 366084
Development of Ag^0Z for bulk ^{129}I removal from nuclear fuel reprocessing plants and PbX for ^{129}I storage. (ICP – 1135) 380020
Thomas, V.W. Jr.
Plutonium in human lung in the Hanford environs. (BNWL-SA – 5855) 352065, 354864
Thomas, W.
Investigation of the impurity hyperfine field polarization in polycrystalline rare earth ferromagnets. 350746
The magnetic moments and halflives of the $5/2^-$ states in ^{199}Hg and ^{197}Hg and the discrepancies in the experimental hyperfine fields at Hg in Fe. 356812
Thomas, W.R.
Charged pion production from neutron – proton collisions at 790 MeV. (LA – 6962-T) 364598
Implementation of nuclear power. 352617
Thomassen, K.I.
Reversed-field pinch reactor (RFPR). 377417
Switching requirements for pulsed high-beta reactors. (EPRI-ER – 376-SR) 361635
Thome Filho, Z.D.
Final-state interaction in processes of deuteron breaking. (INIS-mf – 4101) 363853
Scattering of pions by deuterons at low and medium energies. (PUC-TN – 14/77) 350503
Thome, D.K.
Influence of hydrogen on the low temperature heat capacity of lutetium-rich lutetium-hydrogen alloys. 375901
Low temperature heat capacity of lutetium and lutetium hydrogen alloys. (IS-T – 769) 373277
Thome, F.V.
Circuit designs for measuring reactor period, peak power, and pulse fluence on TRIGA and other pulse reactors. (SAND – 77-0462) 358318
Thome, R.J.
Design study of superconducting magnets for a combustion magnetohydrodynamic (MHD) generator. (N – 77-20886) 359192
Thome, W.
Charged particle multiplicity distributions in pp collisions at ISR energies. 356525
Charged particle multiplicity distributions in pp-collisions at ISR energies. 353996
Thomet, P.
Evaluation of a coherent set of effective neutron cross-sections for $n + ^{238}U$ from 3 keV and 20 MeV. (INIS-mf – 4043) 377899
Evaluation of radiative capture, fission and inelastic scattering neutron cross-sections for heavy nuclei in the 1 keV -3 MeV energy range using the statistical model. (INIS-mf – 4043) 366958
Experimental and theoretical aspects of effective neutron cross-section evaluation for yttrium nuclei in the 10 keV – 3 MeV energy range. (INIS-mf – 4043) 366951
Thomke, K.
The H/D-exchange / criterion for E1, E2 and E1cB / E2noH/D-exchange / E1cB only in the β-positions / E1 in all positions. 359704
Structure of intermediates of dehydration, studied with deuteriated butan-2-ols over UO_2, ThO_2 and CeO_2. 367138
Studies on the mechanisms of dehydration of deuterated 2-butanols

on ThO_2 (with different surfaces) and on La_2O_3. 359705
Thomlinson, W.
Lattice dynamics of fcc helium at high pressure. 360041
Neutron scattering study of magnetic ordering in the reentrant superconductor $ErRh_4B_4$. 373237
Thompson-Russell, K.C.
The textural aspects of recrystallization in doped tungsten wire. 357337
Thompson, A.
Automated elemental analysis using energy dispersive x-ray fluorescence analysis. (LBL - 7211) 379257
High resolution study of nucleonic cosmic rays with Z >= 34. 368290
Measurement of the cosmic ray element abundances between approximately 300 and approximately 750 MeV/N in the region from nickel to krypton using Lexan track detectors. 368291
Thompson, A.S.
Evidence for a narrow width boson of mass 2.95 GeV. 372519
Inclusive anti K^{*0} (890) production in π^-p interactions at 16 GeV/c. 356507
Observation of the reactions $\pi^-p \rightarrow$ anti pd at 10 and 16 GeV/c. 372520
ORNL fusion power demonstration study: fluid flow, heat transfer, and stress analysis considerations in the design of blankets for full-scale fusion reactors. (ORNL/TM - 5960) 377404
Production of phi and f' in 10 GeV/c K^-p interactions. 353959
Thompson, A.W.
Microstructure and hydrogen performance of Alloy 903. 357317
Thompson, C.A.
Engineering design models for SNUPPS project. 358238
ERDA program to reduce refueling outage time. 358169
Thompson, C.H.
LASL laser mirror program. Excerpts from Y-12 development division technical progress reports. Period ending June 1, 1977. (Y/DA - 7258) 361636, 364256
Thompson, C.M.
Westinghouse Emergency Core Cooling System evaluation model. Modified October 1975 version. (WCAP - 9150) 365564
Thompson, C.T.
Immobilization of iodine in concrete. (US patent document 4,017,417/A/) 374406
Thompson, D.
Inspectors' experience with regulatory guides for operating nuclear plants. 358170
Thompson, D.A.
Direct effects in the electrophilic substitution of deltahedral boranes and heterboranes. Deuteration and halogenation of 1-SB_9H_9 and $SB_{11}H_{11}$. 378406
A semiempirical method of applying the dechanneling correction in the extraction of disorder distribution. 364145
Sputtering of niobium by energetic neutrons and protons: A round-robin experiment. 350569
Thompson, D.G.
Positronium formation in neon and argon. 358745
Thompson, D.J.
Relationship between the galactic matter distribution, cosmic-ray dynamics, and gamma-ray production. 359112
Thompson, D.R.
Dineutron cluster states in ^{18}O. 356622
Direct-reaction mechanisms in the $\alpha(p,d)^3He$ reaction. 375166
Resonating-group study of p + α scattering from 68 to 125 MeV. 351316
Thompson, E.M.
Distribution of radioactivities in sugars from acetate-2-^{14}C incubation and elemental content of some vascular plants in two diverse habitats of Glacier Bay, Alaska. 349882
Thompson, G.
Analysis of the $\omega\pi^-$ system produced in the reaction $\pi^-p \rightarrow \pi^-\pi^-\pi^+\pi^0p$ at 11.2 GeV/c. 353965
Cross-sections and multiplicity distributions for π sup(-)p interactions at 11.2 GeV/c. 369278
Study of $A_2^- \rightarrow$ etaπsup(-) in the reaction πsup(-)p$\rightarrow\pi$sup(-)πsup(-)πsup(+)πdegp at 11.2 GeV/c. 369279
Thompson, G.H.
Solvent extraction of irradiated neptunium targets. II. Flowsheet development. (DP - 1460) 351696
Waste management analysis for the nuclear fuel cycle: parts I and II. Progress report for period ending March 31, 1977. (RFP - 2667) 366085
Thompson, H.M.
Electron-temperature and spontaneous-magnetic-field measurements in a laser-irradiated free jet. 350958
Thompson, J.C.
Observation of a baryon exchange dip and parton effects in backward photoproduction of ω. 372513
A 480-channel lead glass Cherenkov detector. 355498
Thompson, J.K.
Evaluation of temperature coefficients of reactivity for ^{233}U - thorium fueled HTGR lattices. Final report. (EPRI-NP - 222) 352697
Improving the cost-effectiveness of HEPA filters via dielectrophoretic prefilters. 360526
A new electrostatic precipitator for HEPA prefilter use in the nuclear industries. 360525
Thompson, J.R.
Conditioning of nuclear reactor fuel. 363408
Nuclear fuel element. 358086
Thompson, J.V.
A study of high spin states in ^{151}Gd. 356889
Thompson, L.A.
Dwarf ring galaxy. 361744
Thompson, L.B.
Cladding temperatures, deformations, and failure thresholds during power bursts. 352228
Thompson, L.C.
Emission spectra of $Cs_2NaTbCl_6$ and Cs_2NaYC_6: Tb^{3+}. 368711
Thompson, M.A.
Direct e^+e^- pair production by 300-GeV/c protons in neon. 359341
Thompson, M.C.
Solvent extraction of irradiated neptunium targets. II. Flowsheet development. (DP - 1460) 351696
Thompson, M.D.
Theory of nuclear quadrupole interaction in hexagonal close packed metals: cadmium and zinc. 365165
Thompson, M.G.
The Durham extensive air shower array. I. 366033
The Durham extensive air shower array. II. 366036
Thompson, M.N.
The chromium photoneutron cross section. 356920
Cross sections for photodisintegration of ^{32}S to excited residual states. 356904
Thompson, P.
Design and performance of an 8 cm thick intrinsic germanium detector telescope. 363559
Thompson, P.B.
Design of superconducting toroidal magnet coils and testing facility in the USA. (CONF-770842 - 5) 358976
Thompson, P.E.
Ion bombardment of alkali halides. 375957
Thompson, R.B.
Evaluation of electromagnetic-acoustic concepts of inspection of steam generator tubing. Final report. (EPRI-NP - 519) 365817
Thompson, R.C.
Pacific Northwest Laboratory annual report for 1976 to the ERDA Assistant Administrator for Environment and Safety. Part 1. Biomedical Sciences. (BNWL - 2100(Pt.1)) 360184, 360225, 360226, 360296, 360297, 360298, 360300, 360301, 360302, 360303, 360304, 360308, 360311, 360312, 360313, 360314, 360315, 360316, 360319, 360320, 360322, 360328, 360329, 360332, 360333, 360334, 360335, 360336, 360340, 360341, 360343, 360344, 360345, 360346, 360347, 360348, 360353, 360354, 360355, 360356, 360360, 360361
Thompson, R.E.
Nuclear reactor auxiliary heat removal system. (US patent document 4,057,465/A/) 379305
Thompson, R.G.
Application of the Hanbury-Brown and Twiss interferometry to the production of like pions in πsup(-)p collisions at 11.2 GeV/c. 353777
Thompson, R.H.
Neutron-proton bremsstrahlung: One-pion-exchange current. 351269
Thompson, R.I.
Spectral development of Nova Cygni 1975. 351086
Thompson, S.E.
Transfer coefficients for the prediction of the dose to man via the forage-cow-milk pathway from radionuclides released to the biosphere. (UCRL - 51939) 373618
Thompson, S.L.
Eulerian finite-difference calculations of explosions in partially water-filled overstrong cylindrical containment vessels. (SAND - 77-1342) 379306
Rayleigh-Taylor instabilities in inertial-confinement fusion targets. 366538
Thompson, W.B.
Low frequency resistive axisymmetric modes of a tokamak plasma. (INIS-mf - 3963) 371905, 371906
Thompson, W.E.
Operational effects of a dc superconducting line on a high-voltage power system. 365707
Thompson, W.J.
Dissipative forces and quantum mechanics. 364683
Nuclear shapes of ^{24}Mg and ^{28}Si by inelastic scattering of ^{12}C and ^{16}O, ^{18}O. 364766
Thompson, W.L.
Energy measurements on fast-pulsed near-relativistic electron beams using bremsstrahlung absorption spectroscopy. 366627
Thoms, K.R.
ORR irradiation experiment OF-1: accelerated testing of HTGR fuel. (ORNL - 5234) 365953
Thomsen, J.M.
Effects of porosity, strength and water content on attenuation of stresses generated by subsurface explosions in soils. (UCRL - 79113) 363121
Final report on a calculational parameter study of soils typical of some ESSEX I cratering sites. (UCRL - 52038) 376338
Thomson, D.A.
Integrated minicomputer alpha analysis system. (LA-UR - 77-2968) 378946
Thomson, D.M.
Experience with an automatic isodose plotter. 365646
Thomson, J.E.M.
Cross sections for photodisintegration of ^{32}S to excited residual states. 356904
Thomson, J.J.
Light absorption and scattering mechanisms in laser fusion plasmas. (UCRL - 80153) 377341
Stimulated Raman scatter in laser fusion target chambers. (UCRL - 80233) 372059
Theoretical interpretation of angle- and polarization-dependent laser light absorption measurements. (UCRL - 79628(Rev.1))

361637
Thomson, J.M.
Fuel elements and fuel element materials - Dodewaard-on site fuel inspection of Pu assemblies. 370873
Joint programme of uni-axial creep measurements of HTR compacts and matrix material under tensile load at 900ºC. 360077
Thomson, R.A.E.
Bone marrow regeneration from cortex following segmental fractionated irradiation. 367511
Thorel, O.
Study of the mobility of a two-dimensional fluid by neutron quasi elastic scattering. 368758
Thorel, P.
Anisotropy in the flux-line lattice symmetry of a low-kappa Type-II superconductor. (CONF-771077 - 1) 373278
Determination of low-field critical parameters of superconducting niobium by small-angle neutron diffraction. (CONF-771077 - 2) 373172
Thorell, J.
Clinical analysis of myocardial scintigraphy with ^{99}Tcsup(m)-pyrophosphate. 354944
Thoren, D.E.
Prototype vibration measurement results for B and W's 177-fuel assembly, two-loop plant. (BAW - 10039(Suppl.1)) 365898
Thoren, H.G.
Full-scale reactor safety experiments performed in the Marviken Power Station, Sweden. 370618
Thorhaug, A.
Ecological study of the effects of power plants on benthic macroplant microcosms in subtropical and tropical estuaries. Progress report, 1976 - 1977. (TID - 27767) 363028
Thorley, A.W.
Fission and corrosion product behaviour in primary circuits of LMFBR's. A status review of work being undertaken in the UK. (IWGFR - 7) 361000
Some aspects of the mass transfer behavior in sodium of steels of interest to the UK Fast Reactor Programme. (CONF-760503 - P2) 352783
Thorn, C.
Researches with the tandem and the synchrotron. Chapter 1. (CEA-N - 1959) 354158
Thorn, C.B.
Lattice approach to string theory. 359253
On the derivation of dual models from field theory. 353161
Thorn, C.E.
Determination of the static quadrupole moment of the 1.98-MeV 2^+ state in ^{18}O. 351349
Energy dependence of ^{32}S + ^{24}Mg fusion cross sections. (ANL - 77-60) 378023
Experimental evidence of multistep processes in the ^{74}Ge(^{18}O,^{16}O)^{76}Ge and ^{76}Ge(^{16}O,^{18}O)^{74}Ge reactions. 351336
Thornburg, H. D.
Inspection of licensed nuclear power plants in the United States. (INIS-mf - 3979) 368474
Thornburg, H.D.
The enforcement program of the nuclear regulatory commission in the United States. (INIS-mf - 4063) 361189
Thorndahl, L.
Experiments with stochastic cooling in the ISR. 363181
50 MHz transverse feedback system in the CERN ISR. 363182
Thorndike, A.
Experimental halls workshop summary. (BNL - 50611) 357997
Scenario group summary. (BNL - 50611) 357998
Two suggestions to improve the utilization of ISABELLE. (BNL - 50611) 357999
Will lightwave communications be useful. (BNL - 23540) 379451
Thorne, K.S.
Generation of gravitational waves. II. The postlinear formalism revisited. 350995
Generation of gravitational waves. III. derivation of bremsstrahlung formulae. 363800
Thorne, M.C.
The distribution of ^{239}Pu in the skeleton of the mouse. 354841
The visualisation of fissionable radionuclides in rat lung using neutron induced autoradiography. 376153
Thorne, R.D.
ERDA seeking safe, long-term nuclear options. 366205
New directions in fission energy research and development in the United States of America. 366152
Public acceptance of nuclear power in the United States of America. 370590
Thorngate, J.H.
Alternating sample changer and an automatic sample changer for liquid scintillation counting of alpha-emitting materials. (ORNL - 5307) 363593
Optimization of the detector and associated electronics used for high-resolution liquid-scintillation alpha spectroscopy. 366040
A simplified pulse-shape discrimination circuit for use in liquid-scintillation spectroscopy of alpha particles. 371142
Thornsberry, W.L.
Improved process for recovery of uranium from wet process phosphoric acid. 369770
Thornsberry, W.L. Jr.
Analytical methods for determining the concetration ratio in mixtures of trioctylphosphine oxide and di(2-ethylhexyl)phosphoric acid. 364916
Thornton, E.R.
Structural and isotopic effects in hydrophobic binding measured by high-pressure liquid chromatography. A stable and highly precise model for hydrophobic interactions in biomembranes. 378413
Thornton, G.
A neutron diffraction determination of the structures of $Ba_2Sbsup(V)Bisup(III)O_6$ and $Ba_2Bisup(V)Bisup(III)O_6$. 371693
Thornton, G.K.
The solution of the steady-state and transient behaviour of a rotating, helium-filled thermosiphon loop. 360648
Thornton, J.H.
The construction of Hartlepool and Heysham AGRs. 352680
Thornton, R.K.
Proton-anti-proton annihilations into two neutral mesons ($\pi^0\pi^0$, π^0eta, etaeta) at 1.862 GeV/c. 372538
Thorpe, R.S.
Strontium isotope data for recent andesites in Ecuador and North Chile. 378852
Thorson, I.M.
The TRIUMF thermal neutron facility as planned for operation by 1978. (TRI - 77-1) 360710
Thoulouze, D.
A dilution refrigerator with sintered silver powder heat exchangers for use in the millikelvin range. 360621
Thouw, T.J.
New information about the kaon-nucleon-hyperon coupling constants g(anti KNΣ(1197)), g(anti KNΣ(1385)) and g(anti KNΛ(1405)). 356497
Thrall, J.H.
Clinical significance of /sup 99m/technetium sulfur colloid accumulation in renal transplant patients. 357643
Solitary autonomous thyroid nodules: comparison of fluorescent and pertechnetate imaging. 373695
Threlfall, D.R.
Synthesis of 5-demethoxyubiquinone-6 and ubiquinone-6 from 3-hexaprenyl-4-hydroxybenzoate in yeast mitochondria. 370393
Thrower, P.D.
Acute and late damage in the mouse small intestine following multiple fractionations of neutrons or x-rays. 367495
Mouse testes as a biological test system for intercomparison of fast neutron therapy beams. 365384
Thrush, B.A.
Electronic and vibrational energy transfer. 361397
Thuan, T.X.
Angular momentum of galaxies. 351092
Photographic measurements of the diffuse light in the coma cluster. 372290
Young massive galactic halos at large redshifts. 351033
Thueler, M.
Damage of graphite surfaces resulting from ion bombardment, studied by means of electron microscopy. Raman- and x-ray photoelectron spectroscopy. 370233
Thuemmler, F.
Advances in carbide fuel element development for application to fast reactors. 367327
The influence of isostatic hot pressing on the mechanical properties of Ta(C,N)-Ni based hard metals. (KFK-EXT - 6/77-1) 351834
Structure, preparation and properties of refractory compounds and systems (hard materials and hard metals). (KFK-EXT - 6/77-1) 351768, 351823, 351824, 351828, 351829, 351833, 351834, 351835, 351842, 365202, 365203
Surface, grain boundary and interfacial energies in UO_2 and UO_2-Ni. 373301
Thuesen, G.
X-ray attenuation in silicon and germanium in the energy range 25 to 50 keV. 350728
Thuillier, J.C.
Surface quantum oscillations in tellurium inversion layers. 354500
Thuis, H.
Calculation of the glory scattering with anisotropic molecule-atom interactions in sudden approximation. 371502
Glory scattering with a polarized NO beam. (INIS-mf - 3940) 348740
Thum, F.
Investigations on ion-induced secondary electron emission from oxygen covered surfaces. 368889
Thun, G.
Operation method of the X-ray equipment for the investigation of the ballooning of LWR-fuel rod simulators. (KFK-EXT - 7/76-2) 355624
Permanently magnetic flowmeter probe for liquid metals. 371175
Thun, H.J.
Complete S-matrix of the massive Thirring model. 369299
Thun, J.E.
The reorientation precession technique, REPREC, applied to the measurement of $Q(2_1^+)$ in ^{102}Pd and ^{104}Pd. 356755
Thun, N.
Instrument for ultrasonic measurement of physical quantities of flowing media, especially the flow velocity. (German (F.R.) patent document 2530202/B/) 360756
Thun, R.
Measurement of phi production in proton-nucleus collisions at 400 GeV/c. 366877
New limits on D^0(1.865) production in proton-nucleus collisions at 400 GeV/c. 361882
Thurm, S.
Temperature dependence of optical properties of Ta-W-Re alloys. 350734
Thyn, J.
Applications of radioactive tracers in chemical flow reactor study. VI. 379421

Applications of sealed sources in chemical engineering. I. 379405
Processing of response functions obtained by radiotracer measurement. VIII. 379425
Tibbs, N.H.
In situ leaching of uranium. 373427
Tibell, G.
High-spin states and neutron multiplicities after pion capture in ^{181}Ta and ^{209}Bi. (INIS-mf – 4267) 377966
Tibi, A.
Alpha contamination in Rapsodie. (IWGFR – 7) 361001
Tibo, Zh.R.
High-spin energy states of ^{233}U. 377973
Tichchenko, L.P.
Study of processes at helium ion bombardment of thin silver films. 370229
Tichy, M.
Conformational study of cyclic 2-amino and 2-dimethylamino alcohols with six-membered ring by ^{1}H-NMR spectroscopy. 367032
Tichy, R.
Dynamic polarization of protons in polyethylene. 354325
Tidecks, R.
Investigation of the current induced phase transition of superconducting tin whiskers with several potential probes. 359962
Mutual influence of voltage steps in the V-I characteristics of current-carrying superconducting tin whiskers. 359961
Tidemand-Petersson, P.
Alpha decay of neutron-deficient ytterbium isotopes and their daughters. 375179
Decay of a T/sub z/ = – 2 nucleus: Argon-32. 364777
Shifts in xenon K X-ray energies following electron-capture beta decay and the role of nuclear hyperfine structure. 356719
Tidman, D.A.
Laser-matter interaction studies at NRL. 372038
Stability of high energy focused ion beams for pellet fusion in target chamber. (ORO – 5000-4) 361633
Target chamber magnetic fields in pellet fusion reactors. (ORO – 5000-3) 361638
Tidwell, T.T.
Reactivity of cyclic and acyclic olefinic hydrocarbons in acid-catalyzed hydration. 378237
Tiedeman, J.S.
Determination of g/sub J/(^{1}H,^{1}²S/sub 1/2/)/g/sub s/(e): Test of mass-independent corrections. 358842
Tiedemann, P.W.
Photoionization of dimeric polyatomic molecules: Proton affinities of H_2O and HF. 366239
Tiee, J.J.
Intramolecular isotope effect in laser multiphonon dissociation of CH_2DCH_2Cl. 369614
Tiegs, T.N.
ORR irradiation experiment OF-1: accelerated testing of HTGR fuel. (ORNL – 5234) 365953
Postirradiation gamma scans of GCFR capsule GB-10 at ORNL. (ORNL/TM – 5975) 374267
Stoichiometric effects on performance of high-temperature gas-cooled reactor fuels from the U – C – O system. 365922
Tiemann, E.
Electric dipole moment of IBr by the Stark shift of the perturbation allowed rotational transition J'=3 – J"=0. 353374
On the hyperfine structure in the rotational spectrum of CuI. 355907
Tiemens, U.
Arrangement to determine the position of a radiation source in at least one direction. (German (F.R.) patent document 2528437/A/) 376619
Tien, C.L.
Simple analytical model for counter-current flow limiting phenomena with vapor condensation. 363029
Tien, J.K.
Shock-tube study of fusion plasma-wall interactions. (COO – 2456-47) 361550
Tiernan, T.O.
Dissociative electron attachment in nitrogen trifluoride. 350681
A long-lived excited state of O_3^-; evidence from collision-induced dissociation. 353389
Tierney, M.S.
Assessment of the environmental impacts produced by the transport of radioactive materials through urban areas. (SAND – 77-0853C) 373598
Simulated atmospheric disperison of radioactive material released in an urban area. (SAND – 77-0854C) 373449
Tietjen, G.L.
Statistical aspects of nuclear safeguards. (LA-UR – 77-2420) 374505
Tietjen, J.J.
Chemical vapor deposition of electronic materials. 351719
Tigeot, Y.
Vibrational studies and measurements on the Phenix reactor. (IWGFR – 10) 363528
Tigner, M.
Beam modulator for an electron linac. 363329
CESR: an electron positron colliding beam facility at Cornell. 363359
Parallel coupled cavity structure. 363352
Suppression of multipactoring in superconducting cavities. 363311
Tikhankin, G.A.
Thermodynamic properties of solid solutions of niobium and tungsten in nickel. 354384
Tikhij, N.V.
On changes in austenite dislocational structure during hot deformation by rolling. 375894
Tikhinskij, G.F.
The nature of zirconium plastic deformation. Part 1. (KFTI – 76-23) 375871
The nature of zirconium plastic deformation. Part 2. (KFTI – 76-51) 375845
Texture evolution at beryllium rolling. 373216
Tikhomirov, A.A.
Some problems in ultracold neutron physics. (INIS-mf – 3895) 355493
Tikhomirov, B.I.
Polymerization of adiponitrile in the interaction with trimethylboron. 349266
Tikhomirov, G.D.
π^- C^{12} interaction followed by neutral particle production at 40 GeV/c. (ITEF – 6) 353933
Tikhomirov, V.A.
Fine structure of the S-component of solar ratio emission in the frequency range from 4.5 to 7.0 GHz. 364351
Tikhomirov, V.I.
Determination of stability constants of copper, cadmium, zinc, magnesium and nickel complexes with olycine by the ion exchange method. 349221
Tikhomirov, V.S.
Radiation stability of polymeric materials on polyamide 12 base. 362284
Tikhomirov, Yu.V.
Fine structure of the S-component of solar ratio emission in the frequency range from 4.5 to 7.0 GHz. 364351
Tikhomirova, E.A.
Method for separation of terbium and europium. (Soviet patent document 443579/A/) 373022
Preparation of carrier-free terbium-155. 370670
Tikhomirova, G.S.
Transplutonium element separation on anionites using aqueous alcohol solutions of mixture of lactic and nitric acids. 359732
Tikhomirova, M.V.
Action of ATP on DNA injured by a prolonged irradiation. 362669
Effectiveness of atp, antibiotics and vitamins as protective agents against action of prolonged irradiation of monkeys. 376111
Tikhomirova, N.L.
Development of methods for bitumen determination in cased wells using spectrometry of natural gamma-radiation. 349610
Tikhomirova, T.I.
Investigation into kinetic of extraction of silicomolybdic acid by tri-octylamine. 375444
Tikhonchuk, V.S.
Biological interaction of rf electromagnetic waves and ionizing radiation. 349735
Effect of cosmic microwave and gamma irradiation on hematopoiesis. 349754
Tikhonchuk, V.T.
Generation of the 3/2ωsub(o) harmonic of the neodymium laser radiation on heating of spherical targets. 377337
Tikhonenko, V.D.
Experience manufacturing and properties of the high-strength corrosion-resistant magnetic 03Kh12K12D2 steel. 375831
Tikhonin, F.F.
On weak interaction of coloured hadrons. 375015
Tikhonov, A.N.
Comparison of spectroscopic and polarization properties of CaF_2-TR^{3+} (TR – rare earths). (INIS-mf – 3955) 366449
Tikhonov, A.S.
Fabrication of sheets of composite materials with brittle filament without destructing them during rolling. 357227
Facility for pressure welding of metals and alloys in superplasticity state. 375777
Influence of dispersivity on phase equilibria of crystalline materials. 365184
On determination of optimum reductions during sheet rolling of composite materials. 357237
On the effect of stressed state scheme on superplasticity. 359923
Tikhonov, B.A.
Experimental study on nozzles of MHD-generators with deformation of a supersonic flow. 374989
Tikhonov, M.F.
Kinetic of the reduction of neptunium by hydrazine. Pt. 5. Reduction of Np(V) to Np(IV) in nitric acid media. 365025
NMR investigations of NpO_2^+ aqueous solutions. 359731
Oxidation of hydrazine with perchloric acid catalyzed by molybdenum. 364966
Tikhonov, P.A.
Phase correlations in DyOsub(1,5)-PrOsub(1,5) and DyOsub(1,5)-PrOsub(x) systems. 367096
Phase relationships in the YOsub(1,5)-PrOsub(x) system and physico-chemical properties of solid solutions. 360033
Solid solutions in the system Y_2O_3-Pr_2O_3 and its morphotropy. 349303
Tikhonov, V.B.
Effect of temperature and deformation on the plasticity and specific pressure in the course of lanthanum rolling. (INIS-mf – 3839) 367211
Tikhonov, V.N.
Different-ligand complexes of metals with triphenylmethane dyes and quaternary ammonium salts. 372934
Tikhonov, V.V.
Sm_3S_4 specific heat anomaly. 356066

Tikhonova, A.I.
Some regularities in the radioisotope behaviour in fresh water reservoirs. 349304
Tikhonova, L.A.
Charge asymmetry at large psub(T) in inelastic anti pp reactions at 22.4 GeV/c. 353943
Multiplicities and forward-backward correlations in anti pp interactions at 22.4 GeV/c. 366882
Tikhonova, L.P.
On possibility of use of vanadium (4,5) ions as catalyst of Belousov-Zhabotinskij vibrational chemical reaction. 375609
Tikhonova, S.V.
Development of the process of radiation vulcanization of calendered rubber products using the "Electron-3" accelerator. (INIS-mf – 4194) 376284
Tikhonova, T.N.
Synthesis of aryl diazonium molybdoiodates. 357060
Tikhotskij, A.S.
Cathode spots on metal electrodes in conditions of MHD channel. 374987
Study on electric characteristics of a boundary layer on metal surfaces in channels of an open-cycle MHD generator. 377670
Tikhov, J.I.
Surface barrier detectors from n-Si, Sn. 371143
Tikku, V.K.
Decay of the 46.6 s sup(75)Gesup(m). 362039
Tikochinsky, Y.
Transformation brackets for generalized Bogolyubov – boson transformations. 368599
Transport approach to one-dimensional quantum scattering. 366305
Tiktopoulos, G.
Infrared singularities of non-Abelian gauge theories. 361256
Tikush, V.L.
Reduction of oxide mixtures for permalloy-type alloys. 349252
Tilbrook, R.W.
Apparatus for controlling molten core debris. (US patent document 4,036,688/A/) 374247
Assessment of the consequences of boiling in the radial blanket due to hypothetical major pipe leaks. 352278
Tilbury, R.S.
Distribution of oxygen-15 in the dog at the steady-state. 352074
Tile, U.
Investigation of specific heat and superconducting propertis of Mo_6NaS_8. 368729
Tileva, M.D.
Morphometric electron microscopy study of changes in endometrial epithelial cells after irradiation with a dose of 1,000 rads. 379023
Tiliks, Yu.E.
Formation of chemically active particles in dissolution of irradiated inorganic compounds. 373097
Investigation of chemiluminescence in dissolution of irradiated alkaline halide crystals. 370131
Radical products of γ-radiolysis of barium nitrate at room temperature. 375681
Study of magnesium oxide radiolysis products using dissolution method. 373087
Water effect on radiolysis of solid inorganic nitrates. 369790
Tilinin, G.N.
On the stability of plasma waves in a closed drift accelerator. (IAE – 2505) 358000
Tilkiliev, S.
Study of photoconductivity of InSb-NiSb in a magnetic field. 374753
Till, C.E.
Alternative fuel cycle options: performance characteristics and impact on nuclear power growth potential. (ANL – 77-70) 379652
Impact of thermal near-breeders on uranium utilization. 352915
Relationships between nuclear growth rates and breeder doubling times. 352731
Till, J.E.
Bioaccumulation, distribution, and dose of ^{241}Am, ^{244}Cm, and ^{238}Pu in developing fish embryos. 370428
How can different prescribed doses give the same recurrence rate. 360540
Radiological environmental assessment of the recycle of LMFBR advanced fuels. (CONF-771008 – 5) 373872
Till, W.
Reactor safety, instrumentation and environmental effects. (KFK – 1277/2) 370622
Tillerson, J.R.
Comparative evaluations of the thermomechanical responses for three high level waste canister emplacement alternatives. (SAND – 77-0388) 380040
Tillet, G.C.
Reactivity from power spectral density measurements with ^{252}Cf. (ORNL/TM – 5475) 358296
Tilley, R.J.D.
The catalytic activity of several tungsten oxides for the oxidation of propene. 351483
Tilliette, Z.C.
Reactors for heat production with good electrical generating efficiency. Recovery of heat in helium-cooled direct-cycle reactors with one or two compression stages. 376546
Tillinghast, T.
Coupled neutron kinetics thermal hydraulic model for the GETR core using the RELAP-4 computer program. (NEDO – 12627) 362877
Tillman, J.
The effects of labetalol (AH 5158) on metabolism of ^3H(-)-noradrenaline released from the cat spleen by nerve stimulation. 367603
Tillmanns, H.
Radiocardiography during first cardiac passage. (INIS-mf – 4010) 362822
Tilly, L.J.
Field responses to zooplankton populations to temperature changes caused by reactor operations. (DP – 1455) 367413
Response of the Asiatic clam, Corbicula manilensis, to gamma radiation. (DP-MS – 77-70) 373551
Tilquin, B.
Temperature effect on the yields of heavy products during the radiolysis of n-hexane by accelerated electrons. 354421
Tilton, E.W.
Sterilization of 4-5-day-old pupae of the Indian meal moth with gamma radiation and its effect on mating competitiveness. 376166
Timbs, A.E.
Nuclear reactor. (German (F.R.) patent document 1614939/B/) 352628
Timerbaev, R.M.
International safeguards to ensure the non-proliferation of nuclear weapons. 371302
Timergaleev, R.G.
Electron spin resonance of vanadyl acetylacetonate in oriented polyvinyl chloride. 362202
Timm, U.
Evidence for the tau → γrhoπ decay mode. 372500
Measurement of the branching ratios for the decays J/psi(3.1) → fω and J/psi(3.1) → Bπ. 372506
Measurement of the J/psi radiative decay into f°(1270)γ. 377779
Recent results on e^+e^--annihilation at DORIS. (DESY – 77/52) 353997
Timms, W.E.
Flux flow in longitudinal geometry. 356374
Timofeenko, V.V.
Band structure of strontium fluoride. 356067
Timofeev, A.N.
Volume self-diffusion in tungsten. 369897
Timofeev, G.A.
Complexometric determination of trivalent rare earths and actinides with diethylene-triaminepentaacetic acid. 367059
Redox potentials of the Bk(4)-Bk(3) pair. 369747, 369762, 369763
Timofeev, I.G.
Data preparation for calculations with the Monte-Carlo method on the base of the 26-group constant system. (IAE – 2526) 361222
Timofeev, S.A.
Radiochemical separation of tellurium-129 for inner-conversion electron spectroscopy. 357087
Timofeev, V.B.
Gas-liquid phase diagram in a nonequilibrium electron-hole system in silicon. 377181
Timofeev, V.D.
On the possibility of using a nuclear reactor for synthesis of fluorinated organic compounds. 351644
Power electron accelerator for industrial radiation chemistry installations (project). (INIS-mf – 4194) 376349
Timofeev, Yu.P.
Interaction of recombination centers in Zns-Ag, Sm, and ZnS. CdS-Tm, Ni crystallophosphors. 371648
Investigation of excitation spectra of luminophors with rare earth ions in anti-stokes region. (INIS-mf – 3955) 362151
Timofeeva, E.N.
Nickel hardened with zirconium dioxide and yttrium oxide. 349518
Timofeeva, G.I.
Radiation chemical transformations of some polyarylates by γ-radiation in vacuum. 354439
Radiation-chemical transformations of some polyarylates in air. 354436
Timofeeva, L.P.
Fluorolon coatings of cold drying for radiation-protective equipment. 349576
Timofeeva, N.I.
Corrosion resistance of nickel compositions with sesquioxides of rare earth elements in water. 362310
Nickel hardened with zirconium dioxide and yttrium oxide. 349518
Timofeeva, T.V.
Characteristics of small-sized scintillation detectors for neutron logging. 365257
Timofeeva, V.A.
Effect of Dy^{3+} ions on transitions into atiferromagnetic state in substituted orthoferrites. 358868
NMR frequencies for Fe^{57} nuclei in the range of spin reorientation in crystals of mixed composition orthoferrites. 374784
Timofeeva, V.Ya.
On methods for the operational chemical control of the nitrogen tetroxide coolant. 349172
Timofeeva, Z.A.
Properties of micron-cross-section wires of molybdenum-rhenium alloys of electron beam melting. 367280
Torsions and suspenders of MR47-VP alloy. 365188
Timokhin, V.V.
Generalization of Regge-behaved DAMA to production processes. 353837
Timonen, T.
A simplified isotope release assay for cell-mediated cytotoxicity against anchorage dependent target cells. 354965
Timoshchuk, V.I.
Hall effect in Mn_3B_4. 373245

Magnetic properties of manganese borides alloyed with nickel. 373310
Peculiarities of magnetic properties of magnetic materials with spontaneous magnetization arising at temperature Tsub(c) < Tsub(N). 378751
Timoshenko, A.P.
Transportation of relativistic electron beam in a plasma. 348927
Timoshenko, V.I.
Applying acoustic waves for removing sulfate sediments on the heat exchange surfaces. (INIS-mf – 3914) 350196
Investigation of temperature dependence of sound velocity in the melts of aluminium, gallium and indium antimonides. 349467
Timoshevskij, G.F.
The calculation of energy spectra of primary knock-on atoms at the proton elastic scattering by the nuclei of different elements. (KFTI – 76-45) 377287
Differential cross section mesurement of elastically scattered 8,0 and 9,0 MeV protons by some isobars and isotopes of mean atomic weight. (KFTI – 75-15) 362108
Timoshnikov, Yu.
Determination of the lattice location of ^{16}O implanted into Si and Ge crystals. (INIS-mf – 3996) 363981
Lattice location of ^{16}O implanted in Si crystals by backscattering. 371577
Timrot, D.L.
Experimental study of cesium vapor thermal conductivity. 373279
Tince, F.
Application of the electroslag remelting process for the production of heavy turbine rotors. 359866
Tindale, J.B.
Method and device for inserting a multitude of fuel rods into a fuel element frame. (German (F.R.) patent document 1764925/B/) 352494
Ting, G.
The oxide chemistry of niobium in molten LiF-BeF_2 mixtures. 357070
Ting, S.C.C.
The discovery of the J particle; a personal recollection. 356526
Discovery of the J particle: a personal recollection. 361901
Tinka, I.
Analysis of accidents of pressurized water reactors in supercritical state. 370619
Application of Monte Carlo method in nuclear reactor criticality calculations. II. 368007
Tinney, J.F.
Western states uranium resource survey. (UCRL – 52000-77-5) 370266
Tinsley, B.M.
Chemical evolution in the solar neighborhood. III. Time scales and nucleochronology. 359174
Tinyakova, E.I.
Transformation of cyclopropane derivatives under tungsten halide influence. 378439
Tip, A.
The analytic structure of electron-atom scattering amplitudes. 374642
Tipler, F.J.
Black holes in closed universes. 364416
Singularities in conformally flat spacetimes. 366306
Tipton, H.W.
Radiation safety equipment. (German (F.R.) patent document 2617441/A/) 376220
Tipton, T.E.
Operating plant licensing support. 358579
Tipunkov, A.O.
Radiative capture cross-section of 0.6 – 1 MeV neutrons by ^{238}U nucleus. (INIS-mf – 3897) 356737
Radiative capture cross-sections of fast neutrons by ^{197}Au nucleus. (INIS-mf – 3897) 356736
Tir'on, Zh.
On polarization phenomena in some nuclear reactions induced by protons in light and intermediate nuclei. 375198
Tirelli, D.
Flowrate regulation device in PEC reactor fuel element. (IWGFR – 9) 350268
Tirelli, M.
Application of the Hanbury-Brown and Twiss interferometry to the production of like pions in πsup(-)p collisions at 11.2 GeV/c. 353777
Tiren, L.I.
Nuclear power plant safety. The merits of separation. 370565
Tiribelli, R.
Mapping of molecular orbitals in CO_2 and SF_6 obtained by (e,2e) technique. 353365
Validity of the (e,2e) reactions as a probe of the atomic and molecular structure. 371485
Tiringer, M.
A system for stabilizing the gain of a scintillation spectrometer using a light-emitting diode and a processor in feedback. 371173
Tirler, R.
Further evidence for production of electrons with small transverse momenta in pp collisions. 377784
Tirsell, K.G.
Filtered detector arrays for single pulsed photon measurements above 100 keV. (UCRL – 80314) 377555
High energy electron spectra from 1.06 μm laser produced plasmas. (UCRL – 80322(Summ.)) 377556
Tirsh, G.
Compact groups of compact galaxies. 6. 377589
Tischendorf, G.
Integrated geochemical exploration for deep-seated solid and gaseous mineral resources. 373420
Tischler, R.
High-spin states in ^{203}Bi populated in the (α, 4n) reaction. 372765
Tisell, L.E.
Hyperparathyroidism in persons treated with x-rays for tuberculous cervical adenitis. 367538
Tishchenko, L.P.
Processes occurring in vacuum heating of silver films with helium implanted. (KFTI – 74-47) 354626
Tishchenko, M.A.
Comparative stability and optical characteristics of various-ligand coordination compounds of rare earths with some aminopolycarboxylic aids and β-diketones. 349315
High sensitive luminescent determination of trace amounts of terbium with use of diantipyryl methane and salicylic acid. (INIS-mf – 4191) 375332
Tishchenko, O.P.
Radiation safety on operation of the TVEh-2500 thermonuclear power plant. (INIS-mf – 3954) 363026
Tishchenko, R.P.
On the electronic excitation of laser materials with high concentration of rare earth activators. (INIS-mf – 3955) 361425
Tishchenko, V.S.
Viscosity of metal melts and electron-phonon interaction. 365161
Tishchenko, V.V.
Heat-current stability system for hydrogen generators in thyratrons of the "SILUND" accelerator with the use of the TPA-i small computer. (JINR-R – 9-9604) 367965
Tishchenko, Yu.A.
The PM-1 proton microscope for particles with an energy up to 150keV. 350366
Tishin, A.S.
Anomalous effect of angular momentum on light nuclei fission by protons and alpha particles. (FEI – 538) 356610
Fission of preactinide nuclei. Angular anisotropy of (α,f) reaction. 375181
Tishin, V.G.
Injection for the IHEP booster using I-100 linac. (IFVE-PKU – 76-37) 376370
Tishkin, A.Sh.
Estimation of a potential use of a Ge(Li)-detector for the determination of natural radioactive elements in rock samples. 349628
Tishkov, V.P.
Installation complexes for sampling and measuring tritium in environment. 375267
Tishura, T.A.
Thermochemical characteristics of $MgCl_2$-MCl(M = Na, K, Rb, Cs) salt systems. (INIS-mf – 4193) 375588
Tisljar, M.
ÖEIZ-The Austrian INIS-Center, Department for documentation and information in the Research Center Seibersdorf of the Austrian Atomic Energy Research Ltd. (SGAE – 2698) 355682
Tisnek, N.I.
Use of silicon with gold compensation for detectors of low absorbed radiations. 374366
Tissen, V.G.
Effect of a pulsed magnetic field on terbium high pressure phase. 370061
Tissol'd, E.
Delay unit with adjustable limits and output cascade for pulse forming. (JINR-R – 13-10697) 371098
Titarchuk, L.G.
Emission variability of the Sco X-1 source on the observations of the Salyut-4 station. 364387
Observations of Cygnus X-1 on the Salyut-4 space station. 374963
Observations of the Cir X-1 X-ray source on the salyut-4 space station. 361709
Observations of the Hercules X-1 x-ray source on the Salyut-2 station. 369089
Scorpius X-1 – observations from the "Salyut-4" station in January, 1975. 364386
Titarenko, Yu.E.
Experimental determination of the effective resonance integral of metallic thorium. 358049
Tite, J.P.
Differential tolerance of thymus-independent and thymus-dependent antibody responses. 376112
Titenko, Yu.V.
Investigation into the structure of molybdenum vacuum condensate on supphire. 362370
Titheridge, J.E.
Least-squares polynomial analysis and its application to topside ionograms. 362619
Titkov, E.F.
On the nature of equatorial bonds in uranyl complexes. 359764
Titman, J.M.
Nuclear magnetic resonance in liquid metals and alloys. 353494
Titov, A.I.
Radiation-induced defects in silicon and germanium and a secondary emission method. (INIS-mf – 3996) 363936
Titov, B.A.
Perculiarities of the toxicity and radioprotective activity of aminopropyl aminoethyl thiophosphate. 379045
Titov, I.P.
Use of thoron for air tightness control of film-made articles. 357884

Titov, L.V.
On diborhydrides of alkali and alkaline earth metals. 365002
Titov, N.Ya.
X-ray radiographic analysis of residual stresses when cutting out or welding up closed-outline pieces. 349958
Titov, P.A.
About some effects on the coolant temperature field in fuel assemblies with wire spacers. (FEI - 624) 350271
Titov, V.A.
Pressure of SnI_2 saturated vapor. 375616
Titov, V.I.
Studying 500 keV proton effect on system of polymethyl-phenyl-siloxane and silazane. 362290
Titov, Yu.I.
Inelestic scattering of 1,2 GeV electrons by Al and Ti nuclei. (KFTI - 76-27) 362031
Titova, A.G.
Study on spin-reorientation phase transformation in samarium ferrite garnet by static and NMR methods. 350713
Tittel, G.
Direct identification of $^{103-107}$Mo by a rapid chemical separation procedure. 369765
Tittel, K.
Charged particle multiplicity distributions in pp collisions at ISR energies. 356525
A detector for high-energy neutrino interactions. 379899
Is there a high-y anomaly in antineutrino interactions. 351222
Like-sign dimuon events produced in narrow-band neutrino and antineutrino beams. 356512
Measurement of the neutral to charged current cross section ratio in neutrino and antineutrino interactions. 361888
Observation of a neutrino event with four energetic muons. 372525
Observation of trimuon events produced in neutrino and antineutrino interactions. 356511
Study of inclusive neutral current interactions of neutrinos and antineutrinos. 369377
Tittelbach, F.
Field measurements of soil moisture by means of gamma absorption. 373428
Titterington, D.
The electronic susceptibility and charge density waves in 2H layer compounds. 377185
Titterington, D.J.
A tight binding fit to the bandstructure of 2H-$NbSe_2$ and NbS_2. 377184
Titubalin, A.I.
Study on the (n,α) reaction on iron and nickel isotopes at neutron energies of 14,7 MeV. (KFTI - 75-15) 359474
Titus, C.H.
Switching for fusion reactors. (EPRI-ER - 376-SR) 361639
Tityunik, L.N.
Investigation of thermal conditions in growing eutectic alloy of indium and nickel antimonides using Czochralski method. 357294
Titze, O.
Inelastic electron scattering, radiative width and magnetization density of the 2^+, T=1 state at 16.11 MeV in ^{12}C. 372755
Isospin forbidden electroexcitation of the 1^-, T = 0 state at 6.95 MeV in ^{40}Ca, continuum shell-model and effective charge of the convection current. 369483
Tiwari, G.N.
Characteristics of guided waves in moving anisotropic semiconductor plasma. 366478
Non-convective instability in two stream solid state plasma. 366468
Slow wave modes in transversely magnetised plasma. 366479
Tiwari, M.S.
Particle aspect analysis of E x B drift instability in the presence of non-uniform electric field. 366600
Tiwari, R.N.
Passage from the fundamental tensor gsub(μν) of the gravitation theory to the field structure gsub(μν) of the unified theories. 353141
Tixier-Vidal, A.
Radio-receptor assay for thyrotropin releasing hormone. 354930
Tjen, H.S.L.M.
The diagnostic value of pancreas scintigrams prepared with the aid of synthetic selenomethionine combined with duodenal scintigraphy. (INIS-mf - 4010) 367716
sup(99m)Tc diethylacetanilido-iminodiacetate combined with functional imaging for the study of hepatobiliary function. (INIS-mf - 4010) 370463
Technetium-99m-labelled diethyl-acetanilido-iminodiacetate: a new hepatobiliary agent. 352077
Tjioe, P.S.
Extended automated separation techniques in destructive neutron activation analysis. 372935
Tjoa, G.L.
Radiation effects on low-cycle fatigue and tensile properties of aisi type 304 stainless steel at 298 K. (ECN - 32) 375959
Tjoem, P.O.
Decay of the compound nucleus ^{74}Kr formed in the reaction ^{16}O + ^{58}Ni. 354265
A new experimental method for the study of regions of high spin and excitation energy. 378070
Tjon, J.A.
Calculations of elastic n-d scattering for the Reid potential. 377939
n-d breakup calculations with the Reid interaction. 351313
Tkach, N.M.
Spin flip probability of 6.9 MeV protons in inelastic scattering on ^{24}Mg. 378046
Tkach, N.N.
Preamplifiers and amplifiers of silicon surface-barrier detector pulses for charged particle studies. (KIYI - 76-15) 363594
Tkachenko, E.L.
Preparation and physicochemical characteristics of nickel(2)- and copper(2) complexes with N-salicylideneaminopyridinium iodide. 378418
Tkachenko, E.V.
Nature of conductivity of strontium orthomolybdates depending on composition of compounds and thermodynamic parameters of medium. 378415
Tkachenko, N.N.
Experimental verification of the statistical theories of scaling factor effect in fatigue fracture of steel. 378739
On the mechanism of environment effect on the cyclic strength of steels. 359836
Tkachenko, O.P.
Effect of preliminary gamma irradiation of oxides on catalysis of homomolecular exchange of oxygen reaction. 373068
Tkachenko, V.G.
Internal friction and segregation effects in metals with cellular structure. 370059
Tkachenko, V.V.
Depth distribution of the absorbed dose of external γ-irradiation in domestic animals. 370688
Tkachenko, Z.A.
Spectroscopic study of interaction of vanadium oxotrichloride with alcohols. 359641
Tkachev, A.V.
Measuring the bimetal plates sagging under high-temperature heating. 358020
Tkachev, K.V.
Solubility in $NaBO_2$-$Na_2B_4O_7$-Na_2CO_3-H_2O system at 25 deg C. 351573
Tkachev, M.V.
Processes taking place in arc plasmatron chamber in cutting of metals. 349418
Tkachev, V.D.
Amorphization of semiconductor materials as a process of attainment of point defect maximum concentration. 374801
Change of the lattice period of gallium arsenides irradiated with neutrons during annealing. 348848
Formation of disorder regions in silicon affected by high-energy gamma-quanta. 348795
Investigation of shallow radiation defect levels produced in Ge by fast-neutron irradiation. 371586
Paramagnetic defects in germanium irradiated with neutrons. 348782
Polyvacancy-type defects and amorphization in germanium irradiated with fast neutrons. 348762
Radiative recombination centres in silicon irradiated by fast neutrons and ions. 370230
Tkachev, V.I.
Strain hardening of armco-iron during low-cyclic fatigue in hydrogen gas. 370039
Tkacheva, G.A.
Disturbance of the mutual effect in the system thyreocyte-thyrotropic hypophyseal hormone by radiation. 349757
Tkacheva, N.A.
Extraction of platinum metals by alkyl anilines from solutions of chlorination of industrial copper-nickel half-finished products. 362180
Neutron activation determination of iridium in rocks, ores, and ore concentrates. 375980
Tkachuk, A.M.
Radiation, radiationless and forced transitions in binary lithium-rare earth fluorides. (INIS-mf - 3955) 366448
Spectroscopic properties of monocrystals of rare earth-aluminium garnets and rare earth ortho-aluminates activated by Ho^{3+}, Er^{3+} and Tu^{3+} ions. (INIS-mf - 3955) 378291
Spontaneous and stimulated radiation of monocrystals of yttrium and rare earth oxyortho-silicates activated by golmium. (INIS-mf - 3955) 377249
Tkachuk, B.V.
Study of ESR spectra in thin polysiloxane films prepared from gas phase in plasma of glow discharge. 375719
Tkachuk, I.Yu.
EPR of Mn^{2+} in semiconductor crystals of the $A^2B^4C_2^5$ type. 348760
Tkacik, M.F.
Plutonium uptake by the green alga Scenedesmus obliquus (Turp) Kutz, as a function of isotope and oxidation state. (DP-MS - 77-98) 373638
Tkeshelashvili, L.K.
Activation analysis of ribonucleic acides isolated from normal and tumoured tissues. (INIS-mf - 3994) 378087
Tkhabisimov, D.K.
Generalization of the method for averaging the distribution function for particle trajectories as applied to problems of numerical modeling of conic instability of magnetospheric plasma. (N - 77-24684) 365320
Tkhorik, Yu.A.
Investigation of structural perfection of semiconductor crystals and heterostructures by means of synchrotron radiation. (EFI - 206(52)-76) 379971
Tlaczala, W.
Calculation of the efficiency and losses of electronics for drift chambers. 355501
Fast shaper with digital control of the threshold, delay and output pulse width. 376739

Tmenov, D.N.
Studing structure and catalytic properties of Co-Mo-oxidic catalyst during its reduction by hydrocarbons. 378416
To, K.C.
Reactions of iodine with olefins. IV. Preferential site attack of electrophilic high energy iodine in gaseous, high pressure, and liquid butene-1. 359811
Toaff, S.
Study of the reaction $\pi^+p \rightarrow K^+\Sigma^+$ between 1.721-1.954 GeV c.m. energy. 356528
Toba, Y.
Isobaric analog resonances in the ^{82}Se + p system investigated by (p,p'γ) angular correlations and low-lying states in ^{83}Se. 354271
Tobailem, Jacques
Cross sections of nuclear reactions induced by protons, deuterons, and alpha particles. IV – Aluminium. (CEA-N – 1466(pt.4)) 359532
Tobais, C.A.
Bevalac Minibeam Facility. 363337
Tobari, Chitose
Thyroid scanning and thyroid uptake using $Na^{123}I$ in various thyroid diseases with special reference to comparison with $Na^{131}I$. 354966
Tobias, A.
Acoustic emission analysis for the surveillance of pressurised components. 365787
A direct digital controller for an automatic sodium plugging meter. (CEGB-RD/B/N – 4112) 355630
Multi-channel acoustic emission surveillance of a pressure vessel during proof test. (IWGFR – 10) 363405
An ordered table of gamma radiation derived from an ENDF/B-IV fission product data file. (CEGB-RD-B-N – 4053) 351421
Tobias, C.A.
Bevalac Minibeam Facility. (LBL – 5540) 374083
Calibration of high-energy heavy-particle beams with plastic nuclear track detectors. 352814
The effects of accelerated heavy nuclei of neon and argon on mammalian cells in culture. 378981
High-LET particle dosimetry in the ASTP-Biostack III: Zea mays experiment. 360250
Tobias, M.L.
Inventory and relative biological hazard of LMFBR core materials. (ORNL/NUREG/TM – 165) 379307
Overview of gas-cooled reactor systems: Their importance and their interactions. 379684
Tobias, R.L.
Lunar surface gravimeter experiment. Final report. (N – 77 – 18981) 351016
Tobin, W.
Restrictions on models for superlight flux variations in radio sources. 351031
Tobioka, Toshiaki
Review of irradiation experiments for water reactor safety research. (JAERI-M – 6925) 350213
Tobita, Hiroo
Performance test of the pretreatment unit for Kr-85 recovery system from off-gas in fuel reprocessing plant. (PNCT – 831-77-01) 380024
Toburen, L.H.
Energy and angular distribution of electrons ejected from argon by 5-keV to 1.5-MeV protons. 350595
Energy and angular distributions of electrons ejected in the ionization of SF_6 and TeF_6 by fast protons. 366377
Tochin, V.A.
Investigation of radical recombination in irradiated polyethylene at 23 deg C. 359812
Tocqueville, R.
The Mark II Nancay radioheliograph. 372129
Toda, M.
rf acceleration in KEK booster. 363278
Toda, Yoshitomo
Particle properties of cadmium sulfide prepared by the reaction of cadmium salts with hydrogen sulfide. 359611
Various influencing factors on the oxidation of cadmium sulfide. 359612
Todd-Pokropek, A.E.
Carbon-11-labelled compounds in dynamic imaging studies of the brain. 354950
Todd, A.M.M.
Plasma engineering studies for the tokamak experimental power reactor. (CONF-771029 – 190) 377540
Todd, C.W.
^{57}Co: a volume marker for the triple-isotope, double-antibody radioimmune assay. 357682
Todd, G.
Adsorption and early stages of condensation of Ag and Au on W single-crystal surfaces. 351700
Todd, J.H.
Neutron capture cross section of ^{240}Pu. 351427
Todd, P.W.
Microdosimetry, biological modeling, and theoretical biophysics. (ORNL – 5171) 366918
Todd, R.W.
Gamma-radiation imaging system based on the Compton effect. 361032
Todd, T.N.
ECR and upper-hybrid heating in the Culham Levitron. (INIS-mf – 3963) 372002
Toderean, G.
Generator supplying a quadrupolar type mass analyser. 379995
Todirashku, S.S.
Optical and impact excitation of hydrogen molecule in presence of a strong electromagnetic field. 363930
Todokoro, Hideo
Single atom image observation by means of scanning transmission electron microscope. 377056
Todoroki, G.
Sector experiment of theta-pinch plasma in modified bumpy torus. (INIS-mf – 3963) 371977
Todoroki, Takeshi
Radiobiological effectiveness of high LET radiation. 349756
Todorov, B.
Adenosinetriphosphate content and adenosinetriphosphatase activity in cell fractions of the liver and brain of chick embryos and birds treated with gamma-rays. 367515
Todorov, I.T.
On the duality hypothesis in quantum field theory. (JINR-D – 2-9788) 374592
Quasi-potential approach to the problem of bound states in quantum electrodynamics. 358680
Todorov, T.S.
Quantization postulate in quantum mechanics. 353162
Todorovic, J.
Investigations of crystal and magnetic properties of nickel ferrite-aluminates. 371560
Todorovic, Z.
Factors affecting the sensitivity of plastic detectors to ionizing α-particle registration. 368271
Fission of Bi, Pb and Au induced by 0.65, 1.74 and 4.12 GeV alpha particles. 366978
Todreas, N.
Analysis of the feasibility of implementing an implicit temporal differencing scheme in the SUPERENERGY code. (COO – 2245-35TR) 379783
Todreas, N.E.
Approximate method for predicting temperature distribution in wire wrapped fuel assemblies of a LMFBR. (COO – 2245-37TR) 379787
Measurement and analysis of flow wall shear stress in an interior subchannel of triangular array rods. (COO – 2245-49TR) 379756
A model for fuel fragmentation during molten fuel/coolant thermal interactions. (CONF-761001 – P4) 363036
Proposed model for vapor bubble-slug heat transfer during LMFBR HCDAs. 352212
WARD blanket assembly pre-test predictions by SUPERENERGY. (COO – 2245-40TR) 379744
Todurova, S.I.
Rational thermal conditions of sheet 08kp steel treatment. 357207
Toebbe, H.
Introducing experimental evidence in the critical aspects of SNR fuel design. 368218
The KNK-II fuel elements: design and irradiation programme. 371064
Layout of the KNK-II core elements. 376562
Toegl, K.
Screw fastening device for the opening and closing of a reactor vessel lid. (German (F.R.) patent document 2428847/A/) 355314
Stud tensioner for opening and closing the head of a reactor pressure vessel. (German (F.R.) patent document 2428847/B/) 352477
Toei, Kyoji
Extraction-photometric determination of cobalt in high-temperature alloys with 2-nitroso-5-dimethylaminophenol. 354294
Toelgyessy, J.
Dekryptonation thermal analysis of some isothiocyanates. 372962
The sub- and super-equivalence method of isotope dilution analysis. 372883
Toennies, J.P.
Resonance structure in the low velocity scattering of H atoms from C_2H_4. 358813, 377109
A study of the dynamics of rotational excitation: quasi-classical phase space density functions for $Li^+ + H_2$ at 0.6 eV. 355854
Toepfer, A.J.
Electron beam driven implosions. (SAND – 77-1506C) 371733
Pulsed power applications to intense neutron source development. 355203
Toepfer, S.
Use of magnetic tape services in the field of scientific and technical information. (ZfI-Mitt – 7) 374489
Toepffer, C.
Dynamic model of the absorption in heavy ion scattering. 354063
Toepler, J.M.
Studying the rotation of the NH_4 ion in ammonium chloride by means of high-resolution neutron spectroscopy. (Juel – 1389) 353495
Toernqvist, N.A.
The Okubo-Zweig-Iizuka rule and unitarity. (HU-TFT – 77-3) 366865
Toeroek, G.
Some problems concenrning the use of automated radiochemical separation systems in destructive neutron activation analysis. 356970
Toeroek, I.
Fast neutron induced 12^- isomeric state of ^{206}Tl. (ZfK – 336) 364828
Toerring, T.
Quadrupole hyperfine structure and splitting of Δ-levels in the microwave spectra of KOH, RbOH and CsOH in the 100 GHz region. 355891

Tofaute, K.
Hygienization of sewage sludge by electron irradiation. 365681
Toffel, P.
Polarogram of the free hydrogen atom and of some simple organic radicals. 357181
Toffer, H.
Criticality control and long-term storage of spent fuel. 369845
Toffolo, W.E.
Effect of conductor self-shielding on eddy current losses. (GA-A - 14454) 361512
Parallel connecting poloidal coil system for a doublet tokamak fusion reactor. (GA-A - 14248) 372060
Time dependent study of eddy current loss in a superconducting composite. (GA-A - 14631) 371786
Togashi, Toshihiko
Two cases of postradiation damage to bone and cartilage in head and neck regions. 349771
Togentti, V.
Light scattering in Heisenberg antiferromagnets. 361420
Tognetti, V.
Two-body collision induced light scattering comparison between a memory function approach and molecular dynamics experiments. 371461
Tognini, R.P.
Spectroscopical analysis of copper, iron, lead, zinc and gold in high purity metalic silver. (IEA - 411) 356960
Togo, Masami
Cesium-137 and potassium contents in low-teens in areas of different fall-out levels in Japan. 355053
Togo, Y.
Key issues on safety design basis selection and safety assessment. (CONF-761001 - P1) 362850
Togo, Yasumasa
Optimization of refueling scheme of fast reactor core by means of man machine interactive method. 355469
Toha, J.C.
Radioprotection of DNA molecule by oxido-reduction's coenzymes. 376054
Tohda, Masayuki
Moessbauer study of Fesub(0.5)Nisub(0.5)S_2. 353474
Tohei, Kazushige
Recirculating flow-rate control system in an atomic power plant. 350186
Tohmatsu, Takao
Measurement of nitric oxide abundance in equatorial upper atmosphere. 354724
Measurements of stratospheric aerosols by the solar occultation method. 349684
Radiative transfer of atomic and molecular resonant emissions in the upper atmospheres, 1. 354725
Tohsaki-Suzuki, Akihiro
A new core-like potential between complex nuclei. 372679
Tohyama, Itiro
Ion exchange in HCl, NH_2OH x HCl and N_2H_4 x 2HCl solutions. 364922
Toi, K.
Tokamak experiments on JIPP T-II device. (INIS-mf - 3963) 371853
Toi, Kazuo
Optimum design of control coils in a tokamak device by nonlinear optimization. 353648
Toja, Kh.
High-power electro-ionization CO_2 laser system for thermonuclear research. 363114
Tokar, M.Z.
Heat and particle transport to a wall of a tokamak reactor. (INIS-mf - 3963) 353651
Tokarev, N.N.
Non-filtration method of processing uranium ores. 365105
Tokarev, Yu.I.
The use of nuclear reactors for centralized heat supply and district heating. 371216
Tokarev, Yu.N.
Action of γ-radiation on bioluminescence of Noctiluca miliaris. 378992
Tokareva, D.V.
Cesium determination in powder samples by X-ray fluorescence method. 367020
Tokareva, L.R.
Some properties of vanadyl tungstate. 351579
Tokarevskij, V.V.
(α, t) reactions on ^{45}Sc, ^{51}V and ^{59}Co nuclei at 27.2 MeV α-particle energy. 369511
The ^{47}Ti(d,p)^{48}Ti and ^{49}Ti(d,p)^{50}Ti reactions at 13.6 MeV deuteron energy. 375208
Specific features of elastic scattering of alpha particles on sup(45)Sc and sup(51)V. 377997
Study of the sub(27)Al(α, t)sup(28)Si reaction on 27,2 MeV α-particles. 377922
Tokarivskij, M.V.
On luminescence of $SrCl_2$-Eu^{2+} single crystals. 350967
Tokarivskij, V.M.
Intracentre luminescence of $SrCl_2$-Pb single crystals. 361481
Tokarskaya, V.I.
Radiation aspects of the transcription problem. 370371
Tokarz, F.
Evaluation and assessment of nuclear power plant seismic methodology. (UCRL - 52236) 357733
Tokhirov, K.R.
Subthreshold defect production in silicon. 370249
Toki, H.
Anomalies in the yrast band of Pt and Hg isotopes. (ZfK - 336) 364728
Decoupled and strongly coupled particles system in odd-odd mass nuclei. 362025
Deformation energy surfaces at very high spin states. (ZfK - 336) 364713
The fission barrier of actinide nuclei at very high angular momentum. 356597
Positive-parity states in Pt and Hg isotopes and the coriolis antipairing effect in the deformed-rotor model. 372690
Very high spin Strutinsky calculations with a Woods-Saxon potential. 354092
Tokiguchi, Katsumi
Ion accelerator. 367980
Tokita, N.
Local tumor hyperthermia in combination with radiation therapy. I. Malignant cutaneous lesions. 357594
Tokman, I.A.
The $Ca(PO_3)_2$-$Sr(PO_3)_2$ system. 375423
Systems of $Ba(PO_3)_2$-$Sr(Pu_3)_2$, $Cd(PO_3)_2$-$Ca(PO_3)_2$. 351580
Tokuda, Kazuho
Pressurized water reactor nuclear power training center. 350226
Tokuda, N.
Measurement of polarized target asymmetry in $\gamma p \rightarrow \pi^+ n$ below 1.02 GeV. 369371
Tokuda, Yutaka
Effect of the defect clusters on the mobility in neutron-irradiated p-type silicon. 361477
Tokuhisa, Sachiko
Studies on phenylalanine metabolism by use of tracer techniques. 378417
Tokumoto, S.
KEK booster to main ring beam transfer system. 363142
Tokunov, A.I.
Fast ion production in a tokamak plasma in the lower hybrid heating experiments. (INIS-mf - 3963) 371867
Tokuoka, S.
Breast cancer incidence among atomic bomb survivors, Hiroshima and Nagasaki, 1950 - 1969. 362704
Tokutake, T.
Reduction of power loss due to heavy impurities in Diva. (INIS-mf - 3963) 372098
Tokutomi, Shoichiro
Effect of neutron irradiation on mechanical properties of niobium and Nb-Y alloy. 354627
Tokuyama, K.
Heat transfer to liquid helium in a narrow channel below 4.2 K. 360596
Tokzhigitov, K.
Migration of metallic impurities in Silica gel under reactor irradiation action. 373343
Toledo, A.S.
Study of one-proton transfer reactions in tellurium isotopes. 354272
Toledo, A.S. de
Levels in ^{123}I and ^{125}I from (^{3}He,d) reactions. (IFUSP-P - 109) 363932
Measurement of the mass of ^{123}I. (IFUSP-P - 108) 364723
Semimicroscopic description of the ODD iodine nuclei in the mass region $123 <= A <= 133$. (IFUSP-P - 107) 363931
Tolfree, D.W.L.
A 480-channel lead glass Cherenkov detector. 355498
Tolk, K.M.
Circuit and magnetic analysis for a system of Faraday rotator coils driven by a two-spool, four-rotor homopolar generator. (CONF-771029 - 119) 377482
Design, fabrication, and testing of a fast discharge homopolar machine (FDX). (CONF-771029 - 117) 377414
Electromagnetic torques and forces due to misalignment effects and eddy currents in the homopolar generator, power supply for the Texas Experimental Tokamak (TEXT). (CONF-771029 - 118) 377393
Test data on electrical contacts at high surface velocities and high current densities for homopolar generators. (CONF-771029 - 121) 377361
Tolk, N.H.
Photon emission from rare gas ion bombardment of metal surfaces. 353433
Tolkach, V.V.
Adsorption of strontium 90 by krill. 360358
Uttrium-90 incorporation into krill. 349794
Tolkachev, V.A.
Study of role of methyl radicals in γ-radiolysis of crystalline acetic acid at 77°K. 365041
Tolkacheva, E.N.
Increasing of registering capacity of nuclear emulsion for autoradiography. 362545
Tolksdorf, E.
Examples of an integrated quality assurance system for LWR fuel elements. 376497
Tollbaeck, H.
Studies on the incorporation of spent ion exchange resins from nuclear power plants into bitumen and cement. 358472
Tollbom, L.R.
Fast flux test facility major component testing experience and plant construction experience. 379841
Tolle, D.V.
Radiation-induced erythroleukemia in the beagle dog. 367516

Toller, M.
Sequential decay of anisotropic fireballs. 361955
Tolley, B.
Examples of application and correlation studies for safety rules and standards in nuclear power plants, and related considerations. 352301
Tolmachev, B.T.
Use of the "Start" system instruments in the automation circuits of bubble chamber technological process. (JINR – 13-9166) 350337
Tolmachev, V.T.
Photography system for the "Ludmila" facility. Tape transport mechanism, gas panel and control electronics. (JINR – 13-9710) 376608
Tolmachev, Yu.A.
Effective cross sections of dissociation of $5p^5$ ^{2}Psup(0)sub(1/2) metastable atoms in collisions with iodine molecules and oxygen atoms. (INIS-mf – 3915) 348723
Model of excitation energy transfer between HeI N=5 levels in inelastic collisions of excited atoms with normal. 358843
Quenching of metastable iodine atoms in collisions with iodine molecules and electrons. 353328, 377096
Tolmacheva, N.S.
Rare earth complexes with 1,1'-dimethyl-2,2'-biimidazolyl. 369681
Tolmazina, M.A.
Effective potential method in inelastic electron-atom collisions. (INIS-mf – 3915) 348685
Tolnas, E.
Multichannel Thomson scattering apparatus. (PPPL – 1356) 356090
Tolok, V.T.
Tokamak with an intense (higher 100kOe) magnetic field. (INIS-mf – 3954) 361487
Tolpadi, S.K.
Characteristics of guided waves in moving anisotropic semiconductor plasma. 366478
Non-convective instability in two stream solid state plasma. 366468
Slow wave modes in transversely magnetised plasma. 366479
Tolpegina, L.S.
Semiconductor catalyst surface state investigation by positron annihilation method. 368731
Tolpygo, V.
Co-operation of the CMEA member countries in the development of different reactor types, including certain aspects of their nuclear fuel cycle. 366143
Tolpygo, V.K.
Co-operation between member states of the Council for Mutual Economic Assistance (CMEA) in radioactive waste treatment and burial. 358504
Tolstaya, M.V.
Reduction of α-oxo- and α-oxyderivatives of ferrocenophane by sodium borohydride in the presence of the Lewis acid (aluminium chloride or boron trifluoride). 349270
Tolstenkov, A.N.
On a possible account of SU(6)-symmetry breaking in multiple production processes. (IFVE-OTF – 76-2) 349067
Tolstikov, G.A.
Chemical reaction of cycloalkenes with silane derivatives. 359717
Tolstikov, V.A.
Analysis of the method to measure fast monoenergetic neutron fluxes by recoil-proton proportional counters. 379874
Estimation of cross section of fast neutron radiative capture by gold-197. (INIS-mf – 4043) 362111
Radiative capture cross-section of 0.6 – 1 MeV neutrons by ^{238}U nucleus. (INIS-mf – 3897) 356737
Radiative capture cross-sections of fast neutrons by ^{197}Au nucleus. (INIS-mf – 3897) 356736
Radiative capture of fast neutrons by ^{238}U nucleus. (INIS-mf – 3897) 356915
Technique for measuring the radioactivity of ^{239}U. (FEI – 501) 356767
Tolstoj, A.E.
Storage as an object of radiation studies. (KFTI – 75-35) 355165
Tolstoj, M.N.
Absolute intensities of spectra of glass with rare earth ions. (INIS-mf – 3955) 362167
Absolute quantum yield of luminescence of rare earth ions in glass. (INIS-mf – 3955) 362152
Chronospectroscopic investigation of luminescence of activated glass. (INIS-mf – 3955) 367114
Kinetic selection of excitation spectra of neodymium glasses. 378200
Multiplicity of neodymium optical centres in quartz glasses. 378201
Tolstolutskaya, G.D.
Electron microscopic studies of tungsten films irradiated with helium ions. (KFTI – 75-35) 353497
Helium desorption from tungsten foils irradiated by He^+. (KFTI – 74-47) 353496
Ion microscopy investigation of the impurity trapped interstitials in tungsten. (KFTI – 74-47) 350710
Studies of the irradiation and annealing effects on the tungsten surface bombarded by H_2^+, He^+, Kr^+ and Xe^+ ions of 1.6 MeV. (KFTI – 75-35) 354628
Tolstolutskij, A.G.
Determination of plasma parameters by ion energy spectra. (KFTI – 77-1) 377583
Tolstov, K.D.
Search for new short-lived particles in 70 GeV/c proton collisions with nuclei of photoemulsion. 369352
Tolstoy, V.N.
Projected basis for many-phonon systems. 375099
Tolstyakova, R.M.
Extraction of metal complexes with naphthyl- and benzyl bismuthol. 369607
Extraction-atomic absorption-determination of some heavy metals after their concentration by benzyl bismuthol in cyclohexanone. (INIS-mf – 4191) 375233
Tolstykh, V.P.
Polyvacancy-type defects and amorphization in germanium irradiated with fast neutrons. 348762
Tolwinski, J.
The effect of pulse losses in a scinticamera. 355550
Tom, J.L.
Dosimetry measurements of 26, 35 and 45 MeV p-Be and p-Li neutron beams. 376228
Toma, H.
Hydrogen sorption in La_2Mg_{17}. 354577
Toma, V.A.
Uranyl-labelled antibody (ULA) method and its application for Rh antibodies. 365497
Tomabechi, K.
A review of fast reactor progress in Japan. (IWGFR – 18) 363529
A review of fast reactor progress in Japan, March 1976. (IWGFR – 12) 358303
Tomabechi, Ken
Utilization factor of nuclear material in LMFBR. 355479
Tomachevsky, E.
In-service inspection and monitoring of LMFBR in France. (IWGFR – 10) 363495
Tomachevsky, E.G.
Appliance of stress wave emission in Phenix reactor. (IWGFR – 10) 365989
In-service inspection of Rapsodie's safety containment. (IWGFR – 10) 363530
Tomala, K.
An investigation of magnetic ordering in Gdsub(x)Cesub(1-x)Ru_2 by ^{155}Gd Moessbauer spectroscopy. 371675
Toman, J.
The potential of Plowshare for resource development, ch. 7. 374031
Toman, K.
Computational study of long-range high frequency ionospheric ducting. 362620
Tomas, T.
The release of ^{35}S from the cut hypothalamic end of the pituitary stalk following intravenous infusion of ^{35}S-cysteine in rats. 354891
Tomasek, M.
Shockley surface states on (110) face of molybdenum. 370060
Tomaselli, M.
Core excitations to the low lying states of thallium isotopes. (IKDA – 77/11) 364688
Microscopic description of the ground and of the septuplet states in ^{209}Bi. (IKDA – 77/10) 364724
Tomashevskij, A.
Decascading in analysis of gamma family characteristics obtained in X-ray emulsion chambers. 361749
Monte Carlo simulation of high-energy electromagnetic showers in air. 361748
Tomashevskij, N.A.
High-temperature chamber for studies on alloy structure using the Moessbauer effect. 358450
Tomasik, Z.
Some aspects of analytical chemistry of rare earth elements. 372886
Tomaszewski, A.
Effect of some metals (Rb, Cs, Ag, Tl, Sb, U) on metallothionein level in the liver and kidneys of the rat. 367634
Tombak, M.I.
Energy yield of roentgenoluminescence of polycrystal phosphors. 368797
Tomboulis, E.
1/N expansion and renormalization in quantum gravity. 355844
Tombrello, T.A.
Recent ^{11}B(p,3α) cross section measurements. (EPRI-ER – 536-SR) 372061
Sputtering by fast electrons. 353483
Tombs, F.
Nuclear power and the public good. 366153
A review of nuclear power in the United Kingdom. 363704
Tombs, Sir F.
Nuclear power and the public good. 370620
Tomchakov, V.K.
Nanosecond time-to-amplitude converter. 376717
Tomeoku, Hiroshi
Force-cooled small compound superconducting coil. 359219
Tomer, A.
Color metallography of U_3Si. 354597
Tomicic, I.
Radioprotection of DNA molecule by oxido-reduction's coenzymes. 376054
Tomida, Akira
Development of balanced downflow type surface condensers, (2). 350147
Tomii, Kakuzo
Quarterly progress report on the NSRR experiments, (3). (JAERI-M – 7051) 350275
Simultaneous measurement of neutron noise with vibration of a control plate under reactor operating condition at JRR-4. (UTNL-R – 0034) 379538
Tomik, J.
E2-type measuring fuel elements for A-1 power plant reactor.

350244
Methods of measuring and evaluating data from the R3E 100 mm dia. experimental fuel element. 350247
Program-controlled device MODUS-2. (JINR - 10-8074) 358423
The results of measurements and evaluation on experimental G-type and S-type elements. 350246
Tomilin, I.A.
Thermodynamic analysis of intergranular corrosion of austenite steels. 349366
Tomilov, F.Kh.
Estimating Baushinger effect from the reverse torsion test results. 360747
Tomimatsu, A.
Metric solutions of spinning masses. 355845
Tomimatsu, Akira
Time evolution of the energy spectrum of Alfven waves due to the non-linear Landau damping. (RRK - 77-4) 366767
Tomimura, N.
Szekeres's space-time have no killing vectors. 353668
Tominaga, K.
The vapourized-metal cluster ion source and its application to film formation. 370683
Tominaga, Kenji
Coolant dispersing device. 368127
Tominaga, T.
Moessbauer study of ancient Japanese artifacts. 348852
Tominaga, Toshiaki
Effect of strong Posterisan ointment on rectal injuries after radiotherapy of uterine cervical cancer. 360295
Tomita, Akira
Hydrogen uptake of titanium tubes in surface condenser and its prevention. 355322
Tomita, Kazuhiko
Exfoliative cytology in study of radiosensitivity of uterine cervical cancer, (2). 379081
Tomita, Yukihiro
Destruction of magnetic surfaces in a divertor region attributed to a discrete structure of magnetic coils. 353649
Tomita, Yukio
Flow of liquid metals with a transversely applied magnetic field, (8). 373986
Tomitani, T.
A large area multi-crystal positron camera. (INIS-mf - 4010) 358384
Tomiyama, S.
Cost analyses of uranium enrichment by laser isotope separation process. 352339
Tomiyama, Shunsuke
Method of separating uranium isotopes. 349931
Separation method of uranium isotopes. 360563
Tomiyama, Tsuyoshi
Neutron activation analysis of size-separated airborne dust particles, (2). 349153
Tomizawa, Shiro
Neutron irradiation effects in amorphous Pd-Si alloy. 373352
Tomkins, B.
The role of crack tip opening in corrosion fatigue for the ductile ferritic steel-water system. 354570, 362469
Tomkins, D.W.
An investigation of the factors affecting the cathodic etching for cleaning metal surfaces prior to ion-plating. 377299
Tomkowicz, Z.
Calorimetric and X-ray investigation of t-nitrobutane. 364141
Investigations of crystal and magnetic properties of nickel ferrite-aluminates. 371560
Tomlinson, E.T.
Sensitivity analysis of TRX-2 lattice parameters with emphasis on epithermal ^{238}U capture. Final report. (EPRI-NP - 346) 360781
Solution of the finite element diffusion and P_1 equations by iteration. 352453
Tomlinson, M.
Canada keeps its disposal options open. 376774
Management of radioactive wastes from nuclear fuels and power plants in Canada. (AECL - 5706) 361100, 368362
Tommasini, F.
Elastic and inelastic scattering of ^{20}Ne and ^{22}Ne from a (001) surface of lithium fluoride. 368890
Tommasino, L.
Neutron dosimetry by the spark-replica counter with and without etching. 355590
Tomoda, Goro
Effect of ^{60}Co-γ ray irradiation on green coffee beans, 1. 367681
Tomoda, S.
How ionic is Na at a partially covered W(110) surface. 368863
Ionization at metal surfaces. 361465
Tomov, I.V.
Self-steepening of the density profile of a CO_2-laser-produced plasma. 366534
Tomoyasu, Isamu
The nuclear quadrupole resonance of dibromoiodate ions. 367110
Tomozov, A.P.
On the polarization effect calculation for nuclear reactions. (KFTI - 75-15) 362026
Tomozov, V.M.
Magnetic field energy dissipation in neutral current sheets. 372110
On the spectrum of electrons interacting with strong ion-sound turbulence. 374835
Tompkins, F.C.
Proceedings of the sixth international congress on catalysis, Imperial College, London, 12-16 July, 1976. Vol. 1. 367066, 367074, 367086, 367138, 367858, 369775
Tompkins, J.C.
Direct measurement of the π^- form factor. 372514
A measurement of the electromagnetic size of the pion from direct elastic pion scattering data at 50 GeV/c. 353922
Tomskij, I.V.
X-ray radiometric technique in exploration for tin-polymetallic ores in Primorje. 376020
Tomson, A.S.
Diffusion and structure of defects in Cdsub(x)Hgsub(1-X)Te crystals. 365136
Tomson, G.I.
The recrystallization of gamma-1 and beta-quenched commercial uranium. 359993
Tomusiak, E.L.
Electroproduction of low energy π^+ from ^3He. 361765
Pion electroproduction from ^6Li. 372821
Tonami, Norihisa
Diagnosis of cold thyroid nodule with ^{201}Tl scintigraphy. 367717
Study on tumor affinity of sup(99m)Tc-labeled radiopharmaceuticals. 349843
Tondello, G.
Line broadening and self-absorption of Be IV in a laser-produced plasma. 364257
Satellite spectra from laser-produced plasmas of Be, B, C, N, and O in H-like and Li-like configurations. 350662
Tondinelli, L.
Considerations on nuclear transmutation for the elimination of actinides. 358470
Tone, Hirohito
Fission product iodine carry-over from experimental apparatus. (JAERI-M - 7093) 367157
Toneev, V.D.
High energy deuteron beam interaction with matter. (JINR-R - 2-7848) 349103
Reactions induced by high-energy particles and nuclei. (KFTI - 74-27) 354041
Toneh, Eh.R.
Some questions of titanium coating of carbon steels. (INIS-mf - 4046) 369882
Tonetti, G.
Direct measurement of plasma electromagnetic potential. 377557
Measurement of the poloidal configuration in the Lausanne belt pinch. (INIS-mf - 3963) 371985
Measurement of the poloidal magnetic configuration in the Lausanne Belt-Pinch. 377328
Toneya, T.
Conformal anomaly and the interaction of instantons. 361318
Tong, L.S.
Apparatus for monitoring two-phase flow. (US patent document 4,009,614/A/) 358235
Summary of LWR safety research in the United States of America. 370886
Tongendorff, J.
Comparison of bone and non-bone concentration parameters of sup(99m)Tc-MDP and sup(99m)Tc-pyrophosphates in 350 patients using the ROI-technique. (INIS-mf - 4010) 357604
Tongson, L.L.
Combined UHV ion-scattering and secondary-ion mass spectrometer using magnetic analysis. 366057
Tongur, A.M.
Action of x-radiation on the isolated nuclear membranes. 352008
Tonin, M.
Dimensional regularization and anomalies. 361296
Non-Abelian gauge theories and triangle anomalies. 363765
Tonkikh, V.K.
Production of directional fluxes of slow positrons using an elliptical electrostatic reflector. (INIS-mf - 3915) 350349
Tonkopryad, V.M.
Electron thermal conduction of current-carrying plasma in stellarators. (KFTI - 74-36) 348976
Tonkov, E.Yu.
Calorimetric study of an electronic transition in Smsub(1-x)Gdsub(x)S alloys. 374658
Effect of a pulsed magnetic field on terbium high pressure phase. 370061
Tonnelat, M.A.
Event horizon and scalar potential. 353069
Tonnessen, K.A.
Relative hazard of nuclear wastes and naturally occurring toxic minerals. 352329
Tonolini, F.
Acoustic emission measurements during the first pressure vessel hydrotest at ENEL - Caorso BWR. 365858
Tonomura, F.
Phase relations and the thermal transformations of rare earth dicarbide solid solutions. 362481
Tonon, G.
Recent results in the lower-hybrid heating of the Wega device. (INIS-mf - 3963) 372085
Tonuma, T.
Bonding effect in X-ray spectra induced by 84 MeV N^{4+} ions. 358846, 377562
The dependence of multiple inner-shell ionization on the projectile energies and on target elements by nitrogen-ion bombardment at the energy above 4 MeV/amu. 353180, 376964
Tonwar, S.C.
On the high energy proton spectrum measurements. 372156
Toohig, T.E.
Direct measurement of the π^- form factor. 372514
Report of the radiation group on radiation backgrounds and

damage in the ISABELLE intersection regions. (BNL – 50611) 357976
Toombs, G.L.
Comparative responses of thermoluminescent dosimeters in environmental monitoring situations. 371144
Toonkel, L.
Plutonium concentrations in air near Rocky Flats. 365339
Toonkel, L.E.
Scavenging ratios. (CONF-741003 –) 370298
Toor, A.
Observation of X-rays from the Crab Pulsar. 359175
Toornvliet, J.
Application of a non-dynamometric method to the measurement of the coefficient of static friction in cold and hot water between stainless steel and two alloys of zirconium. (EUR – 5604) 373175
Top, Z.
Dissolved helium in lakes: uranium prospecting in the Precambrian terrain of central Labrador. 357451
Top, Z.H.
Incorporation of electionically nonadiabatic effects into bimolecular reactive systems. II. 355925
Topchieva, K.V.
Catalytic activity of zeolite-containing catalysts in cumene cracking. 378318
Ion exchange properties of Y zeolite. Exchange with magnesium, zinc, cadmium, manganese, yttrium cations in aqueous solutions. 378382
On stage mechanism of hydrogen catalytic oxidation on rare earth oxides. 354351
Reactive forms of oxygen on surfaces of rare earth oxides in low-temperature reactions of catalytic oxidation. 369661
Specific features of formation of O_2^- anion radicals on surface of rare earth oxides. 349255
Topchij, Ya.M.
Determination of the fields of controlled metal transfer in pulsed-arc welding with consumable electrodes. 349403
Topchyan, L.S.
Investigation of electrical resistance and stored energy at low-temperature irradiation of titanium diboride. 360125
Topel'berg, V.V.
Design criteria for high-voltage power supplies of an ion-optical system of ion sources. (INIS-mf – 3954) 361646
Topilin, V.V.
Alloying with nitrogen and denitriding of the complex composition metal bath. 357293
Effect of ultrasonic treatment on high tensile nickel base alloys properties. (INIS-mf – 3914) 349401
Quality of high-speed steel of huge electroslag ingots. 349455
Toplicar, J.R.
Electron tunneling study of the superconducting proximity effect in Pb-Cd. 359994
Toporkov, D.K.
Targets for storage devices. 350054
Toporov, Yu.G.
Distribution of costs in accumulating isotopes of transuranium elements. 350415
Topp, S.V.
Alternatives for long-term management of defense radioactive high-level waste at the Savannah River Plant. (DP-MS – 77-22) 352864
Toppel, B.J.
Benchmark specifications and solutions: two fast reactor safety-related slowing-down problems. 360471
Toptygin, D.Ya.
ESR study of trivalent iron salts effect on formation and transformation on free radicals during low-temperature γ-radiolysis of polymers. 365057
Toptygin, I.N.
Relation between an interplanetary-magnetic-field inhomogeneity spectrum and the cosmic-ray-intensity fluctuation spectrum. 356334
Topuriya, T.
Charge asymmetry at large psub(T) in inelastic anti pp reactions at 22.4 GeV/c. 353943
Multiplicities and forward-backward correlations in anti pp interactions at 22.4 GeV/c. 366882
Torba, G.F.
Internal strains in iron-nickel films prepared from invar alloys. 370062
Torbov, V.I.
Emission bands of phosphorus and calculation of band structure of rare earth phosphides. 374652
Torchinskaya, N.D.
Dose-effect dependence on the quantity of microorganisms and their radioresistance. 352015
Torchinskaya, T.V.
Some specific features of spectra of Auger excitation of photoluminescence and photocurrent in CdS compensated crystals. 368768
Study on the nature of recombination centers responsible for the luminescence band in the range of 0.95 μm in CdS < Li > crystals. 371633
Tore, E.
Management by regulatory inspection authorities of experience gained from safety related occurrences in nuclear power plants. (INIS-mf – 3972) 380109
Torgerson, R.
The rho⁻→πsup(-)γ decay rate and vector meson dominance. 356395
Torgeson, D.R.
^{93}Nb Knight shift and quadrupole coupling parameters in the orthorhombic β phase hydride and deuteride of niobium. 358879
Torgov, V.G.
On synergetic effects in extraction of uranyl salts by the mixtures of di-2-ethylhexylphosphoric acid with tributylphosphate and di-n-octylsulfoxide. 354410
X-ray electron study of character of electron density distribution in oxygen containing extractants. 351617
Torikai, A.
Energy transfer and radical formation in the system poly(methyl methacrylate)-2-methyltetrahydrofuran. 373098
Torio, P.P.
Description of a method of control for glass lenses used as a protection medium against radiation. 355019
Toriyama, K.
Effect of irradiation temperatures on hydrogen atom reactions in neopentane and its mixtures irradiated at 4.2 and 77°K as studied by electron spin resonance. 357153
Torizuka, K.
Investigation of intrarenal blood flow and urine flow aspects by scintillation camera. 360375
Torkhov, V.A.
Time local intensity variations in the Cassiopeia-A radiosource spectrum. 369024
Torlin, B.Z.
Calculation of a polycell in the 2- and 3-group diffusion approximation. (ITEF – 22(1975)) 361223
Numerical calculation of fuel burn-up in a reactor. (ITEF – 19) 350104
Torma, A.E.
Influence of uranium extractants on pyrite oxidation ability of Thiobacillus ferrooxidans. 365370
Tormo Ferrero, M.J.
Alpha spectrometry of thick sources. II. Application to the study of radioactive equilibria in uranium ores. (JEN – 393) 367017
Radiation chemical dosimetry by means of nitrate-nitrite. (JEN – 394) 367176
Torn, K.
The search for black holes. 372291
Tornielli, G.
Analysing power measurements in the ^{3}He(n,n) reaction. 359475
Tornisielo, V.L.
Influence of gamma dose rate on longevity of Laemophloeus ferrugineus (STEPH.). (CENA-BC – 040) 354799
Influence of oxygen, nitrogen and carbonic gas during gamma irradiation of 'Sitophilus zeamais' Mots. and 'Zabrotes subfasciatus' (Boh.). (CENA-BC – 041) 365483
Tornow, W.
Discrepancies between global nucleon-nucleon phase shifts and new data for n-p scattering at 16.9 MeV. 367009
Multiple scattering effects in fast neutron polarization experiments using high-pressure helium-xenon gas scintillators as analyzers. 363595
Toro, M. di
A direct determination of the density matrix in a nuclear system. 372585
Toropin, A.N.
Measurement of $\pi^-p \rightarrow \pi^0 n$ at large momentum transfer. 372503
Observation of a meson $X \rightarrow 2\gamma$, with mass 2.85 GeV/c², produced in the charge-exchange reaction $\pi^-p \rightarrow Xn$ at 40 Gev/c. 377780
Study of the reaction $K^-p \rightarrow$ anti K^0n at momenta of 25 and 40 GeV/c. 356482
Toropov, D.K.
Switching effect in B-Nb_2O_5 monocrystals. 348794
Toropov, Yu.P.
Radiation action of mechanoelectrons. 369794
Toropova, M.A.
On the possibility of producing tritium labelled phenyl-substituted onium derivatives of halogens by means of ion-molecular reactions. 354407
Preparation of tritiated phenyl-substituted onium derivatives of antimony, tellurium and iodine by means of ion-molecular reactions. 365029
Toropova, V.F.
Polarographic study of some metal complexes with 8-mercaptoquinoline in dimethylformamide. 365003
Polarography of metal complexes with 8-mercaptochinoline in N,N-dimethil formamide. 357072
Solvent effect on polarographic behaviour of metal lates with 8-mercaptochinoline. 357071
Use of diethyldithiophosphoric acid for extraction-polarographic determination of some metals. 375232
Toroptseva, N.T.
Effect of halide salts on potassium peroxoborate decomposition. 349238
Torosyan, O.S.
EPR and spin-lattice relaxation of Mo^{3+} ions in corundum and garnets. (INIS-mf – 3955) 377285
Torpudzhiyan, M.K.
Interaction of components in quaternary mutual system of chlorides and sulfates of lithium, sodium and cesium. 362143
Torr, M.R.
Satellite measurements of ionic concentrations applied to low altitude incoherent scatter interpretations. 362621
Torre, J.P.
A portable He^3 cryostat for space applications. 360607
Torres, J.M.
Automatic motion inhibit system for a nuclear power generating

system. (US patent document 4,046,625 'A') 368066
Torti, R.P.
A tritium gas target as an intense source of 14 MeV neutrons. 355176
Tortora, J.O.
Two body rapidity correlations in π-p interactions at 147 GeV/c. 372539
Torven, S.
Current limitation by an electric double layer in ion laser discharges. (TRITA-EPP – 77-26) 374864
Torzo, G.
Behavior of the ^{4}He viscosity near the superfluid transition. 372322
Tosello, C.
High spin levels in ^{58}Fe: ground-state and quasi-γ bands. 372723
Recent studies of high-spin states in the fp-shell nuclei. 356693
Toshima, Nobuyuki
Collision processes of highly excited hydrogen atom. 2. 377133
Tosi, M.P.
Charge fluctuation spectra at very long wave-length in ionic fluids. 364018
Functional-derivative study of the Hubbard model. I. Perturbation method and first-order approximation. 367285
Tosser, A.J.
Analytical approximate equations for the resistivity and its temperature coefficient in thin polycrystalline metallic films. 353493
Tosunjan, L.A.
Towards a better understanding of ^{16}O nuclear structure: muon capture and radiative pion capture reactions. 361974
Toth, B.
Radiobiological investigations of cosmic HZE-particles with visual track detectors in the biostock experiment. 362699
Toth, G.P.
Using nuclear plant operating data to improve product reliability 370916
Toth, K.S.
Levels in ^{164}Yb from ^{164}Lu decay. 351373
Nuclear data sheets for A = 214. 359533
Nuclear data sheets for A = 218. 359534
Nuclear data sheets for A = 222. 359535
Nuclear Data sheets for A = 226. 351422
Toth, L.M.
The hydrogen reduction of uranium tetrafluoride in molten fluoride solutions. 357096
Toth, P.
Is the sun a pulsar. 356331
Totskij, Yu.I.
On nature of high-energy peaks in the cross-sections of neutron collisions with ^{12}C nuclei collisions of neutrons. 354093
Totsuji, H.
Space and time evolution of two nonlinearly coupled variables. (IPPJ – 273) 353604
Totsuka, Y.
Evidence for the F meson. 353947
Measurements of tau decay modes and a precise determination of the mass. 372505
On the origin of inclusive electron events in e^+e^- annihilation between 3.6 and 5.2 GeV. 353772
On the semileptonic decay of charmed hadrons. 356496
Touborg, P.
Crystal fields in dilute alloys of rare earths in Sc, Y, and Lu studied by neutron scattering. 359976
Crystal fields in Sc, Y, and the heavy-rare-earth metals Tb, Dy, Ho, Er, Tm, and Lu. 359995
Touboul, M.C.
The reaction antiproton-proton →3πsup(-)πsup(+) between 1.09 and 1.44 GeV/c and the effect of ππ phase shifts. 369372
Touchard, A.M.
A study of πsup(+), πsup(-) and proton production in pp interactions at 69 GeV/c. 361867
Touchard, J.
Signs of the particle-hole matrix elements and existence of giant resonances. (ISN – 77-20) 359444
Tough, G.S.
Yield and decay of the hydrated electron in proton tracks. 357140
Touitou, D.
Computerized tomography in infants. (AED-Conf – 77-395-008) 379204
Toulemonde, M.
High spin states in the mirror nuclei ^{15}O and ^{15}N. 356811
Spin and g-factor of the 40keV level in ^{45}Ti. (CRN-PN – 77-2) 354269
Toulmin, P. III
X-ray fluorescence geochemical analysis on the surface of Mars. ch. 4. 374306
Tournier, R.
Nuclear-induced resistivity drop in the Kondo alloy Au-^{171}Yb. 354518
Tourwe, H.
Quality control of plutonium oxide fuel elements by neutron radiography. 376440
Touryan, K.J.
Isotope enrichment by aerodynamic means: a review and some theoretical considerations. 379363
Tousey, R.
Solar EUV emission line profiles of Si II and Si III and their center to limb variations. 372227
Toussaint, N.
Comparison of various analytical techniques for homogeneity test of candidate standard reference materials. 372865
Tousset, J.
Backscattering analysis of the thermal diffusion of gold layers into amorphous semiconductor thin films. 367101
Touya, E.
Scintigraphy of the cerebrospinal fluid. 354967
Touya, J.J.
Patterns of bone-marrow scintigraphy. 354968
Techniques for measuring regional and total-body bone mineral mass to bone function ratios. 354955
Tovee, D.N.
Determination of the branching fractions for kaons minus-meson absorption at rest in carbon nuclei. 362109
Tovey, K.C.
Labelled nucleotides in biochemistry. 351615
Tovki, I.G.
Application of electronic multiplie CO-I for determination of main component in copper-I and baryte ores and products of their enrichment. 354639
Tovmas'yan, I.K.
Thermodynamic and thermographic investigations into mutual systems of chlorides and iodides of alkali metals in melts. (INIS-mf – 4193) 375589
Tovmassian, H.M.
On the nature of NGC 520. 377658
Tovmasyan, D.A.
Bistilbenes as mixers for plastic scintillator luminescence spectra. 361021
Tovstyuk, K.D.
Double inversion of the Hall coefficient in p-type Pbsub(1-x)Snsub(x)Te solid solution. 358884
Ferroelectric phase transition in Pbsub(1-x)Snsub(x)Te. 377311
Formation of p-n junctions at the surface and in the volume of Pbsub(0.82)Snsub(0.18)Te monocrystals. 358883
Some specific features of a band spectrum of Pbsub(0.82)Snsub(0.18)Te narrow-gaped solid solution. 374744
Tow, D.E.
Diagnosis of acute myocardial infarction in patients undergoing open heart surgery: a comparison of serial myocardial imaging with cardiac enzymes, electrocardiography, and vectocardiography. 357646
Tow, D.M.
Real and imaginary parts of hadronic amplitudes, diffractive contribution, and the Chew-Rosenzweig Pomeron. (ORO – 3992-314) 366833
Solutions of simple dual bootstrap models satisfying Lee – Veneziano relation and the smallness of cut discontinuities. (ORO – 3992-315) 372385
Towner, H.H.
Optimization of plasma profiles for ignited low-beta toroidal plasmas utilizing advanced fuels. (EPRI-ER – 536-SR) 371904
Towner, I.S.
Charge-dependence in superallowed beta decay: a comment. 372680
Magnetic moments of N = 50 isotones and proton core polarization. 372761
Townes, C.H.
Isotopic abundances in interstellar clouds. 356332
Spatial heterodyne interferometry of VY Canis Majoris, alpha Orionis, alpha Scorpii, and R Leonis at 11 microns. (N – 77-27049) 377655
Townley, C.H.A.
Assessment of integrity of structures containing cracks. (IAEA – 189) 359996
The effect of defects on structural failure: A two-criteria approach. (IAEA – 189) 360801
Simplified methods of analysis. (IWGFR – 11) 355480
A unified approach to elastic-plastic fracture mechanics. (IAEA – 189) 359966
Townsend, P.K.
Superconformal unified field theory. 371392
Unified field theories with U(N) internal symmetries: gauging the superconformal group. 355758
Toya, Mihoko
Decays of baryon resonances in a new hadron scheme. 353911
Toyama, H.
Current density profile of noncircular tokamak. (INIS-mf – 3963) 372062
Toyoda, Fumihiko
Unnatural parity mesons in the dual unitarization scheme. 366871
Toyoda, Koichi
Ion generation by laser and its application to metal vapor laser. 377134
Ion source by laser plasma. 377135
Ion sources utilizing TEA-CO_2 laser irradiation. 358844
Toyokawa, Shunji
Standard water capsule and instrumentation for NSRR experiments. (JAERI-M – 7105) 368258
Toyota, M.
Nuclear power generation in Japan. 360884
Safety aspects and operating experience of LWR plants in Japan 370871
Toyoumi, Keiji
Atomic power plant. 368263
Tozer, B.
Lasers aid remote corrosion monitoring. 375730
Traber, A.
Determining the spectroscopic factors of the 1psub(1/2) neutrons in ^{13}C 378001
Estimation of nuclear effects in heavy-ion elastic scattering. 362027

Traccucci, R.
What is done in France with respect to the design, manufacture, management and development of nuclear fuel. 365880
Tracy, D.H.
Photoabsorption structure in lanthanides: 5p subshell spectra of Sm I, Eu I, Dy I, Ho I, Er I, Tm I, and Yb I. 355926
Traeber, F.
Magnetic-dipole hyperfine structure in 4d- and 5d-shell atoms. 358716
Traenckner, H.J.
UV-hardening polyfunctional acrylic acid ester of high dark storage stability. (German (F.R.) patent document 2430081/A/) 375710
Tragl, K.H.
Preparation of ^{131}J-labelled diphenylhydantoin and its organ distribution in rats. (SGAE – 2701) 354393
Preparation of diphenylhydantoin labelled with ^{131}I and its organ distribution in rats. (SGAE – 2642) 373009
Trainer, M.
Inelastic collisions of metastable He* on He at impact energies between 1000 and 1400eV. 358787
Inelastic collisions of metastable helium on helium at impact energies between 1000 and 5000 eV. 361380
Traini, M.
Magnetic moments and the Skyrme interaction. 372637
M1 strength distribution in nuclei. 362003
Skyrme's interaction and corrections to gryomagnetic factors. 364804
A variational approach to magnetic moments. 362004
Trainor, J.H.
Cosmic ray investigation for the Voyager missions; energetic particle studies in the outer heliosphere – and beyond. 374970
Observations of galactic cosmic ray energy spectra between 1 and 9 AU. (N – 77-19986) 361716
Observations of galactic cosmic-ray energy spectra between 1 and 9 AU. 359129
Trainor, L.
Calculations of mass diffusion in HeII. 377697
Trainor, T.
Ambiguities in the determination of quadrupole strength from (p vector, γ_0). (RLO/1388 – 362) 372590
Excitation function of the analyzing power in the reaction ^{58}Ni(p,p')^{58}Ni(2$^+$, 1.45 MeV). (RLO/1388 – 362) 372713
Trainor, T.A.
Analyzing power in the ^{207}Pb(p vector,p_0)^{207}Pb reaction near the ^{3}P/sub 1/2/ isobaric analog resonance. (RLO/1388 – 362) 372699
Analyzing powers for the continuum portions of particle emission spectra. (RLO/1388 – 362) 372710
Comparison of Sona and spin-filter polarization schemes for a Lamb-shift polarized ion source. 363360
E1 and E2 strength in ^{15}N(p vector, γ_0)^{16}O. (RLO/1388 – 362) 372692
Radiative proton capture by carbon-12. (RLO/1388 – 362) 372721
Trajdos, M.
Four-body model-interactions in nuclei. 354122
Trajkovicj, M.
Professional exposure to ionizing radiation some hematological cytomorfological and immunological tests. 370661
Trajmar, S.
Cross sections for electron impact excitation of the electronic states of N_2. 353212, 376985
Elctron impact excitation of the electronic states of N_2. I. Differential cross sections at incident energies from 10 to 50 eV. 358720
Electron impact excitation cross sections for Kr at 15, 30, 50 and 100eV. 358835
Electron impact excitation of the electronic states of N_2. II. Integral cross sections at incident energies from 10 to 50 eV. 358721, 358728
Experimental and theoretical study of electron impact excitation of Cu. 358845
Trakhtenberg, L.I.
On possible mechanism of photoradiation effect. 359802
On the mechanism of the effect of simultaneous irradiation by ionizing radiation and light non-absorbable by substance. 357176
Trakru, J.P.N.
Direct spectrophotometric estimation of cadmium. 375349
Tran Minh Duc
Color in "tungsten trioxide" thin films. 360013
Tran Minh, N.
Scattering of charged particles by OH at thermal energies in HI regions. 353375
The semi-analytical JWKB phase shift in elastic scattering. 368712
Tran, D.T.
Low-cost rf-structure for electron and proton linac. 363361
Tran, M.
High-LET particle dosimetry in the ASTP-Biostack III: Zea mays experiment. 360250
Tran, M.Q.
Experimental study of the propagation of ion acoustic solitons in a warm multi-ion plasma. 359033, 377558
Tran, M.T.
Measurement of the differential cross section for $\pi^-p \rightarrow \pi^0n$ around the $\Delta(1232)$ resonance and test of the charge independence principle. 362072
Tranter, F.W.
An instrument for routine measurements with X-ray therapy equipment operating between 10 and 250 kV. 376657
Trap-Jensen, J.
Chole-scintigraphy with sup(99m)Tc-diethylacetanilido-iminodiacetate. (INIS-mf – 4010) 370488
Trapezina, T.I.
Orientation ordering in molecular hydrogen. 1. Transition temperature and symmetry change. 348851
Trapeznikov, A.A.
Rheological properties of melts of polyheterosiloxanes containing boron, zinc and cobalt. 354330
Trapeznikov, V.N.
Study on stability of breakdown voltage in gas-discharger for pulse voltage generators. 352426
Trapp, T.J.
Epithermal 1/V self-shielding using the Nordheim Integral Treatment. 359355
Evaluation of temperature coefficients of reactivity for ^{233}U – thorium fueled HTGR lattices. Final report. (EPRI-NP – 222) 352697
Trasatti, L.
Description and performance of MEA, the magnetic detector at ADONE. 379480
Trasi, M.S.
A simplified model for the dynamics analysis of the Tarapur BWR. 376486
Trassy, C.
Study of excitation transfers in a high frequency inductively coupled plasma between the plasma generating gas and the injected elements. 353591
Tratz, H.
Feed water pre-heater with two steam spaces. 352481
Feedwater preheater with two steam chambers. (German (F.R.) patent document 2458471/C/) 350148
Feedwater preheater with two steam spaces. (German (F.R.) patent document 2458437/C/) 350136, 350149
Traube, K.
Safety design of SNR-300. (CONF-761001 – P1) 363030
Traupel, W.
Principles of heat utilization on nuclear power stations. 368032
Trautmann, D.
Charged-particle transfer reactions into the continuum: the line-shape of (d,n) and (^{3}He,d) spectra. 375159
Coulomb ionization of the K shell by heavy ion collisions. 377095
Effects of the polarizability in elastic scattering below the Coulomb barrier. 354044
Estimation of nuclear effects in heavy-ion elastic scattering. 362027
Scattering of protons from argon and hydrogen at 1 MeV. 366965
Vacuum polarization potential for two extended charge distributions. 375134
Trautmann, N.
Collective states fed by weak α-transitions in the ^{232}U chain. 356814
Direct identification of $^{103-107}$Mo by a rapid chemical separation procedure. 369765
A gas-jet recoil-transport system for fission products and its application to a continuous chemical separation procedure in the gas phase. 367152
Precise energies of gamma rays from the ^{230}Th and ^{228}Th decay. 362079
Trautmann, W.
Evidence for negative deflection angles in ^{40}Ar + Ag deep-inelastic reactions from γ-ray circular polarization measurements. 367010
Trautner, N.
Alpha transfer reaction between oxygen isotopes. (WIS-PH – 77/42) 364786
Alpha-transfer reactions between oxygen isotopes. 372769
Attempt to measure the relative phase of the (1dsub(5/2))^2 and the (2ssub(1/2))^2 amplitudes in the ground state of ^{18}O. (WIS-PH – 77/27) 364787
Nuclear reactions induced by the bombardment of ^{18}O with ^{18}O. 356798, 366987
One and two neutron transfer reactions between ^{17}O and ^{18}O. (WIS-PH – 77/37) 364695
Trautwein, A.
Non-magnetizable cast steel for components of the toroidal magnetic field of the JET project. 369994
Production of high-pressure nuclear components from austenitic-ferritic cast steel. 369961
Trautwein, R.
Direct observation of misfit dislocations in growing epitaxy layers. 366421
Travaqlini, N.
Fission and corrosion product activities studied in Italy. (IWGFR – 7) 360992
Travelho, J.S.
Pressure on the solar corona. 363850
Traverse, A.
Realization and testing of a biparametric γ-γ coincidence unit; application: measurement of precise γ transition intensities. 379951
Travesi, A.
Nondestructive neutron activation analysis of Bulgarian soils. 364901
Travkin, V.I.
Investigation of the detecting properties of a counter filled with solid argon. 350301
Travkin, V.V.
Aluminium contents effect on the tendency of titanium to salt corrosion. 378551
Traxler, A.M.
Incorporation of radioactive wastes into heat-hardened resins. 358467

Treacy, P.B.
Diffraction in heavy-particle channeling as a probe for correlated lattice vibrations. (ANU-P - 684) 361478, 368891
Treado, P.A.
Application of the three-body model to the reactions $^6Li(^3He,t\ ^3He)^3He$ and $^6Li(^3He,^3He^3He)^3H$. 351288
Treasure, M.W.
The Durham extensive air shower array. I. 366033
Treat, N.L.
Economic and environmental implications of a U.S. nuclear moratorium, 1985 - 2010. (ORAU/IEA - 76-4) 352305
Treat, R.P.
Dynamics of a particle attracted by a magnetized wire. 350523
Trebeljahr, S.
Investigation of the electrochemical determination of uranium and neptunium. 372911
Trede, M.
Scintigraphic diagnosis of a primary liver cell carcinoma using a new radiopharmaceutical. 376184
Treder, H.-J.
On gravitational shock waves. 353163
Treder, H.J.
Bottlinger's and Majorana's absorption of gravitational forces and the tidal forces. 355846
On self gravitation. 366307
Planck's radiation law, scalar photons, and the Hubble effect. 374971
Trefftz, E.
Handy formulae for the relativistic interactions between electrons in Breit-Pauli approximation. 374605
Multiconfiguration Hartree-Fock calculations for ions of the boron isoelectronic sequence. 348666
Trefikov, V.I.
On formation of protective barrier layer during high temperature oxidation of Cr-0,5La alloy. 349305
Trefil, J.S.
Dependence of large-momentum-transfer inclusive reactions. 351157
Trefilov, V.I.
Carbon effect on the structure and low-temperature plasticity of arc melted molybdenum ingots. 349443
Changes in the structure and mechanical properties of the two-phase alloy VKh4 in the process of plastic deformation. 365158
Content of interstitial elements on the surface of molybdenum sheet stratifications. 359904
Plastic deformation effect on the structure and fracture character of molybdenum. 378749
Thermally activated plastic deformation in dispersion-hardened molybdenum alloys. 378598
Tregear, G.W.
Radioimmunoassay for proparathyroid hormone. 357640
Tregilgas, J.H.
Influence of electron drag on dislocation motion in superconducting niobium. 351818
Magnetic field dependence of the flow stress in niobium. 362470
Treglio, J.
Migma IV high energy fusion apparatus. 363220
Treglio, J.R.
Conditions for a boron fusion reactor in the MeV range. 348968
Design considerations for a migma advanced fuel fusion reactor. 363240
Trego, L.A.
Fast flux test facility major component testing experience and plant construction experience. 379841
Tregub, I.G.
EPR of Mn^{2+} in semiconductor crystals of the $A^2B^4C_2^5$ type. 348760
Tregubov, I.A.
Study on Re-Ta-Mo phase diagram. 375902
Tregubov, V.B.
Experience of operation of channels with uniflow generation of steam in the first APS reactor. 350238
Treherne, J.W.
The construction of Hunterston 'B' AGR. 352698
Trehon, O.P.
Rectal damage following radiotherapy in cases of carcinoma cervix and correlation of rectal damage with rectal dose. 349761
Treille, D.
Impact parameter analysis of the reaction $\pi^-p \rightarrow p\pi^+\pi^-\pi^-$ at 9 and 12 GeV/c with very fast secondary proton. 356510
Treiman, S.B.
Rare muon decays, heavy leptons, and CP violation. 351199
Treleani, D.
Bounds for $\pi\pi$ scattering lengths. 364551
Trelin, Yu.S.
Application of ultrasonic impedance method for investigating coolant properties. (INIS-mf - 3914) 349578
Treliving, N.R.
Fuel handling equipment on Hinkley Point 'B' and Hunterston 'B' AGRs. 352681
Tremaine, P.R.
Corrosion product stability in high temperature aqueous systems - deuterium isotope effects. 362311
Trenogina, T.L.
Electron microscopy study of thermomechnical deformation conditions effect on the structure of two-phase ($\alpha+\beta$) titanium alloys. 349548
Trentadue, L.
Inclusive distributions for reggeon theory on a transverse lattice. 372461
Trentin, J.J.
Bone marrow transplantation immunology. 370372
Treshchalov, V.I.
Radiation-vulcanized rubber mixture. (Soviet patent document 461934/A/) 378529
Treshchev, V.M.
On measurement of hall mobility of free electrons in indium antimonide on the basis of radioelectric effect. 371630
Trester, P.W.
Material criteria and selection for VHTR heat exchangers. 360926
Tret'yachenko, G.N.
Study of corrosion effect on the durability of gas turbine blades. 369813
Tret'yak, V.A.
Thyristor modulator for an arc ion source of a cyclotron. 376377
Tret'yakov, E.F.
Measurements of β spectra of tritium undertaken for more precise definition of the upper limit for the antineutrino rest mass. 378071
Tret'yakov, N.I.
On mechanism of formaldehyde formation at radiolysis deaerated aqueous solutions of methanol. 375720
Tret'yakov, S.Ya.
Adsorption of zirconium from nitric acid solutions on hydrated tin dioxide. 357124
Tret'yakov, Yu.D.
Boundary conditions or existance for oxo- and sulfospinels. 359629
Tret'yakova, M.I.
Comparison of experimental distributions of rapidity intervals in inelastic π^-p interactions at 60 GeV with the multiperipheral cluster model. 369341
Tret'yakova, S.P.
Synthesis of heavy isotopes of Ku in bombardment of Cm by 0 ions. 349134
The use of argon ions for production of nuclear filters. 374778
Tretiakoff, O.
Safety test facilities. Needs and concepts. A French evaluation. (CONF-761001 - P1) 363031
Tretyakov, E.T.
Measurement of the ^3H spectrum aiming to improve the upper limit for the antineutrino rest mass. 353998
Tretyakov, Y.P.
Anisotropy and angular distribution of quasimolecular K X-radiation emitted in Ge+Ge collisions. 355871
Tretyakova, M.I.
A study of inelastic pion-nucleus interactions at 200 GeV/c in an emulsion. 356481
Tretyakova, S.P.
Experiments to produce isotopes of superheavy elements with atomic numbers 114-116 in ^{48}Ca ion reactions. 372801
Treu, W.
Spin assignments for $^{16}O+^{12}C$ resonances at low energies. 378072
Treuil, M.
Trace element geochemistry of magmatic rock series of converging and diverging plate boundaries. 375375
Trace elements archeochemistry in different sigillated potteries, using neutron activation analysis. 372880
Trace elements determination in rocks powder. 372877
Treumann, R.
High frequency electromagnetic cyclotron instability in hot plasma. 377559
Treusch, J.
Advances in solid state physics. Vol. 17. 364121, 364126, 365140
Treutler, H.Ch.
The possibilities of autoradiographic imaging of the distribution of beta-emitting substances in dynamic processes by means of a gamma scintillation camera. 354889
Treventi, P.A.
One-Third-Scale Air - Water Pump Program, alternate analytical pump performance data. (EPRI-NP - 385(Vol.1)) 379308
Treves, A.
Correlation between hardness and pulsation in galactic X-ray sources. 359122
Treves, S.
Radionuclide angiography with iridium-191m (Tsub(1/2) = 4.9s). An improved osmium-191→iridium-191m generator. 354852
Trevillion, E.A.
Sodium - vanadium - oxygen system at low oxygen potentials. (CONF-760503 - P2) 352757
Trevisan, U.
Analysis of the $\omega\pi^-$ system produced in the reaction $\pi^-p \rightarrow \pi^-\pi^-\pi^+\pi^0p$ at 11.2 GeV/c. 353965
Trevor, D.J.
Photoionization of dimeric polyatomic molecules: Proton affinities of H_2O and HF. 366239
Trevor, E.
Imaging sites of airway obstruction and measuring function response to bronchodilator therapy in asthma. (UCLA - 12-1124) 365465
Treyvaud, A.
Magnetic susceptibility of $TRMo_6S_8$. 377692
Nuclear magnetic resonance study of La_1X compounds and related phases. 368765
Tria, J.J.
Kinetics of radical decay. IV. Polycrystalline p-azoxyanisole. 359813
Kinetics of radical decay. V. Single crystal n-alkoxyazoxybenzenes. 359814
Radiolytic production and thermal decay kinetics of free radicals in n-alkoxyazoxybenzenes. 378547

Triandafilidi, I.I.
Effect of plasticity deformation on solid alloys strength. 349573
Triantis, F.A.
Strange particle production in three- and four-body final states of 16 GeV/c π^+p reactions. 353944
Tribble, R.E.
Mass measurements of the proton-rich nuclei ^{50}Fe and ^{54}Ni . 364827
Trice, V.G. Jr.
ERDA's long-term waste management goals and programs. 358464
Trickett, B.A.
Optimisation of distributed ion pumps for the Daresbury Synchrotron radiation source (SRS). 370764
Vacuum systems for the Daresbury Synchrotron radiation source. 370775
Tricot, R.
Usage properties of special steels for presurrized water reactors: influence of composition and of manufacturing parameters. 355411
Triebes, K.
Relativistic electron-beam-focusing experiments employing axial loads. 366544
Trier, R.M.
Plutonium and cesium radionuclides in the Hudson River estuary. Annual technical progress report, December 1, 1976 – November 30, 1977. (COO – 2529-3) 357520
Trifonenko, G.L.
Experience in application of the operative interpretation PG-2 system in the Eastern Ukraine. 349615
Trifonov, D.A.
Note on the time evolution of minimum uncertainty states. 371443
Trifonov, Eh.N.
Action of ionizing electromagnetic radiation on DNA in solution and on white blood cells. 354750
Trifonov, K.I.
Some physicochemical properties of molten mixtures of thorium tetrachloride with alkali metal chlorides. (INIS-mf – 4193) 378462
Triftshaeuser, W.
Measurement of the depolarization rate of positive muons in copper and aluminium. 358874
Trifunac, A.D.
Chemically induced dynamic electron polarization: examples of S-T/sub +1/ polarization. (CONF-7705101 – 1) 373099
Trikalinos, H.G.
Calculations of the cross-section and the probability of the inner atomic shell ionization by heavy charged particles in terms of binary collision model. (INIS-mf – 3996) 363904
Trikha, S.K.
Effect of absorption discontinuity on neutron spectra of water assemblies poisoned with non-1/V absorbers. 364605
Trilling, G.H.
D meson production and decay in e^+e^- annihilation at 4.03 and 4.41 GeV c.m. energy. 353989
K^0 production in e^+e^- annihilation. 353983
A search for neutral heavy leptons. 356514
Spin analysis of charmed mesons produced in e^+e^- annihilation. 351228
Trimble, V.
Ejection of planetary nebulae by helium shell flashes and the planetary distance scale. 374972
Trines, D.
The new electron-positron storage ring facility PETRA. 355214
Trinh, C.T.
On the nuclear mass parameter in asymmetric fission. 362028
Trinkler, Eh.I.
Detektors of ionizing radiation on the bases of cadmium telluride. (INIS-mf – 3994) 379851
Trinks, U.
A magnetic storage ring for neutrons. 379504
Trinkunas, G.P.
On the electron-atom scattering amplitude relation derived from normalization of wave function. (INIS-mf – 3915) 348715
On the normalization of total wave function of the system of an atom and a colliding electron. 368682
Triolo, R.
Simple electrolytes in the mean spherical approximation. III. A workable model for aqueous solutions. 369713
Tripard, G.E.
Etch induction time in cellulose nitrate: a new particle identification parameter. 368318
Status report: direct track detector dosimetry in fast neutron beams. 367828
Status report: direct track detector dosimetry in negative pion beams. 368301
Tripathi
Low energy neutron inelastic scattering. (BNL-NCS – 22500) 356834
Tripathi, A.
Determination of skin dose to the hands of technologists handling syringes containing radiopharmaceuticals. 355052
Tripathi, B.M.
Rotational temperature of CO molecule in facula models. 348990
Tripathi, R.P.
Direction of EFG principal axis in certain Biotite and phlogopite micas by Moessbauer technique. 366398
Tripathi, S.N.
Role of protein malnutrition and malabsorption experimental hypothyroidism. 367645
Tripathi, T.C.
Influence of copper impurity on the superconducting transition temperature of the bulk Nb_3Sn alloy. 366810
Tripathi, V.K.
Filamentation of a laser beam in a collisional plasma. 350960
Unified formalism of lower hybrid parametric instabilities in plasmas. 350959
Upper-hybrid-resonance absorption of laser radiation in a magnetized plasma. 350857
Tripier, J.
Calibration of two plastic detectors and application on study of heavy cosmic rays. 368329
Tripler, D.J.
Dosimetry measurements external to a 10 kiloliter liquid-air vessel containing a D-T neutron source. (UCRL – 52334) 379387
Tripp, D.A.
Solar EUV emission line profiles of Si II and Si III and their center to limb variations. 372227
Tripp, L.E.
Regulatory viewpoint on nuclear fuel quality assurance. 376875
Trippe, G.
Reactor technology. (KFK – 1277/2) 371061
Trippe, T.
A search for neutral heavy leptons. 356514
Trippe, T.G.
Electron-muon and electron-hadron production in e^+e^- collisions. 366879
Trischuk, J.
201-GeV/c proton-proton elastic scattering at large momentum transfer. 366888
Tristram, G.
Channel cross sections of K^-p reactions from 1.934 to 2.516GeV/c. (LPC – 77-01) 369354
Tritella, P.
Quantum calculations of the rotational excitation of H_2 by proton impact at low energies. 350616
Tritton, S.B.
A new sculptor-type dwarf elliptical galaxy in Carina. 348986
Trivedi, B.M.P.
New approach to nucleocosmochronology. 359176
Trivedi, J.R.
The Dhajala meteorite shower: atmospheric fragmentation and ablation based on cosmic ray track studies. 350977
Trivedi, N.B.
Increase in γ-ray flux at balloon altitude during magnetic disturbances. (INIS-mf – 4115) 365328
Trnka, J.
Method of phosphate glass production. (Czechoslovak patent document 156843/B/) 371079
Trnovec, T.
Behaviour of ^{3}H-VUL 111 in rat organism. 373669
Incorporation of ^{14}C-leucin in proteins of the rabbit autonomous nervous system and the effect thereon of pharmaceuticals. 373654
Labelling of Candida albicans and its behaviour in the organism. 373696
Trobaugh, G.B.
Critical analysis of the potential clinical use of ^{201}Tl in chronic coronary artery disease (CAD). (INIS-mf – 4010) 362816
Myocardial imaging with ^{201}Tl at rest and during exercise. Comparison with coronary arteriography and resting and stress electrocardiography. 352124
Troccon, G.
French studies on blow-down accident in light water reactors. 370601
Trochon, J.
Study on gamma spectra of prefission in the ^{239} Pu (n,γf) reaction induced by resonance neutrons. (INIS-mf – 3896) 356905
Trocki, L.K.
Radiological survey and decontamination of the former main technical area (TA-1) at Los Alamos, New Mexico. (LA – 6887) 378821
Troepol'skaya, T.V.
Preparation and physicochemical characteristics of nickel(2)- and copper(2) complexes with N-salicylideneaminopyridinium iodide. 378418
Trofimchuk, E.I.
Radiation effect on thermal and electric conductivity of reactor graphite. (IAE – 2702) 349598
Trofimchuk, N.N.
Particle detection by the controllable secondary electron emission method. (EFI – 178(24)-(76)) 350313
Trofimenko, G.L.
Computer processing of geological-geophysical information on the gas-bearing series of the Sourth-East Dnieper-Donetsk hollow. 378827
On the possibility of improving the informativity of radiometric data in complex interpretation. 367389
Trofimov, A.M.
Release of volatile fission products from atomic power stations and fuel reprocessing facilities to the atmosphere and the outlook for their recovery. 367194
Trofimov, A.P.
Experimental investigation of digital algorithms for direct control of neutron flux on the IRT-2000 reactor. 376461
Trofimov, A.S.
Pulsed analog-to-digital converter in the CAMAC standard. 361086
Trofimov, T.K.
Dynamical transformations of cylindrical magnetic domains during translation motion. 363963
Trofimov, V.A.
Four-electrode streamer chamber. (JINR-R – 13-10380) 358398

Trofimov, V.F.
Gas interaction with metal under ultraviolet irradiation. 357283
Trofimov, V.I.
On kinetics of radical reactions in gamma-irradiated clathrate hydrates. 362250
Trofimov, V.T.
Study of increasing the fatigue resistance of steels and welded joints using ultrasonic method on samples with neck or thread type notches. (INIS-mf – 3914) 349438
Trogno, Andre
Extracted-beam-detection system around synchrotron saturne. (CEA-R – 4857) 355166
Troia, S.O.
On the formvar vibrational spectrum by electron tunneling. 363972
Troitskij, N.A.
Action of ionizing radiation on conjugation of E. coli K-12 (HfrxF⁻). Comm. 1. Mathematical simulation. 352023
Radiation damage to the tissueequivalent medium caused by elastic collisions upon irradiation with 0.2 to 100 keV protons and 1 to 1000 keV neutrons. 365356
Troitskij, O.A.
Isotopic enrichment of cadmium in zone Melting and pulse electrotransfer. 362362
Metal isotope enrichment during zone melting. 375800
Troitskij, V.E.
Electromagnetic formfactors and electrodisintegration of deuteron. 349113
Troitskij, V.N.
Some properties of high-dispersed SiO_2, GeO_2, NoO_3 producted by plasmochemical method. 369610
Troitskij, V.P.
Determination of metal workability under deformation. 369866
Trojczuk, D.
Biological ionizing radiation effects on gonads. Pt. 6. Maturation of the seminiferous epithelium in mice after irradiation during foetal development. 376109
Biological ionizing radiation effects on gonads. Pt. 8. The survival of oocytes in mice irradiated during foetal development. 379037
Trokhachev, G.V.
Pulse power supplies based on induction storages. (INIS-mf – 3954) 361545
Trombka, J.I.
Calculation of radioactivity induced in scintillator materials during spaceflight. 377603
Portable low-dose x-ray imaging system. 379999
Tromborg, B.
Baryon decays and SU(3) breaking. 366846
Tromp, R.H.
What is the position of atoms in a Ni(110) surface, which is either clean or which has absorbed oxygen or sulphur atoms. (INIS-mf – 4267) 377309
Tromp, Th.J.
Inspection requirements and concepts for LMFBR heat exchangers and pump. A manufacturers view. (IWGFR – 10) 363494
Radiographic and ultrasonic inspection of an austenitic pump barrel. (IWGFR – 10) 363509
Ultrasonic testing, state of the art and possible developments. (IWGFR – 10) 363416
Vibration-acceleration measurements on prototype steam generators. (IWGFR – 10) 363531
Tron', A.S.
Effect of cyclic heats on the structure of bimetals. 370063
Tronc, M.
Investigation of the energy and vibrational structure of the inner shell $(1s)^{-1}(\pi 2p)^{1}\Pi$ state of the nitrogen molecule by electron impact with high resolution. 371501
On the resonant electron impact excitation of CO_2 in the 4 eV region. 376984
On the resonant electron impact excitation of CO_2 in the 4eV region. 353208
Tronov, G.N.
Radioactivation method for determination of small amounts of carbon in fluorophosphate glasses. 378093
Tronova, I.N.
Method for separation of terbium and europium. (Soviet patent document 443579/A/) 373022
Preparation of carrier-free terbium-155. 370670
Trontelj, M.
The influence of VC additions on the sintering of Ta-carbonitride based hard metals. (KFK-EXT – 6/77-1) 351835
Troost, W.
Thermal effects of an accelerating observer. 361319
Troper, A.
Ferromagnetic instabilities in disorder metallic systems. 364067
Ferromagnetic instabilities in transition disorder metallic systems. 364068
Static magnetic response of pure coupling metallical systems. 363984
Troshev, T.M.
Hydrogen streamer chamber with localizing admixtures. (JINR-R – 13-9713) 368303
Localization of charged particle tracks in a self-shunting helium streamer chamber. 379868
New improvement in track localization in self-shunted helium streamer chamber. 355527
Trosheva, N.I.
Hydrogen streamer chamber with localizing admixtures. (JINR-R – 13-9713) 368303
Troshin, A.B.
Criticality of actinoid elements. 350121
Troshkin, I.A.
High-current generator of nanosecond pulses of electrons and bremsstrahlung. 370746
Trost, W.
A new measurement of the weak magnetism term in the betaspectra of ^{12}B and ^{12}N. 356797
Trostin, I.S.
Observation of muon pairs in neutrino interactions at Serpukhov 70 GeV accelerator. 361870
Use of lavsan thin film in optical spark chambers. 379964
Trotsan , A.I.
Rational thermal conditions of sheet 08kp steel treatment. 357207
Trottet, G.
The Mark II Nancay radioheliograph. 372129
Trotty, K.D.
Method of treating non-supporting underground formations. (German (F.R.) patent document 2425312/C/) 373394
Troughton, M.E.C.
A method for measuring the nuclear transformation rate of ^{109}Cd. 357879
Trousil, J.
Application of track detectors in the national personnel neutron dosimetry service. 379352
Detector of short-lived radon daughters. 379952
Development of a personal neutron dosemeter based on a track detector. 371133
Dose equivalent measurement of intermediate and fast neutrons and energy dependence calibration by moderated Cf fission spectrum. 379386
Trout, E.D.
Isodose curves in a phantom due to diagnostic quality x-radiation. 365644
Troxell, D.E.
Development of seismic design criteria for category I cofferdams. 373794
Troyan, Yu.A.
Topological cross sections of np-interactions in the monochromatic neutron pulse range from 1 to 5 GeV/c. (JINR – 1-8565) 356475
Troyanker, L.S.
Leaching of sodium carbonate cakes by nitric acid. (INIS-mf – 4187) 375590
Study of rare earth minerals sintering by soda ash. 357044
Troyanov, A.K.
Determination of limesonte quality by x-ray radiometric method using "BRA-6" apparatus. 349156
Troyanov, E.F.
Injection for the IHEP booster using I-100 linac. (IFVE-PKU – 76-37) 376370
Troyanov, M.F.
The BN-350 reactor: development, design and operating experience. 365990
Physical characteristics of fast power reactor fuel and their effect upon the fuel cycle. 368196
Physical characteristics of spent LMFBR fuel. (IAEA-AG – 63-13) 363486
Troyanov, S.I.
Zirconium dibromide. Features of its synthesis and crystal structure. 378339
Troyanovskij, V.Eh.
Specific features of weld formation in arc welding of titanium using electromagnetic stirring. 369876
Troyanskij, A.A.
Certain peculiarities of the carbon behaviour in preeutectic steel following electroslag remelting. 357318
Troyon, F.
Application of ideal MHD stability code Erato to high beta tokamak equilibria. (INIS-mf – 3963) 371819
Coupling of slow and fast waves to plasmas near the lower hybrid frequency. (PPL – 1366) 356083
Limitation of the toroidal current of a Tokamak discharge in the MHD approximation. 377346
Numerical MHD stability calculations of a D-shaped elongated, small aspect ratio tokamak. (INIS-mf – 3963) 371749
Numerical study of the effect of current peaking on the MHD stability of a small aspect ratio tokamak. (INIS-mf – 3963) 371748
Stability of the axisymmetric modes of a Tokamak discharge. 377345
Stabilization of a Tokamak discharge by an external conducting screen. 377349
Trozenko, W.P.
Measuring instrument to measure the velocity of ultrasonics while passing materials to be tested. (German (F.R.) patent document 2346920/B/) 376703
Trubakov, Yu.P.
Averaged characteristics of an air turbulent flow in the entrance region of a circular tube. (FEI – 599) 349981
Hydrodynamics of the turbulent flow of a liquid in the entrance region of a circular tube. (FEI – 650) 349975
Hydrodynamics of turbulent liquid flow in the entrance region of circular tubes. (FEI – 598) 352371
Trubey, D.K.
Computer codes and data available from the Radiation Shielding Information Center. 361949
Development of radiation shielding standards in USA. 363047
Radiation protection and shielding standards. (CONF-770401 – 25) 357834
RSIC after 14 years – where do we go from here. 370635
RSIC after 14 years: where do we go from here. (CONF-770401 – 27) 351261

Trubina, M.P.
Mastering of fabrication technology of titanium thin-walled sections. 351712
Trubitsin, V.A.
Hall effect in rhenium single crystals at low temperatures and under hydrostatic pressure. 369976
Trubitsyn, V.P.
Evaluation of rings influence on the Saturn gravitational field. 369034
Trubkin, Yu.A.
On primary cosmic radiation from analysis of muon spectrum on the sea level. 361745
Trubnikov, B.A.
Electromagnetic analogies in a collision integral for plasma in a magnetic trap. 348969
Magnetic hydrodynamics of a collisionless plasma. 369013
Particle acceleration on breaking of the constrictions of a Z-pinch and in the plasma focus. 368997
Trubnikov, S.V.
Electromagnetic formfactors and electrodisintegration of deuteron. 349113
Trubnikov, V.P.
Investigation of the buildup kinetics of molecular nitrogen, N_2 and nitrogen monoxide N_2O in the $2NO_2$ reversible $2NO+O_2$ system depending on pressure. 365221
On methods for the operational chemical control of the nitrogen tetroxide coolant. 349172
Physical and technical aspects of nuclear and chemical safety of nuclear power stations with N_2O_4 gas-cooled fast reactors. 371042
Truc, A.
'Parodie', a large homogeneous stationary plasma. 359034
True, W.W.
^{6}Li(n,d)^{5}He and ^{7}Li(n,d)^{6}He with 56.3 MeV neutrons. 351337
Truelle, M.A.
^{226}Ra content in select food produce in the South Bohemian Region. 349831
Trueman, T.L.
Bound states of charmed baryons and antibaryons. 359245
Estimates of production cross sections and distributions for W bosons and hadronic jets in high-energy pp and p anti p collisions. 372472
Truemper, J.
Reflection of X-rays by neutron star surfaces. 369148
Truempy, K.
1 MV accelerator structure for cluster injector. 363238
Truesdell, D.B.
Preliminary study of the uranium potential of the Triassic – Jurassic Basin in Connecticut and Massachusetts. (GJBX – 68(77)) 365299
Trufanov, A.M.
Measurement of prompt neutron spectrum in spontaneous fission of ^{252}Cf. (INIS-mf – 3896) 356810
Nanosecond ion pulse production at the FEI EGP-10M charge-exchange electrostatic accelerator. (FEI – 680) 376365
Neutron spectra of ^{252}Cf spontaneous fission in the energy range from 0,5 to 7 MeV. (FEI – 575) 349143
Truffert, J.
Irradiation enhanced creep in LMFBR fuel element cladding. 360093
Truhlar, D.G.
Direct calculation of the equilibrium value of the energy of activation for dissociation of H_3 by Ar and evidence for the important contribution of collisional dissociation from low vibrational quantum numbers and high rotational quantum numbers at shock tube temperatures. 378419
Legendre moment method for calculating differential scattering cross sections from classical trajectories with Monte Carlo initial conditions. 350688
Monte Carlo trajectories: Alignment of HBr rotational angular momentum as a function of scattering angle for the reaction $H+Br_2 \rightarrow HBr+Br$. 350578
Truitt, R.L.
Graft-versus-leukemia, donor selection for adoptive immunotherapy in mice. 370320
Trujillo, A.A.
Considerations in the evaluation of the human element of a safeguards system. (SAND – 77-1083C) 374509
Trujillo, D.M.
Finite element nonlinear heat transfer analysis using a stable explicit method. 355124
Trukhachev, A.V.
High temperature thermomechanical treatment of carburized steel. (INIS-mf – 4046) 369875
Trukhacheva, V.A.
On the possibility of ruthenium determination by inverse voltametry method. 359706
Trukhanov, G.Ya.
Nuclear data for the calculation of neutron-induced secondary gamma-ray spectrum in soil. (INIS-mf – 4043) 362565
On the nonstationary gamma transport theory in the small-angle scattering approximation. 377845
Trukhtanov, V.A.
Supertransferred hyperfine interaction in magnetic insulators. II. 356026
Trumbore, C.N.
Evidence for spur overlap in the pulse radiolysis of water. 359775
Trump, J.G.
Experience at Deer Island with electron disinfection of sludge at high flow rates. (INIS-mf – 4220) 379416
Trumper, I.
sup(99m)Tc-RBC – A simple in vitro labelling procedure for vascular space imaging, varicose vein diagnosis and follow-up. (INIS-mf – 4010) 373633
Trumper, J.
Improvement of the shelf-life of kit preparations for labelling with Tc-99m by lyophilization. (IA – 1338) 375666
Technetium-99m-pyridoxylideneglutamate in jaundiced patients. 354947
Trumpler, D.A.
Breeding performance optimization of helium-bonded carbide fuel in 1500-MW(e) LMFBRs. 352764
Trumpp, H.J.
Sources of loss processes in phonon generation and detection experiments with superconducting tunneling junctions. 374779
Trung, T.V.
A method of calculating the density matrix for a system of interacting bosons in coherent-state basis. 371444
Trunin, I.I.
Investigation into durability and thermal fatigue of the 12Kh1MF steel. 362472
Trunin, V.F.
On development of heat resisting composite material matrices operating at a temperature of 1100 deg C. 357330
Structure and properties of fiber composite material-heat resisting nickel base alloy reinforced with tungsten fibers. 359987
Trunk, M.
Enhancement of neutron yield from Focus devices. (INIS-mf – 3963) 371787
The plasma focus current in the compression phase. 366610
Trunov, N.N.
On the interpretation of the photon energy dependence of the work function in β-rhombohedral. 374675
Trunov, V.K.
Binary tungstates of potassium and rare earths. 351571
Double molybdates and tungstates of indium and scandium with alkali metals. 359712
Double molybdates of potassium and rare earths. 359696
On the investigation of UO_2-MoO_3-WO_3 system. 359738
X-ray study of double sulfates of rare earths with potassium, $5K_2SO_4xLn_2(SO_4)_3$. 375591
Truong, T.B.
Electron traps in irradiated alkaline glasses at 77 K studied by stimulated luminescence. 351658
On the existence of H^- in γ-irradiated matrices at 77 K. 362249
Truong, T.N.
Muskhelishvili-Omnes integral equation with inelastic unitarity: Single- and coupled-channel equations. 359307
Study of the rho'(1600) using bound on even G-parity e^+e^- hadronic cross section. 361783
Truong, T.T.
The relativistic quantum fields of the D=2 Ising model. 376940
Truran, J.W.
Neutron-capture nucleosynthesis in the helium-burning cores of massive stars. 364362
S-process nucleosynthesis in thermally pulsing stars. 359177
Truscott, T.G.
Laser flash photolysis of rhodopsin at room temperature. 365344
Trushevskij, A.A.
Equation of state of a relativistic interacting nucleon-antinucleon system. 375023
Structures and properties of branching points for exchanges of two different nonlinear reggeons. (ITF – 76-111 – R) 375024
Trushevsky, A.A.
Statistical approach and duality. 353095
Trushin, V.B.
On a extended n-point tube. 348628
Trusov, G.N.
Anodic behaviour of niobium-nickel and tantalum-nickel alloys in acidic solutions. 369714
Trussell, H.J.
Image restorations constrained by a multiply exposed picture. (LA-UR – 77-1790) 360740
Scan – playback corrections. 366058
Two-dimensional maximum entropy image restoration. (LA – 6897-MS) 350487
Trussoni, E.
Relativistic parametric instabilities in extended extragalactic radio sources. 374904
Truttmann, P.
Search for the metastable 2s state in muonic hydrogen. 361331
Trykov, L.A.
Experimental study on neutron field properties in a linear section of a sodium pipeline. (FEI – 596) 355255
Trykov, Yu.P.
Low temperature effect on the working capacity of titanium steel explosion welded joints. 351772
Trykova, V.I.
Analysis of spectra of inelastic scattered neutrons with initial energy of 9,1 MeV in framework of the exciton model. (INIS-mf – 3897) 356573
Angular and energy distributions of inelastic scattered neutrons with initial energy of 9.1 MeV. (INIS-mf – 3897) 356712
Inelastic scattering of neutrons with initial energy of 9.1 MeV and the parameter of spin dependence. (INIS-mf – 3897) 356574
Tryuchler, K.
High-voltage supply system for a streamer chamber on a pulsed transformer. 371102
Trzhaskovskaya, M.B.
Combination of the methods of x-ray chemical shift and

Moessbauer effect for investigation of the electron valence structure of nontransition elements. 368847
On calculations of internal conversion coefficients of gamma rays for light elements. 359376
Tsai, C.-M.
Atmospheric dispersion estimates of the gaseous radionuclides from Taiwan research reactor. 370537
Tsai, C.C.
Development and testing of the ORNL/PLT neutral beam lines for the Princeton Large Torus. (CONF-771029 - 108) 371801
DuoPIGatron ion sources for PLT injectors. (CONF-771029 - 63) 372064
Effect of emission aperture shape upon ion optics. 350859
Impurity studies experiment/ORMAK-upgrade neutral beam systems. 377547
Methods for independent plasma production and beam injection for $H^+ \rightarrow H^-$ surface conversion. (CONF-770940 - 6) 372063
New ORNL neutral beam transport system. (CONF-771029 - 147) 377546
Performance of 4.2 K cryopumps in neutral beam injectors. 377534
Production of low energy positive ions suitable for double electron capture systems. (CONF-770940 - 11) 372088
Tsai, C.M.
Perspective of radioactive waste management in the Republic of China. 361112
Tsai, F.-N.
Kinetic parameters of isotopic exchange reaction in finite bath. 359616
Tsai, Fuan-Nan
Determination of kinetic parameters of heterogeneous isotopic exchange reaction. 359617
Tsai, H.L.
The reaction $^{27}Al(P, \alpha_0)^{24}Mg$ from Esub(p) = 1.120 - 3.080 MeV. 366982
Tsai, N.C.
Soil-structure interaction for transient loads due to safety relief valve discharges. 374169
Tsai, S.S.
Effect of humidity on the burning rate of sodium droplets. 352300
Post-accident fuel relocation and heat removal in the LMFBR. (BNL-NUREG - 50603) 365568
Tsai, W.
Pair creation by photon-photon scattering in a strong magnetic field. 359301
Tsai, Y.J.
Two-dimensional coastal storm surge model. 362885
Tsakadze, Dzh.S.
Investigation of properties of a rotating He^3-He^4 solution by the vibrating disc technique. 356373
Tsakadze, S.D.
On oscillations of a vortex system in rotating HeII. 349053
Tsal', M.O.
The influence of the impurities upon the optical and electrical properties of the cesium bromide single crystals depending on the obtaining conditions. 377154
Tsallis, C.
Diagonalization methods for the general bilinear Hamiltonian of an assembly of bosons. (CBPF - A0021/77) 363854
Influence of long range forces in isotropic two-dimensional magnetism. (CBPF - A0020/77) 364137
Ultrasonic attenuation in ferroelectric or ferrodistortive phase transitions. (INIS-mf - 4127) 364138
Tsan Ung Chan
'Like-backbending' effect in the ^{66}Zn nucleus. (ISN - 77-21) 369471
Core-plus-particle coupling description of the ^{63}Zn high-spin levels. (ISN - 77-41) 359466
High spin levels in ^{50}V observed in the $^{48}Ti(\alpha,pn\gamma)$ reaction. (ISN - 77-39) 359483
High spin states in ^{62}Cu. (ISN - 77-24) 359536
High spin states in $_{23}{}^{50}V_{27}$. (ISN - 77-22) 369480
High spin states of ^{62}Cu. 372822
Positive parity high spin states in ^{63}Cu. (ISN - 77-23) 369512
Tsang, C.
Proximity forces. 359381
Tsang, K.T.
Collisional effects on trapped electron instabilities. 372065
Improved eigenvalue equations for the collisionless drift instability in tokamaks. (CONF-771136 - 4) 371781
Neoclassical transport in an elliptic tokamak. 350961
Trapped electron instability in tokamaks: analytic solutions of the two-dimensional eigenvalue problem. (ORNL/TM - 5970) 372066
Turbulence theory for the dissipative trapped electron instability. (ORNL/TM - 5942) 350962
Tsang, M.L.-S.
Studies of sulfate utilization by algae, 17. 354969
Tsang, T.W.E.
Low temperature heat capacity of scandium and alloys of scandium. (IS-T - 780) 378747
Magnetic ordering in Ce - La and Nd - La alloys. (IS-M - 116) 373254
Scandium puzzle: what are its intrinsic properties. (IS-M - 99) 351753
Tsao, C.H.
Comparison of methods for calculating cross sections at high energies in astrophysics. 372665
Cross sections for (p, xn) reactions, and astrophysical applications. 372664
Tsao, H.
U(1) x SU(4)/sub L/ x SU(4)/sub R/-based weak-electromagnetic synthesis with manifest left-right symmetry. 366823
Tsao, H.S.
Failure of the U(12) algebra in QCD. (COO - 2220-96) 363838
Scalar quantum chromodynamics in two dimensions and parton model. (COO - 2220-106) 363839
Tsapelkin, E.S.
Computer code to calculate a two-group three-dimensional diffusion problem by the Galerkin method. (IAE - 2600) 374537
Galerkin method for solving diffusion equations. (IAE - 2473) 358040
Iterative method for the Galerkin systems. (IAE - 2572) 358613
Quasi-linear relaxation of a fast ion beam in a tokomak. 368556
Tsaplin, V.S.
Comparison of results of simultaneous observation of flare of solar cosmic rays in September 1971 on two satellites. 374961
Tsapuk, A.K.
Thermal and radiation destruction of polysiloxane layers produced by the electron-ray method. 375717
Tsarenko, A.F.
Basic problems of fast-reactor fuel recovery. 367193
Tsaritsyna, L.G.
Separation of uranium and fission products by means of liquid extraction membrane. 378479
Tsarovskaya, S.L.
Stability of titanium alloys under conditions of intensive ultrasonic cavitation. (INIS-mf - 3914) 349371
Tsaryuk, V.I.
Electron-vibration interaction and luminescence spectra of europium compounds. (INIS-mf - 3955) 365014
Spectra of luminescence of europium ultraphosphates. (INIS-mf - 3955) 378328
Use of luminescent probe for investigation into europium compounds with dicarboxylic acids. 349306
Use of luminescent probe for studying rare earth compounds with monocarboxylic acids and ortho-phenanthroline. 369715
Tscehansky, A.
Activity measurements of a radioactive source by a self coincidence method. (INIS-mf - 4052) 376658
Tschalaer, Ch.
Search for the metastable 2s state in muonic hydrogen. 361331
Tschech, G.
In vitro determined thyroid hormones and TSH levels in patients with an autonomous thyroid. (INIS-mf - 4010) 370509
Tscheepe, G.
12 years experience of operating high efficiency filters at the European Institute for transuranium elements at Karlsruhe. 360682
Tschoeke, H.
Experimental determination of local temperature field variations due to spacer grids in the cladding tubes of a rod cluster flowed through by sodium. 371040
Tse, A.N.
Measurement of radiation exposure received by flight attendants from shipments of radioactive material. Technical report. (PB - 259940) 363052
Tse, J.W.
Clearance and elimination of ^{125}I-Rose Bengal in the sub-totally nephrectomized chronically uremic rat. 352078
Tsebro, V.I.
Critical currents in ternary molybdenum chalcogenides. 377676
Specific heat capacity of ternary molybdenum sulfides. I. Lattice and electron contributions to the specific heat capacity of superconducting Mo_5SnS_6 at 2 - 25 K. 367311
Tsejtelin, V.G.
Optimization of measurement conditions and parameters of apparatrus for pulse neutron logging. 365291
Tsejtlin, G.M.
Changes in the optical properties of silicon nitride,-oxynitride and oxide films following ion irradiation. 370160
Tsejtlin, M.N.
Crystallization of TeO_2. 378374
Tselik, E.I.
Extraction luminescent determination of europium with 1-naphthalic acid and 1,10-phenanthroline. 375315
Extraction-luminescent determination of microquantities of europium as different-ligand complexes with 1-naphthionic acid and 1,10-phenanthroline. (INIS-mf - 4192) 375316
Study of ionic associates of rare earths with benzilic acid and rhodamine. (INIS-mf - 4191) 375592
Tselikova, S.V.
On different protection of DNA against various types of radiation injuries. 378965
Tselinskij, Yu.K.
Glycerin-acid complexes of titanium and zirconium in solutions. 359707
Tseng, C.L.
Spurious thermoluminescence of calcium sulfate due to ambient atmosphere during irradiation. 370165
Tseng, C.M.
Thermodynamic properties, gradients and functions for saturated steam and water. (AECL - 5910) 362219
Tseng, W.S.
Soil-structure interaction for transient loads due to safety relief valve discharges. 374169
Tsenova, M.
^{14}C glycolic acid formation in isolated chloroplasts depending on $H^{14}CO_3^-$ concentration and ferricyanide presence. 367478
Tsepakin, S.G.
State of and prospects for the application of neutron generators in national economy. (INIS-mf - 4194) 376363

Tseplyaev, L.I.
Associates model and concentrational decoloration of induced colour in ruby. (KFTI – 74-47) 355955
Tserkovnitskaya, I.A.
Amperometric determination of vanadium(3) and vanadium(4) in glasses. 356944
Determination of Mo(3) in the presence of Mo(5) in alkali metal chloride melts. 349189
Electrophoretic behaviour of ions on paper impregnated by di-2-ethylhexylphosphoric acid. 369558
On interaction of vanadium of different oxidation degree with benzohydroxamic acid. 362125
Tserruya, I.
Charge dependence of double K-vacancy states in collisions of Ssup(n+) (n=5,8,10,12,13,14) on Ar at 1 MeV/amu. 377115
The contribution of one- and two-step process to non characteristic radiation in solid target. (INIS-mf – 3996) 364110
Experimental determination of the production mechanism for noncharacteristic radiation in swift heavy-ion collisions. 374636
A fast, bidimensional, position-sensitive detection system for heavy ions. 379866
Impact-parameter dependence of K-shell vacancy sharing in heavy-ion collisions. 350678, 366366
K-shell ionization cross sections in nearly symmetric collisions by S and Cl impact. 374638
K-shell ionization probability in energetic nearly symmetric heavy-ion collisions. (WIS-Ph – 77/20) 366378
Total fusion cross sections for ^{18} ^{17} ^{16}O + ^{27}Al at energies near the Coulomb barrier. 366972
Total fusion cross sections for ^{18}, ^{17}, ^{16}O+^{27}Al at energies near the Coulomb barrier. (WIS-Ph – 77/19) 366932
Tserruyua, I.
A fast, bidimensional, position-sensitive detection system for heavy ions. (WIS-PH – 77/34) 366007
Tseryuta, Yu.S.
Method for molybdenum extraction. (Soviet patent document 456792/A/) 375398, 375618, 375619
Tsetlin, M.B.
Observation of superconducting transition temperature oscillations in metal – nonmetal film systems. 351780
Tsetskhkhadze, T.V.
Investiagtion into nuclear-chemical processes on gas-solid boundary. 373037
Tsetskhladze
Method for fabrication of neutron activation detectors. (Soviet patent document 308659/A/) 368270
Tsiang, E.
Scale-covariant theory of gravitation and astrophysical applications. 371351
Tsikarishvili, Eh.G.
On the theory of parametric excitation of Langmuir oscillations in relativistic electron plasma. (INIS-mf – 3255) 350963
Tsiksajkin, V.M.
Prompt neutron spectrum in thermal fission of ^{235}U in the energy range from 10 keV to 1 MeV. (INIS-mf – 3896) 356816
Tsikunov, A.G.
Physical characteristics of fast power reactor fuel and their effect upon the fuel cycle. 368196
Physical characteristics of spent LMFBR fuel. (IAEA-AG – 63-13) 363486
Tsilimigras, T.
Study of the planarity in K$^-$p reactions at 8.25 GeV/c. 369379
Tsintsadse, N.L.
On the theory of parametric excitation of Langmuir oscillations in relativistic electron plasma. (INIS-mf – 3255) 350963
Tsintsadze, G.A.
Change of basis state of some rare earth ions in crystallohydrates at high pressures. (INIS-mf – 3955) 378427
Tsintsadze, G.V.
Oscillation spectra of zinc, cadmium and copper complexes with nicotinhydrazide. 369716
Tsintsadze, N.L.
Investigation of the interaction of low-frequency electric fields with the ion sound oscillations in confined weakly ionized plasma. (INIS-mf – 3255) 350803
On oscillations of plasma placed in a storng alternating electric field. (INIS-mf – 3255) 350964
On the theory of electrosound waves in a plasma. 368998
Tsipinyuk, B.A.
Some aspects of the secondary ion emission from metals. (INIS-mf – 3996) 363937
Tsipivka, Yu.I.
Some specific features of a surface-screw plasma instability in semiconductors. 350879
Tsirel'nikov, V.I.
Zirconium dibromide. Features of its synthesis and crystal structure. 378339
Tsirkunova, I.Eh.
Determination of impurity elements in initial MgO, MnO and CuO-ferrite materials by activation analysis. (INIS-mf – 4188) 375342
Study of volatility of toxic elements from samples on the basis of phenol-formaldehyde resin. (INIS-mf – 3994) 378105
Tsirlin, M.S.
Investigation of Nb_2 – TiO_2 – ZrO_2 quasi-ternary system. 365211
Oxidation of silicide coatings on niobium and its alloys VH-2 and VH-3. 351680
Tsirlin, Yu.A.
Light collection in scintillation counters. 361061
Tsirlina, E.A.
Mass-spectrometric investigation into equilibria due to ion participation. 358902
Tsirul'nikov, V.A.
Effect of radial ultrasonic oscillations on hot and cold rolling of pipes and sheets. (INIS-mf – 3914) 349417
Tsitovich, A.P.
Time-of-flight neutron-correlation spectrometers and their electronics. 358395
Tsitovich, I.K.
On theoretical basis of ion exchange sorption of trace amounts of vanadium, molybdenum and boron from extraction ortho-phosphoric acid and liquid phosphoric fertilizers. 349307
Tsitovskaya, I.L.
On the nature of active centres of propylene disproportionation catalysts. 372945
Tsitrina, A.Yu.
Cd^2, Cu^2, Pb^2 compounds with cinnamic acid. 375550
Tsitsin, F.A.
A generalization of the Fesenkov-Parenago method for the determination of the flattening of the galaxy. 353714
Tsivadze, A.Yu.
Coordination compounds of nitrates and sulfates of some metals with isonicotinic acid hydrazide. 375524
Oscillation spectra of zinc, cadmium and copper complexes with nicotinhydrazide. 369716
Tsivinskij, S.V.
The shape of melt column during crystal growth from under the flux layer. 378254
Tskhaj, V.A.
Migration of metallic impurities in Silica gel under reactor irradiation action. 373343
Solubility of hydrogen in zirconium oxycarbides, oxynitrides and oxycarbonitrides. 364982
Tskhakaya, D.D.
Investigation of the interaction of low-frequency electric fields with the ion sound oscillations in confined weakly ionized plasma. (INIS-mf – 3255) 350803
On oscillations of plasma placed in a storng alternating electric field. (INIS-mf – 3255) 350964
On the theory of electrosound waves in a plasma. 368998
Tso, F.K.W.
Stress analysis of cylindrical pressure vessels with closely spaced nozzles by the finite-element method. Volume 1. Stress analysis of vessels with two closely spaced nozzles under internal pressure. (ORNL/NUREG – 18/V1) 370896
Tso, T.C.
Preparation and some chemical properties of protactinium metal. 365119
Tso, T.T.
Charm and strange particle production in neutrino interactions. 353950
Dilepton production by neutrinos in neon. 351210
Quasi-elastic neutrino scattering and the axial vector form factor. 353951
Tsoj, A.A.
Positron annihilation in an electron-irradiated silicon crystal. 374659
Tsomaya, P.V.
Study on angular characteristics and multiplicity of secondary particles in cosmic hadron interactions with nuclei at mean energy 400 GeV. 361871
Tson, L.-Y.
High-resolution differential cross section of polarized, rotationally state-selected LiF on Ar. (INIS-mf – 3940) 348639
Tsong, I.S.T.
The excitation efficiency of atoms ejected during ion-beam sputtering. 368892
Tsong, T.T.
Direct observation of surface diffusion and atomic interactions on metal surfaces. 377213
Tsoupas, N.
In-flight mass separation of ^{205}Rn, ^{206}Rn and ^{207}Rn fusion recoils from the ^{197}Au(^{14}N, xn) reaction using an energy-mass spectrograph. 374386
Tsuboi, M.
Measurement of hydrogen exchange at the tryptophan residues of a protein by stopped-flow and ultraviolet spectroscopy. 378351
Tsuboi, T.
Doppler profile measurements of Balmer-α by electron impact on simple molecules. 358761
Tsubomoto, Toru
Neutron monitoring instrumentation for BWR nuclear power plant. 360855
Tsubosaka, A.
Radiation streaming of N.S. MUTSU and its repair plan. 368261
Tsubota, H.
The chromium photoneutron cross section. 356920
Tsubouchi, Kazutoshi
Measurement of life-time of inner-shell vacancy in recoiled Ge ions in solid Ge by heavy ion impact. 353471
Tsuboya, Takao
Application of nondestructive assay to the plutonium fuel fabrication facility. (PNCT – 831-76-01) 380138
Development of burnup measurements for fast reactor fuel, (4). (PNCT – 831-76-01) 379825
Tsuchiya, Hiroyuki
Performance test of the pretreatment unit for Kr-85 recovery system from off-gas in fuel reprocessing plant. (PNCT – 831-77-01) 380024

Tsuchiya, Y.
Positron annihilation and charge transfer in simple alloys. 374780
Tsuda, Koji
Method and apparatus for condensing radioactive rare gases by means of use of ejector and selective adsorption and desorption process including cycles. 350393
Tsuda, T.
Magnetic field-line reconnexion by localized enhancement. 368999
Tsuda, Takao
Reconnection of magnetic field lines by clouds-in-cells plasma model. 373450
Tsudzevich, B.A.
Acetylation of rat liver histones in case of radiation injury. 376113
Tsuei, C.C.
Ductile superconducting Cu-rich alloys containing A-15 filaments. 361762
Hybridization and bonding in transition metal compound superconductors: X-ray photoemission from crystalline and amorphous Nb_3Ge. 351795
Magnetic excitations in amorphous $Fe_{75}P_{15}C_{10}$. 359963
The ratio of energy gap to transition temperature in amorphous superconductors. 359997
Tsugawa, R.T.
Three-phase region of D_2-DT-T_2. (UCRL – 79036(Rev.1)) 360051
Tsuijimoto, M.
Thermal behavior or hydrated zirconia containing phosphate. 357387
Tsuji, H.
High-temperature high-quality deuterium plasma production by laser beams and interactions with magnetic fields. 377529
Tsuji, Kazuko
Two assimilation pathways of C_1-compound in Streptomyces sp. No.239 during growth on methanol. 354939
Tsuji, Teruo
An autopsy case of thorotrast induced hepatoma. 360317
Tsuji, Yoshio
Ion exchange membranes made by electron irradiation. 373977
Tsujii, Yukio
Characteristics of Tm-170 for industrial radiography. 367886
Tsujimoto, Hitomi
Safety and interlock system of Kyoto University Critical Assembly. (KURRI-TR – 150) 368254
Tsujimoto, T.
X-ray diffraction of modulated structures. 362471
Tsujimoto, Tadashi
Environmental radioactivity study group symposium. (KURRI-TR – 147) 379004, 379074, 379108
Fitting function for the thermal neutron distribution in water due to a ^{252}Cf source. 355086
In-place tests of exhaust equipment in nuclear facility. (KURRI-TR – 148) 350401
Multielement trace analysis of high purity aluminium by neutron activation. 359566
Report of the symposium on radioactivity measuring methods. (KURRI-TR – 138) 350304
Simplified water bath method for calibrating a ^{252}Cf source. 360576
Tsujimura, Tadakuni
Pion-nucleon interactions in low energy region. 353824
Tsujino, T.
Status of VHTR fuel research in Japan. 368180
Tsujino, Takeshi
In-line gas chromatograph for analysis of UF_6 and/or F_2. 354480
Tsukada, Koji
Model engineering for piping layout of boiling water reactor nuclear station. 374210
Tsukada, T.
Self-sputtering phenomena in high-rate coaxial cylindrical magnetron sputtering. II. 368893
Tsukahara, S.
Very fine particles of metal I. 351720
Tsukahara, Yoshiharu
Exfoliative cytology in study of radiosensitivity of uterine cervical cancer, (2). 379081
Histological classification of advanced uterine cervical cancer based on histogenesis and radiosensitivity. 373578
Tsukakoshi, O.
An experimental UHV apparatus to investigate interactions of low energy light ions with solid surfaces. 368978
Tsukanov, V.V.
Temper brittleness of complex-alloyed structural steels. 375873
Tsukerman, V.A.
High-current generator of nanosecond pulses of electrons and bremsstrahlung. 370746
Tsukihashi, Yoshihiro
^{239}Pu fission isomer in the reaction with 3-5 MeV neutrons. 359531
Tsukishima, T.
Correlation method for estimating wave-number spectrum moments of fluctuations. 366565
Measurements of dispersion relation of waves in a turbulently heated plasma by microwave scattering method. (IPPJ – 291) 366590
Observation of current driven ion sound wave in a turbulently heated plasma (the MACH II). 356078
Tsukiyama, Iwao
Double blind test of L-cysteine for protection against radiation-induced side effects in man. 367531
Tsukizoe, T.
Mass specrometer-controlled ion beam plating. 368861
Tsukuda, Ritsuko
Studies on the ecology of insects sterilized artificially (gamma radiation), 9. 349822
Tsumori, Kunihiko
Transmission of exoelectron through evaporated thin films. 358903
Tsunawaki, Yoshiaki
Self-diffusion coefficients of fluorine in molten LiF-BeF_2 mixture system. 359669
Self-diffusion of lithium in molten Li_2BeF_4. 367087
Tsunematsu, Hideaki
Synthesis of a ^{14}C-labelled fungicide, N-(3,5-dichlorophenyl)-1,2-dimethylcyclopropane-1,2-dicarboximide-(carbonyl-^{14}C) (Sumilex). 359765
Tsunemori, Fusako
Intestinal absorption of beta-alanine, anserine and carnosine in rats. 354934
Tsunemoto, Hiroshi
Clinical experiences with fast neutrons by NIRS medical cyclotron. 379073
Effect of x-irradiation on cell kinetics of esophageal membrane cells in mice. 367480
Tsuneoka, Kazuko
Increase of survival of x-irradiated mice by postirradiation injections of a splenic extract prepared from vaccine or endotoxin-treated syngenic animals. 349755
Tsunoda, Masami
The rapid heating test of zircaloy-2 tubes. (PNCT – 831-77-01) 379563
Tsunoda, Naomi
Development of nondestructive measurement of cold work rate, (1). (PNCT – 831-77-01) 379527
Tsupko-Sitnikov, V.M.
SIMP program system for gamma-spectra processing. (JINR-R – 10-9741) 380148
Two-parameter gamma-gamma coincidence analysis with the "useful" data selection on both parameters. 358439
Tsur, D.
Positron annihilation in a single VO_2 crystal. 348768
Tsurin, V.A.
Moessbauer studies of a hyperfine magnetic field in FePd alloys. 358904
Moessbauer study of carbon iron-manganese austenite. 373228
Tsurukin, J.P.
BN-350 reactor shielding studies. 368195
Tsurumi, Chikao
Spectrophotometric determination of a small amount of zirconium by 2-(2-thiazolylazo)-5-dimethylaminophenol with zephiramine. 354312
Tsurumi, I.
Near-infrared emissions in additively coloured or neutron-irradiated ZnS. 370193
Tsurumi, Makoto
Formation constants and structures of complexes between cadmium (II) and iodide ions in aqueous solution. 373002
Tsurumi, Seiji
Auxin transport and growth in intact roots of Vicia faba. 349867
Tsuruta, S.
Black hole model of quasar like objects-infrared optical emission. 374973
Tsurutani, B.T.
Two types of magnetospheric ELF chorus and their substorm dependences. 370312
Tsutsui, Masayasu
Radioactive isotope storage box and method of manufacture of the same. 350028
Tsutsui, Minoru
Excitation of ionic acoustic waves by non-linear Bernstein waves. 377480
Tsutsui, T.
Mock-up experiment and analysis for the primary shield of the N.S. MUTSU. 368262
Tsutsui, Tenson
Basic investigation of the distribution coefficients of radioactive nuclides to clay minerals. (KURRI-TR – 151) 367158
In-place tests of exhaust equipment in nuclear facility. (KURRI-TR – 148) 350401
Tsutsui, Tsuneo
Automatic mesh generation with QMESH program. (JAERI-M – 7078) 355693
Tsutsumi, K.
Research and development on removal of radioactive noble gases in Japan. 358503
Tsutsumi, Ken-ichi
Design of pretreatment unit for Kr-85 recovery system. (PNCT – 831-76-01) 380013
Determination of deuterium in metal by vacuum fusion-mass spectrometric method. (PNCT – 831-76-01) 378182
Fundamental Research on pretreatment process for Kr-85 recovery system. (PNCT – 831-76-01) 380015
Performance test of the pretreatment unit for Kr-85 recovery system. (PNCT – 831-76-01) 380014, 380024
X-rays fluorescence analysis of ATR fuel cladding tube. (PNCT – 831-76-01) 378132
Tsutsumi, Kiyoshi
Control rod assembly. 368217
Control rod for fast breeder. 360862
Fuel assembly. 379816
Tsutsumi, Masayori
Analysis of plutonium MUF. (PNCT – 831-76-01) 380139
Application of nondestructive assay to the plutonium fuel

fabrication facility. (PNCT – 831-76-01) 380138
Tsuya, Akira
Roentgenologic study on radius and ulna of a surgeon with skin carcinoma of the hand induced by occupational x-ray exposure. 360292
Tsuyama, H.
A stigmatic second-order, double-focusing mass spectrometer. 371181
Tsuzuki, Seiji
Separation of alpha-nuclides from HLLW, (1). (PNCT – 831-76-01) 378480
Tsuzuku, Takuro
Thermoelectric and thermomagnetic effects in slightly radiation-damaged graphite. 353449
Tsvetkov, E.A.
Spin-lattice relaxation of Yb^{3+} and Nd^{3+} ions in ZnS monocrystals. 374740, 377228
Tsvetkov, I.I.
State special standard for bremsstrahlung energy flux unit in the range of maximum photon energy 0.8-8.0 pJ (5-50 MeV). 376263
Tsvetkov, M.K.
New Hsub(α)-emission stars in the region of nebulae IC 5068-70 and NGC 7000. 374974
Tsvetkov, V.D.
Radiation stability of polymeric materials on polyamide 12 base. 362284
Tsvetkov, V.I.
Pulse voltage generator with 135 kJ energy storage for the "TONUS ZM" accelerator. 370772
Tsvetkov, V.P.
Radiative effects in the production and leptonic decay of psi-mesons of psi-meson. 369333
Tsvetov, V.V.
Geologo-technical efficiency of rising thermometry and radioisotopes in investigation of pumping wells in Tataria. 360169
Tsvigunov, A.N.
High-pressure phases in the $PbO-UO_2-O_2$ system. 351608
On the low-temperature oxydation of UO_2, U_3O_8 and U_3Osub(8-x) phase by nitrogen dioxide. 351627
On the nature of zeta-UO_3 phase (Cornman oxide). 354403
Tsvirko, M.P.
Translucence of complexes of phthalocyanine with rare earth ions under action of ruby laser. 357050
Tsyabuk, A.L.
Real amplitude resolution of photomultipliers with large cathodes. 376688
Study on the stability of the photomultiplier gain factor. 376689
Tsyashchenko, Yu.P.
Static and molecular anions dynamic interaction of doping molecular anions XO_4^{2-} (X=Cr, Se, Mo, W) with K_2SO_4 and Na_2SO_4 crystal lattices. 377300
Tsygan, A.I.
Cyg X-3-the binary system with active pulsar. 369220
Tsygan, B.G.
Selection of the optimal technological parameters for mechanized welding of high-nickel alloys and heavy gauge steels. 359872
Tsygankov, A.P.
Recovery of small intestine mucosa of rats in acute radiation sickness of the intestinal type. 349745
Tsygankov, M.M.
Multi-purpose differential discriminator. 363609
Multi-purpose linear discriminator. 363605
Tsygankov, V.A.
Device for spectrometry of powerful pulse X-radiation fluxes. (Soviet patent document 441491/A/) 354657
Tsygankova, L.E.
Corrosion of armco iron during cathodic polarization in strongly acidic chloride solutions. 367187
Tsyganok, A.A.
Resistive measurement of local void fraction. (FEI – 625) 350378
Tsyganok, L.P.
Chromatographic and polarographic investigation into arsenic molybdenotungstic heteropolycomplexes. (INIS-mf – 4188) 375583
Investigation into formation and reduction of phosphouranomolybdenum complex. 375667
Tsyganov, A.D.
Amorphization of quartz monocrystal irradiated by fast neutrons. 370134
Tsyganov, E.N.
Direct measurement of the π^- form factor. 372514
A measurement of the electromagnetic size of the pion from direct elastic pion scattering data at 50 GeV/c. 353922
Tsygir, O.D.
Effective cross sections of dissociation of $5p^5\ ^2P$sup(0)sub(1/2) metastable atoms in collisions with iodine molecules and oxygen atoms. (INIS-mf – 3915) 348723
Tsykanov, V.A.
Experimental RBT-6 reactor. 376597
Experimental reprocessing of irradiated uranium fuel from BOR-60 reactor by fluoride volatility method. (NIIAR-P – 18(284)) 373122
Experimental results with carbide fuel rods in the BOR-60 reactor. (KFK-tr – 536) 355481
The irradiation behaviour of carbide fuel elements in the BOR-60 breeder reactor. 376596
Tsylov, Yu.A.
On extraction of hafnium in the form of rhodanide from sulfuric-acid solutions. (INIS-mf – 4187) 375570
On the effect of heating and storage of zirconium sulfuric-acid solutions on tributyl phosphate extraction of zirconium rhodanide. 378396
Study of zirconium and hafnium extraction separation possibility using solutions with deficit of acid. 357238
Tsymbalenko, V.L.
Measurements of the yield strength for crystalline He^4. 377701
Tsypkin, G.I.
Device for low-temperature target irradiation with ions. 360663
Tsypkina, E.D.
Plastic deformation and fracture behaviour of high-strength steels under tensile stresses. 375836
Tsyplenkov, V.S.
Study on Ni and OKh16N15M3B steel radiation swelling under Ni ions bombardment at energy up to 300 keV. (INIS-mf – 3954) 362552
Tsytko, S.P.
Analysis of γ-ray angular correlations for nonzero spin target nuclei. (KFTI – 75-15) 361996
Angular distribution of gamma rays from the $^{31}P(p\gamma)^{32}S$ reaction. 375185
Electromagnetic transitions in light nuclei. (KFTI – 75-15) 361997
Fine structure of isobaric analog state in ^{23}Na. (KFTI – 75-15) 361999
Radiative capture of protons by ^{31}P nuclei. 359501
Tsytovich, V.N.
Bremsstrahlung by relativistic electrons in a plasma located in a strong magnetic field. 377326
Compton effect and pair production for relativistic particles in a plasma. 356128
On the influence of magnetic field on relativistic electron spectra in a plasma turbulent reactor. 377637
On the spectrum of electrons interacting with strong ion-sound turbulence. 374835
Spiral density waves as solitons in gaseous or stellar disks. 369124
Tuan, N.Q.
Radiolysis of hydrocarbons: chloroform in liquid hexane. 359815
Tuan, S.F.
Has a Higgs particle been seen. 372459
Tubis, M.
Research on new agents for the scintigraphy of the pancreas. (INIS-mf – 4010) 369766
Skeletal imaging in metabolic bone disease. 354942
Tubol'tsev, Yu.V.
Device for converting sensor number into a digital code. (Soviet patent document 433632/A/) 376722
Tubol'tseva, V.E.
Determining aluminium microquantities in alloyed steels. 356961
Tuboya, Takao
Improved mass analysis of boron isotopes in B_4C control rod for nuclear reactor. (PNCT – 831-77-01) 378181
Tucek, J.
Twenty years of the Joint Institute for Nuclear Research in Dubna. 368500
Tuchin, V.N.
Effect of collimator channel geometry on exposure dose. 355523
Tuchinskij, M.M.
Gamma rays emitted in the sup(90,92,94,96)Zr(nγ)sup(91,93,95,97)Zr reactions with thermal neutrons. 375158
Tuchiya, Masatoshi
Precipitation in maraging steels containing 10-18%Ni, 10%Co and 5%Mo. 367275
Tucholski, S.
The effect of radioactive iron ^{59}Fe on the embryogeny of sea-trout (Salmo trutta L.). 354834
Tuck, D.G.
Direct electrochemical synthesis of neutral and anionic chloro- and bromo-complexes of titanium, zirconium and hafnium. 362183
Tucker, B.A.
Inverse ac Josephson effect voltage standard. 367920
Tucker, J.H.
Mechanical safety interlock device for Philips PW 1360 x-ray diffraction tube shield to comply with the Health and Safety at Work act. 376221
Tucker, P.A.
SEM facility for examination of reactive and radioactive materials. 370727
Tucker, R.P.
Susceptibility of unirradiated recrystallized Zircaloy-4 tubing to stress corrosion cracking (LWBR Development Program). (WAPD-TM – 1313) 378553
Tucker, W.
Detection of X-ray emission from 3C 120. 351079
Tucker, W.K.
Pulsar – a flux compression stage for coal-fired power plants. 360610
Tuczek, H.
High-current plasma accelerator for the investigation of plasma wall interaction. 350899
Tudor, T.
Determination of aquifer interconnections by use of tritium in the Turt-Bai region. 379419
Tudron, T.N.
Quantum solitons in two dimensional field theories. 366308
Tue, K.A.
Determination of free thyroxine in serum by radioimmunoassay. 362778
Tuenge, R.T.
Structural investigation of $Pr_{10}O_{18}$ by single crystal x-ray diffraction and electron microscopy. 357384
Tuerk, W.
Verification of rod melting experiments by calculation. 370621

Tugusheva, G.A.
Behaviour of tungsten (6) on mercury dropping electrode in hydrochloric acid solutions. 357030
Polarographic determination of molybdenum, tungsten and titanium in joint presence. 378137
Tuin, G.J.M.
The effect of pressure on Yb on the intermediate valency state. (INIS-mf – 4267) 378685
Tuinen, R.J. van
Measuring mixed energy gamma radionuclides using a radionuclide calibrator. 352346
Tujchiev, A.V.
Comparative study on subunits of 7S globulin from cotton seeds. 349731
Tukish, E.I.
Energy of electron-photon and hadron components near extensive air shower axis on the altitude of 3330 m above sea-level. 362600
Tul'skij, G.V.
Behaviour of microimpurities of ruthenium, cesium and cerium during crystallization of uranium dioxide from UO_2-MoO_3-Na_2MoO_4 melt. 369767
Tulenkov, I.P.
State and prospects of using extraction and sorption in the production of zinc and cadmium. 367139
Tuley, C.R.
Augmented startup and cycle 1 physics program supplement 2. (WCAP – 8576(Suppl.2)) 363464
Tulinov, A.F.
Analysis of backscattering energy spectra and determination of energy loss of channelling particles. 371672
Measurement of ^{236}U and ^{239}U compound nuclei lifetime dependence on excitation energy. (INIS-mf – 3896) 356917
Simulation of the particle-atomic chain interactions: angular distributions and nuclear diffusion functions. (INIS-mf – 3995) 377206
The study of the orientation phenomena relevant to the problems of nuclear physics. (INIS-mf – 3995) 377301
Tull, J.E.
880 nanosecond particle in cell mover for the CDC 7600. (UCID – 17050) 366533
Tully, J.C.
Nonadiabatic processes in molecular collisions. 361398
Tully, R.B.
HI profile distances and the Hubble constant. 364321
Tulmann Neto, A.
Attempts to induce mutants resistant or tolerant to golden mosaic virus in dry beans (Phaseolus vulgaris). 373740
Tulupov, I.F.
Phase composition and structures of alloys of RCo_5 type with alloying elements. 349558
Tulyakov, G.A.
Investigation into durability and thermal fatigue of the 12Kh1MF steel. 362472
Tuma, L.A.
Tubular gage for a liquid-metal-cooled fast breeder reactor. (US patent document 4,028,811/A/) 374183
Tumaikin, G.M.
Radiative polarization: obtaining, control, using. 374058
Tumajkin, G.M.
Charged particle storage rings. (JINR-R – 9-9341) 350072
Method of absolute calibration of beam energy and storage rings. Mass measurement of a PHI meson. (JINR-D – 1,2-9342) 357947
Radiative polarization of beams in the VEPP-2M storage ring. 370769
Radiative polarization of beams in the VEPP-2M storage. (JINR-D – 1,2-9342) 357972
Tumanov, A.V.
Extraction of rare earths with mixtures of TBP and quaternary ammonium base salt from nitrate solutions. 369753
Tumanov, V.I.
Associates model and concentrational decoloration of induced colour in ruby. (KFTI – 74-47) 355955
Dependence of hard WC-Co alloys mechanical properties on volumetric content and size of pores. 351844
Tumanova, N.Kh.
Investigation of the effect of surfactants on electrode processes in molten salts. (INIS-mf – 4189) 375437
Tumanyan, A.R.
Device for the measurement of instantaneous value of magnetic field strength of synchrotron electromagnets. (EFI – 162(76)) 350052
On the possibility of simultaneous extraction of particles along several beam lines at the Yerevan synchrotron. (EFI – 176(22)-(76)) 350050
Study of coherent synchrotron oscillations of the Yerevan synchrotron beam at the acceleration of particles up to 3 GeV. 350049
Tumanyan, M.A.
Dose-effect dependence on the quantity of microorganisms and their radioresistance. 352015
Tumbraegel, G.
Measurements of energy spectra and doses in liquid air of neutrons from a californium-252 source. 372556
Tung, C.J.
Electron slowing-down flux spectrum in Al_2O_3. 364636
Tunghem, A.
Methods for periodic inspection of steel pressure vessels for nuclear purposes. 379644
Tunik, T.A.
Hafnito-niobates of rare earths and cadmium. 378262
Phase equilibria in the $Cd_2Nb_2O_7$–$Yb_2Ti_2O_7$ system. 359601
Synthesis and crystal structure of $CdNd_4[SiO_4]_3O$. 359693
Tunitskij, N.N.
Effect of an excitation on the cross-section of the $H_3^+ + Ar \rightarrow ArH^+ + (H_2)$ secondary ion-molecule reaction. (INIS-mf – 3915) 348741
Tunkin, A.A.
System for control of plasma filament equilibrium in the T-10M thermonuclear facility. (INIS-mf – 3954) 361641
Tunnicliff, G.
A sensitive radiometric assay for cysteic acid decarboxylase activity in crude enzyme preparations of rat liver and brain. 352176
Tunnicliffe, P.R.
Future of high intensity accelerators in nuclear energy. (AECL – 5903) 360731
Tunstall, J.N.
CSD-YAQUI: an eulerian computer code for flow at all speeds in ducts. (K/CSD/TM – 9) 363107
Tunyak, V.N.
De Sitter cosmological model in the tetrad theory of gravitation. 348621
Homogeneous isotopic cosmological model of space-time with torsion in the Einstein-Cartan gravitation theory. 369221
On the determination of spin momentum in the tetrad theory of gravitation. 358686
Tuohy, I.R.
Pulsed x-ray observations of Cen X-3 from Ariel-5. (CONF-7510169 –) 364417
Tuominen, S.M.
Influence of Si on precipitation phenomena and age hardening of beta Ti alloy. 357338
Tuominiemi, J.
A search for the I peak at 2.60 GeV/c^2 in 12 GeV/c anti pp interactions in the CERN 2m HBC. 377781
Tuovinen, O.H.
Microbial oxidation and reduction of inorganic sulphur compounds in relation to the development and control of microorganisms active in leaching operations. Part of a coordinated programme on bacterial leaching of uranium ores. (IAEA-R – 1470-F) 357504
Pathways of the utilization of inorganic sulphur compounds in Thiobacillus ferrooxidans. 365498
Tupenevich, P.A.
Photoelectromotive force of surface-barrier structures on n-type ZnTe. 368894
Tupynamba, G.A.C.
Differential analysis of uranium and thorium through a delayed neutrons method. 351432
Tur'yanskij, A.G.
Study on thin planar structures with an X-ray diffractometer. 358451
Turaev, N.Yu.
Simulation of ion scattering by atomic chains on real solid surface. 368859
Turala, M.
A measurement of the electromagnetic size of the pion from direct elastic pion scattering data at 50 GeV/c. 353922
Multiwire proportional chambers with a small sensitive area. (INP – 864/PH) 374312
Turanitz, K.
Host mediated assay mutagenicity test of irradiated standard food pellets and their extracts using Salmonella typhimurium G46 and TA1530. (SGAE – 2773) 374388
Inactivation of T_4-phages by heat and γ-irradiation treatment in respect to sludge hygienization. (SGAE – 2739) 373497
Investigations on the mutagenicity of γ-irradiated solutions of glucose. (SGAE – 2457) 354736, 373480
Turbiner, A.V.
Borel summation of perturbation series in quantum mechanics and field theory. 371422
Turchaninov, A.M.
Crystallization and X-ray radiographic investigation into bismuth orthoniobate. 351515
Crystallization in the Sb_2O_3-Nb_2O_5-KF-H_2O system. 354361
Turchi, P.J.
Theoretical studies of the formation and adiabatic compression of reversed-field configurations in imploding liners. 371759
Turck, B.
A cure against 'training' of superconducting magnets. 365711
Self field effect in round and rectangular multifilament composites and stability of superconducting coils. 360649
Turck, S.
Researches with the 600MeV Linac. Chapter 4. (CEA-N – 1959) 354138
Turcotte, R.E.
Focused detection logging technique. (US patent document 4,034,218/A/) 363090
Scanning system for a gamma camera. (German (F.R.) patent document 2620845/A/) 355591
Turcotte, R.P.
Interpretation of inert gas release from irradiated solids. 373373
Thermal and radiation effects on borosilicate waste glasses. 358494
Turdakova, V.A.
On the mechanism of the therapeutic action of various doses of DNA on rats injured by ionizing radiation. 370362
Turek, A.
Determination of Rb and Sr by x-ray fluorescence in the measurement of radiometric ages. 356982

Turek, K.
Fast neutron dosimetry by means of different solid state nuclear track detectors. 368326
Neutron dosimetry with solid state nuclear track detectors. 376656
Turek, M.
FIST – a suite of X-ray powder crystallography programs for use with a HP-65 calculator. (ND-R – 17(S)) 364008
Turek, P.
Octupole-strength concentration observed in α-scattering on ^{27}Al. 372792
Turekian, K.K.
Fate of nuclides in natural water systems. Annual progress report, October 1, 1976 – September 30, 1977. (COO – 3573-26) 349905
Turenne, J.F.
Measurement of the specific activity of organic matter fractions as applied to studies on the evolution of Guyana soils. 357495
Turi, A.
Technique for measuring radioactivity of substances labelled with ^{14}C isotope. (Soviet patent document 492099/A/) 355556
Turjansky, A.G.
Investigation of clustering in ion-implanted silicon and quartz layers by means of total X-ray reflection. 370174
Turk, E.H.
^{140}Ba – ^{140}La gamma-ray standard. (HEDL-TME – 75-130) 352349
CFRMF neutron flux gradient and spectral determinations. (HEDL-TME – 75-130) 351413
Integral cross section measurements on ^{241}Am in the CFRMF. (BNL-NCS – 22500) 356907
Integral cross section measurements on ^{242}Pu in the CFRMF. (BNL-NCS – 22500) 356906
Turkcan, E.
Integral boiling phenomena under radial temperature gradients in a twelve rod bundle of LMFBR geometry. (CONF-761001 – P4) 362873
Turkevich, A.
Search for the production of particle-stable neutral nuclei at multi GeV energies. 369513
Turkin, A.D.
Evaluation, prediction and regulation of population exposure doses in connection with nuclear power plant operation in the USSR. 367758
Solutions to the problems of radiation safety and evironmental protection in connection with the handling of radioactive waste at nuclear power stations in the USSR. 368464
Some approaches to the problem of determining standards for population exposure due to radioactive releases from nuclear power stations. 367799
Turkin, V.F.
Preparation of epitaxial rhenium films. 349396
Turkin, Yu.I.
Particularities of emission-spectroscopic determination of element composition of atmospheric dust. 349166
Turkina, L.A.
Different-ligand cerium complexes with complexones and coloured reagents. (INIS-mf – 4192) 378174
Turkington, R.R.
Dissipation in the superfluid helium film. 359220
Turkot, F.
Attainment of 500-GeV beam in the Fermilab Synchrotron. 363362
Turkovic, A.
High temperature Raman spectroscopy of silver tetratungstate, $Ag_8W_4O_{16}$. 365212
Turkstra, J.
The influence of seasonal changes in the concentration of trace elements in liver tissue of various wild animals determined by instrumental neutron activation analysis. 369577
The influence of seasonal changes in the determination of selenium in liver of various animals by neutron activation analysis and high-resolution gamma spectroscopy. 367683
Turlay, R.
A detector for high-energy neutrino interactions. 379899
Is there a high-y anomaly in antineutrino interactions. 351222
Like-sign dimuon events produced in narrow-band neutrino and antineutrino beams. 356512
Measurement of the neutral to charged current cross section ratio in neutrino and antineutrino interactions. 361888
Observation of a neutrino event with four energetic muons. 372525
Observation of the decay $\pi^0 \rightarrow e^+e^-$. 377802
Observation of trimuon events produced in neutrino and antineutrino interactions. 356511
Study of inclusive neutral current interactions of neutrinos and antineutrinos. 369377
Turmashev, E.
Efficiency of negative ion formation during the sputtering of surfaces activated by alkali metals. (INIS-mf – 3996) 363948
Turnage, J.C.
Management analysis of nuclear allocation for the generation of electricity. 362851
Turnage, K.G.
PWR blowdown heat transfer separate-effects program data evaluation report: system response for thermal-hydraulic test facility test series 100. (ORNL/NUREG – 19) 373825
Turnau, J.
Multiwire proportional chambers with a small sensitive area. (INP – 864/PH) 374312
Overlap function from the multiperipherol model. 353836
Turnbull, D.
Structure and properties of metallic glasses. 373171
Turnbull, J.A.
The characteristics of fission gas release from monocrystalline uranium dioxide during irradiation. 357412
Enhanced fission-product release by grain-boundary diffusion. 357430
Turnbull, K.R.
Measurement and calculation of secondary gamma rays resulting from exposure of Fe, Pb, and H_2O to the ARERR-1 spectrum. (ORNL/TM – 5678) 356540
Turnbull, R.J.
Negative beam generation, transport, and acceleration. (UCRL – 79728) 371990
Solid hydrogen pellet injection into the ORMAK tokamak. 348914, 361535
Stability of space-charge neutralized beams. (UCRL – 80103) 372067
Turnbull, R.M.
Evidence for a narrow width boson of mass 2.95 GeV. 372519
Inclusive anti K^{*0} (890) production in π^-p interactions at 16 GeV/c. 356507
Observation of the reactions $\pi^-p \rightarrow$anti pd at 10 and 16 GeV/c. 372520
Production of phi and f' in 10 GeV/c K^-p interactions. 353959
Turnbull, T.
Radiation dose to the eyes. 367823
Turnbull, W.G.
Achromatic magnetic beam deflection system. 357944
Turneaure, J.P.
Elimination on electron multipacting in superconducting structures for electron accelerators. 360728
Initial performance of the Stanford Superconducting Recyclotron. 363180
Turner, A.P.L.
Cyclic stress effects on transport properties of superconducting composite materials. 359918
Turner, D.G.
Note on the reddening of Polaris B. 372292
Turner, E.L.
The Hubble diagrams for quasars. 366662
Turner, G.E.
Development and testing of instrumentation sensors for sodium coolant systems. (CONF-760503 – P2) 352739
Turner, J.E.
Analytic dosimetry. (ORNL – 5171) 367539
Education and vocational training. (ORNL – 5171) 368492
Health Physics Division. Annual progress report for period ending June 30, 1976. (ORNL – 5171) 366238, 366918, 367226, 367367, 367490, 367520, 367525, 367537, 367539, 367541, 367552, 367553, 367554, 367555, 367556, 367560, 367561, 367563, 367565, 367566, 367567, 367581, 367594, 367597, 367599, 367600, 367601, 367628, 367726, 367727, 367742, 367755, 367879, 368492
Microdosimetry, biological modeling, and theoretical biophysics. (ORNL – 5171) 366918
Minimum dipole moment required to bind an electron: molecular theorists rediscover phenomenon mentioned in Fermi-Teller paper twenty years earlier. 350689
Turner, J.M.
Cross section requirements. (EPRI-ER – 536-SR) 372068
Interplanetary current sheets at 1 AU. 359061
Turner, J.T.
Heat transfer in the vicinity of a partial flow blockage in a reactor core. 376513
Turner, L.
Equilibrium field coil system for the Argonne EPR design. (CONF-771029 – 181) 377362
Finite-gyroradius effects in screw pinches. (INIS-mf – 3963) 371927
Resistive requirements for the vacuum wall of a Tokamak Fusion Reactor. (CONF-771029 – 182) 377363
Turner, L.R.
Superconducting coil design for a tokamak experimental power reactor. (CONF-770842 – 9) 366645
Turner, M.
Confinement and the hadron spectrum in Yang Mills theories. 351197
Gravitational radiation from point-mases in unbound orbits: Newtonian results. 358687
Tidal generation of gravitational waves from orbiting Newtonian stars. I. General formalism. 359178
Turner, R.F.
HTGR fuel and fuel cycle technology. 368174
Low-enrichment and denatured (thorium) fuels for the HTGR: a status report. (GA-A – 14606) 363468
Turner, T.P.
Microdosimetry, biological modeling, and theoretical biophysics. (ORNL – 5171) 366918
Turner, W.C.
Electrostatic ion cyclotron waves and ion energy diffusion in a mirror machine. (UCRL – 79334) 359036
Fabrication of superconductors. 359886
Multi-channel neutral analyzer-system. (UCID – 17584) 377499
Properties of electrostatic ion-cyclotron waves in a mirror machine. 366646
Turner, W.D.
HEXERE12: computer program for the transient thermal-hydraulic analysis of high temperature gas-cooled reactors. (K/CSD/TM – 3) 357773
Turos, A.
Rutherford scattering analysis of thermal interactions between amorphous or crystalline silicon and tantalum films. 370035
Turov, E.A.
NMR in ferro- and antiferromagnets in conditions of magnon "bottleneck". Derivation of equations of motion. 361450
On the possibility of existance of magnon "bottle neck" at nuclear

spin-lattice relaxation in ferro- and antiferromagnets. 350738
Turovskij, V.N.
Effect of blowing device design on the efficiency of blowing down in production of stainless steels in arc furnaces. 375801
Turovtsev, V.V.
Hyperfine interaction for Tb^{160} in gadolinium. 377188
Turowski, P.
Quenching of technical superconductors by heat and magnetic field pulses. 376320
Turrell, B.G.
Nuclear orientation of ^{206}Bi in nickel. 356832
Turricchia, A.
Trends in the development of reactor containment. 370897
Turro, N.J.
Solvent isotope effect on the fluorescence of azoalkanes. 372981
Turski, L.A.
The Vlasov equation for systems with velocity dependent interactions. 376910
Turula, P.
Computer modeling of flow induced in-reactor vibrations. 358323
Turulina, O.P.
On mechanism of sulfides effects during chlorination of metal oxides of chromium subgroup in arc carbon electrode. 359708
Turyanitsa, I.D.
Two-threshold switching in glass-like Cu-As-Te-I films. 348802
Turygin, V.N.
Diffusion layer effect on the strength of cast iron-steel 2Kh13 brazed joint. 362473
Turzo, I.
Measurement of (n,2n) and (n,p) cross sections at 14,7 MeV. 356784
Tusa, E.
Economic considerations of plutonium utilization in the nuclear power strategy of Finland. 368453
Tushin, N.N.
Numerical study of heat and mass transfer in N_2O_4 turbulent flow in a circular tube and a fuel element cluster. (INIS-mf – 3953) 379436
Tushurashvili, R.G.
Low-temperature radiolysis of aliphatic thils. Chapter 5. (INIS-mf – 3678) 354444
Tuszewski, M.
Transient confinement of a high-density plasma in a multiple-mirror magnetic-field configuration. 348970
Two-dimensional boundary-value problem for ion-ion diffusion. 350965
Tutkushpaeva, O.O.
Corrosion protection of magnesium-zirconium alloy during long-time storage. 359833
Tutlis, V.I.
Electronic structure and spectra of rare earth monochalcogenides. (INIS-mf – 3955) 362149
The Slater parameters and energy of the 3d-4s excitation for the free 3dsup(N) ions and 3dsup(N) ions in crystals. 377137
Tutorskaya, N.N.
Titanium effect on the spreading of copper alloys over the surface of ceramic materials. 351721
Tutov, V.I.
The ultimate critical magnetic field of tin. (KFTI – 75-33) 353735
Tutovan, V.
Contributions to the theoretical study of the Procopiu effect. 376947
Tutschka, P.
Mechanism of donor to host tolerance in rat bone marrow chimeras. 370373
Tutter, M.
Lower hybrid heating in a mirror plasma. (INIS-mf – 3963) 371813
On sawtooth oscillations and MHD modes in the W VII A stellarator. (INIS-mf – 3963) 371780
Tuttle, N.M.
Oxide fuel in-reactor creep – LMFBR design aspects. 360126
Tutubalin, A.I.
Differential and integral cross-sections of (n, α) reactions on sup(54,56,57,58)Fe and sup(58,60,62)Ni nuclei at neutron energy 14.7 MeV. (INIS-mf – 3897) 356747
Tutukov, A.V.
Early stages of dynamical evolution of star cluster models. 374975
Tuychiev, S.
Ionizing radiation effects on the thyroid gland in chicken embryos. 360277
Tuyn, J.W.N.
Application of solid state nuclear track detectors for personnel monitoring around high energy accelerators. 368286
On the electrochemical etching of neutron-induced tracks in plastics and its application to personnel neutron dosimetry. 368295
Tuz, V.T.
Measurement of fission neutron spectra of ^{252}Cf in the energy range from 0.02 to 2.0 MeV. (INIS-mf – 3896) 356698
Tuzhilkova, T.N.
Functional and morphological changes in cow heart after administration per os of a mixture of nuclear fission products. 349778
Tuzi, Y.
Measurements of the angular distributions of molecules desorbed from molybdenum surfaces. 369973
Tuzov, L.V.
Influence of low-temperature annealing on structure and destruction character of niobium. 373215
Tuzov, V.A.
Interaction between high-current relativistic electron beam and an interface. 376360
Tuzova, T.V.
On the identification of waters of earth crust breaks under conditions of radioactive anomalies. 375903
Radiological peculiarities of waters in faults of the Northern Kirghizia. 376030
Tvalchrelidze, Eh.V.
Some regularities of ^{90}Sr contamination of plants in Georgiya. 376136
Tverdovsky, N.D.
BN-350 reactor shielding studies. 368195
Tverkovkin, B.E.
Basic performance problems and prospects for 1200-1500MW gas-cooled fast reactors with dissociating coolant. 365981
Calculation of heat and mass transfer in chemically reacting turbulent flow in a tube. (INIS-mf – 3953) 379434
Investigation of heat transfer when cooling a turbulent flow of chemically reacting N_2O_4 in a tube at elevated temperatures of a channel wall. 367900
Numerical study of heat and mass transfer in N_2O_4 turbulent flow in a circular tube and a fuel element cluster. (INIS-mf – 3953) 379436
Tverskaya, L.V.
Energetic electron dynamics of the Earth radiation belts during magnetic storms. 357550
Tverskoj, B.A.
On anomalous anisotropy of solar cosmic ray flux in September 1973. 377661
Twa, G.J.
Development and testing of instrumentation sensors for sodium coolant systems. (CONF-760503 – P2) 352739
Twareque Ali, S.
Classical and quantum statistical mechanics in a common Liouville space. 376948
Tweedy, J.N.
UK experience of safety requirements for thermal reactor stations. 370591
Twieg, D.B.
Radionuclide cardiography as a determinant of cardiac performance for patients in a cardiac intensive care unit. 354962
Twin, P.J.
Gamma ray spectroscopy in ^{64}Zn – levels below 3.1 MeV in excitation. 369509
High spin states in some Zn isotopes. 356796
Lifetimes in ^{61}Ni measured by the recoil distance technique. 351425
Nuclear spectroscopy in ^{63}Zn: states below 1.5 MeV. 369496
Tyagunov, G.V.
Viscosity of the Fe-Ni liquid metal system. 369912
Tyapkin, A.A.
Big optical spark chambers and pulse generators for their suppling. (JINR-R – 13-9745) 358364
Tyapkin, Yu.D.
Character of spatial distribution of precipitates in a stress aged nickel-beryllium alloy. 378748
On the crystal structure peculiarities of the bcc lattice transition metals and solid solutions on their base. 349431
Study of γ- and α-phase structure in Fe-Ni alloys in the vicinity of the martensitic transformation point. 370028
X-ray and electron scattering by crystals with correlated system of second phase particles. 377220
Tyasto, M.I.
Relation between geomagnetic-field secular variations and cosmic-ray threshold rigidities. 357549
Tyazhelova, V.G.
Protective aspect of mitotic division delay. 354795
To the action mechanisms of bioprotectors. 354766
Tyburski, L.J.
Some aspects of non-Abelian gauge theories. 371445
Tychina, I.I.
EPR of Mn^{2+} in semiconductor crystals of the $A^2B^4C_2^5$ type. 348760
Tye, S.H.
Application of the quark-confining string to the psi spectroscopy. 364501
Tye, S.H.H.
Vibrational states in a heavy quark bound system. 372421
Tyfield, S.P.
Electrochemical measurement of carbon potential in sodium – steel systems. (CONF-760503 – P2) 358287
Tykal, A.
Some predictions on the disposal of radioactive wastes from the first Polish atomic station. 355650
Tyler, G.L.
Radio science investigations with Voyager. 374902
Viking solar corona experiment. 366768
Tylkina, M.A.
Application of rhenium alloys in metallic ceramic tubes of SHF range. 351837
Effect of alloying on the properties of the MR-47-VP alloy. 351804
Effect of scale factor on durability of tungsten-rhenium alloys. 349526
Investigating the interaction of oxide cathode core of nickel-rhenium lanthanum or nickel-tungsten-lanthanum alloys with its surface coating. 357323
Investigation and processing of warm wire flattening method of molybdenum-rhenium and tungsten-rhenium alloys. 349415

Metal diffusion in oxide cathode. 357322
Phase diagram of nickel-rhenium-molybdenum ternary alloy system. 349527
Present-day state of rhenium problem and new directions in the developing rhenium alloys. 349549
Tylor, J.C.
The structures of fluorides. 359743
Tyminskij, V.G.
Investigation into radon concentration in exploration for petroleum and gas. 357502
Tymochowicz, S.
Fixation of fission products in glass ceramics. 358478
Tymosh, B.S.
BR-5 primary circuit decontamination. (IWGFR – 7) 360973
Tyner, C.E.
Studies of luminescence efficiency of Eu^{2+} activated phosphors as a function of temperature and high pressure. 367323
Studies of the luminescence efficiency of tungstate and molybdate phosphors as a function of temperature and high pressure. 367322
Tynyanaya, G.G.
Prototype testing of the ANKB-10 ampholyte for molybdenum extraction. 375769
Tyrrell, R.
The energy problem. Chapter 8. 376814
Tyrrell, R.M.
A tentative model to explain the lethal effect of long UV (365 nm) in bacteria. 352024
Tyrziu, V.G.
Structure of energy bands and two-phonon absorption in $CdGa_2S_4$ and $CdGa_2Se_4$ crystals. 371666
Tysotyakov, N.D.
Neutron radiography exposure nomograms. 349960
Tysyachnaya, G.Ya.
Method for decontamination of radioactive saturated alcohols from impurities containing carbon-14. (Soviet patent document 393907/A/) 359736
Tytler, D.
Gas stripping from spirals within X-ray clusters of galaxies. 372293
Tyul'nin, V.A.
Investigation of structure and local radiation centers of glass of Al_2O_3 – SiO_2 system by spectroscopic methods. 375942
Tyul'pa, A.G.
Process equipment for some operations in reprocessing fast reactor fuels. (IAEA-AG – 63-26) 363518
Tyulyupa, A.G.
Comparison of spectroscopic and polarization properties of CaF_2-TR^{3+} (TR – rare earths). (INIS-mf – 3955) 366449
Tyupa, V.I.
Magnetic surface distorting under the effect of current helical perturbations in a stellarator on plasma ohmic heating. 374856
Tyupkin, Yu.S.
On spherically symmetric fields in gauge theories. 368587
Tyurenkova, G.N.
Synthesis and study of properties of d,l-N,N-N'N'-tetracarboxymethyl-α,β-diaminopropionic acid. 364923
Tyurin, V.N.
Influence of hydrogenation on characteristics of resistance to fracture of welded joints of zirconium alloys. 375883
Tyurmina, L.O.
Relation between geomagnetic-field secular variations and cosmic-ray threshold rigidities. 357549
Tyuterev, V.G.
Lattice dynamics of $CdGeP_2$. 350771
Tyutin, I.V.
Gauge invariance of spontaneously broken non-Abelian theories in the Bogolyubov-Parasyuk-Hepp-Zimmermann method. 348591
Tyutryumov, S.L.
Effect of chlorine and beryllium on the NaCl-$BeCl_2$ system properties. (INIS-mf – 4193) 375521
Tyutyujeva, N.N.
On the cocrystallization of isomorphic impurities from solutions. 351607
Tyutyunnik, N.D.
Commercial tests and introduction of ultrasonic methods on final processing rare metal plant. (INIS-mf – 3914) 349422
Tyutyunnikov, P.L.
Investigation of the neutron detection statistics in fast critical assembly BFS-24-1. 355243
Tyutyunnikov, S.I.
Investigation of the capture system without change in injected electron energy. (JINR-R – 9-9139) 355185
Tyzack, C.
Some aspects of the mass transfer behavior in sodium of steels of interest to the UK Fast Reactor Programme. (CONF-760503 – P2) 352783
Tzach, D.
Coherent radiation from an intense relativistic electron beam rotating in a background plasma. 368951
Tzafestas, S.
Canonical decoupling and control of multiple-core nuclear reactors. 352454
Nuclear reactor control using Walsh function variational synthesis. 358103, 363420
Tzanos, C.P.
Enrichment and control optimization in LMFBRs losing reactivity during burnup. 361002
Unprotected loss-of-flow transients in large LMFBRs. (CONF-761001 – P3) 365618
Tzara, C.
Electromagnetic excitation in nuclei in vicinity of the pion threshold. (LYCEN – 7702(pt.1)) 359537
Tzung, F.K.
Residual stresses in Peach Bottom test elements analysis vs experiment. (GA-A – 14329) 358254
Uagerhoej, E.
Channelling effects for 15 GeV/c negative pions. 377798
Ualikhanova, A.
Effect of pH value of medium on rate of acetone hydrogenation on some metals of 8. group. 349296
Selectivity of the 8. group metals in hydrogenation of isomeric hexynes. 369704
Uberall, H.
Isospin splitting of giant resonances in ^{13}C and ^{17}O. 359368
Uberoi, C.
Optic-photon-magnetoplasmons at the interface of two polar semiconductors. 366455
Uborskij, V.V.
Separation coefficients of reactions of tritium isotopic exchange in water-hydrogen sulfide, water-hydrogen and ammonia-hydrogen systems. 378198
Uchajkin, V.V.
To the calculation of energy resolution of ionization calorimeter. 363596
Uchanin, V.N.
Electromagnetic determination of the corrosion extent in nonmagnetic metal articles. 375799
Uchibori, Masayuki
The frequency pattern of the dumpy mutations induced by x-rays in different stages of spermatogenesis of Drosophila. 367454
Uchida, H.
Effect of oxygen sorption layers on the hydrogen absorption of tantalum. 375835
Uchida, Hideo
Heat transfer model of quenching in reflooding phase. 368105
Uchida, Katsuo
Environmental tests of electric cables for nuclear power plants. 374161
Uchida, M.
Irradiation experiments of uranium carbide, carbonitride, and nitride fuels in JAERI. 379823
Uchida, Masaaki
Study on densification of uranium dioxide fuel pellets. (JAERI-M – 7210) 379578
Uchida, Masahiro
Basic and clinical studies on bone deposition of sup(99m)Tc-labeled methylene diphosphonate. 354935
Uchida, Norio
Cascade for a gas separator. 349930
Uchida, Shunsuke
Means for restricting out-flow of reactor cooling medium. 350180
Method of detecting failed fuel. 360848
Method of processing radioactive rare gases. 361113
Method of removing iodine in reactor container. 368110
Uchida, T.
Comparative study on lysosomal accumulation of ^{67}Ga and ^{111}In in Morris hepatoma 7316A. 352076
Tokamak plasma heating by application of strong poloidally induced electric field. (INIS-mf – 3963) 371896
Uchida, Tatsumi
Thrombokinetics. 370442
Uchikawa, Sadao
Control instrument of a nuclear reactor. 350189
Fuel assemblies in a reactor. 360907
Uchikawa, Toru
Fundamental studies on clinical application of ^{13}N-ammonia. 349805, 349837
Uchino, Haruto
Development of chronic myelocytic leukemia in atomic bomb survivors. 370386
Preleukemia. Late and latent hematologic effects of atomic bomb irradiation in the Japanese. 370385
Study on preleukemic state. 349772
Uchino, K.
Control computer system for KEK proton synchrotron. 363272
Uchiyama, Guio
Thyroid studies with iodine-123. 379198
Uchiyama, Masafumi
Estimation of ^{137}Cs body burden. (NIRS-M – 14) 379355
Uchiyama, Masashi
Estimation of ^{137}Cs body burden in Japanese, 1. 379122
Uchiyama, Masayuki
Model engineering for piping layout of boiling water reactor nuclear station. 374210
Uchiyama, Yuichi
Reactor. 360887
Studies for aseismatic design of atomic power equipment. 360832
Vibration-resisting device in a reactor core. 360894
Uchrin, Gy.
Thermoluminescent beta dosimetry for routine personnel monitoring. 355504
Uckan, N.A.
Design features of the ELMO Bumpy Torus Reactor (EBTR). (CONF-771109 – 65) 377560
Economic analysis of EBT reactor. (CONF-771029 – 80) 372093
ELMO Bumpy Torus. (CONF-771109 – 57) 377381, 377382
Plasma engineering considerations for a medium-field ignition test reactor. 377509
Plasma engineering innovations for the ORNL TNS reactor.

(CONF-771029 – 146) 377508
Plasma simulation and modeling for ELMO bumpy torus reactor. (ORNL/TM – 6019) 364258
Uckan, T.
Small radius start-up for a TNS plasma. (CONF-771029 – 88) 377561
Study of possible separable solutions for plasma transport in ohmically heated tokamaks. (ORNL/TM – 6065) 369000
Uda, M.
Bonding effect in X-ray spectra induced by 84 MeV N^{4+} ions. 358846, 377562
Udagawa, T.
Multi-step-direct-reaction analysis of continuum spectra of (p, α) reaction. 362024
Udal'tsov, V.A.
Spectral peculiarities of the 0329, 0834 and 1919 pulsar radiation. 353720
Udas, G.R.
Uranium and thorium resources and development of techniques and equipment for their prospection. 365300
Udaykumar, M.
Growth regulator induced mobilization of ^{14}C-metabolites into sunflower heads. 373729
Screening of varieties for relative drought tolerance in groundnut. 376156
Udod, V.A.
Experiments on the water-oil contact repulsion on a model of a well using $C^{13}(\gamma,n)C^{12}$ reaction. (KIYI – 76-19) 349642
Udovenko, A.A.
Crystal structure of cesium chlorotrifluoro-antimonite. 369717
Udovichenko, Yu.K.
Transportation of relativistic electron beam in a plasma. 348927
Udrea, M.V.
Target stimulated laser breakdown in air. 356102
Udris, A.I.
Calculations of the shifts of an X-ray line in the nonrelativistic and relativistic approximations. 377048
Udseth, H.R.
Dissociative charge transfer in ion-molecule collisions. 361399
Udupa, K.N.
Effect of ^{60}Co whole-body itradiation on thyroid of albino rats. 349739
Response of adrenal gland to whole body ^{60}Co irradiation. 349738
Ueberall, H.
The capture of muons by complex nuclei. 361967
Telecommunication with neutrino beams. 377826
Ueda, Hiroshi
Emergency core cooling apparatus. 361010
Emergency core cooling equipment. 361011
Method of scrumming a control rod. 360863
Pressure tube type research reactor. 350278
Ueda, K.
The model rotor for the 6 MVA superconducting generator. 360599
Studies of Ca^+ implanted Mo foil by means of work-function measurements and AES. 367333
Ueda, Kazutaka
Analyses of Np and NO_2^- in the Purex process. (PNCT – 831-73-01) 349376
Ueda, Keiko
Cesium-137 and potassium contents in low-teens in areas of different fall-out levels in Japan. 355053
Ueda, M.
Basic studies of various 99sup(m)Tc-labelled renal agents and clinical application of 99sup(m)Tc-malate. 352165
Reactivity worths of annular control rods in a pressure-tube-type heavy water lattice. 352507
Ueda, Makoto
Fuel assembly for a pressure tube type heavy water reactor. 368193
Fuel assembly. 350214, 368128
Reactor control rod. 368079
Ueda, Masayoshi
Immunological studies on multilocular echinococcosis. 349850
Ueda, N.
Behaviour of superthermal electrons in the scrape-off layer of DIVA. 372099
Reduction of power loss due to heavy impurities in Diva. (INIS-mf – 3963) 372098
Ueda, Syuzo
High velocity tensile test of austenitic stainless steel at elevated temperatures. 349476
Ueda, T.
Three-nucleon interactions and nuclear matter. 354123
Ueda, Y.
The inverse mass formula for psi and the spectral function sum rules. (IC – 76-32) 361858
Metallic-antiferromagnetism of non-stoichiometric V2O/sub 3+x/ studied by (^{57}Fe) Moessbauer effect. 365213
New resonances in the linear chiral SU(4) x SU(4) model. 359319
Ueda, Yoshifumi
ESR study of Pb^{3+} ions in cubic PbF_2 crystals irradiated with γ-rays and neutrons at low temperatures. 358890
Paramagnetic centers in neutron-irradiated Li_2O. 377302
Uegaki, Eiji
Structure of the excited states in ^{12}C. I. 354124
Uegaki, J.-I.
Study of the fsub(7/2) ground isobaric analog resonance in the (e,e'p) reaction on ^{139}La and ^{141}Pr. 372823
Uehara, K.
R.F. plugging and heating of magnetized sheet plasma. (INIS-mf – 3963) 372069
Uehara, Kunihiko
Non-linear strings. 359276
Uehara, Masayuki
Slope-mass correlation in nucleon diffraction dissociation. 359293
Unnatural parity mesons in the dual unitarization scheme. 366871
Uehl'skij, A.A.
Structure of tungsten coatings prepared by carbonyl method. 349550
Uehleke, H.
Irreversible binding of ^{14}C-labelled trichloroethylene to mice liver constituents in vivo and in vitro. 354970
Ueki, Kohtaro
Energy degradation matrix for inelastic scattering of neutrons. 349097
Uelhoff, W.
Production and characterization of monocrystals of the cubic Laves phases Se-Al_2. (Juel – 1416) 354484
Uematsu, K.
Experience and future plan of fast reactor oxide fuels irradiation in Japan. 379817
Japanese development program for advanced LMFBR fuels. 379797
Plutonium utilization in thermal and fast reactors in Japan. 365822
Safety features of the fuel monitoring facility for handling irradiated fast breeder reactor fuels. 360704
Uematsu, Kunihiko
Materials for fast experimental reactor 'Joyo'. 379818
Technologies and materials of FBR 'Joyo', all domestically provided. 374268
Uematsu, Tsuneo
On the anomalous dimension and the Schwinger term in the U(N) symmetric Thirring model. 359320
Uemura, Akira
Cover gas system in a reactor. 368208
Uemura, Tsuguaki
Study on vertical bubbly flows using laser Doppler measurements, (1). 349978
Ueng, C.E.S.
Tensile analysis of an edge notch in a unidirectional composite. 357397
Ueno, K.
Experimental study of nuclear shadowing in photoproduction. 359342
Lepton pair photoproduction in a thick target. 356663
Observation of a dimuon resonance at 9.5 GeV in 400-GeV proton-nucleus collisions. 351221
Observation of structure in the UPSILON region. 369378
Ueno, Naoko
Rb-Sr and K-Ar isotopic investigations of granodiorites and the associated metamorphic rocks in the Abukuma Plateau, Japan. 360170
Ueno, Nobuo
Intensity dependence of He II resonance radiation on helium gas pressure. 371537
Ueno, Nobuyuki
Lattice for supporting nuclear reactor fuel assembly. 368037
Nuclear fuel assembly. 360841
Ueno, Takeshi
Intermediate fossil fueled units for variable pressure operation. 368033
Uerkhovtseva, E.T.
New interpretation of ultrasoft X-ray emission spectrum of argon in the range of 250-270 eV. 377136
Uesugi, Akira
Interpretation of variable line profiles of Deneb (A2Ia). 349002
Uesugi, Nobuo
Fuel assembly. 379819
Ueta, N.
Inelastic scattering of ^3He and α particles from ^{124}Sn and $^{122, 124}Te$. 356868
Levels in ^{123}I and ^{125}I from (^3He,d) reactions. (IFUSP-P – 109) 363932
Uexkuell, M. von
Spectral investigation of the chromosphere. VI. 372177
Ueyama, Koretsune
Extraction of cadmium by high molecular weight alkylamines. 359628
Extraction of uranium by trioctylamine. 359627
Ueyama, Michio
Gaseous products and smoke generation on combustion of the insulation materials of nuclear cables. 349575
Ueyanagi, K.
Cost analyses of uranium enrichment by laser isotope separation process. 352339
Optimum operating conditions for a laser uranium enrichment plant. 352340
Ueyanagi, Kiichi
Device for separating uranium isotopes. 367856
Method of separating uranium isotopes. 349931, 360562
Separation method of uranium isotopes. 360561, 360563
Ufimtsev, A.G.
Injection for the IHEP booster using I-100 linac. (IFVE-PKU – 76-37) 376370
Ugai, M.
Magnetic field-line reconnexion by localized enhancement. 368999
Ugale, S.D.
Effect of ^{60}Co and ethyl methane sulphonate on growth and fruit development of capsicum annum. 352141
Ugaz, E.
Cluster models and long-range azimuthal correlations. 356464

Ugge, A.
Construction and characteristics of transducers for measurements in in-pile test sections. 360787
Uggerhoej, E.
Channeling of protons, pions and deuterons in the GeV region. 353418
Uggerhoj, E.
The effect of planar oscillations on the impurity yield in the backscattered H^+ spectrum: -Bi^+ and Sb^+ implanted silicon. (INIS-mf – 3996) 364144
Energy loss of 2-15 GeV/c particles in Si and Ge single crystals with a comparison to existing theory. (INIS-mf – 3996) 364005
Lattice location of Bi implanted in Si. (INIS-mf – 3996) 364069
Uglekov, V.Ya.
Muon flux measuring system for neutrino experiments at the IHEP accelerator. 357946
Observation of muon pairs in neutrino interactions at Serpukhov 70 GeV accelerator. 361870
Uglov, A.A.
Heat calculation for borating tungsten wire. 359868
Investigation of pulse discharge using high-speed photorecorder. 359912
Ugniewski, S.
Experimental studies of laser-produced plasmas within the spherical multipole trap. (INIS-mf – 3963) 371734
Ugol'nikov, V.V.
Low speed turbines for nuclear power plants. 379564
Uher, M.
Dekryptonation thermal analysis of some isothiocyanates. 372962
Uhl, M.
Gamma competition in the decay of unbound states in ^{56}Fe produced by the $^{56}Fe(n,n')$ reaction with 14 MeV neutrons. 356894
Uhlenbeck, G.E.
The ideal Bose-Einstein gas, revisited. 353173
Uhlenbruck, H.
Measuring variables and errors of the quantitative image analysis. (Juel – 1411) 355237
Uhlenbusch, L.
Recent findings on fission product release from a 3000MW(th) pebble-bed reactor in case of accidents with unchecked core heat-up. 370955
Uhlhorn, C.D.
Properties of excited states in ^{102}Pd. 372785
A quadrupole-focusing time-of-flight mass spectrometer. 366062
Uhlig, S.
Charged particle multiplicity distributions in pp collisions at ISR energies. 356525
Observation of charged particle corrections between the forward and backward hemispheres in pp collisions at ISR energies. 377831
Observation of charged particle correlations between the forward and backward hemispheres in pp collisions at ISR energies. 375072
Uhlir, M.
Remarks about singular solutions to the Dirac equation. 368600
Uhm, H.
Influence of strong self-electric fields on the ion resonance instability in a nonneutral plasma column. 364185
Uhrhane, F.J.
Elastic cross sections for e + ^{40}Ca at 757.5 MeV. 364744
Uhrmacher, M.
Implantation perturbed angular distribution for argon and potassium in iron. 356723
Uiberrak, H.
Bolus dynamics in functional disorders of the right heart. (INIS-mf – 4010) 362840
Uimarihuhta, A.
Determination of peak shapes of filtered X-rays using attenuation measurements with polydiscrete X-ray beams. 364630
Uitzinger, J.
Collective bands observed in single closed shell even mass Sn nuclei. (INIS-mf – 4267) 377982
Ujita, Katsu
SF_6-gas-quenched surge arresters for a 500kV GIS. 350231
Ukawa, A.
Structure of leading infrared divergences in non-Abelian gauge theories. 358663
Ukhanov, M.
Inclusive production of charged pions in K^-p interactions at 32 GeV/c. 353960
Ukhanov, M.N.
A study of πsup(+), πsup(-) and proton production in pp interactions at 69 GeV/c. 361867
Ukhanov, Yu.I.
Study on absorption coefficient in p-PbTe. 353498
Ukhanova, N.Yu.
Using extraction concentration for lanthanum determination in magnesium alloys. (INIS-mf – 4191) 375376
Ukhin, N.A.
Effect of conduction switching in germanium irradiated with 2,5 MeV electrons. 368724
Effect of short-time "memory" in germanium samples irradiated with accelerated electrons. 368782
Ukhov, V.A.
Numerical study on viscous flow in a flat ribbed channel. (FEI – 558) 349983
Ukhov, V.F.
Using molecular dynamics method for the evaluation of Fe-Ni and Al-Zn melts structure properties. 349516
Uklonskaya, L.I.
Recovery of small intestine mucosa of rats in acute radiation sickness of the intestinal type. 349745
Ukolov, A.A.
Separation coefficients of reactions of tritium isotopic exchange in water-hydrogen sulfide, water-hydrogen and ammonia-hydrogen systems. 378198
Ukolov, A.S.
Trapping of charged particles by transverse electromagnetic waves. 348988
Ul'masbaev, B.Sh.
Ion beam alignment in the MSX-4 mass spectrometer. 371156
Ul'ritsi, B.
Optical absorption in SrO single crystals. 364139
Ul'ritsi, V.
Optical absorption in SrO single crystals. 364139
Ul'yanin, E.A.
Specific features of technology for producing large sheets of low-carbon corrosion resistant 03Kh21N21M4GB steel. 375802
Thermodynamic analysis of intergranular corrosion of austenite steels. 349366
Ul'yanina, M.N.
Calculation methods for output characteristics of charged particle beams in a linear accelerator. (INIS-mf – 3909) 374088
New approach for calculation of optimal characteristics of a linear accelerator. (INIS-mf – 3909) 374043
Ul'yanov, B.V.
Optical seal based on ceramics of lead zirconate-titanates doped with lanthanum. 370107
Ul'yanov, V.I.
Influence of zirconium on technological properties of the welding wire Sv-08G2S. 349489
Ul'yanov, V.N.
Automated system based on the universal computer for experimental data collecting and processing. (NIIAR-P – 236) 358039
Ul'yanov, V.V.
On the non-functional approach in the WKB method. 376949
Ulakhovich, N.A.
Effect of organic solvent nature on electrochemical reduction of metal xanthate. 369718
On polarographic reduction of mixed-ligand complexes of zinc and cadmium with ethyl xanthate and 2,2'-bipyridyl. 369603
Use of diethyldithiophosphoric acid for extraction-polarographic determination of some metals. 375232
Ulanov, S.A.
Phase equilibrium in the tungsten-chlorine-oxygen system. 375448
Ulanov, V.A.
Transferred hyperfine interaction of Yb^{3+} in $KMgF_3$. 371595
Ulanova, A.M.
Effectiveness of automyelotherapy of irradiated dogs depending on the number of transplanted cells. 376110
Ulasevich, V.K.
Hybrid thermonuclear reactor for fissile material production. (INIS-mf – 3954) 361552
Ulbricht, A.
The study of high voltage problems in a superconducting power pulse generator. 360736
Ulbricht, J.
The polarized proton capture reaction $^7Li(p, \gamma)^8Be$ in the energy range from 380 to 960 keV. 354273
Ulehla, I.
Application of the soft-core two-nucleon potentials in the theory of nucleus. 377941
Soft-core two-nucleon potentials. 366959
Uleksin, V.I.
State and prospects of domestic radioisotope instrument-making in the field of control and measurement of concretes and soils density. 349947
Ulfert, G.
Lifetime measurements of nuclear levels with the charge plunger technique. 379953
Ulin, S.E.
A study of twice-albedo electrons in the atmosphere. 357532
Ulinskas, R.B.
Transverse stream-lining of an tube cluster at low Re's in heat transfer process. (INIS-mf – 3957) 363110
Ulinskas, R.V.
Heat transfer efficiency while transverse stream-lining of a cluster at critical Re's. (INIS-mf – 3957) 365702
Ullah, N.
Seniority in projection operator formalism. 361320
Ullmaier, H.
High energy-high intensity neutron sources for fusion technology and radiotherapy applications. 353650
Simulation of radiation-induced creep in special steels. 370214
Ullman, A.Z.
Reactions of modulated molecular beams with pyrolytic graphite IV. Water vapor. 366363
Self-consistent normal fluid equation-of-state for (U,Pu)N. 352237
Ullmann, H.
Problems of technology and corrosion in sodium coolant and cover gas. (ZfK – 337) 378552
The transfer of the radioactivity in the primary circuit of LWR's. (ZfK – 338) 373113
Ullmann, W.
Radiation protection type testing and licensing of filters for separation of radioactive aerosols. (SAAS – 224) 355157
Test equipment used for radiation protection type testing of aerosol filters at the National Board of Nuclear Safety and

Radiation Protection (SAAS). (SAAS – 220) 365723
Ullo, J.J.
Analysis of homogeneous U233 and U235 critical assemblies with ENDF/B-IV data (AWBA development program). (WAPD-TM – 1299) 379848
Analysis of the boron pile measurement of the average neutron yield per fission of ^{252}Cf: (AWBA development program). (WAPD-TM – 1287) 372681
Ullrich, J.
Electromagnetic shaker, especially for work in radioactive environment. (Czechoslovak patent document 155594/B/) 371147
Ullrich, K.
Moessbauer emission spectra of Co-films (4-8 A) on Cu. 366415
Ullrich, R.
Analysis of isothermal LOFT blowdown experiments with high-pressure coolant injection. 370943
Ullschmied, J.
Plasma heating and ion acceleration by a relativistic electron beam – REB accumulation. (INIS-mf – 3963) 372046
Ulmanis, U.A.
Study of magnesium oxide radiolysis products using dissolution method. 373087
Ulmer, M.P.
X-ray lines and magnetic field of Her X-1. 369038
Ulrich, H.
Passivation of germanium detector surface. 371135
sup(133m)Xe for labelling gaseous phases in technical tracer experiments. 373984
Ulrich, M.H.
Absorption lines in the optical spectrum of quasar A00827+24. 353715
Ulrych, G.
Nuclear reactor. (German (F.R.) patent document 2455060/C/) 355284
Ultmann, J.E.
Prognostic classification of Hodgkin disease in pathologic stage III, based on anatomic considerations. 352047
Ulyanow, L.P.
Method and device for measuring dynamic characteristic data of materials. (German (F.R.) patent document 2348000/C/) 367994
Ulybin, S.A.
Thermal conductivity of carbon dioxide at temperature 220-1300 K and pressure till 300 MPa. 378794
Umakantha, N.
Half-life of thorium-232: a laboratory experiment. 366970
Umano, Shuji
From the age of oil fuel system to HTGR and hydrogen energy system. 368436
Umansky, S.R.
The effect of gamma-radiation on the interaction of DNA with nuclear non-histone proteins. 352009
Umarov, M.U.
Determination of boron in natural waters using neutron-activation method. 364928
Umble, D.G.
Assessment of reactor internals vibration in BWR/4 and BWR/5 plants. (NEDO – 24057) 379629
Umeda, Iwao
Embedded type high-flux reactor. 368256
Nuclear fuel apparatus and a two-region core reactor using the apparatus. 368255
Umeda, Keiji
Influences of irradiated food and future aspects. 367682
Umeda, Mitsutoshi
Thermal decomposition of gadolinium(III) carbonate. 359626
Thermal decomposition of gadolinium(III) oxalate. 359625
Umegaki, Yoichiro
Clinical experiences with fast neutrons by NIRS medical cyclotron. 379073
Fundamental studies on clinical application of ^{13}N-ammonia. 349805, 349837
Umesaki, Norimasa
Self-diffusion coefficients of fluorine in molten LiF-BeF_2 mixture system. 359669
Self-diffusion of lithium in molten Li_2BeF_4. 367087
Umesh Chandra
New experiences in borehole dilution techniques. 370283
Umezaki, Noriyoshi
Study of skin contamination with radioactive substances. 379127
Umezawa, H.
Order of phase transition between the Meissner state and the mixed state. 356366
Umezu, Junya
Study of the curing course and effects of linear accelerator irradiation of the pathohistological change of the cervix uteri. 367540
Umiastowski, K.
Geostatistical method of interpretation of nuclear well logs. 375974
Influence of the rock heterogeneity on the results of gamma-gamma logging. 376021
Some factors affecting accuracy in determinations of heavy element concentrations in the selective gamma-gamma method. 375969
Umilin, V.A.
On the content of homologues and isomers of bisethylbenzenevanadium in products from Fischer synthesis. 369729
Umova, V.M.
Heat treatment effect on welded joint structure of 22Kh3M steel. 3758.9
Umrejko, D.S.
Investigation into tetravalent uranium ortho-phosphates. 375641
Umurzakov, B.S.
Intrinsic and extrinsic conductivities of KBr and KJ crystals. 358865
Unal, A.
Comparative study of two preoperative radiation regimens with cystectomy for bladder cancer. 373579
Unal, H.C.
Dynamic instabilities in tubes of a large capacity, straight-tube, once-through sodium heated steam generator. 368239
Unamuno, S. de
Measurement of the branching ratios of multi-pion final states in anti pp annihilation at 1.6 GeV/c. 366884
Undalov, Yu.K.
Edge emission from $CdGeP_2$ crystals. 348822
Radiative recombination in $CdGeP_2$:In crystals. 348821
Underhill, D.W.
Release of adsorbed krypton and xenon from spilled charcoal. 351875
Underwood, D.
Measurements of the total cross-section difference and the parameter Csub(LL) in pp scattering with longitudinally polarized beam and target. 356485
Suggestion for a dibaryon resonance in the pp system. 356426
Underwood, D.G.
Method of measuring the polarization of high momentum proton beams. (ANL-HEP-PR – 77-56) 369387
Underwood, J.H.
The analysis and interpretation of solar X-ray photographs. 353716
Undrill, P.
Clinical evaluation of radioisotope axial tomography of the brain. (INIS-mf – 4010) 357678
Une, K.
Kinetics of reaction of zirconium alloy with hydrogen. 378420
Une, Katsumi
Nuclear fuel element. 368045
Stress corrosion cracking of zircaloy-2 cladding in iodine vapor. 373114
Uneda, Susumu
Clinical application of extracellular fluid measurement using ^{35}S-sodium sulfate. 379200
Unfried, E.
Calibration of semiconductor detectors. 355592
Low level gamma spectrometry. 368330
Ungemach, S.R.
Chemical applications of molecular quantum theory. (LBL – 6699) 378421
Unger, H.
Comparative SSYST-1 calculations on the TREAT-FRF2 experiment. 370610
Estimation of the pressure load on the containment during hypothetical steam explosions. 370531
Intermediate storage of spent LWR fuel elements: experience and tasks from the fuel element point of view. 370933
Unger, J.
Methods to calculate local coolant conditions during decay heat removal from spent fuel stores. 370828
Unger, U.
Theoretical investigations of the fuel rod behavior during a LOCA. (KFK – 2435) 357799
Unger, V.
Radioactive microspheres for the assessment of temporary perfusion disorders in long-term experiments on animals with an artificial heart. (INIS-mf – 4010) 370510
Unger, W.E.
Techniques for shearing and dissolving LMFBR fuels. (IAEA-AG – 63-1) 363497
Ungkitchanukit, A.
Absorption corrections in the inclusive production of the Δ (1236) in the triple-Regge region. 351182
A critical pomeron's view of the total and triple-Regge inclusive cross sections. 353787
A study of inclusive sector and tensor meson production in the beam fragmentation region. 369272
Ungricht, E.
Elastic scattering and neutron transfer reactions with ^9Be. 378011
Elastic scattering of ^9Be on heavy target nuclei. 372702
Unione, A.J.
Comprehensive method of common-mode failure analysis for LMFBR safety systems. (CONF-761001 – P2) 363032
Unishkov, V.A.
Radioisotope batteries with silicon base semiconductor converter. 352356
Unkhol'tser, S.
Elastic and inelastic scattering of 3.4 MeV neutrons on Na, Mg, Al, Si, P, V, Mn, Fe, Co, Pb and Bi isotopes. 378036
Unni, C.K.
Determination of chlorine in silicate rocks by neutron activation analysis. 364924
Unnikrishnan, A.
Fused salt electrorefining of zircaloy scrap. 367224
Unnikrishnan, K.
Collection efficiency of Wathman GF/A filter for short-lived decay products of Rn 222. 360662
Spectrum shapes of low-energy photon sources. 361942
Uno, Hisao
Standard water capsule and instrumentation for NSRR experiments. (JAERI-M – 7105) 368258

Uno, R.
Determination of the structure factors of a LiF powder sample by the energy dispersive x-ray diffraction. (HU-P – 125) 364140
Unrod, V.I.
Interaction in the HfC-HfB_2 system. 360023
Unruh, C.M.
Environmental impact statement, commercial radioactive waste management. (ORP/CSD – 77-2) 374397
Radiological design of hot laboratories. 360665
Unruh, D.M.
History of the Pasamonte achondrite: relative susceptibility of the Sm-Nd, Rb-Sr, and U-Pb systems to metamorphic events. 377659
Unruh, W.G.
Particle detectors and black holes. 355847
Unsworth, G.N.
Decommissioning of CANDU nuclear stations. (AECL – 5800) 360956
Unt, V.
On the transformation of the energy of the gravitational field into other forms of energy. 366304
Unterhorst, E.J.
Nuclear acoustic resonance in liquid gallium. 371694
Unterkircher, S.
Dynamic and static brain scintigraphy for the detection of brain tumor recurrences. (INIS-mf – 4010) 362820
Unterlerchner, W.
Prototype vacuum test section for the CERN large storage ring project. 370738
Untermyer, S.
Measuring low concentrations of plutonium and americium in earth samples. 378882
Unternaehrer, J.
Elastic scattering and neutron transfer reactions with ^{9}Be. 378011
Elastic scattering of ^{9}Be on heavy target nuclei. 372702
Uny, G.
X-ray diffraction and scanning electron microscopy study of pyrolytic silicon carbide particles for a high temperature reactor. 373309
Uo, K.
Alfven-wave heating experiment in the heliotron-D. 364235
Shear Alfen wave heating experiment in the Heliotron D. (INIS-mf – 3963) 372070
Upadhaya, J.C.
Model potential study of phonon dispersion in scandium and yttrium. 357292
Upadhyaya, B.R.
Identification of nuclear systems. 367766
In-situ response time testing of platinum resistance thermometers. (EPRI-NP – 459) 358223
Upadhyaya, J.C.
Multi-ion forces in the lattice dynamics of terbium and holmium. 366480
Upadhyaya, U.N.
Acoustic attenuation in superfluid helium. 366803
Upgren, A.R.
A new program to determine K(z) from main sequence stars. 369222
Objective-prism radial velocities at high latitudes. 369206
Upham, F.T.
Bevalac Minibeam Facility. 363337, 374083
Uphaus, R.A.
Isotope chemistry and biology. 352063
Upikin, E.I.
Effect of some nitro- and nitroso compounds on electrochemical properties of titanium alloys VT1-1 and OT4 in hydrochloric and sulfuric acids. 378422
Upreti, G.C.
Electron paramagnetic resonance of Gd^{3+} in single crystals of some lanthanide trichloride hexahydrates. 351524
Uragami, K.
Collapsing load for elbows under in-plane bending moment. 350103
Structural analysis and evaluation for the design of pressure vessel. 350127
Urahashi, Shingo
Estimation of population doses from stomach mass screening, 1975. 379337
Urakaev, F.Kh.
Studying mechanism of mechanochemical decomposition of solid inorganic compounds. 378423
Urakawa, Norimoto
The mode of contractile action of palytoxin on vascular smooth muscle. 354847
Urakubo, Goro
Radiolysis of benzyl alcohol in aqueous solution by external gamma-irradiation. 359781
Uralil, F.S.
Radiation damage in magnesium oxide single crystals by positive ion irradiation. 362551
Uramoto, Johshin
Extraction of a long-pulsed intense electron beam from a pulsed plasma based on hollow cathode discharge. (IPPJ – 288) 366647
Urano, M.
Repair of potentially lethal radiation damage in a spontaneous animal tumour in vivo. 379046
Urano, Muneyasu
Clinical experiences with fast neutrons by NIRS medical cyclotron. 379073
Effect of x-irradiation on cell kinetics of esophageal membrane cells in mice. 367480
Radiobiological effectiveness of high LET radiation. 349756
Urasinski, I.
Cellular proliferation indices in acute (immaturecell) leukaemias. 367646
Uray, I.
Fast neutron induced 12^{-} isomeric state of ^{206}Tl. (ZfK – 336) 364828
Uray, Z.
Alkaline endonuclease(s) activity in the thymus and spleen of normal and irradiated mice. 365400
Urazaliev, U.S.
Phase composition of materials formed during vacuum heating of mixtures of the Al_2O_3-Ta system. 349569
Phase composition of the products from reaction of molten Al_2O_3 with solid Ta in vacuum. 369684
Urazgil'deev, A.Kh.
Liquation of gases in the process of high chromium steel ingots crystallization and their distribution in the final products. 357239
On the balanced composition of the unkilled steel. 369883
Urbach, A.R.
A long-term helium dewar for space experiments. 360650
Urbahn, H.
Studies for a comparison of the maximum possible consequences of accidents in a reprocessing plant and a nuclear power station. 351684
Urbain, J.
A sensitive method for measuring pyrimidine dimers in situ. 351988
Urban, K.
The core restraint concept of the SNR 300 – potential and results. 371057
Urban, M.
Rigorous formulae for the statistical errors on the zeros and the partial waves in two-body reactions. 353912
What will the fast breeder bring us. 365991
Urban, S.
Calorimetric and X-ray investigation of t-nitrobutane. 364141
Dielectric relaxation in the isotropic, nematic and solid phases of p-azoxyanisole in the radio and microwave frequency range. 371702
Urbanek, V.
Preparation of UO_2 dense spherical particles by the sol-gel technique. 367204
Urbani, G.C.
Subcooled and bulk boiling correlations for thermal design of steam generators. (CNEN-RT/ING – 77-10) 363097
Urbaniak, A.
Temperature shift of the maximum of neutron critical scattering in the second Born approximation. 371651
Urbanic, V.F.
In-reactor oxidation of crevices and cracks in cold-worked Zr-2.5 wt.%Nb. 373339
Urbanski, T.
Isotope investigation of anodic slime movements in copper electrorefining baths. 367897
Studies of separation processes using radiotracers. 376293
Urch, I.H.
Charged particle diffusion in the presence of Alfven waves: the perpendicular particle flux. 349034
Urdenko, V.A.
Uranium in the Black Sea. 351955
Uren, R.F.
Comparison of four stannous compounds for in vivo red cell labelling with sup(99m)Tc. (INIS-mf – 4010) 362721
Radionuclide left ventriculography with the slant hole collimator. 352118
Uresk, V.A.
Revegetation of a waste disposal site in the 200 areas of the Hanford Reservation. (PNL – 2454) 378831
Urguhart, A.W.
Structural component made of a zirconium alloy and heat treatment process for it. (German (F.R.) patent document 2607146/A/) 351725
Urie, M.W.
Close-coupled x-ray analysis of mixed oxide fuels. (HEDL-SA – 1271-FP) 380128
Urin, M.G.
Dipole radiative decay of analog states. 377910
Role of exchange forces in nucleon radiative capture in the giant dipole resonance region. 377909
Strength functions of compound nucleus resonances for partial E1 transitions. 377888
Urin, V.N.
Scattering of 2.9 MeV neutrons by silicon nuclei. (INIS-mf – 3897) 356567
Uritskaya, A.A.
Phase composition and photoelectric properties of chemically precipitated CdS films. 349308
Urizar, M.J.
Plastic-bonded targets of carbon-13 and silicon. (LA – 6850-C) 370765
Urland, W.
The interpretation of the crystal field parameters for fsup(n)-electron systems by the angular overlap model. Rare-earth ions in $LaCl_3$. 371538
Urli, N.B.
Radiation effects in semiconductors, 1976. Invited and contributed papers from the international conference on radiation effects in semiconductors held in Dubrovnik, 6-9 September 1976. 370123,

370124, 370126, 370127, 370129, 370133, 370135, 370136, 370138, 370139, 370140, 370141, 370143, 370144, 370145, 370146, 370147, 370148, 370154, 370155, 370157, 370159, 370161, 370163, 370164, 370166, 370169, 370171, 370172, 370173, 370174, 370176, 370177, 370178, 370179, 370180, 370182, 370186, 370189, 370190, 370191, 370192, 370193, 370194, 370200, 370201, 370202, 370203, 370204, 370205, 370208, 370209, 370210, 370215, 370217, 370220, 370221, 370224, 370225, 370230, 370231, 370232, 370239, 370241, 370242, 370243, 370245, 370246, 370249, 370250, 370251
TSCAP and admittance spectroscopy of defects induced by gamma rays in GaP. 370148

Urpin, V.A.
Induction magnetic field generation in a binary system. 369063

Urquhart, A.W.
Components made of corrosion-resistent zirconium alloy and method for its production. (German (F.R.) patent document 2626941/A/) 354465

Ursu, D.
Double inlet system with viscous gas flow for high precision mass spectrometric analysis of small isotopic composition variations of carbon and oxygen. 358452

Ursu, I.
Feasibility study for the safeguards use of NMR methods for the isotopic assay of U-235 in UF_6 streams with different enrichments. (IAEA-R – 1121-F) 375377
Nondestructive burn-up verification of EK-10 fuel, by Ge(Li) gamma-ray spectrometry. 379406

Urtasun, R.C.
Application in radiation therapy of substances which modify cellular radiation response. 357592

Urusov, N.V.
Solid phase joints between corundum single crystal and titanium. 351698

Urusova, A.Y.
The state of trivalent chromium trace amounts in solution. 351604

Urusovskij, I.A.
On "harmonic" solutions of the Einstein equations. 374593

Uryadnitskaya, T.I.
Frequency of chromosomal aberrations in rat myelocaryocytes during long-term repeated irradiation. 376114

Uryson, A.V.
Simulation of nuclear cascades in atmosphere. 361692

Urza, I.J.
Laboratory and pilot-plant studies on the conversion of uranyl nitrate hexahydrate to UF_6 by fluidized-bed processes. (ORNL/TM – 5913) 359862

Us, T.V.
On synergetic effects in extraction of uranyl salts by the mixtures of di-2-ethylhexylphosphoric acid with tributylphosphate and di-n-octylsulfoxide. 354410

Usacev, S.
Comparison of high-sensitivity gamma spectrometric methods used in activation analysis. (INIS-mf – 4143) 374305
Utilization of cosmogenic radionuclides in meteorites for the study of history of cosmic rays. 377660

Usachenko, V.S.
Extraction-chromatographic method for indium separation from silver and cadmium. 357097

Usachev, A.V.
Studying phase transformations in $CsSrCl_3$ by EPR method. (INIS-mf – 3955) 377303

Usachev, L.N.
Activities on nuclear data preparation for reactors and other applications. (INIS-mf – 4043) 360782
Adjustment of evaluated microscopic data on the basis of evaluated integral experiments. (INDC(CCP) – 109/U) 358047
Adjustment of group constants according to evaluated integral measurements and recent versions of evaluated nuclear microscopic data. (INIS-mf – 4043) 363493
Comparative evaluation of group constants from UKNDL and the BNAB-70 system. (INIS-mf – 4043) 360759
Optimization of critical assembly composition. (INIS-mf – 4043) 363492

Usami, Akira
Effect of the defect clusters on the mobility in neutron-irradiated p-type silicon. 361477

Usami, Masahisa
Noninvasive detection of regional myocardial perfusion abnormality with ^{201}Tl and ^{81}Rb. 349863

Usanov, V.I.
BN-350 reactor shielding studies. 368195

Usatenko, Y.I.
Amperometric titration of mercury by a unithiol solution. (KFK-tr – 530) 351581

Usatov, Eh.P.
Hydrogenation and embrittlement of low-alloy steel under neutron irradiation in contact with water. 370125

Uschersohn, J.
Possible qualitative features of heavy particle production in a cluster model. (JINR-D – 1,2-9342) 356421
Single particle distributions in the dual unitarity scheme. 366834

Useda, Y.
New resonances in the linear chiral SU(4) x SU(4) model. (IC – 76-97) 361321

Usenkov, V.N.
Device for separate radiometric determination of concentrations of radioactive elements. (Soviet patent document 307696/A/) 356986

Ushakov, A.I.
The relation between changes in lattice parameters and magnetic moment of iron-nickel alloys. 349551

Ushakov, P.A.
About some effects on the coolant temperature field in fuel assemblies with wire spacers. (FEI – 624) 350271
Averaged characteristics of an air turbulent flow in the entrance region of a circular tube. (FEI – 599) 349981
Azimuthal non-uniformities of temperature of fuel elements arranged in regular lattices for turbulent liquid metal flow. 376319
New formula for velocity profile in turbulent liquid flow in circular tubes. (FEI – 561) 349984

Ushakov, V.G.
Two-channel dissociation $H_2 + H = H + H + H$. 377092

Ushakov, Yu.A.
Generation cross-sections of characteristic x radiation of atoms while bombarding by nitrogen ions. (INIS-mf – 3915) 348676

Ushakov, Yu.V.
System of Na_2SO_4-$(NH_4)_2SO_4$-Cs_2SO_4-H_2O at 0 deg. 369719

Ushakova, I.M.
Thermochemical study of monoclinic phase of ZrO_2. 359638

Ushakova, T.M.
Alkylalumoxanes as cocatalysts of ethylene polymerization. 375513

Ushakova, T.V.
Theory of extraction of alkali metal halides from concentrated aqueous solutions by alcohols. 349250

Ushankin, Yu.V.
Advanced method for determining the activation energy of relaxation processes in a solid body. 373232

Usher, E.F.
CEGB experience of public communication. 371326

Usher, J.
Wet steam turbines for nuclear generating stations -design and operating experience. 352482

Usher, J.L.
Magnet system for catalyzed D-D and D-^{3}He reactors. (EPRI-ER – 536-SR) 372071
Magnet system for catalyzed D-D and D-He^3 reactors. (BNL – 23083) 364259

Usher, M.
Comparison of /sup 99m/Tc methylene diphosphonate with /sup 99m/Tc pyrophosphate in the detection of acute myocardial infarction: concise communication. 352127

Ushkalova, N.N.
Density, molar volumes and electric conductivity of molten molybdates and tungstates of alkali metals. (INIS-mf – 4193) 375574

Ushkov, S.S.
Comparison of creep-rupture properties of α- and α+β titanium alloys below the chloride layer in the 200-380 deg C range. 349470

Ushkov, V.L.
Specific features of the NEhM-300 electromagnetic pumps operation in the IFVE proton synchrotron vacuum system. 357931

Ushpalis, K.K.
Investigation of oscillator strengths for 3dsup(N)→3dsup(N)4s dipole transitions in the single-ionized atoms of the iron group. 377062

Usikov, D.A.
Measurement of neutron importance by a dynamic method. 376408
Statistical criteria of accuracy for numerical methods of linear equation system solutions. (FEI – 629) 363738
To the problem on dispersion of an estimate of perturbations with the Monte Carlo method. (FEI – 656) 358614

Usmanov, Kh.U.
Effect of radioactive irradiation and subsequent storage on supermolecular structure and some properties of cotton cellulose. 359797

Usmanov, M.G.
On the efficiency of pulsed neutron-neutron logging in perforated sandstone reservoirs. 354681

Usmanov, R.M.
Comparative study on subunits of 7S globulin from cotton seeds. 349731

Usmanov, R.R.
Device to stabilize the transfer coefficient of a scintillation detector. (Soviet patent document 486291/A/) 355560
Double magnetic-lens beta spectrometer for lifetime measurements of nucleus excited states. (JINR-R – 13-9516) 355491

Usmanov, T.M.
On the structure of the longitudinal rapidity inclusive distribution in the 20-200 GeV range. 369347

Usmanov, Z.I.
Effect of anisotropy of spin-hamiltonian parameters upon EPR spectra of Cr(5) and Mo(5) complexes. 361445

Usmanova, M.M.
Determination of boron in natural waters using neutron-activation method. 364928
Determination of gold in the production wastes from the reaction (γ,γ') in nuclear reactor. 356978

Usmanova, N.A
Four-prong π⁻p interactions with π^0 production. Pt. 2. Cross section determination by statistical method; study on characteristics of proton and neutron production. (JINR-R – 1-8793) 364460

Usol'tsev, V.I.
Hygienic features of working conditions prevailing in X-ray cabinets. 349887

Usov, P.M.
Capacity of double electric layer of antimony and its alloys with

lanthanum in molten halogenides. (INIS-mf – 4189) 375593
Usov, V.G.
System for SHF plasma heating in the "T-10M" facility. (INIS-mf – 3954) 361485
Usov, V.V.
The β Persei – X-ray source of a new type. 361729
Intense bursts of cosmic gamma radiation. 349023
On nature of emitting particles and electromagnetic field in the Crab nebula. 374976
Usov, Yu.P.
Flight range spectrometer for multicharged ions. 376687
Interaction between high-current relativistic electron beam and an interface. 376360
Multichannel commutator for nanosecond generators. 363621
Pulse voltage generator with 135 kJ energy storage for the "TONUS ZM" accelerator. 370772
Sectioned Faraday cup. 376653
Study on the possibility of an experimental detection of the $\gamma + \gamma \rightarrow e+$-reaction by high current electron accelerator. 349968
Ussik, P.A
Gamma guanta families from a dense target and their inter. 361662
Ustalov, V.V.
Investigation of the transparency of the wave barrier for electron plasma waves in a magnetoactive plasma. 348937
Ustalova, O.N.
Section of Bi_2O_3-$CdGeO_3$ in Bi_2O_3-CdO-GeO_2 system. 351511
Ustimenko, B.Yu.
The interpulse radio emission of the pulsar PSR 1919+21 at the frequencies 16.7-38 MHz. 366674
Ustimenko, V.A.
Measuring the bimetal plates sagging under high-temperature heating. 358020
Ustinov, L.M.
Conditions for producing tensile adhesion of reinforcing fibers to matrix in plasma semi-products of composite materials. 365127
Ustinov, O.A.
Behaviour of microimpurities of ruthenium, cesium and cerium during crystallization of uranium dioxide from UO_2-MoO_3-Na_2MoO_4 melt. 369767
Ustinov, V.B.
Observation of NMR signals on V^{51} nuclei in Fe-V films. 361479
Ustinova, V.G.
On peculiarities of using cathodes on tungsten-rhenium alloy base in vacuum luminescent low-voltage indicators. 349461
Ustinovshchikov, Yu.I.
Electron microscopy study of the structure of electrodeposited iron-nickel alloys. 349519
Ustroev, G.I.
Collimation of neutron beam in experiments on measuring of partial cross sections with isotope microamounts. (IAE – 2470) 350320
Production of mecanical vibrations of speciment by mass O.1-1 kg at a speed of 100-200 m/s. (IAE – 2626) 350321
Ustsov, V.A.
Case for a manipulator. (Soviet patent document 445568/A/) 355025
Ustyugov, E.V.
Cathode processes during gadolinium deposition from chloride melts on solid and liquid electrodes. (INIS-mf – 4189) 375485
Ustyugova, N.A.
Thermodynamic analysis of solid-phase reactions in the PbO-La_2O_3-ZrO_2-TiO_2 system. 370093
Usui, Ryu
Clinical effect of Cystenosine on leukocytopenia at the time of therapy with radiation and antineoplastic agents. 362706
Usui, Tunemaru
Superfluid film of helium near the lambda-point. 353728
Utamura, Motoaki
Detection method of a failed fuel. 360908
Utegaard, J.H.
Training of personnel to design and construct nuclear power plants. 352618
Utkin, V.I.
Gamma-gamma micrologging. 354682
Methods of interpreting the selective gamma-gamma logging data in exploration of thin coal interlayers and rock ribs in coal beds. 360171
On the accuracy of analog data registering in gamma-gamma logging. 360172
A potential method for determining the composition of fluids in oil wells. 376022
Technique for stabilization of a scintillation gamma spectrometer. (Soviet patent document 393706/A/) 376659
Utkin, V.T.
Controlled rolling of profiles. 375757
Utley, J.
Effect of pelvic inflammatory disease on enteric complications following radiation therapy for cervical cancer. 362711
Uto, H.
J/psi production and high-mass electron-pair limit in pp collisions at square-roots = 52 GeV. 364461
Utrobin, V.P.
On the brightness curves of 2. type supernovae. 374919
Utrobina, I.K.
Ultrasonic effect on the austenite subgrain disorientation and fatigue strength of the steel-1Kh18N10T. (INIS-mf – 3914) 349428
Utsunomiya, T.
Rare earth arsenides: the metal-rich europium arsenides. 378743
Utsuro, M.
On quasi-elastic scattering of slow neutrons in molecular liquids. 358905
Utsuro, Masahiko
Pulsed cold neutron source of solid methylbenzene. 354018
Utton, D.B.
Thermodynamics of helium in the rotating frame between 3.0 and 6.0 K. 364444
Uvarov, A.I.
Effect of austenite stability on mechanical properties of alloys strengthened by thermo-mechanical treatment and aging. 373280
Strengthening of the aging austenitic 33N25Yu3F steel. 370064
Uvarov, L.N.
Detection unit of two-channel flaw detector. (Soviet patent document 428326/A/) 370697
Uvarov, V.A.
Λ and anti Λ production in K^+p interactions at 32 GeV/c. 372512
Uvarov, V.I.
Sensitivity variation of self-powered neutron detectors with silver emitters during long-term operation in nuclear reactors. 376753
Uvarova, I.V.
Reduction of oxide mixtures for permalloy-type alloys. 349252
Uyama, Ichiro
Balloon observations of infrared surface brightness of our galaxy. 348999
Uysal, H.
Accumulation and distribution of trace metals and radionuclides in marine organisms (particularly Tapes decussatus L.) in the Izmir bay area, Turkey. 379172
Uzan, R.
Adsorption, diffusion and self-diffusion on tungsten surfaces with adsorbed palladium. 378718
Uzhva, V.I.
Anisotropy of conductivity of indium antimonide in a strong electric field. 374697
Uzhva, V.Yi.
Independence of indium antimonide in a transverse magnetic field. 377182
Uzureau, J.
Evidence for a rotational band in ^{24}Mg and its fragmentation: A rotation-vibration coupling. 372730
First levels of a S^{32} nucleus observed in the $^{31}P(d,n)$ S^{32} reaction. (INIS-mf – 3896) 356908
V'yugov, P.N.
The nature of zirconium plastic deformation. Part 2. (KFTI – 76-51) 375845
Vaaben, J.
Charge transfer in C^{6+}-H(1s) collisions at low velocity. 350690
Vaagen, J.S.
Deformed-quasiparticle basis for calculating potential energy surfaces and nuclear spectra. 364698
Quadrupole transfer strength studied through heavy-ion induced two-neutron transfer between the shape transitional nuclei ^{190} ^{192}Os. 359489
Vaalburg, W.
^{11}C-labelled DOPA for detection of cerebral dopaminergic structures. (INIS-mf – 4010) 357618
Comparison of ^{133}Xe and $^{13}N_2$ ventilation studies. (INIS-mf – 4010) 370409
A duel head Anger camera system for the imaging of positron emitting radionuclides. (INIS-mf – 4010) 358387
Rapid synthesis and purification of carbon-11 labelled DOPA: a potential agent for brain studies. 375655
Vacchi, A.
On the initial population of the 2S metastable state in muonic hydrogen and deuterium. 359232
Vacek, M.
Comparison of radiation damage of four steels for light-water reactor pressure vessels. 349608
The effect of copper and vanadium on the radiation embrittlement and hardening of chromium-molybdenum steel for reactor pressure vessels. (UJV – 3434-M) 349607
Radiation embrittlement and hardening of A 533-B type steel. (UJV – 3435-M) 349606
Surveillance programmes prepared and carried out during production and exploitation of the A-1 nuclear reactor pressure vessel. (IAEA – 202) 376537
Vacek, R.
Application of track detectors in the national personnel neutron dosimetry service. 379352
Vaclavik, J.
Dynamics of coupled solitons. 364162
On the stability of C-solitons. 366497
Vadchenko, S.G.
Study of nitriding of zirconium and niobium wires. 359998
Vadeev, V.P.
Cryogenic source of polarized hydrogen and deuterium atoms. 370735
Fast vacuum lock. (JINR-R – 9-10836) 367958
The use of electron beam ion source 'KRION-1' to accelerate C, N, O and Ne at the JINR synchrophasotron. (JINR-R – 7-10823) 379517
Vader, H.L.
Materials, methods and quality control, ch. 3. (INIS-mf – 4217) 379201
On standardizing the determination of the plasma renin activity. ch. 7. (INIS-mf – 4217) 379203
Practical aspects of the determination of the plasma renin activity, ch. 4. (INIS-mf – 4217) 379202
Radioimmunoassay data processing, ch. 2. (INIS-mf – 4217) 380112

Vader, R.J.
A new Dee voltage stabilization circuit for the cyclotron. (INIS-mf – 4267) 379518
Vaessen, G.
Mechanical and X-ray elastic constants of porous Cu-W sintered materials. 354517
Vaeth, L.
Reactor safety, instrumentation and environmental effects. (KFK – 1277/2) 370622
Vagabova, M.Eh.
Molecular mechanisms of stimulating action of an ionizing radiation on seeds. 367474
Vaganov, A.B.
Polarized electrons emitting from ferromagnetics. 374781
Vaganov, P.A.
Rare-earth elements in calcites of carbonates of Turij peninsula (from the neutron activation analysis data). 349157
Study of standards of magmatic rocks by instrumental neutron activation analysis using gamma spectroscopy of high resolution. (INIS-mf – 3994) 378096
Vager, Z.
Comparison of light- and heavy-ion emission from the $^{12}C + {}^{16}O$ system. 359529
The interactions of fast molecular-ion beams with matter. (INIS-mf – 3995) 377191
A study of the break-up of fast OH^- ions passing through. (WIS-PH – 77/45) 364622
Study of the breakup of fast OH^- ions passing carbon foils and nitrogen gas. 363885
Vagh, A.S.
A proposed new and quick method for measuring surface tension of liquid helium. 374782
Vagin, M.F.
Investigation into radiation-catalytic alkylation of benzene under pressure. 373078
Vagner, K.-U.
Large-scale longitudinal intrusion of auroral electrons. 376053
Vaguine, V.A.
Standing wave high gradient accelerator structure. 367983
Vahala, G.
Turbulence theory for the dissipative trapped electron instability. (ORNL/TM – 5942) 350962
Wall stabilization in a collisionless bumpy theta-pinch. 366648
Vahala, L.
Wall stabilization in a collisionless bumpy theta-pinch. 366648
Vahaviolos, S.J.
Test method and equipment for welded seams. (German (F.R.) patent document 2636857/A/) 360753
Vahedi, N.
Calculation of pion form factor. (IC – 75-135) 361859
Vahrenkamp, H.
Polynuclear carbonyl-chalcogenides of rhenium. 364991
Vaiana, G.S.
Determination of plasma parameters from soft x-ray images for coronal holes (open magnetic field configurations) and coronal large-scale structures (extended closed-field configurations). 359125
Hydrostatic and dynamic models of solar coronal holes. 351071
Survey of soft X-ray limb flare images: the relation between their structure in the corona and other physical parameters. 351064
Vaidyanathan, K.V.
Electrical profiling and optical activation studies of Be-implanted GaAs. 351898
Vaidyanathan, R.
Gamma ray streaming through annular cylindrical duct. 361936
Neutron transport studies in fast reactor shields. 363532
Vaidyanathan, S.
Preparation and use of a plutonium nitrate solution working standard. (BARC – 919) 372936
Quasi-periodic fluctuations in electron content during a partial solar eclipse. 366769
Vaidyaraman, P.P.
Sediment transport in the coastal environment – a case study of Marmugoa Harbour. 370284
Vaillant, M.
Fault trees based on past accidents. Factorial analysis of events. (AED-Conf – 77-312-001) 365724
Vainshtein, A.I.
Naive quark model and deep inelastic scattering. 359303
Remarks on the electromagnetic form factors of hadrons in the quark model. 377772
Strong-interaction effects on the K/sub L/ → 2μ decay and K/sub L/-K/sub S/ mass difference. A reply. 351186
Vainshtejn, I.B.
Devices for reducing subsidiary time and danger when performing operation on steel radiography. 367889
Vainstein, A.I.
On the $K^+ \rightarrow \pi^+e^+e^-$ decay. (ITEP – 98) 349075
Vaisberg, O.L.
Viscous flow in the near-Venusian plasma wake. 351067
Vaishnava, P.P.
Infrared absorption spectra of samarium mono-, di-, and tri-glycolates. 374643
Vaishnene, L.A.
Fission of medium mass nuclei induced by 1 GeV protons. (ZfK – 336) 364735
Vajda, P.
Recovery of low-temperature electron-irradiated lutetium. 354607
Vajdic, J.C.
Control system modeling of a centrifuge. (BDX – 613-1950) 374024
Vajgachev, A.A.
Optimum characteristics of a propotional counter for a detection of the cosmic X -ray radiation from 2 to 25 keV. 361062
Radiation loading effect on characteristics of proportional counters. 361097
Vajnberg, V.M.
Study on a possibility of accelerating polarized protons in the ITEP proton synchrotron. (ITEF – 101) 376386
Vajner, B.V.
Observational consequences of evaporation of small-mass primary black holes. 369223
Vajner, V.S.
EPR detection of non-cubic phase in pure yttrium oxide. 374783
Vajnshtejn, A.N.
Nonleptonic decays of K mesons and hyperons. 375050
Vajnshtejn, B.I.
Prospects for application of electron accelerators in the processes of vapor phase radiation-chemical synthesis. (INIS-mf – 4194) 379417
Radiation chemical synthesis of naphythyl-chlorosilanes. 369810
Vajnshtejn, D.I.
Pulsed variation of the temperature of the dipole-dipole interaction resevoir in double nuclear-nuclear resonance. 368875
Vajsberg, O.L.
Bow shock and α component in the transition region, from measurements on the high-latitude satellite Prognoz. 349035
Characteristics of the proton and alpha solar wind components after the passing of interplanetary shock waves by observations on the "Prognoz" satellite in May, 15 and 30, 1972. 377669
Device for measuring charged particles fluxes. (Soviet patent document 351465/A/) 377591
Measurements of the proton and α component of plasma by the Prognoz satellite during high solar activity. 349032
On some problems of study on solar wind on the "Prognoz" satellites. 376660
Some data about near-earth shock wave structure, obtained by measuring alpha-particles at "Prognoz" satellite. 349676
Vajsburd, D.I.
Maximum energy density in a proton track. 348853
Measurement of ionization density distribution over dielectric material depth in case of pulsed irradiation with an electron beam. 357880
Vajsenberg, A.I.
Method for preparation of niobium compounds. (Soviet patent document 391807/A/) 375594
On the interaction of vaporous chlorides of niobium and tantalum with water vapors. 351574
Vajsenberg, A.O.
Determination of relative probabilities of the Ksub(μ2)sup(+), Ksub(π2)sup(+), Ksub(μ3)sup(+) and Ksub(e3)sup(+) decays using a magnetic spectrometer with streamer chambers. (ITEF – 28) 361902
Vajsfel'd, M.I.
LiCl(NaCl)-$CeCl_3$-H_2O systems at 25 deg C. 375595
Vajshnene, L.A.
Technique for measurement of relative cross sections of nuclear fission. (LIYF – 171) 379943
Vajshnis, P.P.
sup(177)Os and sup(179)Os decay. 377971
Vajtkus, Yu.
Luminescence of Znsub(x)Cdsub(x-1)Te on the absorption edge at high excitation. 371557
On spectra of two-photon absorption in Znsub(0.1)Cdsub(0.9)S mixed monocrystals. 371558
Photoconductivity of CdP_2 single crystals excited by ruby and neodymium lasers. 365006
Radiation of electron-hole plasma in GaSe monocrystals. 377158
Vajvads, Ya.K.
Use of fast neutron activation analysis for determination of elemental composition of titanium and vanadium phosphates. (INIS-mf – 4188) 375378
Vakatov, V.I.
Angular correlation method for measurement of characteristics of heavy ion reaction products. (JINR-R – 7-10671) 376669
Vakhabov, A.
Resistance of cotton radiomutants and their initial forms to low positive temperatures. 362676
Vakher, Yu.I.
Dependence of the activity of the lactate dehydrogenase in the blood plasma of mice on the functional activity of the intact thyroid and an irradiated thyroid. (INIS-mf – 3912) 373530
Gamma irradiation effect on the activity of alkaline and acid phosphates in the blood plasma of mice and its modifications due to changes in the thyroid activity. (INIS-mf – 3912) 373552
Vakhidov, N.
Effect of radioactive irradiation and subsequent storage on supermolecular structure and some properties of cotton cellulose. 359797
Vakhidov, Sh.A.
Gamma- and thermoluminescence spectra of artificial diamonds doped by impurities. 349309
Radioactive effects in quartz. 371695
Vakhmamyan, A.P.
Effect of magnetic anisotropy on temperature dependence of magnetization of some compounds of the RCo_5 type. 349458
Vakhobov, A.V.
Plotting of Sr-Al-Si and Ba-Al-Si phase diagrams using simplex planning. 357339
Sr-Y phase diagram. 375864

Vakhrameev, V.I.
Spectral luminescent investigation of fluorophosphate glasses activated by rare earths. 378313
Vakhrushin, Yu. P.
Measurement of beam losses and nonuniformity of electroconducting coating of an acceleration tube of an induction linear accelerator. 370739
Vakhtel', V.M.
Gas-thermochromatographic method for astatine separation. Relative yield of astatine isotopes from uranium. 378495
Vakhtin, A.G.
The study of radiation swelling in zirconium-hydrogen system. 378812
Vakilian, M.
Utilization of Tavanir conventional power plants for training technical staff for Iran's future nuclear power plants. 352619
Vaknin, S.
Nuclear fuel research and development – influence of various manufacturing parameters on some characteristics of UO_2 powders and their sintering behaviour. (INIS-mf – 4052) 368039
Vaknine, R.
Investigation and application of pattern recognition techniques to medical picture data (scintigrams). 376231
Vaks, E.A.
Radiation chemical synthesis of naphythyl-chlorosilanes. 369810
Vakul'skaya, T.I.
Thermal breakdown of polyacrolein prepared in presence of boron trifluoride etherate. 349196
Vakulov, P.V.
Energetic electron dynamics of the Earth radiation belts during magnetic storms. 357550
Spectral-time analysis of modulation of poured out electrons and VLF-radiation on data obtained by the Interkosmos-5 satellite. 376046
Vakulovskij, S.M.
On the necessity for evaluation of the limits of radioactive waste disposal into water systems of international importance. 368394
Val'dman, O.A.
Wettability of yttrium oxide with metallic melts. 351848
Val'skij, G.V.
On production of spontaneously fissile isomer of sup(242m)Am in thermal neutron capture reaction. (INIS-mf – 3896) 356909
On yields of light particles in nuclei ternary fission. 349125
Val'ter, Kh.
On study of two-particle inclusive reactions in the K^-p interactiors at 32 GeV/c. (IFVE-M – 24) 349088
Val'ter, S.N.
Interferon effect on radiosensitivity of cells. 360237
Val'tsev, V.K.
Basic benzoates and picolinates of rare earths. 375458
Vala, A.P.
The Slater parameters and energy of the 3d-4s excitation for the free 3dsup(N) ions and 3dsup(N) ions in crystals. 377137
Valasek, J.
Application of ^{75}Se γ-γ coincidences instrumental determination of selenium. (INIS-mf – 4143) 372938
Valathur, M.
Torsional seismic response of symmetrical structures. 379309
Valbusa, U.
Elastic and inelastic scattering of ^{20}Ne and ^{22}Ne from a (001) surface of lithium fluoride. 368890
Valby, G.F.
Gamma scan measurements at Zion Station Unit 2 following Cycle 1. Final report. (EPRI-NP – 509) 379661
Valby, L.E.
Cryopump, neutral-beam compatibility test. (LBL – 5943) 377348
Valderrama-N, J.
Vapor pressure and dissociation energy of (In_2O). 362220
Valeanu, M.
Molecular field coefficients in rare-earth – 3d transition metal composition. 362380
Molecular field coefficients in rare-earth-3d transition metal compounds. 355968
Valeev, Z.I.
Deposition of high temperature metals from molten salts. (INIS-mf – 4189) 375410
Valen, R.Zh.
High-spin energy states of ^{233}U. 377973
Valencich, T.
Simulation of the effects of translational and vibrational energy on H and D atom reactions with HCl and DCl. 365004
Valenduc, G.
Measurement and MIA analysis of the neutron differential cross section and polarization in the α-D break-up at 33 MeV c.m. 354230
Neutron beam facility at the Louvain-la-Neuve isochronous cyclotron; cross sections for fast neutron production. 379484
Valent, G.
Gauge invariant frequency splitting of the continuum Yang-Mills field. 353122
Valenta, M.
Hot laboratory of the Boris Kidric Institute of Nuclear Sciences. 360664
Valenta, V.
Data for absorbed dose calculations for external sources and for emitters within the body. (ZJE – 189) 379338
Some discussions on micrometeorology and atmospheric diffusion of classic and radioactive industrial pollutions. 4. (ZJE – 203) 349687
Valente, V.
Electron-positron bremsstrahlung at ADONE. A new limit for the existence of a heavy electron. 361767
Valenti, G.
Search for fractionally charged particles produced in proton-proton collisions at the highest ISR energy. 361873
Valentijn, E.A.
Westerbork surveys of radio sources at 610 and 1415 MHz. 366780
Valentin, A.
Scope and assignments of a consultant in the selection and construction of a nuclear power plant. Application to a project in Turkey. 371328
Valentin, J.E.C.
Nuclear reactor feed pumps profit from fossil-plant experience. 368145
Valentine, J.H.
Development of a fluidized-bed calciner and past-treatment processes for solidification of commercial fuel-reprocessing liquid wastes. (ICP – 1136) 380023
Valentine, J.R.
$^{238}U(n,f)$ measurements below 100 keV. 356885
Valentine, K.H.
Concepts of remote signal transmission for liquid-metal fast breeder reactors. (CONF-771109 – 52) 379751
Valentine, N.A.
Classical collisions of protons with hydrogen atoms. 371462
Valentini, J.J.
Crossed molecular beam study of the translational energy dependence of $Cl + Br_2 \rightarrow BrCl + Br$ reaction. 368713
Valesky, A.
Struma maligna after X-ray irradiation of the neck. 352057
Valet, G.
Changes of protein metabolism after X-irradiation. Pt. 3. 367517
Valette, L.
Nuclear reactor with a charge of spherical fuel elements. (German (F.R.) patent document 1764922/C/) 355443
Refuelling system for a nuclear reactor with a reactor core exhibiting a pebble bed of spherical fuel elements. (German (F.R.) patent document 1764924/B/) 352703
Refuelling system for a nuclear reactor with a reactor core showing (presenting) a pebble bed of spherical fuel elements. (German (F.R.) patent document 1764924/C/) 365954
Valevich, A.I.
Cryogenic source of polarized hydrogen and deuterium atoms. 370735
Valiev, B.S.
Determination of conditions of gadolinium precipitation by arsenate ions. 359570
Quantitative chemical analysis of gadolinium and scandium. 375354
Valiev, L.M.
Hall effect in $CoCr_2Te_4$. 370065
Valigi, M.
The activity of Cr^{2+} and Cr^{3+} ions dispersed in magnesium oxide for the hydrogen-deuterium equilibration reaction. 367086
Valiron, P.
Model potential calculations of akali rare-gas interaction. 353376
Model potential calculations of alkali rare-gas interaction. 377138
Valitova, N.R.
Study of p-T-x-phase diagram of BiI_3-Bi_2Te_3 system. 357073
Valkar, S.
Study of inclusive processes with propane bubble chamber. 366896
Valkar, Sh.
Spectra of protons emitted backwards in the interaction of 5 GeV/c π-mesons with C nuclei. (JINR-R – 1-8977) 364567
Valkarova, A.
Charge asymmetry at large psub(T) in inelastic anti pp reactions at 22.4 GeV/c. 353943
Ludmila – a two-meter hydrogen bubble chamber. 368304
Multiplicities and forward-backward correlations in anti pp interactions at 22.4 GeV/c. 366882
Valkema, A.J.
First clinical exoerience with ^{131}I-Triolein and ^{75}Se-triether to estimate intestinal fat absorption from single fecal specimens. (INIS-mf – 4010) 367578
Vall, A.N.
Combined description of $\pi\pi \rightarrow \pi\pi$ and $\pi\pi \rightarrow K$ anti K processes. 375051
Vallabhajosula, S.R.
Quality control of technetium-labelled lung imaging agents. 373011
Vallario, E.J.
Radiation protection and shielding standards. (CONF-770401 – 25) 357834
Vallauri, R.
Two-body collision induced light scattering comparison between a memory function approach and molecular dynamics experiments. 371461
Valle, J.W.F.
A geometrical approach to free-field quantization. (PUC-TN – 12/77) 350550
Vallee, O.
Temperature measurement of heavy particles in an argon plasma jet under pressure. 353620
Vallega, V.
Strategies to be used in the struggle between resistance and virulence genes. 373755
Vallerand, P.
Study of the advantage and drawback of using Cs^+ primary ion beam on metal targets. 369578

Valles-Abarca, J.A.
Sputtering model using Monte-Carlo method for escape analysis. 368755
Vallet, S.
The reaction anti pp→anti ΛΛ between 1.5 and 2.0 GeV/c. 377808
Valley, J.-F.
Model of organ dose combination. 355054
Vallier, J.C.
Superfluid helium bath for superconducting magnets. 360635
Vallieres, B.J.
Technetium-99m glucoheptonate in brain-tumor detection: an important advance in radiotracer techniques. 373667
Vallieres, M.
Two-body surface correlations in ^{18}O. 354070
Valls, O.T.
Transport coefficients of superfluid ^3He. 372346
Valluri, S.R.
Gravitons in Minkowski space-time. Interactions and results of astrophysical interest. 353130
Valuev, N.P.
Absorption scattering method for the determination of the depth of honeycomb bubbles in a continuously cast ingot of rimming steel. 363091
Valuev, Yu.M.
Controlled microsecond delay line for logic nanosecond signals. 357924
Valueva, Z.P.
Sigma-methylcyclopentadienyl tricarbonyl manganese complexes of transition metals. 375526
Valvoda, Z.
Development of nuclear power in Iran. 371258
International cooperation in uranium prospecting and mining. 370267
Soviet supplies of enriched uranium to capitalist countries. 368454
Survey of economics of spent nuclear fuel reprocessing. 380096
Valyashko, E.G.
Eu^{2+} spectra in $KMgF_3$ and $NaMgF_3$ crystals. 375596
Investigation of Zeeman effect in $NaMgF_3$-Eu^{+2} and $KMgF_3$-Eu^{2+} crystals. (INIS-mf – 3955) 377304
Spectra of Sm^{2+} in $KMgF_3$ and $NaMgF_3$ crystals. (INIS-mf – 3955) 378424
Vames, G.J.
Prototype vibration measurement results for B and W's 177-fuel assembly, two-loop plant. (BAW – 10039(Suppl.1)) 365898
Vampola, A.L.
Effects of localized sources on quiet time plasmasphere electron precipitation. 351976
Van Allen, J.A.
On the magnetospheres of Jupiter, Saturn, and Uranus. 369224
Van Alstine, P.W.
Relativistic two-body problem from singular actions. 361860
Van Andel, H.W.H.
Skin heating and confinement in a tokamak plasma. (INIS-mf – 3963) 371916
Van As, D.
Determination of safe radioactive releases to the atmosphere from the nuclear power site, Dynefontein. (INIS-mf – 4002) 355647
Environmental radioactivity at the National Nuclear Research Centre, Pelindaba 1976. (PEL – 256) 349925
Trace elements in the atmosphere over South Africa. (INIS-mf – 3005) 355109
Van Aswegen, A.
Bone marrow imaging with iron 59. 376143
Van Barneveld, A.A.
The action of sodium alginate in the food on a ^{85}Sr body-burden in mice. 370416
van Bekkum, D.W.
Appearance of the multipotential hemopoietic stem cell. 373553
van Beveren, E.
Confining potentials and regge poles. 359246
Van Brunt, R.J.
Angular dependence of proton kinetic-energy distributions from dissociative ionization of H_2 . 358847
Van Cott, L.R.
How to get your highest return on investment before power production. 358171
Van Dalen, G.
Further evidence for production of electrons with small transverse momenta in pp collisions. 377784
Van Dam, J.
Pre-therapeutic radiobiological experiments performed at Cyclone with d(50)-Be neutrons. Comparison of RBE/absorbed dose relationships obtained for several biological criteria. 379047
Van de Merwe, W.P.
Very high cooling power adsorption cryostats for temperatures below 0.7 K. 360623
van de Poll, M.A.P.C.
Tumor detection with radio-labelled bleomycin, a clinical and animal study. (INIS-mf – 4010) 357650
van de Vate, J.F.
Deposition of aerosols formed by HCDA due to decay heat transport in LMFBR inner containment atmospheres. (CONF-761001 – P4) 363033
van den Andel, J.
Ultrasonic inspection of end cap welds in thin walled fuel elements. 374234
van den Berg, L.
Recent improvements in HgI_2 detectors. (EGG – 1183-2362) 374364
van den Berg, M.
Oscillator technique to determine the thermal contact conductance between fuel and cladding in an operating nuclear fuel rod. 373264
Van den Bossche, Maurice
Extracted-beam-detection system around synchrotron saturne. (CEA-R – 4857) 355166
Van Den Brenk, H.A.S.
Functional integrity and inflammatory reactions of exchange vessels and lymphatics in X-irradiated tissues. 370374
van den Damme, R.
Implementation of nuclear power: the Belgian experience. 352620
van den Engh, G.
Physical separation of the cycling and noncycling compartments of murine hemopoietic stem cells. 370376
van den Heuvel, E.P.J.
Correlation between hardness and pulsation in galactic X-ray sources. 359122
Mass determination for the x-ray binary system Vela X-1 (= 3U 0900-40). (CONF-7510169 –) 364418
van der Kuur, J.H.
Hydrogen pickup by zirconium alloys during abrasive cutting. 362312
Van der Linde, H.J.
Radiation chemistry. (INIS-mf – 4203) 375721
Van der Merwe, E.J.
Effective energy values of the 90 degree scattered photons during urological and bronchoscopic radiation studies. 355055
Van der Spuy, E.
Elementary particles and compound quarks. 366872
Fundamental quark, lepton correspondence and dynamics with weak decay interactions. (PER – 22) 351200
Van der Stok, P.
Method for increasing the multiturn injection efficiency in AG proton synchrotrons by means of skew quadrupoles. 363338
van der Stok, P.V.D.
Simple model for multiturn injection into A.G. proton synchrotrons. 363363
van der Walt, T.N.
Method to avoid losses of uranium at the interface between different eluting agents during anion exchange chromatography. 372930
Van der Westhuizen, H.J.
Disposal of radioactive waste. (INIS-mf – 4203) 376775
Van der Westhuizen, M.
Environmental applications of tracers. (INIS-mf – 4203) 376023
Van der Westhuizen, P.
Identification and life-time determination in Ar(2), Ar(3) and Ar(4) energy levels. 355927
Van Deventer, E.H.
Tritium processing and containment technology for fusion reactors. Annual report, July 1975 – June 1976. (ANL – 76-133) 358979
Van Dijk, J.W.E.
A quantitative radiochemical study of ionic and molecular transport in bovine dental enamel. 373587
Van Dilla, M.A.
Flow cytogenetics: progress toward chromosomal aberration detection. (UCRL – 79664) 360220
van Doorn, C.F.
Electronic properties of single-crystal uranium mononitride. 367306
Magnetic properties of single-crystal uranium mononitride. 367305
Van Doren, C.
Proliferation issues. 374506
van Doren, V.E.
Linear and nonlinear electron transport in solids. 375863
van Dyck, O.B.
Medium-energy physics program. Progress report, February 1 – April 30, 1977. (LA – 6938-PR) 367984
Van Dyck, R.S. Jr.
Proposed scheme to catch positrons in a Penning trap. 371159
van Eikeren, P.
Models for NADH coenzymes. Isotope effects in the N-benzyldihydronicotinamide/N-bensylnicotinamide salt transhydrogenation reaction. 378425
van Erp, J.B.
Unprotected loss-of-flow transients in large LMFBRs. (CONF-761001 – P3) 365618
Van Geel, J.
Substance including highly radioactive waste and method for its production. (German (F.R.) patent document 2524169/A/) 352856
van Gerven, H.C.A.
Hydrogarnets $Ba_3In_2(OH)_{12}$ and $Ba_3Sc_2(OH)_{12}$. 365224
Van Giai, N.
Microscopic description and excitation of unitary analog states. 372629
Particle-hole calculations of the isobaric analog and isovector monopole resonances. 377860
Van Ginneken, A.
Dimuon and trimuon final states in deep inelastic muon scattering. 359335
Van Goethem, G.
Eulerian finite element method for unsteady compressible flow problems. (CONF-761001 – P3) 365619
Van Grieken, R.E.
Analysis of x-ray spectra excited by x rays, electrons, and protons in monazite. 351322
Background aerosol composition in the Namib desert. (NPRU – 77/8) 354697
van Hal, H.A.M.
Hydrogarnets $Ba_3In_2(OH)_{12}$ and $Ba_3Sc_2(OH)_{12}$. 365224

Van Heek, K.H.
Technical scale gas generator for steam gasification of coal using nuclear heat. 368085
Test and development of heat exchanger alloys for nuclear steam gasification of coal. 360875
Van Heesch, E.J.M.
Plasma formation in the belt-shaped screw pinch SP IV. (INIS-mf – 3963) 372072
Van Hollebeke, M.A.I.
Observations of galactic cosmic-ray energy spectra between 1 and 9 AU. 359129
Van Hook, W.A.
^{13}C and sup(33,34)S isotope effects on the vapor pressure of liquid carbon disulfide. 364962
Condensed phase isotope effects, especially vapor pressure isotope effects: aqueous solutions. 351582
Van Hoosier, M.E.
Lines of H_2 in extreme-ultraviolet solar spectra. 359106
Van Horn, H.M.
Effects of differential rotation on the splitting of nonradial modes of stellar oscillation. 364333
Some properties of very low temperature, pure helium surface layers of degenerate dwarfs. 372128
Van Hove, E.D.
Improved myocardial infarct localization by combination of scintigraphy and ventricular wall motion evaluation. 362795
Van Isacker, P.
Magnetic moment of the J/sup π/+ isomeric level in ^{134}Te. 351289
van Nagell, J.R. Jr.
Effect of pelvic inflammatory disease on enteric complications following radiation therapy for cervical cancer. 362711
van Nieuwenhuizen, P.
Finiteness of SO(3) and SO(4) supergravity and nonrenormalizability of the scalar multiplet coupling in explicit one-loop examples. 359321
Superconformal unified field theory. 371392
Supergravity and the unification of the laws of physics. 376906
Van Nort, P.S.
Objectives and overview: the Clinch River Breeder Reactor Plant. 371014
Van Otterloo, R.W.
Risk analysis of the road transport of radioactive waste in the Netherlands. 352330
van Paradijs, J.A.
Mass determination for the x-ray binary system Vela X-1 (= 3U 0900-40). (CONF-7510169 –) 364418
Van Puymbroeck, S.
The action of sodium alginate in the food on a ^{85}Sr body-burden in mice. 370416
Van Reijen, G.
Examples of application and correlation studies for safety rules and standards in nuclear power plants, and related considerations. 352301
Van Turnhout, J.
Thermal stability of the piezoelectric effect in polar polymers. (INIS-mf – 4127) 364048
Van Voris, P.
Functional complexity and ecosystem stability: an experimental approach. (ORNL/TM – 6199) 378883
Radionuclide transfer in terrestrial animals. 370395
Van Vunakis, H.
Detection by radioimmunoassay of nicotinamide nucleotide analogues in tissues of rabbits injected with nicotine and cotinine. 360402
van Willigen, H.
$^{13}C – ^{13}C$ dipolar spectra in solids. 369720
Van Wyk, J.A.
Optical spin-polarisation in a triplet state in irradiated and annealed type Ib diamonds. 360107
van Wyngaarden, W.L.
Excitation of Be^+ by electron impact. (ORO – 4881-12) 368649
Van Zandt, J.E.
Proposed outline of safety analysis report for facilities for geologic isolation of radioactive wastes. (Y/OWI/SUB – 77/22320) 358539
van Zant, G.
Studies of erythroid inductive microenvironment in vitro. 370375
Van Zijl, N.A.
Contracting of nuclear power stations. 352621
Van Zwieten, P.A.
Kinetic behaviour of thallium in the rat. 354853
Van Zyl, W.H.
Bone marrow imaging with iron 59. 376143
Van'kov, A.A.
On the relation of nuclear data errors to calculation ones for the case of reactor parameter prediction. (INIS-mf – 4043) 363391
Vana, N.
Measurements of doses in the mrad range by means of LiF, CaF_2 and $CaSO_4$ dosemeters and determination of the nergy response of LiF and CaF_2. 355593
Vanag, V.K.
Study of dynamic characteristics of conformation non-equilibrium states of hemoglobin and its complexes by the radiolysis method. 375684
Vance, J.N.
Factoring operating experience into PWR radwaste systems design. 357750
Vance, W.H.
FLASH6: a FORTRAN IV computer program for reactor plant loss-of-coolant accident analysis (LWBR development program). (WAPD-TM – 1249(Add.1)) 363034
Vancea, I.
The analysis of solid surfaces by secondary ion mass spectrometry. 379996
Double inlet system with viscous gas flow for high precision mass spectrometric analysis of small isotopic composition variations of carbon and oxygen. 358452
Vanchikov, V.V.
NMR frequencies for Fe^{57} nuclei in the range of spin reorientation in crystals of mixed composition orthoferrites. 374784
Vandecasteele, C.
Activation analysis with cyclotron-produced fast neutrons. 356983
The determination of nitrogen in tantalum by proton activation analysis. 369575
Vandenberg, C.
Analysis of transients in a LWR core with a simple model (CARREAU code). 370890
Performance and reliability of light-water reactor fuel. 365996
Vandenberg, D.A.
Theoretical isochrones with decreasing gravitational constant. 359179
Vandenberg, J.M.
Clustering hypothesis of some high-temperature superconductors. 373281
Vandenbosch, R.
$^{12}C + ^{18}O \rightarrow ^{8}Be + ^{22}Ne$ reaction. (RLO/1388 – 362) 372707
Angular-momentum transfer in deeply inelastic scattering of 610-MeV ^{86}Kr by ^{209}Bi. 351344
Back-angle anomalies in ^{6}Li scattering from ^{40}Ca and ^{44}Ca. 359461
Elastic scattering of ^{16}O by ^{14}C. (RLO/1388 – 362) 372705
Energy dependence of energy loss in the interactions of ^{86}Kr with ^{139}La. (RLO/1388 – 362) 372741
Observation of gross structures in the gamma ray yields following the $^{16}O + ^{12}C$ reaction. (RLO/1388 – 362) 372706
Vander Sande, J.B.
A study of the crystallization of two non-crystalline Cu-Zr alloys. 369945
Vander Sluis, K.
Status of the USA program on the development of submillimeter lasers to measure ion temperatures. (CONF-770954 – 5) 377343
Vander Velde-Wilquet, C.
Determination of the branching fractions for kaons minus-meson absorption at rest in carbon nuclei. 362109
Vander Velde, J.C.
Ratio of neutral-current to charged-current cross sections for inclusive neutrino interactions in hydrogen. 351220
Vanderborght, O.
The action of sodium alginate in the food on a ^{85}Sr body-burden in mice. 370416
Vandergriff, R.
Development of A 9 Cr steel with improved strength and toughness. (CONF-770545 – 2) 359898
Vanderhorst, J.R.
Fate and effects of petroleum hydrocarbons in marine coastal ecosystems. (BNWL – 2100(Pt.2)) 363035
Vanderoost, C.
Preparation of ^{14}C samples for counting techniques. 355622
Vanderpoorten, R.
A comparison of local optical potentials for elastic electron-atom scattering. 374644
The electron impact excitation of alkali atoms. 358848
Optical model description of anomalous elastic and inelastic α-^{40}Ca scattering between 20 and 50 MeV. 351298
VanDevender, J.P.
Power flow studies of magnetically insulated lines. (SAND – 77-1365C) 367976
Vandevender, S.G.
Underground siting of nuclear power plants: potential benefits and penalties. (SAND – 76-0412) 352185
Vandevender, W.H.
User's manual for the CDC-6600 version of AMPX. (SAND – 77-1148) 377850
Vandevyver, M.
Electron irradiation of undoped n-type InAs. 370220
Vandorpe, M.
Evaluation of solidification matrices proposed for nuclear power plant radwaste. 368376
Vandriessche, R.
Structure elucidation of S-oxidized metabolites of 1-(4-isopropylthiophenyl)-2-N, octylaminopropanol (Suloctidil*) by means of deuterium labeling and mass spectrometry. 357651
Vane, C.R.
High resolution studies of extensive Ne L-shell excitation by energetic heavy ion impact. 358849
Recoil ion spectroscopy in the XUV – soft X-ray region following heavy ion impact on thin gas targets. 358825
Studies of neon L-shell excitation by impact of highly ionized heavy ions. 358824
Vanek, J.A.
Hepatic uptake of Tc-99m-labeled diphosphonate in amyloidosis: case report. 373631
Vanek, K.N.
Determination of internal radiation absorbed dose: a computer method. 365631
Radiation dose to humans from /sup 99m/Tc labeled dihydrothioctic acid (DHTA). 362796
Vanek, V.
Multipole fusion reactors using advanced fuels. (EPRI-ER – 536-SR) 371722

Possible uses of nuclear energy in agriculture. 368437
Studies of doublet plasmas in Doublet IIA. 358942
Vangeel, J.
An integrated system for the conditioning of radioactive solid wastes and liquid waste concentrates. 358506
Vanhellemont, G.
Safety problems related to microheterogeneities in physically mixed oxide fuels. (CONF-761001 - P3) 363001
Vanheuverzwijn, P.
Completely positive maps on the CCR-algebra. 371364
Vanhollebeke, M.A.I.
Observations of galactic cosmic ray energy spectra between 1 and 9 AU. (N - 77-19986) 361716
Vanhomwegen, G.
A study of the reactions K⁻d→K⁻d and K⁻d→K⁻n(psub(s)) at 4.5 GeV/c. 353954
Vanhorenbeeck, J.
High spin states in lead isotopes with A between 193 and 199. (IPNO-PhN - 77-17) 359450
vanHulsteyn, D.B.
X-ray shadowgraphing in laser-produced plasma experiments. 359037
Vanin, V.R.
A rapid programming for the calculation of Ge-Li detectors parameters. 355594
Rate of formation of the isomeric states of ^{164}Ho. 354274
Vaninov, V.L.
Electrical properties of glass of Ag-As-Te system from Ag-As_2Te_3 section. 378361
Vanmarcke, M.
Experimental control of Stewart's theoretical model of large amplitude moving striations. 353190
Vanmassenhove, G.
An in-pile sodium loop for investigation of local cooling disturbances in LMFBR's. 374279
Vann, R.R.
Method and apparatus for determining communication of a perforated zone with a second zone. 357505
Vannikov, A.V.
Investigation of photoelectric currents induced by pulse laser photolysis of trapped electrons in γ-irradiated propanol. 378523
Pulse photoconductivity of γ-irradiated propanol at 77 deg K. 362267
Vannucci, F.
K^0 production in e^+e^- annihilation. 353983
Semi-leptonic interactions. (IN2P3 - 77-01) 369281
Vanoli, F.
Description and performance of MEA, the magnetic detector at ADONE. 379480
Vanryckeghem, L.
Jet-structure and the statistical model for electron-positron annihilation into hadrons. 377773
Vanstrum, P.R.
New processes for uranium isotope separation. 367854
Vantine, H.C.
Flash radiographic technique applied to fuel injector sprays. (CONF-770430 - P1(Draft)) 352433
Vantsan, V.M.
Photoelectric current and electroreflection of defect crystals of cadmium selenide. 359652
Vanyukov, A.V.
Diffusion and structure of defects in Cdsub(x)Hgsub(1-X)Te crystals. 365136
Vanyushkin, B.M.
Industrial installation with an electron accelerator for sterilization in medicine. (INIS-mf - 4194) 376387
Pilot-industrial plant for radiation-chemical finishing of textiles. (INIS-mf - 4194) 376282
Var, R.E.
Fusion reactor control study. First annual report. (EPRI-ER - 533) 366531
Var'end, Eh.Eh.
Gamma irradiation effect on the activity of alkaline and acid phosphates in the blood plasma of mice and its modifications due to changes in the thyroid activity. (INIS-mf - 3912) 373552
Varadi, G.
Thermohydraulic design of heat exchangers for direct-cycle integrated gas turbine plants. 379694
Varandas, C.A.F.
Nonlinear interaction between a lower hybrid wave and the electron cyclotron instability. (INIS-mf - 3963) 371772
Statistics of amplitude and time-intervals associated with sequences of electron cyclotron bursts. (INIS-mf - 3963) 371771
Varanini, E.E. III
Enhancing public acceptability. (ORP/CSD - 77-2) 374458
Varano, L.A.
A rad waste compaction program for a medical center. 355638
Vardanyan, A.A.
Radioprotective action of gibberellin given to seeds of Crepis capillaris L. prior to irradiation. 362648
Vardanyan, I.N.
Composition and properties of cosmic radiation on mountain altitudes. 361668
Vardenga, G.L.
On cross-sections of interaction of relativistic alpha-particles with nuclei. (JINR-R - 1-10592) 375151
Vardidze, Eh.V.
KSANI complex system for automation of scientific researches. 358419
Vardiman, J.
Prognostic classification of Hodgkin disease in pathologic stage III, based on anatomic considerations. 352047
Vardumyan, D.T.
On the measurement of momenta of the hadronic component of cosmic rays. (EFI - 210(2)-77) 379954
Vardya, M.S.
Mass loss, long-period variables, and the formation of circumnebular shells. 359108
Vareille, J.C.
Contribution to the research on cellulose diacetate as a solid state track detector. 360072
Varela, D.W.
Temperature capability for DTF-IV (DTF-71 version). (SAND - 76-0742) 351253
Varelas, C.
Channeling - the lattice steering of swift charged particles through crystalline solids. 364121
Light emission by swift He^+ ions after focusing and channeling interactions on a monocrystalline nickel surface. 371696
Varenik, V.D.
Parallel work of automatic control systems with MHD-throttles and radioisotope instruments. 352344
Varentsov, V.L.
On production of spontaneously fissile isomer of sup(242m)Am in thermal neutron capture reaction. (INIS-mf - 3896) 356909
Varfolomeev, A.A.
Shower spectrometer with a combined radiator. 361015
Varfolomeev, M.B.
Crystal structure and thermal stability of monoclinic tetrahydrates of rare earth perrhenates. 369672
Crystal structure of holmium periodate - $HoIO_5.4H_2O$. 349289
Scheme of hydrogen bonds in lanthanum perrhenate tetrahydrate $La(ReO_4)_3x4H_2O$. 359653
Varfolomeeva, L.V.
Mastering of fabrication technology of titanium thin-walled sections. 351712
Varga, A.
Fluctuations of approximatelly 10^{14} eV cosmic rays. (KFKI - 77-51) 356224
Varga, B.B.
Detection efficiency and range measurements of alphas and protons in cellulose nitrate. 360059
Varga, I.
Development of the national nuclear programme and preparations for the introduction of nuclear power in Hungary. 371332
Varga, L.
Early detection of radiation-induced cell membrane alterations by lectin-binding. 354780
Varga, T.
C.O.D. Measuring technique on CT-specimens as applied in the Sulzer Laboratories. (IAEA - 189) 360833
The concept for the protection of the RPV against nonductile failure as it is applied in Switzerland. (IAEA - 189) 360820
Non-destructive testing, fracture mechanics and defect tolerances. (IAEA - 189) 360834
Reactor vessel surveillance present practice and future trends in Switzerland. (IAEA - 202) 376474
Selecting samples for irradiation programmes in LWRs. 354629
Vargaftik, N.B.
Density of caesium at high pressures and high temperatures. 375904
Vargalyuk, V.F.
On the role of adsorbed metals with organic and inorganic ligands in electrode reactions. 357074
Vargas, H.
Optical absorption spectra of natural smoky quartz. 350768
Vargas, J.I.
Quadrupole interaction in the stabilized cubic phase of HfO_2. 350708
Study of the stability of triglycine selenate under Co 60 ionizing radiation. 351642
Varghese, P.
Radiative capture of fast neutrons by ^{89}Y and ^{140}Ce. 377970
Varier, K.M.
Gamma ray attenuation measurements. 369398
Varik, V.I.
Determination of elemental composition of standard rocks by instrumental neutron activation method. 351919
Neutron methods of element analysis of geological samples with recovery of isotopic sources. (INIS-mf - 3994) 378175
On the question of precision and the correctness of instrumental neutron activation analysis of geological samples. (INIS-mf - 3994) 378103
Varkentin, Ya.Ya.
Effect of chlorine and beryllium on the NaCl-$BeCl_2$ system properties. (INIS-mf - 4193) 375521
Varkovitskaya, A.Ya.
Study on nucleon, pion and muon fluxes by means of X-ray emulsion chambers. 361659
Varlamov, V.V.
Tunnel diode comparator circuit in the betatron stabilization and energy variation systems. 358001
Varma, A.
In vivo estimation of the rate of production of rumen bacteria in buffalo calves. 354898
Varma, G.K.
Charge symmetry considerations in determining neutron radii in nuclei. 372682
Elastic scattering of 1 GeV protons from nuclei. 351317

Scattering of α-particles at medium energies. 372683
Varma, M.N.
Dependence of anti W on the charge of heavy ions. (BNL – 23394) 377139
Varma, R.N.
Separation of caesium-137 from fission products using phosphotungstic acid. (BARC – 895) 375650
Studies on inorganic exchangers – ammonium phosphomolybdate (AMP) and ammonium phosphotungstate (APW). (BARC – 893) 375649
Varma, S.D.
Fragmentation cross-section of relativistic oxygen ions and determination of overlap parameter. 372824
Varman, P.N.
Thyroid harmones in yolk and their role in chick embryogenesis. 352068
Thyroxine secretion rate during growth in different types of poultry birds. 352119
Varnagy, M.
Low-energy cross section for $^{6}Li(d,n)^{7}Be$. 356899
Varnek, V.A.
Resonant filter from defect tin dioxide for Moessbauer spectroscopy. 360666
Varnell, L.S.
High-energy proton radiation damage of high-purity germanium detectors. (LBL – 7218) 380001
Varney, E.J.
Safety of nuclear facilities. 369846
Varney, R.N.
A hollow-cathode ion source for drift tubes. 370680
Varnin, V.P.
Concerning carbon thin layers on boron nitride. 367290
Varon, A.
Design of high performance quadrupole mass spectrometer. 371089
Varoquaux, E.J.
Experimental evidence for interactions between elementary excitations in liquid ^{4}He below 1 K. 353745
Varosyan, A.G.
Condition for population inversion in Hahn diodes. 374662
Varracchio, E.F.
Optical potential theory of diatom-diatom scattering. 361400
Varret, F.
Moessbauer polarimetry using fluosilicates. 371611
Varro, T.
Comparative study of the ion transport process in a membrane system by quantitative autoradiography, using photoemulsion and plastic track detector. 375597
Varshalovich, D.A.
Distortion of the relict radiation spectrum by the hydrogen line lambda = 21 cm in epoch z = 150 – 15. 369225
Role of HD molecules in formation of primary condensations. 364419
Varshney, V.P.
Determination of serum thyroxine level in goats by competitive protein binding. 352126
T_3-^{125}I uptake by resin, serum and calcium and phosphorus level in pregnant and lactating black Bengal goats. 352131
Varshni, Y.P.
The red-shift hypothesis for quasars: is the Earth the center of the universe. II. 366770
Vartanyan, R.S.
High activity of $MoCl_5$ in the cleavage of Si-C bond in tetraalkyl- and arylsilanes. 378194
Vartanyan, S.A.
Bistilbenes as mixers for plastic scintillator luminescence spectra. 361021
Vartanyan, Yu.L.
On the limiting value of mass of nonuniformly rotating neutron stars. 369014
Vartapetyan, G.A.
Energy resolution of a scintillation counter with a large NaJ(Tl) crystal. 358337
Photonuclear reactions in medium weight nuclei ^{51}V, ^{55}Mn and Cu. 354173
Vartiainen, H.
A study of sulfur isotopes in the Sokli multi-stage carbonatite (Finland). 373409
Vartiainen, K.
Cladding of pressure vessel steel with corrosion resistant filler material. 374025
Vartsky, D.
A facility for in vivo measurement of kidney and liver cadmium by neutron capture prompt gamma ray analysis. 359575
Fractional charge collection technique for pile-up reduction-counting low intensity radiation in presence of intense gamma-ray and neutron background. 355595
In-vivo measurement of kidney and liver cadmium by neutron capture prompt gamma-ray analysis. (BNL – 23632) 378176
An investigation of nuclear resonance scattering for in vivo analysis of liver copper. 356981
Prompt gamma neutron activation analysis to measure whole body nitrogen absolutely. 369534
Varvaritsa, V.P.
Wide-range roentgenoradiometric analyzer of elements in media of complex chemical composition. 356965
Varyukhin, V.V.
Study on interactions of cosmic-ray relativistic nuclei with emulsion nuclei at total decay of a target nucleus and in peripheral collisions. 362110
Varzaly, A.M.
Mark III Confirmatory Test Program: 1/root 3 scale condensation and stratification phenomena, Test Series 5807. (NEDO – 21596) 365620
Varzekov, A.V.
Experiment on radioisotope application to investigation into technological processes of continuous steel casting and improvement of metal quality. 373146
Vas'kovskij, V.O.
Sloping cylindrical domains in $YFeO_3$. 358906
Vasanova, L.K.
Some problems of disperse medium use in heat exchangers. (INIS-mf – 3952) 367912
Vasaru, G.
TD column performances calculus. Application to the separation of ^{36}Ar. 378088
Vasavada, K.V.
Model for massive-lepton-pair production. 372402
Theoretical models for the angular distribution of massive muon pairs produced in hadronic collisions. 351201
Vasconcellos, E.C.C.
CO_2 laser irradiation of molecules. 364260
CW and Q-switched CO_2 laser operation. 350966
Vascotto, A.
Reconstruction of the momentum of a particle moving in an axially symmetric magnetic field. 358344
Vasetskij, V.M.
Study on the theta-pinch in Ge. 348854
Vashenyuk, Eh.V.
Some specific features of solar proton propagation in intermediate and high energy range. 356333
Vashishat, R.K.
Modification of mutation frequency in Saccharomyces Cerevisiae. 367470
Vasickova, S.
Conformational study of cyclic 2-amino and 2-dimethylamino alcohols with six-membered ring by ^{1}H-NMR spectroscopy. 367032
Vasil'chuk, V.G.
Ionic conductivity of CsI and CsI(Na) crystals. 374785
Vasil'ev, A.A.
Electron radiation effects on microhardness and internal friction in iron-nickel alloys. 349588
Organization of digital computer operating in the automatic data collection and control system for the 70 GEV proton synchrotron. (IFVE-PKU – 75-80) 350441
Vasil'ev, A.D.
Plastic deformation effect on the structure and fracture character of molybdenum. 378749
Vasil'ev, A.G.
Discrete radioisotopic relays of a cyclic action. 357895
Enhancing the accuracy in the course of coal ash content measurement from the forward scattered gamma-radiation intensity. 357893
Vasil'ev, A.N.
Elastic $\pi^{+}p$, $K^{+}p$ and pp scattering in the Coulomb-nuclear interference region at the momenta of 42.5 and 52.2 GeV/c. 375062
Elastic scattering of π^{-}-mesons and protons by nuclei in the difraction cone region within 30-50 GeV/c momenta range. 375152
Excitation of ordinary waves in a diffuse boundary plasma under an anomalous skin effect. 369001
Representation of the scattering amplitude by the functional integral and quasiclassical asymptotics in quantum mechanics. 368601
Vasil'ev, A.V.
Electron irradiation and annealing of Ge < Si > alloy. 348769
Erosion of the 4-6- and 8 group transition metals under intense laser radiation. 349524
On radiation defects in p-type germanium induced by irradiation at elevated temperatures. 374681
Vasil'ev, B.K.
On the possibility of producing tritium labelled phenyl-substituted onium derivatives of halogens by means of ion-molecular reactions. 354407
Vasil'ev, G.I.
Decladding of BOR-60 and BR-5 fuel elements by clad melting. (NIIAR-P – 17(283)) 359840
Thermal decladding of BOR-60 fuel elements. (IAEA-AG – 63-16) 363489
Vasil'ev, G.P.
Switching in the VO_2-dielectric-semiconductor system. 377305
Vasil'ev, L.M.
Fabrication of lavsan heads for sensitive volumes of liquid hydrogen targets. 376337
Study on antiproton-proton charge-exchange at 18 and 40 GeV/C. (JINR-D – 1,2-9342) 356494
Vasil'ev, L.S.
Organic boron compounds. 373003
Vasil'ev, M.P.
Control and data aquisition systems on tokamak-type thermonuclear facilities. (INIS-mf – 3954) 364261
High-frequency turbulence of plasma in the "Uragan" stellarator with ion-cyclotron pumping. (KFTI – 75-19) 377510
Vasil'ev, N.N.
Heat and particle transport to a wall of a tokamak reactor. (INIS-mf – 3963) 353651
Material composition and neutron-physical calculation of reactor blanket for the TVEh-2500 facility. (INIS-mf – 3954) 361575

TVEh-2500 installation (thermonuclear power plant with a tokamak type reactor and MHD system for energy conversion). (INIS-mf - 3954) 361640
Vasil'ev, P.P.
Evaluation of rings influence on the Saturn gravitational field. 369034
Vasil'ev, S.A.
Optimum modes of power control in a power plant reactor. 374188
Vasil'ev, S.I.
Diffraction back scattering of alpha particles and the optical model. (JINR-R - 4-9519) 349126
Vasil'ev, S.S.
Level scheme of sup(105)Pd. 359375
Vasil'ev, V.F.
Simple circuit of a high-stability gamma-resonance spectrometer. 379861
Vasil'ev, V.I.
System for control of plasma filament equilibrium in the T-10M thermonuclear facility. (INIS-mf - 3954) 361641
Vasil'ev, V.K.
Preparation of tritiated phenyl-substituted onium derivatives of antimony, tellurium and iodine by means of ion-molecular reactions. 365029
Some problems of atomic collision physics in application to ion implantation. (INIS-mf - 3996) 364089
Vasil'ev, V.N.
Electromagnetic system of the "Tokamak-10M" experimental thermonuclear facility. (INIS-mf - 3954) 361504
Relation between an interplanetary-magnetic-field inhomogeneity spectrum and the cosmic-ray-intensity fluctuation spectrum. 356334
Vasil'ev, V.P.
Thermodynamic characteristics of formation of hafnium complexes with fluoride ion in aqueous solution. 359709
Vasil'ev, V.S.
Investigation into mechanism of solid-phase reactions with participation of rare earth oxides by luminescence method. 378369
Luminescence of Eu^{3+} in the Eu_2O_3-Y_2O_3-Ta_2O_5 system. (INIS-mf - 3955) 377265
Vasil'ev, V.V.
On a magnet configuration to trap ultracold neutrons. (ITEF - 44) 365712
Vasil'ev, Yu.A.
Angular and energy distributions of ^{252}Cf spontaneous fission neutrons depending on mass and kinetic energy of fragments. (INIS-mf - 3896) 356910
Vasil'eva, E.V.
High-temperature vacuum annealing effect on the properties of a nitrided niobium alloy. 375905
Vasil'eva, I.A.
Determination of electron temperature and density by an electrostatic probe in a plasma stream at atmospheric pressure. 348874
Thermodynamic properties of niobium oxides at high temperatures. 369721
Thermodynamic properties of niobium oxides in the region of compositions NbOsub(1,997)-NbOsub(2,024) at high temperature. 359710
Thermodynamic properties of WOsub(2,96). 378426
Vasil'eva, M.G.
On thermal properties of the $Cs_3Cu_2Cl_7x2H_2O$ crystal. 359695
Vasil'jev, M.O.
Relative sensitivity of the analysis by secondary ion-ion emission method. 348855
Vasil'kevich, A.A.
Aluminium-yttrium garnet phonon spectrum. 361480
Lattice phonon spectrum of zirconium dioxide and solid solutions on their base. 348857
Phonon spectrum of aluminium-yttrium garnet. (INIS-mf - 3955) 377306
The phonon spectrum of NaI crystal. 348856
Vasil'kova, I.V.
Investigation and calculation of phase diagram of $NaNO_3$-$CsNO_3$-$Pb(NO_3)_2$ system. 349301
Investigation and thermodynamic calculation of phase diagram of CdI_2-PbI_2-NaI system. 349302
Phase diagram of the AgCl-CsCl-KCl system. 375598
Phase diagram of the $ScCl_3$-NaCl-KCl system. 349310
Vasil'kovskaya, E.A.
Solid-phase reactions in RbJ-AgJ system. 351583
Vasil'kovskij, A.A.
Electrical properties of films of Er and Yb tellurides. 370066
Vasile, C.F.
Evaluation of electromagnetic-acoustic concepts of inspection of steam generator tubing. Final report. (EPRI-NP - 519) 365817
Vasilenko, E.A.
Effect of dialkylphosphites on fire resistance of irradiated polyethylene. 359768
Vasilenko, I.I.
On the adsorption-induced fatigue of structural steels in the presence of alcohols. 359829
Vasilev, V.K.
Study on the third-order nonlinear resonance (vsub(x)=2/3) by the Krylov-Bogolyubov method in the second approximation. (JINR-R - 11-9108) 379477
Vasileva, M.
Cytoembryologic study of gamma-ray induced sterile Pisum sativum L. mutants. 367477
Vasilevskaya, A.S.
Phase transformations in (Pb,La)(Zr,Ti)O_3 ferroelectric solid solution. 377307
Size and concentration of scattering centers in (Pb, La)(Zr, Ti)O_3 solid solution. 348858
Vasilevskij, M.A.
Application of explosive-emission cathodes for the production of high-current electron beams of large duration. (INIS-mf - 3954) 363178
Vasilevskij, N.V.
Photochemical reactions of pentahalogenonitrosoruthenates. 349272
Vasiliev, M.A.
Hamiltonian formalism, quantization and S matrix for supergravity. 371374
Secondary ion emission from concentrated alloys and compounds. (INIS-mf - 3996) 363980
Vasilik, D.G.
Integrated minicomputer alpha analysis system. (LA-UR - 77-2968) 378946
Vasilina, B.S.
Investigation of germanium iodide thermodynamic properties. 359647
Vasiliu, F.
Crystal defects in irradiated solids. 378818
Surface sputtering effects induced by ion beam bombardment. 377308
Vasiljev, A.V.
The annihilation process of radiation-produced vacancies and interstitials. 370138
Vasin, B.D.
The interaction of Zn-La, Zn-Al-La molten alloys with salt melted mixtures containing zinc chloride. 375599
Reaction of liquid zinc base uranium-containing alloys with salt molten mixtures. (INIS-mf - 4193) 375738
Reaction of zirconium-containing chloride-fluoride melts with liquid zinc-aluminium alloys. (INIS-mf - 4193) 375600
Vasin, M.V.
Comparative study of radioprotective properties of serotin derivatives repeatedly applied before gamma irradiation. 379014
Vasin, O.I.
Superconductivity of fast condensed films. 377693
Vasin, V.S.
Vacuum ion accelerating tube for a well-type neutron generator with 10^{10}n/s. 349616
Vasinuyk, I.E.
Calibration of track chamber film handling projector "LUSIK-2". (EFI - 121(75)) 350451
Vasnin, A.M.
Fracture resistance of zirconium alloys. 378714
Vasquez, A.
The effect of high pressure on the nuclear quadrupole interaction at tantalum in 1T-TaS_2 and 2H-TaS_2. 377171
Localized vacancies in palladium produced by thermal neutron capture recoil. 371574
Perturbed angular correlation measurements in $BaHfO_3$-II. 365005
Quadrupolar interactions in $BaHfO_3$. 350784
Vass, D.G.
A search for fine structure of the time-of-flight spectrum of the fission neutrons of ^{252}Cf. 351418
Vassal, J.
Metallurgical evolution of heavy forgings in low alloy steels for nuclear vessels. 355384
Vasserberg, V.Eh.
Mobility of chemisorbed molecules and surface regeneration of active centers during dehydration of isopropanol on aluminium oxide and aluminosilicate. 354355
Vasserman, I.V.
Beginning of experiments on the VEPP-2M electron-positron storage. (JINR-D - 1,2-9342) 357934
Vasserman, N.N.
Investigation and simulation of the corrosion-fatigue crack propagation kinetics. 375734
Vasserman, S.B.
Positron source for the VEPP-4 storage. (INIS-mf - 3846) 350057
Vasseur, J.-P.
X ray detection device. 361047
Vassilaki-Grimani, M.
Instrumental neutron activation analysis of "melian" potsherds. 372863
Vassileva, B.
Suicide with cesium 137. 373570
Vassiliadis, G.
Inclusive V^0 production in anti pp interactions at 12 GeV/c. 353939
Vassilioy-Souvatzoglou, I.
The value of scintigraphy in orthopaedic clinical practice. (INIS-mf - 4010) 370474
Vasu, K.I.
The high temperature oxidation kinetics of a Zr-3 Nb-1 Sn alloy. 367256
Vasu, P.
Energy distribution of electrons from U + O_2 associative ionization. 377140
Vaswani, A.
Total body sodium and chlorine in normal adults as determined by neutron activation analysis. 369540
Vaswani, G.A.
Studies on the immobilisation of sulphate-bearing waste PbO-B_2O_3-SiO_2 system. (BARC - 951) 376762

Vasyanin, A.V.
A digital method for registering count rate differences. 357457
Vasyliunas, V.M.
The plasma experiment on the 1977 Voyager Mission. 374882
Vasyliv, V.I.
Recrystallization texture and anisotropy of properties of cold rolled α-titanium. 373167
Vasylyak, Ya.P.
Spectral luminescent investigation of fluorophosphate glasses activated by rare earths. 378313
Vasyukov, V.N.
Change of basis state of some rare earth ions in crystallohydrates at high pressures. (INIS-mf – 3955) 378427
Vasyutinskij, B.M.
Chromium coatings effect on mechanical properties of titanium. 349435
Vasyutinskij, O.S.
Observation of radio-frequency coherency on excitation of hyperfine structure transitions in optically oriented atoms. 377141
Vater, P.
Multifragment decay reactions induced by heavy ions and studied with mica track detectors. 367011
Study of heavy-ion – induced reactions on uranium with use of mica detectors. 359538
Vater, W.
Water in power plants: indispensable aid and aggressive medium. 351584
Vatman, I.I.
Surfactant complexes of metal-organic compounds – anion type and their use in polarography. (INIS-mf – 4192) 375379
Vatn, M.F.
Radiation-catalytic alkylation of benzene. 373077
Vatolin, N.A.
Structure of metallic melts on the base of the cluster model. 365181
Structure of the V_2O_5-Cu_2O and V_2O_5-PbO melts. (INIS-mf – 4193) 375506
Using molecular dynamics method for the evaluation of Fe-Ni and Al-Zn melts structure properties. 349516
Vatset, P.I.
Data processing and physical results on He^4 photodisintegration. (KFTI – 76-36) 368483
Vattimo, A.
Study of the intestinal radiocalcium absorption by external counting in man. (INIS-mf – 4010) 370438
Vaucher, B.
Measurement of the differential cross section for $\pi^-p \rightarrow \pi^0 n$ around the Δ(1232) resonance and test of the charge independence principle. 362072
Vauclair, G.
Competition between diffusion processes and hydrodynamical instabilities in stellar envelopes. 369226
Elements separation and mixing processes in the envelopes of white dwarfs. 374977
Vauclair, S.
Competition between diffusion processes and hydrodynamical instabilities in stellar envelopes. 369226
Vaughan, A.H.
High-resolution polarization observations inside spectral lines of magnetic Ap stars. I. Instrumentation and observations of β Coronae Borealis. 359056
Vaughan, B.E.
Pacific Northwest Laboratory annual report for 1976 to the ERDA Assistant Administrator for Environment and Safety. Part 2. Ecological sciences. (BNWL – 2100(Pt.2)) 362137, 362140, 362568, 362594, 362597, 362713, 362760, 362762, 362931, 362936, 363035, 365294
Vaughan, E.U.
Some potential reductions in the release of radioactivity under LMFBR accident conditions. (CONF-761001 – P4) 362984
Vaughan, G.J.
A model for fuel fragmentation during molten fuel/coolant thermal interactions. (CONF-761001 – P4) 363036
Vaughan, H.G.
The relationship between striation spacing, macroscopic crack growth rate, and the low-cycle fatigue life of a type 316 stainless steel at 625°C. 357340
Vaughan, R.D.
AGR experience and its relevance to future gas-cooled reactors. 379709
The need for high-performance breeder reactors. 365992
Vaughan, R.W.
Study of metal hydrides with multiple pulse nuclear magnetic resonance techniques. Annual progress report, June 1, 1976 – May 31, 1977. (CIT – 767P15X1) 370105
Vaughen, V.C.A.
Determination of fission product and heavy metals inventories in FTE-4 fuel rods by a grind-burn-leach flowsheet. (ORNL/TM – 5756) 351688
Vaulin, E.P.
Temperature dependence of copper sputtering coefficient. 374786
Vaulina, I.G.
On the calculation of the strength of the "T-20" electromagnetic system. (INIS-mf – 3954) 361642
Vauramo, E.
The design of the detector and collimators for a hybrid scanner. 361063
Vaurio, J.K.
Probabilistic/deterministic procedure for analyzing LMFBR core disruptive accidents. (CONF-761001 – P3) 365621
Vautrey, L.
Development of French programme on fast reactors, from March 1975 to March 1976. (IWGFR – 12) 358304, 363533
Vaux, W.G.
Steam and sodium leak simulation in a fluidized-bed steam generator. 358305
Vavilov, N.G.
On the chemical stability of strong-base anionites in alkaline media. 362221
Vavilov, V.S.
He backscattering and infrared absorption studies of natural diamond containing high concentrations of implanted silicon. 370123
The influence of electronic excitation on atom displacement in semiconductors. 370231
Investigation of clustering in ion-implanted silicon and quartz layers by means of total X-ray reflection. 370174
The nature of luminescence centres in silicon irradiated by fast neutrons. 370176
Plasma reflection and zone structure of bismuth-antimony, doped by tellurium and tin. 348765
Vavilova, V.V.
Metastable αsup(')-phase in system of vanadium-nitrogen. 351489
Vavrova, J.
Regeneration of hematopoietic and lymphoid issues after whole-body irradiation and thiamine diphosphate therapy. 376115
Vayaki, A.
Study of the planarity in K^-p reactions at 8.25 GeV/c. 369379
Vaze, P.K.
Tritium persistence pattern in some terrestrial plants-field investigations. (INIS-mf – 4140) 373627
Uptake of tritium through foliage in capsicum fruitescens, L. (INIS-mf – 4141) 373608
Vazhenin, V.A.
EPR investigation of ferroelectric phase transformation in lead germanate activated with trivalent gadolinium. (INIS-mf – 3955) 377286
Vazina, A.A.
Small-angle x-ray camera with the use of synchrotron radiation. 376695
Vazquez, L.
Elementary length in nonlinear classical fields. 363855
Vdovchik, E.
Experimental study of extensive air showers with particle number from 10^5 to 10^6. 362622
Study on spatial and energy distributions of muons from extensive air shower by means of a magnetic spectrometer. 362615
Vdovenko, V.M.
Investigation of thorium coprecipitation with calcium fluoride crystallizing from CaF_2-$CaCl_2$ melt. 351628
Vdovin, A.I.
Effect of residual interaction in a particle-particle channel on low-lying state properties of spherical nuclei. 377942
Excitation of collective states in spherical nuclei in high-energy proton interactions. 361975
Fragmentation of giant multipole resonances over two-phonon states in spherical nuclei. 354112
Vdovin, S.A.
Plasma accumulation in electromagnetic traps. (KFTI – 75-19) 377504
Vdovin, V.L.
Ion-ion hybrid resonance and Alfven waves in tokamak TM-1-HF. (INIS-mf – 3963) 372073
Vdovin, Yu.A.
Collisions of excited and nonexcited atoms in an external magnetic field. (INIS-mf – 3915) 348640
Vdovina, A.L.
Effect of γ-radiation on structure and properties of polyethylene. 349364
Vdovina, E.D.
Application of natural zeolites of Uzbekistan for purification of low-active sewage. 359762
Use of natural Uzbekistan zeolites for purification of low-level liquid waste. 354411
Vdovina, L.V.
Sorption of vanadium (5) and silicon on anionites. (INIS-mf – 4187) 375505
Vea, H.W.
An exact analytical solution of pool swell dynamics during depressurization by the method of characteristics. 374143
Veall, N.
Scintigraphy and the sociomedical environment. 355670
Veau, J.M.
Working with plutonium fuels in a beta-gamma laboratory. 360688
Vecchi, E.
Radiation induced one-electron reduction of cobalt(II) and rhodium(I) complexes containing diphosphines in methanol. 359796
Vecchia, P. di
Xi-function regularization of the quantum fluctuations around the Yang-Mills pseudoparticle. 371354
Vecchiocattivi, F.
Absolute total elastic cross sections for collisions of Ne with Ar, Kr and Xe. 358715, 376982
Vecera, M.
Nuclear magnetic resonance in the study of unsaturated polyesters isomerization. 349190
Vecher, A.A.
Enthalpy of formation of melts in the indium-tin-bismuth-lead

system. 378385
Formation enthalpy of melts in indium-bismuth-antimony system. 359711
Vechten, J.A. van
Asymmetry in the displacement energy for Frenkel-pair production in semiconductors and the conversion of n-type AlN to p-type. 370232
Vedaldi, D.
The photoreaction between furocoumarins and various DNA with different base compositions. 367450
Vedeneev, V.S.
Harmful effect of nitrite salts of a monomer- Am^{241} and polymer-Pu^{239} on the organs and systems of maximum deposition of radiation sources after inhalation of drastically toxic amounts. 360321
Vedeneyeva, M.A.
Hydrogen permeability into niobium during cathodic polarization in hydrochloric acid. 365132
Vedenyapin, A.A.
Investigation of state and behaviour of hydrogen of ruthenium catalysts. 372955
Vedernikov, V.P.
Calculation of the dose rate in the gastrointestinal tract of the small laboratory animals. 360273
Vedrenne, G.
A $1m^2$ gamma ray spark chamber telescope for the energy range 10-100 MeV. 379929
Vedrine, A.
Flux growth of fluorides of lithium and thorium or uranium. 357004
Vedrine, Alain
Crystal growth of thallium and uranium fluorides. 356992
Vedrinskij, R.V.
A simple method for calculating correlation corrections for internal atomic levels. 358850
Veen, A.V.
Clustering of helium atoms at A1/2 <111>110 edge dislocation in α-iron. 351731
Veen, J.F. van der
Analysis of surface structure and composition by ion-scattering spectroscopy. 368874
Relaxation of a Pt(111) surface studied by medium energy ion scattering. 368895
What is the position of atoms in a Ni(110) surface, which is either clean or which has absorbed oxygen or sulphur atoms. (INIS-mf – 4267) 377309
Veer, J.H.C. van der
Last experiments with the KEMA Suspension Test Reactor. 376593
Veeser
Measurements of $^{238}U(n,3n)$ cross sections. (BNL-NCS – 22500) 356911
Prompt neutrons from fission of ^{237}Np. (BNL-NCS – 22500) 356912
Veeser, L.R.
Exploratory laser-driven shock wave studies. (LA – 6997-MS) 373272
$H(t,n)^3He$ reaction for depth profiling of hydrogen by neutron time-of-flight. (UCRL – 79201(Rev.1)) 351245, 356938
Neutron cross section programs in the energy region from 1 to 24 MeV at the LASL Van de Graaff Facilities. (LA-UR – 1028) 361954
Vegh, L.
Fast neutron induced 12^- isomeric state of ^{206}Tl. (ZfK – 336) 364828
Vegni, G.
Analysis of the precision in effective mass and four-momentum transfer for forward produced systems using the magnetic spectrometer MIS. (JINR-E – 1-10718) 376719
Vegors, S.H. Jr.
Uranium accountability for ATR fuel fabrication: Part II. A computer simulation. (TREE – 1146) 363724
Vehauc, A.
Variations of starting conditions contribution to cooling tower plume predictions. 379310
Veihelmann, R.
Experience with the MELSIM-1 program system. 370580
Veillette, P.
Subject of displaced thresholds. 350651
Veilleux, G.
Doubly peaked helium depth profiles in copper and blistering. 362550
Veis, S.
Microwave resonant cavity method for the investigation of the corona discharge. 366626
Veje, E.
Oscillatory behavior of Rydberg-state total cross sections in the collisions Ne^+-He and He^+-Ne. 350559
Veje, Erling
Studies of outer-shell excitations in the Li^+, Na^+-He, Ne collisions. 353177
Vejnger, A.I.
EPR detection of non-cubic phase in pure yttrium oxide. 374783
Vejs, A.N.
Study on absorption coefficient in p-PbTe. 353498
Vejts, B.N.
On application of non-refrigerated semiconductor detectors of roentgen radiation for measurement of cover thickness. (INIS-mf – 3994) 379400
Vejvoda, E.
Impact of proposed waste criteria on Rocky Flats as a prime waste generator. (SAND – 77-1178) 374398
Vekshina, L.K.
Effect of doses and types of irradiation on mutation frequency in Chlorella; mutation maximum effect. 349721
Vekshina, N.V.
Stoichiometry and optical properties of lanthanum sulfides following hot pressing. 360034
Vekshina, V.S.
Properties of the eutectic alloy of indium antimonide with nickel antimonide grown by Czochralski method. 354571
Vekshtejn, G.E.
Diffusion of heavy impurities in a dense wall-confined plasma. 348971
Scaling relations for high-β plasma cooling. (INIS-mf – 3963) 353652
Veksler, B.E.
Device for nuclear magnetic logging. (Soviet patent document 441541/A/) 360173
Veksler, V.I.
Some aspects of the secondary ion emission from metals. (INIS-mf – 3996) 363937
Vekua, L.V.
The effect of low radiation doses on the residual magnetization vector of rocks. 349154
Velarde, G.
A comparison of the eigenvalue equations in kappa, α, lambda and γ in reactor theory. Application to fast and thermal systems in unreflected and reflected configurations. (JEN – 392) 374144
Velasco, G.
Rutherford scattering analysis of thermal interactions between amorphous or crystalline silicon and tantalum films. 370035
Velazquez, J.
Radiation-induced liver damage. 379027
Velculescu, V.G.
Target stimulated laser breakdown in air. 356102
Velde, B.
Radiogenic argon in glauconites as a function of mineral recrystallization. 378871
Velde, M. van der
Relativistic effects in deuteron alignment in πD scattering. 375073
Veleckis, E.
Physical research on liquid-metal systems. Annual report, July 1975 – June 1976. (ANL – 76-106) 359830
Solubilities of the noble gases in liquid sodium. (CONF-760503 – P2) 352726
Solubility of lithium deuteride in liquid lithium. 354572
Veleminsky, J.
Change of chromatid- to chromosome-type aberrations by prolonging the G_1 cell phase after treatment with diethyl sulphate. 354761
Velentine, M.K.
Fluidized-bed gas classification of high temperature gas-cooled reactor fuel particles. 357203
Veletskas, D.
Photoconductivity of CdP_2 single crystals excited by ruby and neodymium lasers. 365006
Velez, C.
Safeguards and regional planning. 361213
Velhagen, K.H.
Contribution to the problem of postradiational lesions of the blood vessels after irradiation of choroidal tumors by $^{106}Ru/^{106}Rh$ applicators. 367527
Velibekova, G.Z.
Investigation into effect of preliminary gamma radiation on specific electric conductivity of NaY type zeolite. 370195
Velichko, A.V.
Pertechnetate and perrhenate of bivalent lead. 359766
Velikanov, S.P.
50 MeV electron synchrotron with cyclotron preacceleration. 350092
Velikhov, E.P.
"Angara-5" thermonuclear device. (INIS-mf – 3954) 361644
The application of a high pulse repetition rate CO_2 laser with high average power for isotope separation by molecular dissociation in a strong IR field. 355067
Nuclear fuel production in hybrid thermonuclear reactors. (INIS-mf – 3954) 361643
Velikodnyj, Yu.A.
Double molybdates and tungstates of indium and scandium with alkali metals. 359712
Velizhanin, V.A.
The field of epithermal neutrons in media with a nonuniform distribution of water. 375087
Veljkovic, D.
Problems of differential diagnosis in evaluation of pathological effects of ionizing radiation in medical supervision of occupationally exposed persons. 354821
Veljkovicj, D.
Professional exposure to ionizing radiation some hematological cytomorfological and immunological tests. 370661
Veljkovicj, V.
Absorption spectra of organic compounds and their cancerogenic activity. 372570
Veljovich, W.
Simplified thermal transient and inelastic analysis screening methods per appendix T, Code Case 1592 for 2 1/4 Cr-1 Mo steel. 361003
Vella, M.C.
Kinetic description of ponderomotive effects in a plasma. 368908

Veller, M.V.
Hydroextrusion influence on structure and some properties of niobium strengthened by dispersive carbide phase. 373267
Hydrostatic extrusion effect on plasticity of carbide-strengthened niobium alloys. 357327
Velling, G.
Pilot plant for hydrogasification of coal with nuclear heat. 379673
Velner, S.
A computer program for risks evaluation calculations for nuclear power plants. (INIS-mf – 4052) 373835
An environmental report for the first Israeli nuclear power plant. (INIS-mf – 4052) 373873
Veltman, M.
Large Higgs mass and μ-e universality. 353913
Velusamy, T.
Structure of Kepler's SNR and the Crab Nebula at 327 MHz from occultation observations. 356335
Ven'yaminov, S.A.
Investigation of iron-bismuth-molybdenum catalysts. 378428, 378429
Venables, J.D.
Development of 'cemented alloy carbides' for hard rock boring. Final report 1 Oct 1974 – 31 Dec 1976. (PB – 266665) 360014
Venaglioni, A.
Small angle elastic scattering of polarized protons. 356704
Venchiarutti, R.
Experience on the application of safeguards systems to Italian nuclear power plants. 371288
Venderova, L.D.
Heat treatment of welded joints of the steel-12Kh1MF in Ac_1-Ac_3 temperature range. 362363
Vendik, O.G.
Central peak in the spectrum of fluctuations of a ferroelectric mode and dielectric losses in $SrTiO_3$ at 4.2 K. 374787
Vendl, A.
Lanthanum nitride-carbides. 359657
On the relative-conductometric determination of nitrogen in silicon-nitride containing materials. 367050
Vendramim, J.D.
Influence of humidity in the radiosensitivity of bean seeds (Phaseolus vulgaris L.). (CENA-BC – 037) 354764
Vendryes, G.
Programme and status of the development of the fast breeder reactor system in France. 365993
Venevtsev, Yu.M.
Boroaluminizing of titanium alloys and high-alloy steels. (INIS-mf – 4046) 369862
Venevtsev, Yu.N.
Radiation-induced phase transformation in ferromagnetic perovskite. 365243
Venezia, F.P.
Band structure in ^{147} ^{149} ^{151}Eu observed via (HI,xn) reactions. 351350
Venezia, O.
Cytological analysis of X-ray-induced aberrations in spermatocytes I and the somatic ganglia of male Drosophila melanogaster. 354730
Veneziano, G.
The Bose-Einstein effect and the jet structure of hadronic final states. 366839
Electromagnetic mixing of narrow baryonium states. 353894
Venho, V.M.K.
Drug absorption from the irradiated rat small intestine in situ. 376116
Venichenko, A.S.
Study of zirconium complexing with some amino acids by metal-indicator method. 378316
Venier, D.A.
Fuel rod bundles for nuclear reactors. (German (F.R.) patent document 1589867/C/) 352488
Spacer for fuel elements of a fuel rod bundle for nuclear reactors. (German (F.R.) patent document 1564023/B/) 355294
Spacers designed for a multi-rod fuel element of a nuclear reactor. (German (F.R.) patent document 1764396/B/) 355293
Venikouas, G.E.
Laser time-resolved spectroscopy: investigations of energy transfer in Eu^{3+} and Er^{3+} doped YVO_4. 371697
Venitsianov, E.V.
Kinetics of isolation of microimpurity ions by electrodialysis of suspensions of nonsoluble compounds. 359767
Venitskij, V.N.
Study on the ferromagnetic resonance in $Y_3Fe_5O_{12}$ by the optical spectroscopy method. 374788
Venkat Raj, V.
Nuclear industry – challenges in chemical engineering. (INIS-mf – 4166) 375789
Venkat Rao, N.
Variation of uranium, thorium and potassium contents in the granitic rocks of Hyderabad, Andhra Pradesh; a preliminary study. 367382
Venkata Ramaniah, K.
Beta spectrum of ^{143}Ce. 349151
Venkata Reddy, K.
Beta spectrum of ^{143}Ce. 349151
Venkatachala, B.J.
The effect of suction on boundary layer for rotating flows with or without magnetic field. 350761
Venkatachari, R.
F-layer effects caused by the Chinese nuclear explosion of 14 October 1970. 373473
Venkatakrishnan, P.
Transmission of acoustic wave energy across a magnetic flux sheath. 366771
Venkataramaiah, P.
Internal bremsstrahlung accompanying non-unique second-forbidden β-decay of ^{36}Cl. 356913
Venkataraman, Balu
Pulsed ELDOR spectroscopy. 368349
Rotational motions in polyatomic liquids. 371671
Venkataraman, G.
Beta dose due to monazite sands of Kerala. (BARC – 929) 373895
A stochastic approach to anelastic creep. 373282
Venkataraman, S.
Activity report 1975. (RRC – 19) 376403
Venkataramana, P.
The controlled-potential coulometric determination of plutonium based upon cerium oxidation and the PuO_2^{2+}/Pu^{4+} valency change. (AERE-R – 8885) 364906
Venkatesan, K.
Photoproduction in pion pairs at moderate energies. 372379
Venkatesan, P.P.
Kinetic energy distributions in the reactor neutron fission of ^{232}U and thermal neutron fission of ^{241}Pu and ^{245}Cm. 359518
Venkatesan, T.R.
Cosmogenic and radiogenic noble gases in the Dhajala chondrite. 357464
Venkatesh, A.H.
A simple white beam neutron diffraction technique. 366481
Venkateswarlu, K.S.
Removal of radioactive iodine and methyl iodide by use of silver-impregnated resin. 349322
Separation and purification of uranium by ion exchange on stannic phosphate. (BARC – 913) 375648
Venkateswarlu, P.
High temperature fluorescence of Dy^{3+}: LaF_3 single crystal: emission from G-level. 371532
Venkatramani, N.
Thermodynamic calculations for combustion plasma. 348972
Venkov, S.N.
Technique for cascade transition detection. (Soviet patent document 476526/A/) 376599
Venn, J.B.
The caesium-137 content of man related to fallout in rain, 1957-76. 351960
Vennart, J.
The distribution of ^{239}Pu in the skeleton of the mouse. 354841
Venos, D.
Investigation of isub(13/2) excitations in ^{197}Hg and ^{191}Pt. 372774
Investigation of the $i_{13/2}$ excitation in ^{197}Hg. (ZfK – 336) 364790
Nuclear states excited in the (^{3}He,xn) reactions. 354268
Venskovsky, N.Y.
Cesium hydroxoplatinate. 351494
Venskytis, F.J.
Comparison of range and straggle calculations. 375953
Venter, F.A.
Momenta of muons in extensive air showers. 366772
Vento, V.
On the low-energy scattering by velocity-dependent potentials. 358683
Ventre, Edmond
Process and structure of containment of molten salt reactors. 355449
Ventsel', Kh.
Low-temperature mechanical press for Moessbauer effect study. 371182
Venttsel', V.A.
Effect of pressure on the Fermi surface of cadmium. 368896
Magnetic breakdown in cadmium. 374789
Ventura, J.
Cyclotron lines in the Her X-1 spectrum: structure and higher harmonics. 374894
Ventura, L.
The CYCL-OP, a new low cost approach to analog signal fast aquisition for large particle detectors. 371276
Venturello, G.
Calorimetric study at different temperatures of iodine adsorption from organic solutions on outgassed 'eta' alumina and bayerite. 375438
Measurement of the differential cross section for $\pi^-p \rightarrow \pi^0n$ around the Δ(1232) resonance and test of the charge independence principle. 362072
Venugopal, V.
The vaporization thermodynamics of uranium tetrachloride. 369703
Venugopala Rao, P.
Decay of ^{194}Os and L_1 subshell yields at Z = 77. 375182
Venus, G.
Boundary conditions for cryopumping in fusion machines of the Tokamak type. 358970
Description of the cryopumps and cryogenic ancillary equipment as proposed for JET. 358943
Venus, W.
A study of the Dalitz plot in the decay K^0sub(L)$\rightarrow\pi^+\pi^-\pi^0$. 353988
Venzel, G.
Product energy distribution for exothermic reactive collisions. 371481
Vepa, K.
Ammonia turbomachinery design considerations for the direct cycle nuclear gas turbine waste heat power plant. (GA-A – 14171) 358257

Veprek, S.
Damage of graphite surfaces resulting from ion bombardment, studied by means of electron microscopy. Raman- and x-ray photoelectron spectroscopy. 370233
Depth dependence of radiation damage in graphite irradiated with 1 to 4 MeV-^{4}He ions. 377550
Effect of radiation damage on the erosion of graphite by atomic hydrogen. 370234
Surface morphology changes of graphite irradiated with energetic helium ions. 365247
Veprintsev, V.I.
Effect of temperature on adhesion interaction of polycrystallic diamond and elboron contacting with metals. 365177
Verbeck, H.
The influence of surface conditions on the charge state of backscattering hydrogen. 368897
Verbeck, S.L.
Elastic scattering of 0.58 and 0.72 GeV protons from ^{4}He. 361903
Verbeek, B.H.
Inelastic neutron scattering for PdMn 10 at%. (INIS-mf – 4267) 377310
Verbeek, H.
Backscattering of light ions from metal surfaces. 355928
Verberne, J.
The total collision cross section of oriented H_2 scattered by N_2, CO, CH_4, CCl_4, SF_6, $C(CH_3)_4$, CF_4, N_2O and CO_2; derivation of anisotropic potential parameters. 361407
Verbetskij, Yu.G.
Some properties of hadron-nucleus interactions in the energy range from 100 to 1000 GeV. 349087
Study on angular characteristics and multiplicity of secondary particles in cosmic hadron interactions with nuclei at mean energy 400 GeV. 361871
Verbeure, A.
Completely positive maps on the CCR-algebra. 371364
Verbiest, E.
Search for the vacancy annealing stage in heavy ion implanted bcc metals. (INIS-mf – 3996) 366458
Verbiest, R.
Experimental evidence of the effect of peripheral obstructions on the temperature from factor of a spiral wire bundle. 371016
Verbist, J.J.
X-ray photoelectron spectroscopy and its application to polymer electronic structure studies. 374790
Verbitskij, S.S.
High-energy part of gamma spectrum from a synchrotron target. 379955
Verbitskij, V.N.
Uranium and thorium distribution in the rocks of the Teterevskaya series of the Ukrainian shield. 349658
Verbovaya, N.I.
Solid solutions on the base of tetrafluoroborates and perchlorates. 375531
Verche, T.
Microscopic and phenomenological parameters of isobaric analog resonances. 375143
Verdenga, G.L.
Starting system for a 2-meter streamer spark chamber in a 17 GeV/sec α-particle beam. (JINR – 13-9030) 358334
Verdeyen, J.T.
Excitation of highly excited states by collisions between two excited cesium atoms. 366352
Focussing of an ion beam from a reflex triode. (COO – 2765-7) 377453
Potential well formation in electrostatic confinement devices. Technical progress report. (COO – 2323-6) 364180
Study of the acceleration, focussing and bunching of ions by electronic space charge for pellet fusion. Technical progress report. (COO – 2765-5) 356165
Verdiev, I.A.
Transformation laws for an arbitrary fields under conformal group. 355717
Verdizade, N.A.
Investigation of complexing in metal (titanium(3,4), molybdenum(5), niobium(5), tantalum(5), vanadium(2)) – rhodanide – amine system. (INIS-mf – 4192) 375380
Verdurmen, E.A.T.
Sr isotopic homogenization through whole-rock systems under low-greenschist facies metamorphism in carboniferous pyroclastics at Aljustrel (Southern Portugal). 373417
Verebchanu, I.G.
Diffusion titanium coatings on steel and cast iron. (INIS-mf – 4046) 369884
Veremeenko, V.F.
The NAP-M proton storage. 379481, 379519
Veremeev, A.M.
Effect of radiation on the deformation of structural materials. (INIS-mf – 4190) 375946
Veres, A.
Determination of selenium content of animal food-stuff using photon activation analysis. 375381
Photonuclear reactions. 364829
Vereshchagin, L.F.
Compressive strength and thermal resistance of polycrystalline cubic BN. 378779
Vereshchagina, A.P.
Measurement and calculation of the electric field gradient on ^{51}V nuclei in calcium metavanadate. 374721
Vereshchinskij, I.V.
Radiation alkylation of adamantane in liquid phase. 362276
Veretel'nik, V.I.
Measurement of electric potential distribution in dielectrics. 376740
Veretennikov, A.I.
High time resolution and high output current photomultiplier. 358409
Veretennikov, B.N.
Study of phase-structural variations of tantalum carbides during long-time heating in vacuum. 378430
Veretin, M.I.
Material for evaporators (crucible). (Soviet patent document 485175/A/) 349388
Verevkin, A.N.
Measuring the bimetal plates sagging under high-temperature heating. 358020
Verevkin, G.V.
Extraction of platinum metals by alkyl anilines from solutions of chlorination of industrial copper-nickel half-finished products. 362180
Neutron activation determination of iridium in rocks, ores, and ore concentrates. 375980
Verezhnikov, E.E.
Phase composition and structures of alloys of RCo_5 type with alloying elements. 349558
Vergados, J.D.
The structure of neutral currents from nuclear physics. 361981
Threshold π^0 photoproduction from complex nuclear targets. 351318
Verges, J.
Study of the atomic spectrum of holmium. I. 353390
Verges, N.
Experimental and theoretical aspects of effective neutron cross-section evaluation for yttrium nuclei in the 10 keV – 3 MeV energy range. (INIS-mf – 4043) 366951
Verghese, K.
Application of selected mathematical techniques to energy-dispersive X-ray fluorescence analysis. 359551
Short-lived radioactive tracer methods for the dynamic analysis and control of continuous comminution processes by the mechanistic approach. 365684
Tritium diffusion in Al_2O_3 and BeO. 362490
Vergnes, M.
The ^{116}Sn (d,t)^{115}Sn reaction at 23 MeV. 354150
Study of ^{191}Pt, ^{193}Pt, ^{195}Pt and ^{197}Pt using pick-up reactions. (IPNO-PhN – 77-13) 356709
Tandem physics in Orsay. 358002
Vergnes, M.N.
Shape transition between N = 40 and 42 in the Ga and Ge isotopes. 378073
Shape transition between N=40 and 42 in the Ga and Ge isotopes. (IPNO-PhN – 77-23) 369514
Verheij, L.K.
Neutralization and ionization of low energy helium ions scattering from a copper surface. 364142
Verheul, A.
Plasma formation in the belt-shaped screw pinch SP IV. (INIS-mf – 3963) 372072
Verheul, H.
Activation analysis for medical purposes. (INIS-mf – 4267) 378177
Collective bands observed in single closed shell even mass Sn nuclei. (INIS-mf – 4267) 377982
Decay studies of some nuclei around Z = 50: sup(106 m)Ag, sup(103, 119, 121)Cd. (INIS-mf – 3946) 362070
Investigation of ^{119}In and ^{121}In. (INIS-mf – 4267) 378007
Level structure of ^{156}Gd. (INIS-mf – 4267) 378022
Properties of odd Ag isotopes. (INIS-mf – 4267) 378015
The search for the tetra neutron. (INIS-mf – 4267) 377977
Timing experiments and burst suppression at the V.U. AVF-cyclotron. 357970
Verhey, R.
Research with the 4 MV accelerator, ch. 2. (INIS-mf – 3629) 362056
Verhoeven, J.D.
Arc-melting preparation of single crystal LaB_6 cathodes. (US patent document 4,030,963/A/) 373297
A device for precise alignment of electron beam and sample in the scanning electron microscope. 350357
Fabrication of superconducting wire composites by directional solidification. Yearend report on project. (IS – 4280) 378575
Verigin, M.I.
Radial dependence of the electron temperature at heliocentric distances from 1 a.u. to 1.5 a.u. according to the data obtained by measurement in the 'Mars-3' spacecraft. 366701
Veringa, H.
Irradiation-induced creep in fuel compacts for high-temperature reactor applications. 370235
Review of a test programme on irradiation creep of graphites and systemisation of results. 360098
Veriovkin, G.V.
Neutron activation analysis of high purity noble metals (palladium, platinum, rhodium, gold and silver). 375269
Neutron activation determination of noble metals for the analysis of technological and natural materials. 378112
Verizhnikova, G.N.
Corrosion resistance of materials in chlorine. (INIS-mf – 3839) 365086
Verkerk, B.
Actinide partitioning. Arguments against. 358505
Review of Netherlands programme for geological disposal of radioactive waste. 368399
The separation and recycling of actinides: a review of the state of

the art. (EUR – 5801) 361108
Verkhoturov, A.D.
Erosion of the 4-6- and 8 group transition metals under intense laser radiation. 349524
Laser radiation effect on the 4.-5. group transition metal nitrides. 357380
Laser-radiation treatment of heat resisting metals and their compounds. 362503
Regularities in forming hardened layer during electric spark alloying on the mechanized plant EhFI-66. 349552
Structure and content of strengthened layer resulting from electric spark alloying of steel 45. 370043
Verkhoturov, E.N.
Determination of kinetic energies of positive ions in mass spectrum of alkali metal nitrites. 369722
Study of vapors of potassium, rubidium and cesium nitrites by the electron shock method. 369723
Verkhovskij, S.N.
Plastic deformation effect on the mechanical properties and structure of a quenched low-carbon steel. 369995
Possible mechanism of hard alloy strengthening by shock waves. 367288
Verkhovskij, S.V.
Low resolution nmr spectrometer signal detection. 355688
Verkhovtseva, E.T.
Study of the vacuum-UV spectrum of a supersonic krypton jet excited by an electron beam. 353377
Verkhovykh, P.M.
Technological aspects of fuel production for different power reactors. 368044
Verkin, B.I.
Heat transfer in helium-1. 360597
Verkin, V.I.
Experimental superconducting homopolar motors. 360651
Verma, A.N.
Neutron diffusion in finite blocks of beryllium. 363392
Verma, B.G.
Propagation of spherical magnetogasdynamic shock in a radiative gas. 366482
Verma, B.K.
Magnetic and transport properties of Pr_6O_{11}. 351520
Verma, C.K.
Potentiometric study of some new chelates of lanthanum and yttrium. 351516
Verma, D.N.
In vivo estimation of the rate of production of rumen bacteria in buffalo calves. 354898
Measurement of the rate of production of bacteria in the rumen of buffalo calves using ^{14}C Str. Bovis. 352132
Verma, J.C.
Studies on experimental infection of rabbits with irradiated metacercariae of Fasciola giganticas Cobbold, 1885. 352147
Verma, N.C.
Studies of the reactions of hydrogen atoms by time-resolved E.S.R. spectroscopy. 357147
Verma, R.C.
Non-leptonic decays of hyperons and of charmed baryons in SU(8). 353914
Weak radiative decays of hyperons and charmed baryons in SU(4) and SU(8). 359322
Verma, R.M.P.
Problems and improvements – emergency power plants at CIRUS. 379844
Verma, R.S.
Chromosome aberrations produced by 5-bromodeoxyuridine with concurrent exposure to long wavelength UV in Zea mays root tip cells. 360252
Verma, Ravi
X-ray radiographic examination of plug welds of zircaloy-clad fuel elements. (BARC – 911) 376402
Verma, T.R.
Emission of ^{8}Li fragments from K^- interactions with nuclei. 351423
Verma, U.P.
Force constants, Coriolis coupling constants and vibrational amplitudes of a few lanthanide trifluorides. 351540
Vermaseren, J.A.M.
Finiteness of SO(3) and SO(4) supergravity and nonrenormalizability of the scalar multiplet coupling in explicit one-loop examples. 359321
Vermeulen, F.E.
Use of line charge system for a helical electrostatic quadrupole. 374073
Vermeulen, J.C.
Four-nucleon pickup from ^{64}Zn and ^{64}Ni. 372762
The QMG/2 magnetic spectrograph and its focal plane detector. (INIS-mf – 4267) 379877
Vermeulen, L.A.
A light sensitive switch made from semiconducting diamonds. 360127
Vermilyea, D.A.
Components made of corrosion-resistent zirconium alloy and method for its production. (German (F.R.) patent document 2626941/A/) 354465
Vermue, J.
Improved values for the solar micro- and macro-turbulent filter functions. 366709
Verna, B.J.
Radiation exposure and protection problems in nuclear power plants. 379356
Vernazza, J.E.
Effect of sunspots and faculae on the solar constant. 361696
Vernejoul, P. de
Morphological study of pathologic left ventricules (aneurysms, non obstructive cardiomyopathies) from cardiac cavities scintigraphy. (INIS-mf – 4010) 362832
Verner Myuller
Multiposition switch for electronic units. (Soviet patent document 488174/A/) 376708
Verner, M.A.
Structure and properties of metal steam line of the EhI756 steel after long-term operation. 362474
Vernin, P.
$^{12}C(\pi^-,p)^{11}Be$ reaction induced by pions at rest. (LYCEN – 7702(pt.1)) 369473
Study of the $\pi^- + p \rightarrow n + \gamma$ at low energy. (LYCEN – 7702(pt.1)) 369388
Vernois, Yvette
The metabolisme of tritiated water in the rat. (CEA-R – 4861) 354848
Vernon, K.R.
The breeder reactor in electricity supply. 371009
Vernon, W.
A measurement of the form factor ratio gsub(1)/fsub(1) in lambda beta-decay. 369363
Search for narrow resonant states in e^+e^- collisions near 6 GeV. 351208
Vernotte, J.
The ^{116}Sn (d,t)^{115}Sn reaction at 23 MeV. 354150
Study of ^{191}Pt, ^{193}Pt, ^{195}Pt and ^{197}Pt using pick-up reactions. (IPNO-PhN – 77-13) 356709
Vernov, S.N.
Composition of penetrating radiation over the Earth atmosphere by the Kosmos 721 data. 357551
On anomalous anisotropy of solar cosmic ray flux in September 1973. 377661
Study on trapped radiation by the Kosmos-426 satellite. 378947
Violation of scale invariance in hadron interactions at super-high energies. 356336
Vernov, Yu.S.
Properties of the forward elastic scattering amplitude at finite and asymptotic energies. 358688
Verollet, Edmond
Study of turbulent boundary layer with suction and heating at the wall. (CEA-R – 4872) 360598
Veron, P.
BL Lacertae objects. 350999
VerPlanck, D.M.
Nodal coupling by response matrix principles. 374112
Verschure, R.H.
Sr isotopic homogenization through whole-rock systems under low-greenschist facies metamorphism in carboniferous pyroclastics at Aljustrel (Southern Portugal). 373417
Vershinin, G.A.
Cross-section of compound nucleus production in heavy ion reactions. 377943
Vershinin, N.N.
Nuclear quadrupole resonance spectra of antimony-cadmium-zinc alloys. 378681
Versieck, J.
The distribution of trace elements in normal human liver determined by semi-automated radiochemical neutron activation analysis. 369555
Versluis, A.
Tumor detection with radio-labelled bleomycin, a clinical and animal study. (INIS-mf – 4010) 357650
Versluis, R.M.
Maneuvering experience at Calvert Cliffs, Unit 1. 358216
Verster, N.F.
Glory undulations in the total cross section and small angle differential cross section for Ar-Kr. 358708, 376971
Measurements of the inelastic rotational collision cross-section of CsF on several atoms and molecules. (INIS-mf – 3940) 348688
Vertes, P.S.
Lifetime measurements in Li^7 and Be^7. 356749
Vertogradov, L.S.
Estimate of accuracy of π^0-meson lifetime measurement over its atomic decay. (JINR-R – 1-9181) 356527
High-voltage system for the RISK facility. (JINR-R – 13-9740) 376662
Vertut, J.
Classification of transfer techniques at high-activity facilities. 360705
New MA 23 master-slave manipulators with servo control and force feedback. Their application in routine work and in scheduled and exceptional operations. 360706
Results achieved in the standardization of protection, manipulation, detection and safety systems. 360481
Vervier, J.
Multipolarities of prompt transitions in ^{156}Dy and spin-parities of the upper band levels. 356716
Verwimp, A.
An in-pile sodium loop for investigation of local cooling disturbances in LMFBR's. 374279
Veryatin, U.D.
Investigation of fission products behaviour in application to fluoride method of oxide fuel regeneration. 378566
Verzegnassi, C.
$\pi\pi$ scattering at high complex energies. 361780
Bounds for $\pi\pi$ scattering lengths. 364551

Low-energy πΔ photoproduction and the Δ N axial- transition vertex. 359229
Optimal techniques for the extrapolation of SU_2 violating πnucleon amplitudes. 353080
Pl-Pl scattering at high complex energies. (IC – 76-120) 361781
Vescia, G.
Design and safety criteria of the alpha-gamma hot laboratory of CNEN, Italy. 360656
Vesecky, J.F.
The gross energy balance of solar active regions. 372160
Veselago, L.S.
Coprecipitation of iodide, iodate and periodate ions with hydroxides. 359752
Coprecipitation of thallium (1) with zirconium and iron hydroxides and separation of thallium (1) and thallium (3). 369724
Veselkin, N.V.
Control unit for a three-dimensional quadrupole mass spectrometer with mass spectra unfolding by frequency variation. 358447
Veselova, G.V.
An acceleration evaluation of the performance of the Soviet-French wide-gap spark chamber for gamma-ray astronomy. 368266
Veselova, V.A.
Isolation and identification of the chemical nature of a natural modifier of radiation mutagenesis in Vicia faba and its possible mechanism of action. 362653
Veselovskij, V.I.
Electrochemical properties of titanium-ruthenium alloys in the processes of anodic synthesis. 378411
Veselovskij, V.V.
Organic boron compounds. 373003
Vesely, D.
The electron beam damage of synthetic polymers. 373100
Vesely, M.
Gland system, especially for nuclear power plant circulation pumps. (Czechoslovak patent document 157423/B/) 350144
Vesely, W.B.
Time-dependent methodology for fault tree evaluation. 349906
Vesely, W.E.
FRANTIC: a computer code for time dependent unavailability analysis. (NUREG – 0193) 373874
The Rasmussen report. A retrospective and prospective view. 370587
Vesely, W.E. Jr.
Important event-tree and fault-tree considerations in the reactor safety study. 357795
Veshcherevich, V.G.
Positron source for the VEPP-4 storage. (INIS-mf – 3846) 350057
Veski, A.Yu.
Convective heat transfer in a tube cluster on asymmetric flow-around. (INIS-mf – 3957) 365695
Vesolovska, R.
Radiation draft of N-methylolacrylamide in solid phase to cotton cellulose. 367163
Vespalec, R.
Determination of neutron spectrum in SR-O reactor by activation technique. 371105
Vesper, M.J.
Binding of $^{45}Ca^{2+}$ to particulate fractions of coleoptile tissue. 354905
Vestergombi, G.
Study on the matrix element in K degsub(L) –→ πsup(+-) + e sup(-+) + ν decays. 349090
Vesterlund, G.
Anti-corrosion treatment of zirkaloy sheetings for use in reactors. (Swedish patent document 7502865-4/B/) 357240
Vet, A.J.T.M.
Location and size of acute transmural myocardial infarction estimated from ^{201}Tl scintiscans. A clinicopathological study. 352134
Veta, N.
Study of one-proton transfer reactions in tellurium isotopes. 354272
Vetkhter, B.G.
Interference nuclear acoustic resonance in crystals with the Jahn-Teller cooperative effect. 356068
Vetlitskij, I.A.
Superconducting magnets for shaping beams of particles with a small life-time. (ITEF – 93(1975)) 374095
Vetokhin, S.S.
Use of the FEU-114 photomultiplier with dynode gills system in the regime of photon counting. 371149
Vetrov, A.A.
Rolling of molybdenum bars on mills with multi-roll passes. 359864
Vette, J.I.
Ap-8 trapped proton environment for solar maximum and solar minimum. (N – 77 – 18983) 351076
Vetter, J.
Development of rf superconductivity at the nuclear research center Karlsruhe. (KFK-EXT – 3/76-5) 374997
Vetter, J.E.
Operation experiences with the test section of a superconducting heavy ion post accelerator. 363252
Vetter, R.
Investigation of the sensitivity of the beta-backscattering method with regard to the measurement of thin coatings by means of a ^{14}C special preparation. 352360
Vetter, R.J.
Effects of altered thyroid states on cesium-137 accumulation in the liver of rats. 370403
Vetterkind, D.W.
Graph theory methods for calculating the reliability of power plant systems. Pt. 1. 376862
Vettier, C.
Pressure dependence of magnetic excitations in PrSb. 367281
Veveris, O.Eh.
Determination of trace amounts of halide-ions as amylmercury halides by means of radioactive reagent. (INIS-mf – 4188) 375382
Veverka, O.
Some discussions on micrometeorology and atmospheric diffusion of classic and radioactive industrial pollutions. 4. (ZJE – 203) 349687
Vexler, A.M.
Seasonal oscillations of the radiosensitivity of cells in culture. 349694
Veyradier, C.
Description of the 4πβ(CP)-γ unit no. 3 in use at B.I.P.M. (BIPM – 75-2) 355080
Veyrat, M.
Long term evolution of the immune response in the rat irradiated at mean and high doses. 354782
Vezhbitski, Ya.
Spin dependence of the total neutron cross section of ^{169}Tm and ^{141}Pr in the neutron energy range up to 100 keV. (JINR-R – 3-10835) 377954
Veziroglu, T.N.
Two-phase flow and heat transfer symposium-workshop. Proceedings of condensed papers. 365700
Vezzetti, D.J.
Comments on renormalization group series. 376942
Vial, F.
Structural transformations in the electron beam welded heat affected zone of titanium beta III alloy. 378750
Vialle, J.P.
Study of neutrino proton elastic scattering in the 'Gargamelle' freon experiment. 377821
Vialle, M.
A spectrometer for gaseous studies in the soft X-ray range. 371151
Viano, J.B.
Complete identification of products of the reaction $^{20}Ne + ^{12}C$ at 110 MeV. 354239
Viccaro, P.J.
Experimental studies in $HfFe_2$ by CAP, Moessbauer spectroscopy and magnetometry. 364065
Moessbauer effect in iron doped carbonates. 353415
Vicentini, G.
Cyclic sulphoxides as ligands. 369728
Vichi, E.J.S.
Moessbauer spectroscopy studied of tris (2-pyridinalimine) and tris (2-pyridilketoimine)-iron(II) complexes. (CBPF – A0033/77) 364105
Vichniac, G.Y.
Collisions of two nuclear potentials for heavy ions. (LYCEN – 7702(pt.2)) 369453
Vichon, D.
Electron impact excitation of high vibrational levels of the H_2, NO and O_2 ground states. 350621, 353257, 353258, 377024, 377025
Feshbach resonances in electron scattering from NO. 353256, 377023
Vichova, D.
The role of nuclear heat sources in district heating and electric power distribution systems. (INIS-mf – 4054) 368425
Victor, G.A.
Theoretical studies of highly ionized species. Progress report, March 1, 1977 – February 28, 1978. (COO – 2887-2) 376998
Victorov, V.A.
Study of the reaction K^-p–→anti K^0n at momenta of 25 and 40 GeV/c. 356482
Victory, D.
N-group neutron transport theory: a criticality problem in slab geometry. 356541
Vidal, N.V.
Gas stripping from spirals within X-ray clusters of galaxies. 372293
X-ray binary HD77581 + 3U 0900-40. (CONF-7510169 –) 364420
X-ray clusters of galaxies: what to plot against X-ray luminosities. 369227
Vidali, G.
Elastic and inelastic scattering of ^{20}Ne and ^{22}Ne from a (001) surface of lithium fluoride. 368890
Vidali, M.
Preparation and properties of mononuclear and binuclear uranyl(VI), thorium(IV) and transition d ions complexes with multidentate Schiff bases. 359763
Vidali, P.
Acoustic emission measurements during the first pressure vessel hydrotest at ENEL – Caorso BWR. 365858
Vidberg, H.J.
Solving the Eliashberg equations by means of N-point Pade approximants. 369260
Videnskij, V.G.
Microdosimetric analysis of RBE of protons delivered to cells of diploid yeast. 370328, 370331
Viderman, V.S.
Thermochemical treatment of boron carbide. 375803, 375934
Vidil, R.
Primary circuit thermal hydraulic analysis of Super Phenix 1 Reactor; sodium and structures temperatures calculations; salt water tests – hot water tests. 371033

Vidyakin, G.S.
Intrinsic background of the SNM-57 proportional neutron counters. 379956
Vidzhkh, A.K.
Effect of cohesion of metals in solid state on their solubility in solid mercury. 349553
Viehboeck, F.
Measurements of the velocity spectrum of sputtered Na from a NaI target by a Doppler-shift laser spectrometer. 366341
Viehboeck, F.P.
Proceedings of the seventh international vacuum congress and the third international conference on solid surfaces. Volume 1. 368639, 368671, 368728, 368730, 368731, 368732, 368733, 368734, 368735, 368739, 368741, 368742, 368743, 368744, 368745, 368749, 368752, 368753, 368754, 368755, 368756, 368758, 368761, 368762, 368763, 368770, 368771, 368772, 368775, 368776, 368778, 368780, 368781, 368783, 368786, 368787, 368788, 368791, 368792, 368793, 368799, 368800, 368801, 368802, 368805, 368807, 368812, 368814, 368817, 368819, 368820, 368822, 368826, 368827, 368829, 368830, 368831, 368836, 368839, 368846, 368848, 368849, 368854, 368855, 368859, 368860, 368861, 368862, 368863, 368865, 368866, 368868, 368869, 368871, 368872, 368874, 368876, 368877, 368878, 368880, 368884, 368885, 368888, 368889, 368890, 368893, 368895, 368897, 368904, 368905, 368906, 368916, 368918, 368925, 368935, 368939, 368942, 368948, 368964, 368978, 368980, 368992, 368993, 369005, 369006, 369010, 369246, 369250, 369253, 369524, 369533, 369556, 369561, 369572, 369578, 369796, 369900, 369901, 369903, 369906, 369907, 369908, 369916, 369918, 369921, 369923, 369925, 369941, 369946, 369959, 369962, 369973, 369987, 369993, 369996, 369999, 370005, 370007, 370014, 370026, 370031, 370033, 370035, 370038, 370040, 370055, 370056, 370060, 370070, 370071, 370072, 370075, 370079, 370137, 370158, 370181, 370185, 370207, 370228, 370233, 370674, 370675, 370676, 370677, 370680, 370683, 370738, 370743, 370749, 370752, 370755, 370764, 370767, 370775, 371083, 371089, 371178
Viehweg, H.J.
Simulation of radiation-induced creep in special steels. 370214
Vieillard-Baron, B.
Development of the production of special steels for nuclear industries. 354573
Vieillefosse, P.
Transport coefficients of the classical one-component plasma. 356084
Vieira Junior, N.D.
Fusion of $^{27}Al + {}^{16}O$ and $^{12}C + {}^{16}O$. 364984
Scattering chamber for the measurement of heavy ions time-of-flight. 364555
Vieira, D.J.
^{61}Ge: a new beta-delayed proton precursor. (LBL – 5075) 356914
Vieira, S.R.
Localization of underground pipelines with a ^{137}Cs source. 352365
Vien, Ch.
On properties of the negative parity levels in Tl, Au, Ir odd nuclei. 377945
Vieregge, U.
The environmental compatibility examination in nuclear licensing. 352991
Viet, N.T.
Microwave applications of superconducting materials. 364454
Vieth, J.
Remotely controlled computer-guided preparation facility for X-ray fluorescence measurement samples at a fuel reprocessing plant. 354470
Vietzke, E.
Crossed beam kinetics: angular product distribution of the reaction of Br with CH_3I. (INIS-mf – 3940) 348689
Vieu, C.
The particle-cluster vibration and the particle-asymmetric rotor description of ^{193}Au. (ZfK – 336) 364830
The potential energy surfaces and the nuclear deformations of odd-mass Tl, Au, Ir and Re isotones. (ZfK – 336) 364833
Spherical and deformed descriptions of the $9/2_1^-$ level. (ZfK – 336) 364763
Vieux, A.S.
Extraction of tungsten (VI) from hydrochloric and nitric acid solutions by tri-isooctylamine in various organic diluents. 351585
Vigant, A.Ya.
Device for detection of nonhomogeneities in liquids. (Soviet patent document 432438/A/) 350380
Vigato, P.A.
Adducts of uranium tetrachloride with neutral Schiff bases. 357094
Preparation and properties of mononuclear and binuclear uranyl(VI), thorium(IV) and transition d ions complexes with multidentate Schiff bases. 359763
Vigdor, S.E.
Energetic charged particle yields induced by pions on complex nuclei. 359494
Energy dependence of the distribution of reaction strength in the $^{16}O + {}^{40}Ca$ collisions. (ANL – 77-60) 378024
Vigdorovich, V.I.
Corrosion of armco iron during cathodic polarization in strongly acidic chloride solutions. 367187
Vigerstad, T.J.
Field responses to zooplankton populations to temperature changes caused by reactor operations. (DP – 1455) 367413
Viggars, D.A.
Intermediate-structure effects in the reaction $^{12}C(^{16}O, {}^{20}Ne)^8Be$. 366966
Viggiano, J.M.
The ratio of energy gap to transition temperature in amorphous superconductors. 359997
Vigier, J.P.
Red-shifting of light passing through clusters of galaxies a new photon property. 359123
Vigil, J.C.
CHAP: a composite nuclear plant simulation program applied to the 3000 MW(t) HTGR. (LA-UR – 77-1757) 358264
Vigman, P.B.
Particle mass in a one-dimensional model with four-fermion interaction. 376950
Vignato, A.
Recognition of objects and position recovery from microdensitometer measurements of large field plates. 372133
Vignaud, D.
Total cross sections for charged-current neutrino and antineutrino interactions in BEBC in the energy range 20-200 GeV. 353945
Vigneulle, R.M.
Late effects of fission neutron and ^{60}Co gamma radiation on the hematopoietic stem cell compartment in the mouse. 362690
Vignon, B.
Evidence of parity violation in neutron capture by ^{117}Sn. 362037
Vignudelli, A.Q.
Search for 'charm' in nuclear emulsion. 353946
Vigvari, Z.
A search for an effect of ultrasound alone and in combination with X-rays on chromosomes in vivo. 365385
Vijay, P.L.
Fused salt electrorefining of zircaloy scrap. 367224
Vijay, R.G.
Uranium(V) complexes of dibasic tridentate and tetradentate Schiff bases. 367159
Vijayan, C.P.
Determination of the mechanism of evolution of hydrogen on niobium in an alkaline medium. 357191
Vijayaraghavan, R.
Low temperature NMR Knight shift studies in $SmSn_3$. 378678
NMR studies in some $REPt_3$ alloys. 366417
Rare earth cobalt permanent magnets. 366419
Vijendran, P.
Study of tungsten – water and copper – water reactions by field emission microscopy. 370031
Vijuk, R.P.
Westinghouse emergency core cooling system evaluation model application to plants equipped with upper head injection. Volume II. (WCAP – 8480-NP(Rev.2)) 379317
Vikaruk, L.N.
Infrared spectra of glasses of $BaO-SrO-Al_2O_3-TiO_2-SiO_2$ system. 359585
Vikent'eva, T.K.
Behaviour and spatial distribution of radioactive elements in intrusive rocks of Megrinsky pluton (Armenia). 375979
Vikhrev, V.V.
Magnetic bremsstrahlung in Z-pinch. 348973
Three-fluid MHD-model of a current shell in Z-pinch. 348881
Vikhrova, L.V.
Instrumental neutron activation analysis of rocks of Pechenga suite. 354313
Vikis, A.C.
Carbon-13 isotope enrichment in the photolysis of CO with the 123.58 nm Kr resonance radiation. 379373
Viksne, L.I.
On determination of phosphorus in nickel alloys containing chromium titanium and niobium. 375294
Viksne, L.N.
Determination of boron with 1,1sup(') diantrimide in aluminium alloys. 375293
Vikterloev, K.J.
A fast whole-body imaging device. (INIS-mf – 4010) 358396
Viktorov, V.A.
Performance study of spark wire chambers in extreme regimes. 371145
Search for associated production of charmed particles in π^-p collisions at 40 GeV/c. (IFVE-PEF – 76-69) 361868
Viktorova, E.A.
Isotopic exchange of some heterocyclic compounds with D_2O on metals of group 8. 369640
Vikulin, V.V.
Radiation alkylation of adamantane in liquid phase. 362276
Vil'danova, N.F.
Slip geometry during niobium-molybdenum monocrystal expansion. 370011
Temperature dependence of yield strength and slocational structure of niobium-molybdenum solid solution monocrystals. 370012
Vila, S.C.
Thermal stability of hydrogen-burning shells in white dwarfs. 364421
Viland, E.S.
Black chromium coatings on different structural materials. 351706
Vilcek, S.
Age dependent sup(99m)Tc-Sn-oxytetracycline uptake by the rat myocardium after isoprenaline administration. 373677
Preparation of sup(99m)Tc-Sn-tetracycline antibiotics and their organ distribution in rats. 373019
Vilcov, I.
Potential barrier parameter systematics for the U, Pu, Am, Cm and Bk isotopes. 377976
Vilcov, N.
Potential barrier parameter systematics for the U, Pu, Am, Cm and Bk isotopes. 377976

Vilesov, F.I.
Photocatalytic properties of beryllium oxide. Photoactivated homomolecular oxygen exchange. 351519
Vilhjalmsson, R.
Dynamic nuclear polarization of tin-119 nuclei in free radical solutions. 353499
Vilisov, V.F.
Improvement of the cooling technology and heat treatment of electroslag- and arc vacuum melted ingots of strong trough structural steels. 375786
Vilisov, V.N.
Complexing and extraction of elements from trichloroacetate solutions with diantipyrylmethanes. 364905
Viljoen, J.du P.
The influence of spin-phonon-interactions on the phonon-self-energy in a magnetic crystal. (INIS-mf - 4148) 366309
Vilkov, L.V.
Dependence between vibration amplitudes and internuclear distances. 349262
Villa, F.
Effect of high gas density and energy control on spark width in narrow-gap chambers. 379930
Villa, G.
Low energy γ-ray observation of NGC4151. 359075
Villafana, T.
Health physics aspects of the EMI computerized tomography brain scanner. 370662
Villanen, H.
Charge asymmetry at large psub(T) in inelastic anti pp reactions at 22.4 GeV/c. 353943
Multiplicities and forward-backward correlations in anti pp interactions at 22.4 GeV/c. 366882
Villanen, P.
Charge asymmetry at large psub(T) in inelastic anti pp reactions at 22.4 GeV/c. 353943
Multiplicities and forward-backward correlations in anti pp interactions at 22.4 GeV/c. 366882
Villani, A.
Plutonium utilization in fast-breeder and light-water reactors in Italy. 368216
Sum rules and superconvergence for the optical constants influencing optical activity, and for Faraday effect and Voight effect. 353164
Villardi, G.C. de
Uranium(IV)-crown-ether complexes and cryptates. 373004
Villari, A.
Reconstruction of the momentum of a particle moving in an axially symmetric magnetic field. 358344
Villaros, M.
Utility training. 352572
Villarroel, D.
A new two-potential approach for electric and magnetic charges. 353165
Villeneuve, J.
Safety requirements and options for a large fast neutron reactor. 370539
Vinai, I.
Prompt neutron spectrum in thermal fission of ^{235}U in the energy range from 10 keV to 1 MeV. (INIS-mf - 3896) 356816
Vinarov, I.V.
Extraction of hafnium rhodanides by cyclohexanone from hydrochloric-acid solutions. 351586
On kinetics of vanadium extraction from hydrochloric acid solutions by tri-n-butyl phosphate. 365007
Synthesis of vanadium trioxide. 349311
Vince, J.
A novel technique for measurement of energetic hydrogen flux to the walls in fusion devices. 377397
Vincelli, M.L.
Measurement of $\pi^-p \rightarrow \pi^0n$ at large momentum transfer. 372503
A new fast and programmable trigger logic. 371097
Observation of a meson $X \rightarrow 2\gamma$, with mass 2.85 GeV/c^2, produced in the charge-exchange reaction $\pi^-p \rightarrow Xn$ at 40 Gev/c. 377780
Study of the reaction $K^-p \rightarrow$ anti K^0n at momenta of 25 and 40 GeV/c. 356482
Vincent, E.
Photoproduction of neutral pions near threshold. (LYCEN - 7702(pt.1)) 359539
Vincent, J.R.
Matter-antimeter annihilation and the cosmic gamma-ray bursts. (TRITA-EPP - 76-12) 361746
Vincent, P.
Mechanism of excitation of two-electron - one-photon K x rays in heavy-ion collisions. 358749
Production mechanisms for characteristic and non-characteristic X-rays in heavy ion collisions. 353378
A search for positron emission from atomic collision processes. (ZfK - 336) 364737
Vincent, P.C.
Attempted cell synchronization in the treatment of acute non-lymphoblastic leukemia in adults. 370452
Vinciguerra, D.
Mapping of molecular orbitals in CO_2 and SF_6 obtained by (e,2e) technique. 353365
Validity of the (e,2e) reactions as a probe of the atomic and molecular structure. 371485
Vinck, W.
Reactor safety practices and criteria in Europe: status and techniques. 363037
Vinck, W.F.
Examples of application and correlation studies for safety rules and standards in nuclear power plants, and related considerations. 352301
Safety practices and standards, developments and incentives for international co-operation. 370623
Vincour, J.
Multiple scattering of fast charged particles in silicon. 379957
Production of nonpolarized and polarized 14 MeV neutrons. 354233
Yields of nuclear reactions for the production of radiopharmaceuticals ^{18}F, ^{43}K, ^{67}Ga, ^{111}In and ^{123}I with charged particles. (UJF - 4199-B) 377969
Vincx, H.
Description of positive parity bands in odd-mass In isotopes. 372621
The Jsup(π) = $(9/2)^+$ bands in odd-mass Sb and I isotopes: evidence for deformed states. 372624
Magnetic moment of the J/sup π/+ isomeric level in ^{134}Te. 351289
Vinduska, M.
Nuclear structure effect in internal conversion of the 166 keV hindered M1 transition in ^{139}La. 377933
Nuclear structure effect on the internal conversion of the 166 keV transition in ^{139}La. 354106
Vine, J.D.
Lithium resources and requirements by the year 2000. (USGS - 1005) 364173
Vinel', G.V.
Gas-thermochromatographic method for astatine separation. Relative yield of astatine isotopes from uranium. 378495
Vingiani, G.B.
g-factor of the 5/2 level at 40 keV in ^{45}Ti. 364751
Vinh Mau, N.
A microscopic calculation of the alpha-nucleus potential. (IPNO-TH - 77-33) 359445, 362029
Nucleon-alpha potentials. 354083
Vinh Mau, R.
Some bounds on pion-scattering amplitudes and their applications. 364484
Vinhas, L.A.
Design, construction and description of a triple axis neutron crystal spectrometer. (IEA - 477) 351352
Study of the interaction of slow neutrons with DNA molecules: hydration and moving freedom of hydrogen atoms. 354751
Thermal neutron spectra measurements in IEAR-1 Reactor, by using a crystal spectrometer. (IEA - 397) 354189
Vinitskaya, G.P.
Activation analysis of Dzhezkazgan rock mineral samples. 359544
Vinitskij, S.I.
Schroedinger perturbation theory in the adiabatic representation of the three-body problem. 376951
Vinkler, E.
100 MHz measuring generator. (JINR - 13-9676) 379997
Vinograd, M.I.
Study of austenite grain form in a structural steel. 373285
Vinogradov-Zhabrov, O.N.
Kinetics of rhenium electrodeposition from chloride melt. (INIS-mf - 4189) 375409
Vinogradov, A.F.
Primary principles of the ES-5012 magnetic storage device use in the SDS-1604A computer. (JINR - 11-9188) 352829
Real-time counter in the BESM-4 computer. (JINR - 10-9190) 366219
Vinogradov, A.V.
Density-dependent lines of one- and two-electron ions in diagnostics of laboratory plasma. I. 366623
Laser-produced dense plasma diagnostics based on spectra of hydrogen-like and helium-like multicharged ions. 348869
The observation of intercombination lines $1s3p\ ^3P_1 \rightarrow 1s^2\ ^1S_0$ of multicharged He-like ions in laser-produced plasmas. 358917
Plasma natural oscillation effect on the frequency of inelastic atom-charged-particle collisions. (INIS-mf - 3915) 348742
Vinogradov, B.G.
Viscosity characteristics of alloyed iron melts. 369899
Vinogradov, B.N.
Ultracold neutron transport in the diffusion approximation. (INIS-mf - 3895) 354017
Vinogradov, E.E.
Study of solubility and solid phases in the HIO_3-$Mg(IO_3)_2$-H_2O system at 50 deg C. 362222
Vinogradov, I.V.
Thermal stab lity of hexachloro- and hexabromotechnetates of ammonium. 378431
Vinogradov, L.I.
Probability of the spin flip in 6 MeV proton inelastic scattering on ^{26}Mg. 378074
Study on angular distribution of decay products of ^8Be ground state. 349141
Vinogradov, V.B.
Four-prong π^-p interactions with π^0 production. Pt. 2. Cross section determination by statistical method; study on characteristics of proton and neutron production. (JINR-R - 1-8793) 364460
Spectra of protons emitted backwards in the interaction of 5 GeV/c π^--mesons with C nuclei. (JINR-R - 1-8977) 364567
Vinogradov, V.G.
Machining effect on revealing the defects when testing tightness. 373156

Vinogradov, V.N.
Analysis of neutron cross-sections in the resonance range by means of the Pade approximation. (INIS-mf – 4043) 363739
Application of the Pade approximation to the expansion of functions into sum of exponents for neutron physics problems. (INIS-mf – 4043) 361916
Estimation of cross section of fast neutron radiative capture by gold-197. (INIS-mf – 4043) 362111
Radiative capture of fast neutrons by ^{238}U nucleus. (INIS-mf – 3897) 356915
Vinogradova, N.K.
Study on the D-T mixture permeability through structural materials and problems of its decrease. (INIS-mf – 3954) 362475
Vinogradova, O.A.
Direct energy conversion of monochromatic ion beams with space charge compensation. 374865
On a possibility of application of an ion transit recuperator. (INIS-mf – 3954) 361645
Vinogradskaya, E.L.
Effect of γ-radiation on structure and properties of polyethylene. 349364
Vinokurov, V.A.
Transverse shrinkage in electron beam welding. 349409
Vinokurov, V.M.
Digital integrator for a pulsed nmr spectrometer. 358446
Pulsed variation of the temperature of the dipole-dipole interaction resevoir in double nuclear-nuclear resonance. 368875
Scheme of hydrogen bonds in lanthanum perrhenate tetrahydrate $La(ReO_4)_3x4H_2O$. 359653
Vinokurov, Yu.V.
Effectiveness of protection of graphite with pyrocarbon against aggressive media. 378789
Vinokurova, G.A.
Thermodynamic properties of indium-copper alloys. 365008
Vinokurova, I.Yu.
Method of determining the blood flow rate in the portal vein and liver systems. (Soviet patent document 465810/A/) 349815
Vinoslavskij, M.N.
Destruction of the pinch channel in a germanium electron-hole plasma by a longitudinal magnetic field. 374791
Vinson, B.B.
Analysis of natural systems. Quantitative ecology of impact evaluation. (BNWL – 2100(Pt.2)) 362568
Vinter, I.K.
Investigation of dependence of ion-exchange properties of modified zirconium phosphate on quality of initial oxozirconium nitrate. 351480
Vinz, P.
Fuel rod for liquid metal-cooled nuclear reactors. (German (F.R.) patent document 2449597/B/) 352784
Vinzelberg, H.
Investigation of the heat conductivity of niobium in the temperature range 0.05 – 23K. 351748
Vinzens, K.
Earthquake design of the components of the heat transfer system. 376559
Earthquake design of the piping heat transfer system. 376560
Improving the seismic strength of pipelines and components of the KNK-II heat transfer system. 371013
Viola, V.E. Jr.
Dissipation, mass exchange and the microscopic time scale of heavy-ion collisions. 362102
Interaction times for damped heavy-ion collisions. 359440
Violet, C.E.
Anisotropic production of laser-plasma soft x rays and fast electrons from thin plastic targets. 372074
Viollier, R.D.
Accurate determination of the ^{3}He-dp and ^{3}He-d*p coupling constants. 351303
Coupling constants for several light nuclei from a dispersion analysis of nucleon and deuteron scattering amplitudes. 372586
Dispersion analysis of nucleon scattering by light nuclei. 377762
Vacuum polarization potential for two extended charge distributions. 375134
Viotti, R.
The energy distribution and the recent light history of X Persei. 359147
Virchenko, M.A.
Low speed turbines for nuclear power plants. 379564
Virchenko, Yu.P.
Quantum virial expansions in the theory of kinetic equations. 348622
Virgil'ev, Yu.S.
Impact strength of structural graphite. 375938
Microporosity and irreversible changes in the properties of high-irradiated graphite. 370236
Properties of carbon-carbon composition materials of the type of syntactic foams. 378819
The Young modulus of carbonic material and its connection with the crystal structure. 375958
Virjo, A.
Computerized on-line analysis of multidetector renograms for routine use. (INIS-mf – 4010) 366059
The design of the detector and collimators for a hybrid scanner. 361063
Principles of reverse neutron time-of-flight spectrometry with Fourier chopper applications. (VTT-REA – 30) 366031
Virk, H.S.
Fission track ages of Himalayan muscovites (Kathmandu Valley, Nepal). 354683
Fission track ages of some Himalayan muscovites (Kathmandu valley, Nepal). 354661
Virnich, H.
The scintigraphy of the brain: development, methods and present consequence. 352095
Virsik, R.P.
The RBE of 30 kV X-rays for the induction of dicentric chromosomes in human lymphocytes. 349714
Viruava, L.A.
Water effect on radiolysis of solid inorganic nitrates. 369790
Viryasov, N.M.
Photography system for the "Ludmila" facility. Tape transport mechanism, gas panel and control electronics. (JINR – 13-9710) 376608
Vis, R.
The search for the tetra neutron. (INIS-mf – 4267) 377977
Vis, R.D.
Activation analysis for medical purposes. (INIS-mf – 4267) 378177
On the use of an ion-accelerator for trace analysis. 364925
Visentin, R.
Results of the Torino search for quarks. 369362
Visentin, R.J.
A rapid one-step kit for the routine preparation of basic sup(99m)Tc penicillamine. 375656
Viseur, R.
The European Community case for nuclear power. 366126
Vishchakas, Yu.
Radiation of electron-hole plasma in GaSe monocrystals. 377158
Vishev, Yu.V.
On determination of region of essential radiation-chemical induced chain reaction of glycidyl methacrylate. 375701
Vishnevetskij, V.N.
The Uragan-2 experimental thermonuclear device of stellarator type. 350798
Vishnevskaya, K.P.
Investigation of rho^0 and ω mesons production in π^- p interactions at 40 GeV/c. 375060
Study on the π^- ^{12}C interactions at 40 GeV/c with backward proton emission on the laboratory system. (JINR-R – 1-8566) 359330
Two-particle correlations of charged particles and γ quanta in the π^-n interactions at the momentum of 40 GeV/c. 375059
Vishnevskij, A.S.
Positron annihilation in boron nitride crystals. 371698
Vishnevskij, A.V.
Shaper-amplifier for proportional chambers. 371146
Vishnevskij, M.E.
Data reading system from wire spark chambers with ferrite rings. (ITEF – 53) 366060
Vishnevskij, N.K.
Relative yields of 25 GeV/c K$^-$-mesons, antiprotons, and antideuterons during interaction of 70 GeV protons with nuclei. 369350
Vishnevskij, V.N.
Intracentre luminescence of $SrCl_2$-Pb single crystals. 361481
On luminescence of $SrCl_2$-Eu^{2+} single crystals. 350967
Vishnyakov, E.M.
Photoconductivity of Pbsub(1-x)Snsub(x)Te doped with indium and cadmium. 360006
Vishnyakov, Eh.Kh.
Optimal conditions for measurements in the section dismembering using density gamma-gamma logging. 360160
Vishnyakov, V.A.
The application of TEhN-30 electrocharged pumps in vacuum system of linear electron accelerator. (KFTI – 75-10) 355188
Heat insulation of the electron gun cathode unit in the cryostat. (KFTI – 75-10) 352386
Vishuyakov, Eh.Kh.
Angular distribution of scattered gamma radiation from ^{137}Cs source in density gamma-gamma logging. 360159
Vishwanath, P.R.
On the high energy proton spectrum measurements. 372156
Visinescu, A.
Difference equations in axial hyperchanneling theory. 355974
Visinescu, M.
Renormalization group equations with multiple coupling constants. 361267
Viskanta, R.
Nonstationary natural convection of a heat-generating liquid with an internal source in a closed cavity. (INIS-mf – 3957) 363108
Visnjic, V.
Meson wave functions in 2-dim QCD. (BONN-HE – 77-18) 369291
Radiobiological effects of joint action of alpha radiation (^{210}Po) and quartz dust in the rats respiratory and renal system. 354866
Visser, D.
A search for the I peak at 2.60 GeV/c^2 in 12 GeV/c anti pp interactions in the CERN 2m HBC. 377781
Visser, J.
Physical separation of the cycling and noncycling compartments of murine hemopoietic stem cells. 370376
Visser, T.J.
A new radioimmunoassay of thyrotropin-releasing hormone. 362837
Visvanathan, A.
Contrasting behavior of hsub(9/2) and isub(13/2) bands in ^{185}Au. 378014
Viswanadham, R.K.
Development of 'cemented alloy carbides' for hard rock boring. Final report 1 Oct 1974 – 31 Dec 1976. (PB – 266665) 360014
Viswanathan, R.
Effect of neutron irradiation on single crystal V_3Si. (BNL – 23015)

351912
Effect of stress and temperature on the creep and rupture behavior of a 1.25% chromium – 0.5% molybdenum steel. 359999
Pressure dependence of T/sub c/ for the shear-stress-induced tetragonal phase of V_3Si. 364455
Visyashcheva, G.I.
Studing carbonate compounds of pentavalent actinoids with alkali metal cations. 369768
Vitale, A.
On the initial population of the 2S metastable state in muonic hydrogen and deuterium. 359232
Vitale, P.
Dacryoscintigraph evaluation of the repaired lacrimal drainage system. 352105
Vitali, G.
Amorphous-polycrystal transition induced by laser pulse in self-ion implanted silicon. 355982
Vitello, P.
Evolution of expanding nonthermal sources. I. Nonrelativistic expansion. 351093
Vitenko, V.A.
Experimental evaluations of fission neutron emission probability during time above 10^{-14} seconds. (INIS-mf – 3896) 356714
Measurement of fission neutron spectra of ^{252}Cf in the energy range from 0.02 to 2.0 MeV. (INIS-mf – 3896) 356698
Vitiello, G.
Relation between projective geometry and group contraction in spontaneously broken symmetry theories. 355742
Vaccum structure for unstable particles. 364489
Vitinya, I.A.
Use of fast neutron activation analysis for determination of elemental composition of titanium and vanadium phosphates. (INIS-mf – 4188) 375378
Vitkovskij, L.I.
Power units with WWER-440 type reactors. 368152
Vitman, R.F.
On the problem of γ-radiative defects in crucibleless high-resistance silicon. 348766
Vitman, V.D.
sup(177)Os and sup(179)Os decay. 377971
Vitola, I.A.
Analytical reactions of NO_3^-, VO_3^-, AsO_4^{3-}, MoO_4^{2-} ions with silicon. (INIS-mf – 4188) 375227
Vitovskii, N.A.
Variations of the energy spectra of the impurity atoms in InSb under 4.2 K gamma irradiation. 370190
Vitrichenko, Eh.A.
Unique object KR Aurigae. 369186
Vitrikhovskij, N.I.
Conductivity type inversion in CdSsub(x)Tesub(1-x) affected by a high pulse of ruby laser radiation. 374763
Solid solutions of (ZnTe)sub(x)(CdSe)sub(1-x). 360000
Vitsorek, Eh.
Kornwell-Norton moments and electromagnetic current commutator expansion on light cone. (JINR-D – 1,2-9342) 355848
Vitt, B.
Fast neutron dosimetry by track detection with cellulose nitrate films. 368305
Vitullo, V.P.
Deuterium isotope effects in the solvolysis of benzal halides. 3. β-D_3 isotope effects and the mechanism of solvolysis of 1,1-dihaloethylbenzenes in dioxane-water mixtures. 378408
Vitvitskij, Ya.S.
Use of geophysical exploration data to predict intervals of ground water inflow to productive oil wells. 354684
Vivante, C.
The European Community case for nuclear power. 366126
Vivekanandan, R.
Incorporation of DL(1-^{14}C)-leucine into muscle proteins in buffalo calves and its response to exogenous insulin. 352133
Vivian, G.A.
Management of radioactive wastes from nuclear fuels and power plants in Canada. (AECL – 5706) 361100, 368362
Vivien, J.P.
Magnetic moment and lifetime of the first excited state of mirror nuclei ^{21}Ne and ^{21}Na. 359455, 369463
Perturbed angular distributions in ^{36}Cl and ^{40}K. 356721
Vizcaino, H.P.
Preliminary study of the favorability for uranium in the Madera Limestone, and Cutler and Chinle Formations of the Sierra Nacimiento-Jemez Mountains area, New Mexico. (GJBX – 4(78)) 378885
Preliminary study of the uranium potential of Tertiary rocks in the central San Juan Basin, New Mexico. (GJBX – 78(77)) 378884
Vizir', V.A.
High-power pulsed thyratron performance and TG11-2500/50 characteristics in the nanosecond range. 376741
Vlaanderen, P. van
$(UO_2)_2Cl_3$: a new oxide chloride of uranium. 369736
Vlachavas, N.
The ordered state of In_3Te_4. 369968
Vlachos, K.
On the equations of motion. 363794
Vlachovsky, K.
Some discussions on micrometeorology and atmospheric diffusion of classic and radioactive industrial pollutions. 4. (ZJE – 203) 34968?
Vlacil, F.
Extraction chromatography of Al(III), Ga(III) and In(III) with isobutyrylacetone immobile phase. (INIS-mf – 3849) 378432
Vladimirov, A.N.
Conception of injector design for a thermonuclear reactor. (INIS-mf – 3954) 361623
Design criteria for high-voltage power supplies of an ion-optical system of ion sources. (INIS-mf – 3954) 361646
Injectors for large thermonuclear devices. (INIS-mf – 3954) 361624
Vladimirov, B.G.
Study on Ni and OKh16N15M3B steel radiation swelling under Ni ions bombardment at energy up to 300 keV. (INIS-mf – 3954) 362552
Vladimirov, I.P.
Technique for determination of energy thresholds of radiometric devices with fixed threshold factors. (Soviet patent document 428324/A/) 358397
Vladimirov, S.M.
Fabrication of cold-rolled bands of the alloy-ehi 702 in rolls. 373158
Vladimirov, V.G.
Application of microfluorescence to the estimation of the effect of sulfur-containing radioprotectors in lymphoid tissue. 376117
Vladimirov, V.I.
Theory of tough propagation of a crack in fibrous composite material. 349554
Vladimirov, V.V.
Dynamics of a Z-pinch in n-InSb under impact ionization conditions. 356069
Vladimirov, Y.S.
Monad method and canonical formalism of general relativity. 376889
Vladimirov, Yu.S.
Method of chronokinemetrical invariants. 358689
Vladimirova, M.V.
Ce^{4+} reduction in HNO_3 solutions during γ- and α-radiolysis. 362285
Vladimirskaya, T.M.
Corrosion resistance and electrochemical and physicomechanical properties of vanadium-zirconium alloys. (INIS-mf – 3839) 367177
Vladimirskij, B.M.
Observation results of the Cyg X-3 X-radiation source in superhigh energy range ($>10^{12}$ eV). 356230
Vladimirskij, V.V.
π^- C^{12} interaction followed by neutral particle production at 40 GeV/c. (ITEF – 6) 353933
On a magnet configuration to trap ultracold neutrons. (ITEF – 44) 365712
Proposal for construction of superhigh energy proton accelerators. (ITEF – 11) 376388
Study of $\pi^-p \rightarrow K_1^0K_1^0n$ reaction at 50 GeV/c momentum. 369357
Vladimirsky, V.V.
Superquarks and new particles. (ITEP – 12) 377774
Vladimirtsev, Yu.V.
Spectroscopy of admixture centers of iron in crystals of lithium niobates. (INIS-mf – 3955) 378227
Vladut, V.
Uptake of radioactive strontium by fishes in relation to the calcium content of the water. 357629
Vladychkin, A.N.
Studies of granular sorbent wearing under vibration load in cryosorption pumps. (KFTI – 75-10) 355129
Vladykina, T.N.
Radiation action of mechanoelectrons. 369794
Vlasak, A.M.
Morphodynamical investigation of salivary glands with a data processing system. (INIS-mf – 4010) 367585
Vlasenko, N.A.
Study of emission recombination near the absorption edge in CdS:In, Cd and CdS:Cd films. 365009
Vlases, G.C.
Laser-heated solenoid fusion. 364262
Vlasko-Vlasov, V.K.
Domain structure of an yttrium iron garnet single crystal. 368898
Vlasov, A.D.
Increase in beam radius and dimensions of the described ellipsoid due to errors in a proton linear accelerator. 350093
Vlasov, A.S.
Statistical modelling of boron nitride fibers production technology. 357386
Vlasov, E.
Inclusive production of charged pions in K^-p interactions at 32 GeV/c. 353960
Vlasov, E.A.
Kinetic and mechanism of solidphase reactions in the $BeO+SiO_2+V_2O_5$ mixture. 360026
Vlasov, E.G.
Effectiveness of protection of graphite with pyrocarbon against aggressive media. 378789
Vlasov, K.B.
Magnetic properties of manganese borides alloyed with nickel. 373310
Peculiarities of magnetic properties of magnetic materials with spontaneous magnetization arising at temperature Tsub(c)<Tsub(N). 378751
Vlasov, M.K.
Measurement of energy dependence of differential cross section of the $\pi^-(p)+A \rightarrow p^*...$ inclusive reaction with proton backscattering for the incident particle energy range of 1.5-9.0 GeV. (ITEF – 9) 361877
Vlasov, M.N.
Aeronomic processes with participation of metastable particles.

(INIS-mf – 3915) 349688
Auger-processes in the upper atmosphere. (INIS-mf – 3915) 349670
Vlasov, N.A.
Different-ligand cerium complexes with complexones and coloured reagents. (INIS-mf – 4192) 378174
Neutron reactions in stars. (INIS-mf – 4043) 361747
Orthanilic dyes as reagents for spectrometric determination of rare earths. (INIS-mf – 4192) 375355
Solar nuclear reactions. 356337
Vlasov, N.I.
Biological research plant using isotopes. (Soviet patent document 196184/A/) 376182
Vlasov, N.N.
Using ferrosilicon production slags for reduction of open-hearth steel. 378570
Vlasov, N.V.
Polarization measurement in quasielastic scattering of 635 MeV protons by nuclei of different elements. (JINR-R – 1-9759) 356916
Vlasov, P.G.
Automatic method of acid refining of thin-dispersed zircon. 375930
Vlasov, S.N.
System for SHF plasma heating in the "T-10M" facility. (INIS-mf – 3954) 361485
Vlasov, V.I.
Management of wastes from fast reactor fuel reprocessing. (IAEA-AG – 63-22) 363670
Vlasov, V.S.
Neutron activation determination of chlorine distribution in thin films of silicon dioxide. 375326
Success in extraction concentrating in analysis of substances. 356957
Vlasov, Yu.A.
Computer code to calculate the multigroup neutron transport equation in a planar layer. (IAE – 2562) 358616
Solution of the kinetic equation in the P_1-approximation for a plane geometry. (IAE – 2407) 358615
Solution of the kinetic multi-group equation accounting for thermalization in the P_3-approximation for a plane geometry. (IAE – 2514) 350122
Vlasova, M.O.
Data reading system from wire spark chambers with ferrite rings. (ITEF – 53) 366060
Vlasova, O.N.
Study of aluminium and titanium total quantity ratio effect on the technological plasticity of high alloyed nickel heat resisting alloys. 351767
Vlastou, R.
Scattering of polarised and unpolarised ^{3}He by ^{3}H and high excitation in ^{6}Li. 372825
A small medium-pressure gas target system for use with polarized and unpolarized ion beams. 367962
Vlcek, J.
Analysis of compound spectrum peaks. (INIS-mf – 4143) 374365
Experience with Canberra Co. instruments. (INIS-mf – 4143) 374337
Vliet, J. van
Effect of anisotropy on Zircaloy cladding creep in PWR. 370908
Vnukov, S.P.
Concerning carbon thin layers on boron nitride. 367290
Oxidation of the powder of nickel-chromium based alloy. 369816
Vo Ky Lan
A new R-matrix method for electron molecule collisions. 358717
Vobecky, M.
Application of ^{75}Se γ-γ coincidences instrumental determination of selenium. (INIS-mf – 4143) 372938
Instrumental neutron activation analysis of deep-sea manganese concretions. (INIS-mf – 4143) 372937
Voboril, J.
Delayed particle emission in the β^+ decay of ^{116}Cs and ^{118}Cs. 362040
Superheavy elements at JINR. 367015
Voborzhil, I.
Ion source with surface ionization for a mass separator on a heavy ion beam. 371155
Voden, V.G.
Investigation into radiation stability of organic fluoro-chlorine compounds. (RI – 58) 378548
Requirements for extraction systems with regard to limiting radiation loads in reprocessing of fast reactor fuels. (IAEA-AG – 63-19) 362338
Vodolazov, L.I.
Non-filtration method of processing uranium ores. 365105
Vodolazskaya, N.A.
On the population of the lymphoid tissue cells responsing to irradiation and administration of degranol and hydrocortisone by DNP degradation. 370342
Vodolazskij, P.V.
Magnetoresonance investigations of antiferromagnetic $FeCl_3$. 355964
Vodopianov, A.S.
Direct measurement of the π^- form factor. 372514
A measurement of the electromagnetic size of the pion from direct elastic pion scattering data at 50 GeV/c. 353922
Voelker, A.H.
Power plant siting; an application of the nominal group process technique. (ORNL/NUREG/TM – 81) 352180
Voelker, F.
Heavy ion facility for radiation therapy. 363289
Voelter, D.
Diagnostic interpretation of xenon-133-exhalation in cases of urogenital tuberculosis. 370512
Voelz, E.
A computer code for calculating the atmospheric transport of radioactive pollutants under inhomogeneous and instationary conditions. 370627
Meteorological diffusion models for a computer program for instationary and inhomogeneous dispersion of radioactive pollutants. 370624
Modelling of the diffusion of pollutants in the atmosphere under varying conditions in large cultivated regions. (KFK – 2435) 358610
Voevodin, M.A.
Correction system for the synchrotron magnetic field decrease index. (JINR – 9-9625) 350094
On increasing the intensity of the proton beam accelerated in the JINR synchrophasotron. (JINR-R – 9-9120) 355169
Timer for synchrophasotron injector. (JINR – 13-9114) 358003
Voevodin, V.P.
Macropossibilities of the SOSV special operational system. (IFVE-OMVT – 76-9) 350452
Voevodina, O.V.
Investigation into defects in $CdSnAs_2$ crystals irradiated by electrons. 350714
Voevodskij, A.V.
Short-period variations of the cosmic ray intensity. 357526
Vogel, B.
On the technique of selective double-isotope coronary scintigraphy with ^{99}sup(m)Tc- and ^{111}In-HSA-microspheres. 349810
Vogel, E.
Correction of calibration curves in X-ray fluorescence analysis. 352361
Resonant relaxation time for impurity electron-phonon interaction application to the thermal conductivity of MgO Fe^{2+} and ZnS/Fe^{2+}. 364125
Vogel, H.
Polarization effects in Moessbauer absorption of a $FeCl_2 \cdot 4H_2O$ single crystal in an external magnetic field. 371686
Small-angle X-ray-scattering investigation and structural-model study of the fatty-acid synthetase from pig liver. 376060
X-ray doses during roentgendiagnostic of the digestive tract. 370663
Vogel, H.F.
Parametric study of plasma startup systems for tokamaks. (LA-UR – 77-2472) 372075
Vogel, P.
Measurements of the energy shifts of the K absorption edge and K X-rays of several uranium compounds. 357392
On the capture of muons in atoms. 353500
Reply to the Comment on "Dependence of the Ta K x-ray energy on the mode of excitation". 358752
Vogel, R.M.
Radiation monitor training program at Rocky Flats. (RFP – 2434) 379280
Vogel, W.
The electronic device of the Rossendorf proton recoil counter spectrometer. 374289
Vogelweith, L.
CAS medium-size nuclear plants. 371072
Vogl, G.
Interstitial atom clustering at ^{57}Co impurity atoms in aluminium after electron and neutron irradiation. 370187
Vogl, J.
A survey, without the commotion of an accident situation. 367800
Vogl, W.
Status of the power ramp tests with LWR fuel rods at the Petten HFR. 370844
Vogler, F.
The (d, dsub(1)) vector analysing power of the reaction ^{24}Mg(d,dsub(1)) and the Dsub(1-γ) angular correlation. 359521
Alpha-gamma angular correlations in the reaction ^{24}Mg(α,$\alpha_1\gamma$) at Esub(α) = 104 MeV. 354181
Vogler, M.
The H-H^+, H^+-H^+ and H-H fragmentation in the collision-induced dissociation of H^+_2 ions. 353379
Production of fast hydrogen atoms of discrete energies by predissociation of molecular hydrogen. 368714
Voglewede, J.C.
Effect of pellet density and axial restraint on failure threshold. 352312
Vogt, E.W.
The atomic bound state of two pions and the $\pi\pi$ scattering lengths. 356447
Vogt, F.
The control and shutdown system of the KNK-II. 376469
The handling system. 376588
Vogt, H.
Inclusive yields and transverse spectra of non-strange mesons. 353853
A study of direct and indirect pion production in π^+p interactions at 16 GeV/c. 377804
Vogt, H.W.
Method and device to operate an instrument exposed to radiation. (German (F.R.) patent document 2534594/A/) 376742
Vogt, K.J.
Estimation of an average fallout constant for aerosols on the basis of the deposition measurements made in Juelich. (Juel-ZST – 218) 354709
Findings of the diffusion experiments performed at Juelich for emission heights of 50 and 100 m. (Juel-ZST – 240) 354726
Radioactive effluents and present and future radiation exposure of the population from nuclear facilities in the Federal Republic

of Germany. 367751
Vogt, N.
Short periodic oscillations of the dwarf nova VW Hydri. 374913
Vogt, O.
Critical behaviour of the magnetization in TbSb and $Tb_{0.6}Y_{0.4}Sb$. 378601
Crystal field in metallic actinide compounds. 367245
Crystal-field splitting and relaxation effects in CeAs. 378637
Magnetic phase transitions of CeSb: results of structure refinements. (RISO – 369) 368777
Resistivity measurements on the singlet ground state system Tb/sub c/Y/sub 1-c/Sb. Effects of electron-exciton scattering. 378583
Vogt, R.
Neutron total and elastic scattering cross sections of ^{6}Li in the energy range from 0.1 to 3.0MeV. (EUR – 5726) 359497
Vogt, R.E.
Cosmic ray investigation for the Voyager missions; energetic particle studies in the outer heliosphere – and beyond. 374970
Neutral particle background in cosmic ray telescopes composed of silicon solid state detectors. 374345
Vogt, S.
Investigation of the radiological impact of reactor accidents under probabilistic aspects. (KFK – 2435) 357784
Theoretical and experimental investigations of the atmospheric diffusion of radioactive gases and aerosols and of the probabilistic radiation doses around nuclear plants due to accidental activity releases. (KFK – 2435) 357760
Vogt, W.G.
Modeling and simulation. Volume 7, Part 2. 361169
Vogtlin, G.E.
System design for the new TMX machine. (UCRL – 79749) 374811
Vohra, K.G.
A comparative study of the risks of cancer mortality from ionizing radiation and chemical pollutants. 354823
A perspective on the radiation protection problem and risk analysis for the nuclear era. 370636
Voiculescu, G.
Proton scattering on ^{238}U and the probable isobaric analogue resonances. 356579
Resonances analog to parent states in continuum. 356707
Voigt, J.
Existence of the scattering operator for the linear Boltzmann equation. 364615
Voigt, M.J.A. de
The γ-ray quasi-continuum spectrum of highly excited nuclei investigated with a multiplicity filter. (INIS-mf – 4267) 378075
Absolute cross sections determination for $^{160}Gd(\alpha,xn)$ reactions. (ZfK – 336) 364756
Average multipolarities of quasi-continuum transitions measured with a mini-orange spectrometer. (INIS-mf – 3946) 349135
Isomeric states in ^{152}Dy. (INIS-mf – 4267) 378010
Nuclear structure of ^{41}Ca from inelastic proton scattering. 372826
Positive- and negative-parity yrast bands in the transitional nucleide ^{150}Sm and the interacting boson approximation. 367007
Recoil-distance lifetime measurements of levels in ^{154}Dy and ^{155}Dy. (INIS-mf – 4267) 378033
Voigtlaender, G.
Translocation of ^{14}C assimilates in Rumex obtusifolius and Polygonum bistorta. 376196
Voinova, K.P.
Application of geophysical methods for well investigations in prospecting and exploration of spar fields in Uzbekistan. 365301
Voinovitch, I.A.
A study of the physical and chemical conditions required to determine vanadium in steels by atomic absorption spectrometry also allowing the determination for copper, chromium, nickel and manganese. 372927
Voipio, A.
Plutonium in Baltic sediments. (CONF-770409 – 10) 367411
Voit, H.
Spin assignments for $^{16}O+^{12}C$ resonances at low energies. 378072
Voj, P.
Combined free and forced convection effects on transient temperature distributions in a scaled-down model of the inlet plenum of the SNR-300 reactor. 358280
The control and shutdown system of the KNK-II. 376469
Flow and mixing conditions in the upper plenum of the SNR 300. 371007
Vojkhanskaya, N.F.
Rapid variability of He 2 lambda 4686 line contour in the spectrum of the star EZ CMa. 377662
Vojkhanskij, M.E.
Tables of single-particle matrix elements of electrical quadrupolar gamma transitions in deformed nuclei. 377863
Vojnarovich, L.
Study into mechanism of radiolysis of cyclopentane-cyclopentene mixtures. 369792
Vojnarovskaya, T.I.
Method for rhenium separation from aqueous solutions. (Soviet patent document 479735/A/) 354371
Vojtech, O.
The correlation between composition, structure and properties of high-level waste solidification products. 368378
Vojtechova, E.A.
Production of titanium alloys with uniform distribution of heat resisting metals. 378573
Vojtenko, D.A.
The wave excitation in a plasma at a helical resonance HF heating. (INIS-mf – 3963) 371808
Vojtovetskij, V.K.
Amplitude and phase modulation of Moessbauer radiation. (IAE – 2563) 348859
Vojtsekhovska, A.A.
Certain methods for vanadium determination in biological materials. (INIS-mf – 4188) 375369
Vojtselenok, S.L.
Effect of parameters of argon-arc welding with non-consumable electrode on corrosive properties and structure of welds of pipes in steel-12Kh18N10T. 375772
Vojtsenya, V.S.
Effect of fluctuating electric fields on superbanana diffusion of plasma in stellarator. (INIS-mf – 3963) 372076
Effect of magnetic surface parameters on low-frequency fluctuations of plasma. (KFTI – 74-36) 348974
Torsatron divertor and it's effect on impurities transport and accumulation. (INIS-mf – 3954) 361497
Vojtsiekhovski, V.
Complex compounds of rare earths (3) with β-aminopropylphosphonic acid. 351587
Voke, J.
Immune complexes and abnormal liver function in haemophilia. 373616
Vokurka, S.C.
Review and assessment of deep-well injection of hazardous waste. Volume I. Final report. (PB – 269001) 371209, 371210, 371211, 374446
Vol'dman, G.M.
Peculiarities of molybdenum extraction from nitrate sulphate solutions by polyalkylphosphonitrile acid. 373006
Vol'f, G.
Investigation of specific heat and superconducting propertis of Mo_6NaS_8. 368729
Vol'fson, A.I.
Formation and structure of barrier type anodic oxide films on beryllium. 351479
Vol'khin, V.V.
Investigation into reactions in the $Cd(OH)_2$-CdX_2($X=Cl^-,I^-$)-H_2O systems. 367090
Vol'pin, M.E.
High activity of $MoCl_5$ in the cleavage of Si-C bond in tetraalkyl- and arylsilanes. 378194
Interaction of carbon dioxide with ruthenium hydride complexes. 354343
Volant, C.
^{16}O induced reactions on ^{116}Sn at 64 MeV. 356820
Volborth, A.
Fast-neutron activation analysis in coal research. 378179
Material balance in coal. 2. Oxygen determination and stoichiometry of 33 coals. (COO – 2898-10) 378178
Volchek, Yu.A.
On optimization of construction costs for the radiation shielding and for the health protection zone of charged-particle accelerators. 379520
Volchenko, V.N.
Ultrasonic testing of welded joints of boiler pipes. 362351
Volchenko, Z.S.
Oxygen-ionic conductivity in the HfO_2-Y_2O_3 system. (INIS-mf – 4189) 375601
Volcher, J.
Safety practices and standards, developments and incentives for international co-operation. 370623
Volchkov, G.V.
Weld formation during welding with slow-rotating arc in variable magnetic field. 359887
Volchok, H.L.
Plutonium concentrations in air near Rocky Flats. 365339
Vold, P.B.
The effective T=1 two-particle matrix elements in the fp shell. 378076
Nuclear structure of ^{41}Ca from inelastic proton scattering. 372826
Quadrupole moment of the first excited 2^+ state of ^{18}O. 351424
Spectroscopy of ^{121}Te and ^{124}Te from the sup(120,123)Te(d,p) sup(121,124)Te reactions. 356822
Volders, R.
The potential effects of nuclear installations on the physical and human environments. 363038
Voldet, P.
Determination of rare-earth elements in rocks by neutron activation followed by high-resolution X-ray spectrometry or γ-spectrometry. 375383
Volf, V.
Living with plutonium. (KFK – 2416) 367605
Removal of plutonium from rats by prolonged administration of chelating agents. 354877
Volgenau, E.
The public information aspects of nuclear regulatory inspection in the United States. (INIS-mf – 3978) 368475
Volgenau, Ernst
New initiatives in the U.S. Reactor Inspection Program. (INIS-mf – 4061) 361190
Volgin, V.I.
Study on a possibility of alloying the iron surface with molybdenum by means of laser irradiation. 369853
Volin, Eh.M.
Study on niobium reduction during vacuum melting. 378576
Volina, N.Ya.
Study on niobium reduction during vacuum melting. 378576
Volk, B.G.
Application of high-pressure liquid chromatography to studies of

extractable soil organic matter. Porous silica packings. 357481
Volk, R.
The development of a high-power iodine laser in plasma physics institute in Garshing, GFR. 361426
Volk, R.D.
Characteristics and theory of operation of the controlatron neutron tube. (SAND – 77-0300) 365661
Volkmann, D.J.
Should considerations of immediate advantages hide long-term decisions from view in gas supply. 376815
Volkonskij, N.Yu.
Deep-inelastic scattering of leptons on virtual particles. 375052
Volkov, A.A.
Muon flux measuring system for neutrino experiments at the IHEP accelerator. 357946
Observation of muon pairs in neutrino interactions at Serpukhov 70 GeV accelerator. 361870
Volkov, A.B.
A study of high spin states in ^{151}Gd. 356889
Volkov, A.F.
A method for determining trace impurities of o-iodobenzoic acid in o-iodohippuric acid. 354412
Method for production of l-triiodotyronine labelled by iodine radioisotopes. (Soviet patent document 219105/A/) 354377
Spectra of ^{127}J nuclear quadrupole resonance of organic iodine compounds of diagnostic using. 349200
Volkov, A.P.
Certain problems of radiation safety at nuclear power plants based on WWER-440 reactors. 357823
Small-sized electron linear accelerator in the 3-cm range for application in industry. (INIS-mf – 4194) 376351
Volkov, A.S.
Result ambiguity of ultrasonic testing of welded joints before and after the heat treatment. 375804
Volkov, D.V.
Duality and quarks. (JINR-D – 1,2-9342) 356465
On Goldstone particles and the Adler principle in dual models. (JINR-D – 1,2-9342) 356466
On the general covariant theories of the gauge fields on superspace. (KFTI – 77-10) 376887
Spontaneous vacuum transitions in the Nephew-Schwarz dual model. (JINR-D – 2-9788) 376952
Spontaneous vacuum transitions in the Nevier-Schwartz dual model. (JINR-D – 1,2-9342) 356467
Volkov, E.D.
"Uragan-3"-torsatron with a spatial divertor. (INIS-mf – 3954) 364161
Experimental investigations of current discharge plasma confinement in L=1 torsatron in the region of low-frequency collisions. (INIS-mf – 3963) 371756
Torsatron divertor and it's effect on impurities transport and accumulation. (INIS-mf – 3954) 361497
Volkov, E.I.
Comparison of experimental distributions of rapidity intervals in inelastic π^-p interactions at 60 GeV with the multiperipheral cluster model. 369341
Volkov, G.G.
Diagonality of neutral current and gange schemes in color quark models. (IFVE-OTF – 76-5) 349081
Observation of possible production and decay of short-living heavy neutral particles in the SKAT neutrino experiment. 353930
On a possible mechanism of lepton direct production in pN-collisions. (IFVE-PPK – 76-53) 369334
On some possibilities for existence of the lepton weak (V + A) interaction. (IFVE-PPK – 76-36) 349082
Volkov, G.M.
Properties of carbon-carbon composition materials of the type of syntactic foams. 378819
Volkov, M.K.
Description of low-energy processes in quantum chiral theory. 359323
Eta-meson decays in quantum chiral theory. 369335
Low-energy meson physics (chiral theory). (JINR-D – 2-9788) 374594
On the kaon electromagnetic interaction. (JINR-D – 1,2-9342) 356468
Volkov, N.G.
Use of mathematical programming methods for interval estimates of nuclear radiations. 371308
Volkov, S.S.
Polarization in 1 GeV elastic proton scattering on carbon. 354133
Volkov, S.V.
Characteristics of 3-d metal chloride complexes in fused salts based on electron spectroscopy data. 351588
Volkov, V.A.
Formation temperature and growth kinetics of flakes in the 35KhN3MFA steel. 349533
Rapid borating from pastes. 357286
Volkov, V.E.
Fine structure effect on hydrogen permeation through iron. 375906
Volkov, V.F.
A simulator of the well-type gamma-spectrometer with Ge(Li)-semiconductor detector. 349622
Volkov, V.G.
Effect of thermonuclear microexplosion initiated by a relativistic electron beam on the first wall of an explosive chamber. (INIS-mf – 3954) 361647
Volkov, V.L.
Catalytic properties of V_2O_5-Nb_2O_5 system. 351570
Determination of formation heats of Msub(x)V_2O_5 oxide vanadium bronzes of potassium and lithium of β type. 369691
Ferroelectric phase transition in Pbsub(1-x)Snsub(x)Te. 377311
Formation heat of β-Nasub(x)V_2Osub(-) type oxide sodium-vanadium bronze. 378370
Formation of strontium vanadite in $SrCO_3$ – 2VOsub(1.5) system. 351589
Investigation into processes of interaction of calcium carbonate and calcium metavanadate with vanadium oxides. 378433
Synthesis and thermal properties of monocrystals of oxygen vanadium bronzes of the Msub(x)Vsub(12)Osub(30+-y) type. 365010
Volkov, V.P.
On evaluation of the steel hot plasticity by extension of samples with notches. 358029
The safety problems of nuclear power plants with channel-type, graphite, boiling-water reactors. 370875
Volkov, V.V.
Dynamical transformations of cylindrical magnetic domains during translation motion. 363963
Volkov, Yu.F.
Regularity of change in crystal lattice parameters in the series of hexavalent actinide trinitrates. 349337
Studing carbonate compounds of pentavalent actinoids with alkali metal cations. 369768
Volkov, Yu.M.
Superconducting magnet for an experimental MHD generator. (IAE – 2538) 349043
Volkov, Yu.V.
On the estimation of statistical characteristics of nuclear reactor control process. (FEI – 534) 350190
On the reliability of nuclear power plants. (FEI – 532) 358048
Volkova, L.M.
Crystal structure of cesium chlorotrifluoro-antimonite. 369717
Volkova, M.S.
Action of x-radiation on the isolated nuclear membranes. 352008
Volkova, N.P.
Determining aluminium microquantities in alloyed steels. 356961
Volkova, R.M.
Mutual diffusion in Pt-Mo, Re-Mo, Pt-Re and Pt-Re-Mo systems. 378686
Volkova, V.I.
Method for separation of iodine from natural water. (Soviet patent document 339130/A/) 375478
Volkovich, A.V.
Diffusion coefficients of cadmium ions and anode behaviour of cadmium and cadmium-zinc alloys in halogenide melts of alkali metals. (INIS-mf – 4189) 375603
Kinetics of deposition of alkaline earth metals on liquid metal cathodes during electrolysis of chloride melts. (INIS-mf – 4189) 375602
Volland, H.
Can sunspots influence our weather. 351983
Vollath, D.
Fuel rod development. (KFK – 1277/2) 371039
Non-destructive determination of the density distribution of an irradiated fuel rod, using an X-ray picture. 370839
A non-destructive method for determining the oxygen/metal ratio in plutonium-bearing nuclear oxide fuel. 376449
Pore size distribution in oxidic fuels containing plutonium. 370845
Volle, V.M.
Use of silicon with gold compensation for detectors of low absorbed radiations. 374366
Vollhardt, D.
Effect of dipole interaction on collective modes in ^{3}He-A. 372345
Vollmar, H.
Atomic interaction with quantum fluid clusters: ^{3}He-cluster beam generation and Cs-scattering by ^{4}He-clusters. 353260
Vollmer, H.
DAtF-KTG-Reactor Meeting 1977 in Mannheim. 355362
Ten years of electricity supply from AVR. 376547
Vollmer, R.
Terrestrial lead isotopic evolution and formation time of the Earth's core. 356338
Vollmer, T.
Investigation of the fuel-rod-behavior during the blowdown-phase of a loss-of-coolant-accident. (KFK – 2435) 358178
Vollnhals, F.
Process and circuiting arrangement for the conversion of analog signals to digital signals and digital signals to analog signals. (German (F.R.) patent document 2543696/A/) 361087
Vollradt, J.
Shutdown concepts for LWR nuclear power plants. 370898
Volny, J.
Connection of electrometric amplifier with two FET transistors and operational amplifier. (Czechoslovak patent document 155896/B/) 371128
Volobuev, I.P.
On a consequence of the causality condition in field theory with momentum space of constant curvature. 348623
Volobuev, P.V.
Diffusion of helium and neon isotopes in rubidium chloride single crystals. 374718
Volod'ko, A.G.
Technique of study on the $\pi^-p \rightarrow p\pi^+\pi^-\pi^- + m\pi^0$ and $\pi^-p \rightarrow n\pi^+\pi^+\pi^-\pi^- + m\pi^0$ reactions at 5GeV/c by means of a one-meter propane bubble chamber. (JINR – 1-8514) 369389
Volod'ko, L.V.
On the nature of equatorial bonds in uranyl complexes. 359764
Volod'ko, V.G.
On dependence of cross sections of ion elastic stopping on the target atom number. 348657

Volod'ko, Yu.I.
Sensitivity variation of self-powered neutron detectors with silver emitters during long-term operation in nuclear reactors. 376753
Volodin, V.D.
Four-electrode streamer chamber. (JINR-R – 13-10380) 358398
Starting system for a 2-meter streamer spark chamber in a 17 GeV/sec α-particle beam. (JINR – 13-9030) 358334
Volodin, V.P.
Molybdenum interaction with molten mixture of fluorides and chlorides of potassium and sodium. (INIS-mf – 4189) 375604
Volodina, A.N.
Infrared absorption spectra and structure of neutral and acidic selenites of aluminium, gallium and indium. 359677
Reaction of aluminium selenites with alkali metal selenites in hydrothermal conditions. 365000
Volodina, K.Ya.
High-stable transformer direct current transducers. (JINR – 13-9827) 376743
Volodina, M.A.
Determination of carbon and hydrogen in phthalocyanines. 354385
Volodko, A.G.
Four-prong π^-p interactions with π^0 production. Pt. 2. Cross section determination by statistical method; study on characteristics of proton and neutron production. (JINR-R – 1-8793) 364460
Volodyagin, Yu.S.
Division analog circuit for semiconductor position-sensitive detectors. 376744
Volokhovskaya, V.N.
Method for separation of iodine from natural water. (Soviet patent document 339130/A/) 375478
Volokitin, A.S.
On the nonlinear stage of parametric interaction of waves in an active medium. 348871
Volokitin, G.G.
The effect of transition metals additions on the temperature coefficient of linear expansion of titanium and vanadium. 359952
Voloshchuk, V.I.
Data processing and physical results on He^4 photodisintegration. (KFTI – 76-36) 368483
Voloshin, M.B.
Widths of narrow mesons made from heavy quarks. 364493
Voloshin, V.A.
Effect of pressure and temperature on luminescence of Eu^{3+} and Gd^{3+} complexes with thenoyltrifluoroacetone. (INIS-mf – 3955) 378435
Effect of thorough compression and temperature change on optical spectra of aluminium-yttrium garnet monocrystal, activated by neodymium. (INIS-mf – 3955) 378434
Effect of uniform compression on spectrum of aluminium yttrium garnet monocrystal activated by neodymium. 359713
Energy transfer in rare earth complexes at high pressures. 375605
Pressure effect on optical properties of europium benzoil acetonate. 363933
Voloshko, A.Yu.
Effect of fluctuating electric fields on superbanana diffusion of plasma in stellarator. (INIS-mf – 3963) 372076
Effect of magnetic surface parameters on low-frequency fluctuations of plasma. (KFTI – 74-36) 348974
Volotskaya, V.G.
Resistive state of thin tin films in a magnetic field. (KFTI – 75-33) 356367
Volovich, P.N.
Experimental facility for the study on the radiation polarization in electron-atom and ion-atom collisions. (INIS-mf – 3915) 350338
Volovik, V.D.
Acoustic effect from superhighenergy particles in some stable liquids. 363597
Coherent acoustic emission in metals. 370237
Excitation of elastic waves by charge particle beams in solid dielectrics. 361417
On mechanism of hydrodynamic radiation of charged particles in water. 368899
Specific features of spectral distribution of radio-frequency radiation of extensive air showers. 365340
Volpp, J.
Charge dependence of double K-vacancy states in collisions of Ssup(n+) (n=5, 8, 10, 12, 13, 14) on Ar at 1 MeV/amu. 358823, 377115
Volskii, E.P.
On magnetic breakdown in indium. 357253
Volta, G.
DICOMICS-TWIN: self-adaptive algorithm for minimal cut sets determination from fault trees. 352231
Probabalistic analysis of the protection of a PWR against overpressure. (EUR – 5640) 360911
Probabilistic analysis of accidental transients in a LMFBR. (CONF-761001 – P3) 365512
Safety practices and standards, developments and incentives for international co-operation. 370623
Volta, R.
Use of a MWPC in a big magnetic spectrometer as a counter hodoscope for fast majority discrimination. 379873
Voltz, R.
Time resolved magnetic modulation of ion recombination in organic solutions: spin motion in radical ion pairs. 362266
Volyak, L.D.
Experimental investigation into the PVT parameters of cesium vapor. 370067
Volyak, L.G.
Density of caesium at high pressures and high temperatures. 375904
Volynets, F.K.
Stoichiometry and optical properties of lanthanum sulfides following hot pressing. 360034
Volynskij, V.Kh.
Nuclear magnetic resonance spectrometer. (Soviet patent document 486268/A/) 376745
Volynskij, Yu.D.
Method of determining the blood flow rate in the portal vein and liver systems. (Soviet patent document 465810/A/) 349815
Volzhev, A.A.
Measurement of beam losses and nonuniformity of electroconducting coating of an acceleration tube of an induction linear accelerator. 370739
von Blanckenhagen, P.
Crystal electric fields in rare-earth Al_2 compounds. 378635
Short range Van Vleck antiferromagnetism in superconducting La/sub 1-y/Tb/sub y/Sn_3 detected by neutron scattering. 378644
Von Dreele, R.B.
Structural investigation of $Pr_{10}O_{18}$ by single crystal x-ray diffraction and electron microscopy. 357384
Von Goeler, S.
Soft x-ray measurements on the PLT Tokamak. (PPPL – 1383) 366649
Von Halle, E.
Method for estimating the inventory of an isotope separation cascade by the use of minor isotope transient concentration data. (K – 1892) 379362
von Hippel, F.
Radioactive wastes: a comparison of U.S. military and civilian inventories. 368359
von Holtey, G.
Non linear fields in the SPS and their compensation. 363196
Von Kramer, D.
Quantization in static gravitational fields. 353166
von Molnar, S.
Low temperature specific heat of Sm/sub 1-x/Y/sub x/S. 362519
Von Riesemann, W.A.
Nuclear regulatory commission structural technology programs for shipping containers. 360689
Vonach, H.
Gamma competition in the decay of unbound states in ^{56}Fe produced by the $^{56}Fe(n,n')$ reaction with 14 MeV neutrons. 356894
Vondrak, R.R.
Antenna concepts for interstellar search systems. 366665
Vondy, D.R.
Interim report on core physics and fuel cycle analysis of the pebble bed reactor power plant concept. (ORNL/TM – 6142) 379710
Reference test problems for the VENTURE neutronics and related computer codes. (ORNL/TM – 5887) 352455
VENTURE: a code block for solving multigroup neutronics problems applying the finite-difference diffusion-theory approximation to neutron transport, version II. (ORNL – 5062/R1) 371058
Vonk, J.W.
Fate of [^{14}C]-zineb on lettuce plants. 379170
Vook, F.L.
Channeling location studies of implanted D in Si. (INIS-mf – 3996) 364093
Ion implantation in metals. (SAND – 77-0373) 351722
Voorde, N. van de
Facilities and arrangements for the treatment of highly radiotoxic wastes. 360681
An integrated system for the conditioning of radioactive solid wastes and liquid waste concentrates. 358506
Vora-Singha, P.
Instantaneous action-at-a-distance formulation of quantum electrodynamics. 363856
Vorbrodt, A.
Ingestion and digestion of erythrocytes by non-irradiated and irradiated macrophages. 373492
Vorbrugg, W.
Critical investigations on the methods determining the degree of polarization of subthermal neutrons. 355596
Report on work on the Forschungs- und Messreaktor Braunschweig (FMRB) for the year 1976. (PTB-FMRB – 65) 358317
Vorderwisch, P.
Neutron spectroscopy of the crystal field splitting in cerium hydride. 378752
Phonon dispersion relations in CeDsub(2.12). 368900
Vorlickova, M.
Changes in properties of DNA caused by gamma and ultraviolet radiation. 373493
Vornovitskij, I.N.
Heat treatment of welded joints of the steel-12Kh1MF in Ac_1-Ac_3 temperature range. 362363
Vorob'ev, A.A.
Charge accumulation and radical transformation during irradiation of phosphate glasses. 373389
Direct determination of positronium in a matter according to compton profile and angular correlation of annihilation radiation. 377312
Electron channeling in crystals on field application of an external magnetic field. 361482
Intensity of external electric field of irradiated phosphate glasses

with various binding energy of Me-O. 370238
1 GeV-proton elastic scattering on ^{40}Ca, ^{42}Ca, ^{44}Ca, ^{48}Ca, ^{48}Ti nuclei. 375148
Vorob'ev, A.I.
Principles of biological dosimetry in acute radiation sickness. 349942
Vorob'ev, A.V.
Effect of ion doping on the blistering in OKh16N15M3B steel. (INIS-mf – 3954) 362533
Vorob'ev, E.I.
Evaluation, prediction and regulation of population exposure doses in connection with nuclear power plant operation in the USSR. 367758
Vorob'ev, G.A.
Effect of conditions of decomposition of ruthenium hydroxychloride. 349231
Vorob'ev, L.S.
Measurement of energy dependence of differential cross section of the $\pi^-(p)+A\rightarrow p^+...$ inclusive reaction with proton backscattering for the incident particle energy range of 1.5-9.0 GeV. (ITEF – 9) 361877
Vorob'ev, S.A.
Application of the "beam sweep" method to calculate absorption of beta particle flux in a segmental model. 349098
Calculation of total coefficients of beta-particle backscattering by thick absorbers. 356550
Direct determination of positronium in a matter according to compton profile and angular correlation of annihilation radiation. 377312
Electron channeling in crystals on field application of an external magnetic field. 361482
Positron annihilation in an electron-irradiated silicon crystal. 374659
Positron annihilation in silicon and gallium arsenide monocrystals with surface treatment. 348756
Vorob'ev, V.A.
Crisis of heat transfer and its dynamics in a tube with cosinusoidal heat-evolution on the length. 379439
Study on trapped radiation by the Kosmos-426 satellite. 378947
Vorob'eva, E.A.
Magnetic field nonlinearity effect on the particle dynamics in the modified ITEP proton synchrotron. (ITEF – 53) 358008
Vorob'eva, E.Ya.
Axial dipole instability of electron-ion rings in a circular waveguide. (ITEF – 99) 365761
Vorob'eva, G.I.
The nature of defects arising on tellurium solution decomposition in GaP monocrystals. 377259
Vorob'eva, L.P.
Microstructure and phase composition of the niobium-zirconium-carbon alloy system. (INIS-mf – 3839) 367260
Vorob'eva, N.S.
The probability of vanadium hydrogenation in the course of metallographic preparation. (INIS-mf – 3839) 365139
Vorob'eva, N.V.
Reaction of certain fragment element oxides with zirconium phosphate in melt of alkali metal chlorides. (INIS-mf – 4193) 375495
Vorob'yushko, M.I.
Development and study on sections of Marx generator for power pulse systems. (INIS-mf – 3954) 361648
Vorobej, M.P.
Investigation into chlorination of uranium oxides in melts of alkali metal chlorides. (INIS-mf – 4193) 375606
Study of the behaviour of high-active wastes from reprocessing of fast reactor fuel elements by the fluoride volatility method. (IAEA-AG – 63-23) 363646
Vorobiev, E.D.
IBR-2-the periodically pulsed reactor for neutron investigations. (INIS-mf – 3946) 356682
Vorobiev, S.A.
On the possibility of π^- meson channelling. 356038
Vorobtsova, I.E.
Effect of single and fractionated irradiation on the life span of the offsprings of irradiated and nonirradiated drosophila males. 379013
Vorobyov, A.A.
Polarization in 1 GeV elastic proton scattering on carbon. 354133
Vorobyov, N.K.
The reaction capacities of the acid chloride groups in m- and p-carboranedicarboxylic acid dichlorides. 357028
Voron'ko, Yu.K.
"Capture of excitation" effect in the system of interacting particles in a crystal. (INIS-mf – 3955) 361421
Experimental observation of "Excitation trapping" in a system of strongly interacting particles. 355945
Investigation of the nature of radiationless decay relaxation in condensed media with a high concentration of activator. 348860
Luminescence and migration of energy in silicate glass activated by Eu^{3+} during monochromatic laser excitation. (INIS-mf – 3955) 362146
Spectroscopy of rare earth ions in non-equivalent knots of crystal lattice of aluminium and gallium garnets. (INIS-mf – 3955) 362153
Voronik, N.I.
The state of trivalent chromium trace amounts in solution. 351604
Voronin, A.P.
Dosemeter. (Soviet patent document 485396/A/) 376610
Voronin, B.M.
Physicochemical characteristic of melts containing salt of laminated structure. (INIS-mf – 4193) 375411
Voronin, E.P.
Experimental study of the neutron logging data in a thin-layer section. 349659
Voronin, G.F.
Thermodynamic properties of cesium – gallium alloys. 378279
Voronin, L.M.
Certain problems of radiation safety at nuclear power plants based on WWER-440 reactors. 357823
Development of the nuclear power industry in the USSR. 366134
Voronin, V.V.
Device for simulation of integral dose distribution in multifield radiotherapy. (Soviet patent document 441733/A/) 379482
Voronin, Yu.V.
Radiation effect on phase transformation. 373367
Voronkov, R.M.
Electron linear accelerator for a cutted microtron. 360707
Split microtron as an injection for the Pakhra synchrotron. 357929
Voronkov, V.V.
Silicon doped with zirconium. 362476
Voronkov, Yu.P.
Factorization of translation-invariant effective interactions. 359424
Voronkova, G.I.
Second phase inclusions in silicon doped with samarium. 362375
Silicon doped with zirconium. 362476
Voronkova, M.G.
Connection of the M-6000 computer with an image scanner. (ITEF – 64(1974)) 361088
Voronov, B.L.
Finite-particle approximations of a local field and the local saturation problem. 348624
Voronov, G.S.
Some characteristics of ohmic heating plasma in the L-2 stellarator. (INIS-mf – 3963) 371712
Voronov, O.A.
Effect of pressure on the Fermi surface of cadmium. 368896
Magnetic breakdown in cadmium. 374789
Voronov, S.
An acceleration evaluation of the performance of the Soviet-French wide-gap spark chamber for gamma-ray astronomy. 368266
Voronov, V.B.
Device for drift tube alignment. (Soviet patent document 413649/A/) 355191
Voronov, V.K.
Determination of mutual orientation of ligand molecule and coordinating ligand in paramagnetic complexes. 351502
Voronov, V.V.
Calculation of E1-radiation strength functions for semimagic nuclei. 369454
Voronova, T.A.
High-temperature vacuum annealing effect on the properties of a nitrided niobium alloy. 375905
Voronovich, N.S.
Electronic structure of dinuclear chloride clusters of heavy transition elements. 1. 375668
Vorontsov-Vel'yaminov, B.A.
Galaxy interaction and fragmentation. 351094
Interaction and fragmentation of galaxies – an important factor of evolution. 369228
Three peculiar giant galaxies with fragmentation. 364422
Vorontsov, A.N.
Electric conductivity of the (KCl-ZiCl)sub(eut)-$BeCl_2$ molten system. (INIS-mf – 4193) 375432
Vorontsov, E.S.
The chemical induction phenomenon in conjugated oxidation of copper, molybdenum, tungsten. 351593
Particularities of sublimation kinetics of interference coloured oxide films on molybdenum and tungsten. 351594
Voronyuk, P.I.
Temperature dependences for electric properties of the (PbSe)sub(1-x)(SnTe)sub(x) solid solutions. 349300
Voropaev, A.I.
On the relation of nuclear data errors to calculation ones for the case of reactor parameter prediction. (INIS-mf – 4043) 363391
Voropaev, V.I.
Effect of the features of γ-spectrometric detectors on the threshold sensitivity of nuclear physical methods in elemental analysis of samples of rocks and ores. 354685
Voropaj, N.M.
Heat spread in the base metal during microplasma welding. 369885
Voropanova, L.A.
Comparison of thermodynamic stability of tungsten and molybdenum dioxides in their reactions with rare earth oxides. 378214
Vorotnikov, P.E.
Energy dependence of fissile isomer yield from the $^{241}Am + n$ reaction. (INIS-mf – 3896) 356918
Grouping of neutron widths of heavy nucleus resonances. (INIS-mf – 3897) 356664
Measurement of ^{236}U and ^{239}U compound nuclei lifetime dependence on excitation energy. (INIS-mf – 3896) 356917
Vorotyntsev, M.A.
Calculation of the tunneling factor for the proton transfer process. 350785
Vorozhbit, V.U.
Density and volumetric properties of the lithium (sodium, potassium) molybdate (tungstate)-lithium (sodium, potassium) chloride molten system. (INIS-mf – 4193) 375607
Thermal analysis density and volumetric properties of the

rubidium molybdate (tungstate)-rubidium chloride and cesium molybdate (tungstate)-cesium chloride molten systems. (INIS-mf - 4193) 378436
Vorozhtsov, S.B.
Calculation of isochronous cyclotron magnetic system components by the net method. (JINR - 9-9034) 350051
Vorpahl, J.
Radio and soft x-ray evidence for dense non-potential magnetic flux tubes in the solar corona. 372279
Vortherms, B.
Analysis of the problems, which have the users employing software packages in the production control. (BMFT-FB-DV - 77-03) 355700
Vortman, L.J.
Results of airblast and temperature measurements, Project Essex I, Phase 3. (SAND - 76-0531) 376340
Results of airblast measurements, project ESSEX I, phase 2. (SAND - 75-0274) 376339
Vos, L.
Operation of the CERN-ISR for high luminosity. 363222
Vosberg, H.
Correlations with hemodynamics and lung function of scintigraphically determined 'perfusion-redistribution-index'. (INIS-mf - 4010) 370485
Intra-articular ^{90}Y-therapy of experimental arthritis in rabbits. (INIS-mf - 4010) 370400
Intra-articular ^{90}Y-therapy of polyarthritis. (INIS-mf - 4010) 370417
Vosch, R.J. Jr.
Flow model test development of CRBRP intermediate heat exchanger. 374235
Vosen, S.R.
Mechanical design criteria for continuously operating neutral beams. (UCID - 17573) 366650, 372077
Voskan'yants, V.I.
Radiation copolymerization of resin FL-2. 351630
Voskanyan, A.Z.
Influence of kinetin on the formation of chromosome aberrations in the irradiation of Crepis capillaris L. seeds and its radioprotective effect. 349722
Modification of radiation-induced damages to chromosomes in Crepis capillaris L. seeds by inhibition of additional DNA synthesis if G_2 phase. 349723
Voskanyan, M.A.
Production of mecanical vibrations of speciment by mass O.1-1 kg at a speed of 100-200 m/s. (IAE - 2626) 350321
Voskoboev, A.E.
Pilot-industrial plant for radiation-chemical finishing of textiles. (INIS-mf - 4194) 376282
Voskoboinik, A.P.
Experimental superconducting homopolar motors. 360651
Voskresenskaya, E.V.
Determination of the average grain size of tungsten alloys by acoustic emission technique. 375907
Voskresenskaya, L.A.
Fine crystal structure and coercive force of RCo_5 alloys. (INIS-mf - 3839) 367239
Magnetostriction properties of terbium monocrystals and terbium-gadolinium alloy system. (INIS-mf - 3839) 365173
Studying structure characteristics of $Zr_5Al_4(h)$ intermetallic compound. (INIS-mf - 3839) 367255
Voskresenskij, D.N.
Charge distribution in anomalous nuclei. 369455
Distribution of a vacuum charge near supercharged nuclei. 377920
Voskresenskij, V.A.
Electron spin resonance of vanadyl acetylacetonate in oriented polyvinyl chloride. 362202
Voskresenskij, V.V.
Comparative study of the absorbed dose rate of mixed gamma and neutron radiations in the WWR-M reactor experimental channel for biological studies. 379381
Voss, A.
Benefits and risks of nuclear power. (Juel-Conf - 17(3.rev.ed.)) 360420
The future of the world energy system. 376816
Voss, G.A.
Electron - positron storage ring PETRA: plans and status. 363364
Voss, J.
Preparation of S-isotope substituted thiocarbonyl compounds. 364964
Voss, R.
Further evidence for production of electrons with small transverse momenta in pp collisions. 377784
Radiochemical investigations of hydrocarbons and sulphur compounds. Pt. 5. 375675, 375676
Vossebrecker, H.
Decay heat removal plan of the SNR-300: a licensed concept. (CONF-761001 - P2) 365585
The emergency cooling system of the KNK-II reactor. 376589
SNR-300 plant behavior at complete failure of the afterheat removal system. 358306
Vossepoel, A.M.
Information exchange between a nuclear medicine computer system and a hospital information system, based on system integration. (INIS-mf - 4010) 363721
Vostokov, V.S.
Scram rod drive. (Soviet patent document 451399/A/) 355358
Vostrikov, A.A.
Nondestructive testing of mechanical properties of steels for deep swaging. 375861
Vostrikov, A.N.
Hyperradial functions in the two-, three- and four-body problems. (IAE - 2462) 348625
Vostrikova, T.N.
Intramolecular nucleophilic splitting of 3-hydroxy-1,2-and 2-hydroxy-1,7-dicarbacloso-dodecaboranes (12). 369601
Vostrotina, T.I.
Control of the heat treatment quality of articles quenched by means of high frequency currents. 357229
Votava, E.
Test methods and testing equipment for recurring inspections. 370820
Voth, R.O.
Refrigeration technology for superconductors. 363350
Votinov, M.P.
Action of ^{60}Co gamma radiation on polymeric cationites. 370128
Interaction of gamma radiation of Co^{60} with heterogeneous systems, made on base of polymers with dyes. 370153
Votruba, J.
Construction policy of nuclear power plants and nuclear heat and power plants in Czechoslovakia. (INIS-mf - 4055) 368142
Votruba, V.
What is new in elementary particle physics. 366873
Vovchenko, G.D.
Catalytic reduction of maleic acid on ruthenium electrode-catalyst in excess of hydrogen. 369671
Vovchuk, Ya.I.
High-temperature combustion of fixed boron particle in oxygen-containing media. 351590
Vovenko, A.S.
Drift chamber with multiwire signal element and long drift distance. 358349
Muon flux measuring system for neutrino experiments at the IHEP accelerator. 357946
Observation of muon pairs in neutrino interactions at Serpukhov 70 GeV accelerator. 361870
Study on the matrix element in K degsub(L) → πsup(+-) + e sup(-+) + ν decays. 349090
Vovenko, V.P.
On the one-nucleon transfer reaction in high energy range. (KFTI - 75-15) 361957
On the theory of optical potential of inelastic scattering of complex particles. 349127
Vovk, A.B.
De-excitation of ^{133}Cs levels excited in the (n, n'γ) reaction. 375154
Vovkotrub, Eh.G.
Nickel titanate effect on the sintering and certain electrophysical properties of strontium zirconate. 360020
Vovnenko, V.I.
On vibrational properties of 1.0, 1.2 and 1.3 eV emitting centers in GaAs. 374792
Voyvodic, L.
One-, two-, and three-particle distributions in pp collisions at 205 GeV/c. 372529
Tests of factorization from single- and double-pion production in 100-GeV/c p-antip and pp collisions. 351230
Voznesenskij, L.I.
The potentialities of nuclear geophysical methods in ore testing of ferrous metals. 365287
Voznesenskij, V.A.
Problems of WWER reactor safety. 370939
Ways of improving the economic indices of nuclear power stations with light-water cooled and moderated reactors. 366154
Voznyj, T.D.
Investigation into durability of EhP-199 alloy and its weldments in ammonia dissociation products. 375729
Short-time strength of 5vmts alloy in liquid media at elevated pressure. 378709
Vozzhenikov, G.S.
Gamma radiation intensity for neutron activated bodies of cylindrical form. 378180
On the theory of the neutron activation measurements in wells. 360174
Vozzhenkov, G.S.
On the theory of neutron activation method. 376024
Vraast-Thomsen, C.
Channeling of protons, pions and deuterons in the GeV region. 353418
Channelling effects for 15 GeV/c negative pions. 377798
Vrable, D.
Engineering features of an upgradable ignition test reactor. (GA-A - 14633) 372008
Vrable, D.L.
HTS thermal storage peaking plant. (ORNL/Sub - 4188/2) 360927
Mechanical and thermal design of a gas-cooled fusion blanket module. (GA-A - 14671) 371912
Vradij, A.G.
On the possibility of thermal neutron detection by cadmium telluride detectors. 379958
Vrana, J.
Channel cross sections of K^-p reactions from 1.934 to 2.516GeV/c. (LPC - 77-01) 369354
Vrana, V.
Preparation and testing of sup(99m)Tc-EDTA kits. 349338
Vrancken, A.
Mechanism of radiation hardening and radiation drying of coatings and printing paints. 365682
Vrast-Thomsen, C.
Energy loss of 2-15 GeV/c particles in Si and Ge single crystals with a comparison to existing theory. (INIS-mf - 3996) 364005

Vrati, S.C.
Phonon dispersion in thorium: a pseudopotential approach. 373283
Vrazhnov, Yu.N.
Study on particle production with large transverse moments in nucleon-nucleon interactions at 70 GeV. (IFVE-SEF/OP – 74-150) 361866
Vrba, J.
Nuclear energy in metallurgy. 350239
Vrba, P.
Return current driven instabilities in a relativistic electron beam-plasma system. (INIS-mf – 3963) 372078
Vrba, V.
Charge asymmetry at large psub(T) in inelastic anti pp reactions at 22.4 GeV/c. 353943
Inclusive spectra in anti pp interactions at 22.4 GeV/c. 353941
Ludmila – a two-meter hydrogen bubble chamber. 368304
Multiplicities and forward-backward correlations in anti pp interactions at 22.4 GeV/c. 366882
Vreugd, C. de
Differential cross section for collision of alkali ions and atoms, ch. 5. (INIS-mf – 4090) 366381
Differential cross sections for collisions of alkali ions and atoms, ch. 6. (INIS-mf – 4090) 366382
Differential scattering cross sections for collisions of alkali ions and atoms. II. 361404
Vreux, J.M.
Behaviors of B star continua and absorption features determined from the TD1 S2/68 'ultraviolet bright star spectrophotometric catalogue' and from Copernicus spectra. 369229
Vriens, L.
Ionization processes in the low-pressure mercury nobel gas discharges. (INIS-mf – 4267) 377069
Vries, A.E. de
Spikes in low energy sputtering of silver and gold. 356062
Vries, C. de
A scale model (1:10) of the two-spectrometer arrangement (QDD and QDQ) under construction. (INIS-mf – 4267) 379863
Vries, H. de
On the radial distribution of the 1fsub(7/2) proton orbit. 362113
A scale model (1:10) of the two-spectrometer arrangement (QDD and QDQ) under construction. (INIS-mf – 4267) 379863
Vries, M.I. de
Radiation effects on low-cycle fatigue and tensile properties of aisi type 304 stainless steel at 298 K. (ECN – 32) 375959
Vries, R.M. de
Spins of resonances in the $^{12}C + {}^{16}O$ system. 362104
Vrieslander, J.
201-GeV/c proton-proton elastic scattering at large momentum transfer. 366888
Vrijen, J.
A diffuse neutron scattering study of clustering in copper-nickel alloys. (INIS-mf – 4098) 364926
Magnetic diffuse neutron scattering on Cu-Ni alloys. 361435
Vrkoc, I.
New asymptotic theorems for hadron-hadron forward scattering amplitude. 353804
Vroom, D.A.
Cross sections for charge transfer between mercury ions and other metals. Final report, June 1973 – April 1977. (N – 77-27890) 377142
Vrotnyak, Ya.A.
Decascading in analysis of gamma family characteristics obtained in X-ray emulsion chambers. 361749
Monte Carlo simulation of high-energy electromagnetic showers in air. 361748
Vrtanesyan, G.S.
Fluorine effect on properties of borophosphate glasses. 378438
Some properties of $BaPO_3F$-Al_2O_3-B_2O_3 system glasses. 378437
Vrublevskaya, T.Ya.
Surfactant complexes of metal-organic compounds – anion type and their use in polarography. (INIS-mf – 4192) 375379
Vrzhashch, E.Eh.
Carbon and nitrogen diffusion during carbonitriding considering interaction of instilled elements. (INIS-mf – 4046) 370068
Vtyurin, N.N.
DNA repair changes in DNA polymerase and DNA ligase activity in the regenerating liver of γ-irradiated rats. 362692
Vtyurin, V.A.
Strength functions of primary soft gamma transitions near the neutron binding energy. (INIS-mf – 3897) 354275
Vu Hai, L.
^{3}He production in ^{4}He fragmentation on protons at 6.85 GeV/c. 354154
Angular distribution measurement of the reaction αp→^{3}He d at 3.98 GeV/c. 354147
Vu Ngoc Tuan
Formation of He metastable in He^+ – alkali collisions. 353332
Vucich, J.J.
Photographic quality assurance in diagnostic radiology, nuclear medicine, and radiation therapy. Volume II. Photographic processing, quality assurance, and the evaluation of photographic materials. Final report. (PB – 267498) 357639
Vugal'ter, G.A.
Nonlinear damping of helicons in metals. 356070
Vugman, N.V.
EPR of electron irradiated K_4Os sup(II) $(CN)_6$ in KCl single crystals. (CBPF – A0024/77) 364143
Vuillaume, E.
Mutagenesis-based research aimed at obtaining resistance to Helminthosporium maydis, straint T, in maize with Texas male sterile cytoplasm. 373706
Vuillemin, V.
Boson spin tests from sequential decays: spin-parity analysis of the F_1 meson. 377814
Electron-muon and electron-hadron production in e^+e^- collisions. 366879
Quenches in large superconducting magnets. (LBL – 6718) 370718
The reaction anti pp→anti ΛΛ between 1.5 and 2.0 GeV/c. 377808
A search for neutral heavy leptons. 356514
Vuilleumier, J.-L.
Nuclear charge parameters and quadrupole moment in ^{105}Pd from muonic X-rays. 372827
Vuilleumier, J.L.
An experimental study of the E0, E2 and E4 charge moments of ^{161}Dy using muonic atoms. 369505
Vujnovicj, J.
Concentration factors ^{226}Ra, ^{210}Pb and ^{90}Sr in the biota of the Sava river. 370418
Vujovic, M.
Electron capture and loss by metastable and ground-state N^+ ions in collision with inert gases. 366379
Vukolov, V.A.
Effect of the final sample thickness on experimental α-value $(\alpha = <\Sigma ng>/<\Sigma nf>)$. (IAE – 2415) 362030
Vukovic, J.
Alpha autoradiography by cellulose nitrate layer. 368322
Vukovich, S.
Fluctuations of surface waves in inhomogeneous magnetoactive plasma. 364157
Resonance instability of a confined plasma with a nonuniform electron velocity. 364263
Total resonance absorption of electromagnetic radiation in an inhomogeneous plasma. 368911
Vuletich, T.
Design and construction of the Donner 280-crystal positron ring for dynamic transverse section emission imaging. (LBL – 5679) 373651
Vulovicj, R.
Ionization current chamber for the determination of aerosol particles concentration. 368708
Vulpian, B. de
Inception of the light-water reactor system in France and its fuel cycle. 366226
Vuoria, P.
Comparison of the practical diagnostic value of different tomographic movements. 376189
Vuorio, M.
Small objects in superfluid ^{3}He. (HU-TFT – 77-4) 364098
Vuuren, C.P.J. van
The chemistry of uranium, pt. 21: a thermogravimetric study of the decomposition of $(Net_4)_2UCl_6$ and $(Net_4)_2UBr_6$. 378483
Vyalkov, V.I.
Non-filtration method of processing uranium ores. 365105
Vyatskin, A.Ya.
Passing and absorption of 5-30 keV electrons in massive solids. 356557
Vybojshchik, M.A.
Study of physical factors affecting the hardening of diffusion chromium coatings during plastic deformation. 378572
Vydrik, A.A.
Using germanium radiation detectors under low temperatures. 379959
Vydrin, V.N.
Rolling of nickel base hardly deformable alloys in four-roller mills. 351723
Rolling of tungsten base cermet in four-roll grooves. 351849
Vydrina, T.K.
Transformation of cyclopropane derivatives under tungsten halide influence. 378439
Vygen, H.
Applicability of electrostatic precipitators in reprocessing plants and their limits. 359842
Vygen, P.
Coated fuel particles: requirements and status of fabrication technology. 365926
Reprocessing technology in the HTGR fuel cycle. 367197
Vygodskij, Ya.S.
Gamma radiation effect on properties of cardo polyamide based on anilinofluorene and terephthalic acid. 362268
Vykhodtsev, L.A.
Design of high-voltage and low-voltage power supplies for the DTRT(T-20) injector facility. (INIS-mf – 3954) 361536
Vylegzhanin, D.N.
Calculation of temperature broadening of the phononless A-line in the sup(4)Fsub(3/2)→sup(4)Isub(11/2) luminescence band of Nd^{3+} ion in yttrium-aluminium garnet. 368608
Determination of phonon density of crystals according to oscillation of satellites of non-phonon lines in luminescence spectra. 371566
Vylov, Ts.
The decay of ^{167}Lu(Tsub(1/2) = 55 min)^{167}Yb. 354200
Gas-thermochromatographic method for astatine separation. Relative yield of astatine isotopes from uranium. 378495
On the ^{194}Au gamma spectrum. 375209
Spectrometry of radioactive nuclide radiation using semiconductor detectors. (JINR-R – 6-9071) 350339
Vyrenkova, M.Ya.
Measurements of the enbeam profile in an electron accelerator by means of synchrotron radiation. 358004

Vyshinskaya, L.I.
Thermal decomposition reaction of dicyclopentadienyl derivatives of vanadium. 357053
Vyshinski, V.
Systems for power supply, control and synchronization of plasma-focus type experiments. (INIS-mf – 3954) 361498
Vyshkind, S.Ya.
Phase stochastization mechanism and wave turbulence structure in dissipative media. 348975
Vyska, K.
Changes in trace element concentrations in human serum after parenteral application of amino acids. 369525
Comparative studies of different labelled fatty acids for heart muscle metabolism. (INIS-mf – 4010) 360327
Experiments on the influence of non-system parameters on the tracer dilution curve. (INIS-mf – 4010) 363096
Model analysis of several methods used in nuclear medicine for the measurement of myocardial perfusion. (INIS-mf – 4010) 362838
sup(99m)Tc and ^{131}I labelled human serum albumin millimicrospheres for investigation of the reticuloendothelial system. (INIS-mf – 4010) 367639
17-^{123}I-heptadecanoic acid for non-invasive investigation of myocardial metabolism. (INIS-mf – 4010) 357608
Vyskochil, S.
Light system for the "Lyudmila" 2-m liquid-hydrogen buble chamber. (JINR – 13-9442) 350354
Photography system for the "Ludmila" facility. Tape transport mechanism, gas panel and control electronics. (JINR – 13-9710) 376608
Vyskocil, S.
Ludmila – a two-meter hydrogen bubble chamber. 368304
Vysocansky, M.
A detector for high-energy neutrino interactions. 379899
Vysokoostrovskaya, N.B.
Effect of α-irradiation on the properties of the phosphate cation exchange resin KFP. 354450
Vysotskij, M.I.
Radiative transitions in the charmonium model. 375053
Vyurshing, Eh.
Electron thermal conduction of current-carrying plasma in stellarators. (KFTI – 74-36) 348976
Vyvenko, O.F.
Effect of plastic deformation on electric conductivity of cadmium sulfide monocrystals. 374794
Photoelectromotive force in plastically deformed cadmium sulfide related with crystallographic polarity. 374793
Vyver, R. van de
Fine structure in the ^{208}Pb(γ,n) cross section. 375210
Vzorov, I.K.
Angular dependence of cross sections for the (π^+,2p) reaction on Li nuclei at 85 + -4MeV. 369497
High-pulsed parts of spectra of secondary particles from collisions of 6,3 GeV/C deuterons with protons, deuterons and carbon nuclei. (JINR-D – 1,2-9342) 356486
Wa Kalenga, M.
Perspectives for nuclear electricity in Central Africa. 371250
Waak, B.T.
On primordial $_{126}X_{228}$ and other superheavy elements. 362005
Waard, H. de
On the isomer shifts of ^{129}I impurities implanted in semiconductors. 356071
The use of radioactive decay in the implantation of impurities on hardly attainable sites in crystal lattices: Moessbauer investigation of Heusler alloys. (INIS-mf – 4267) 377313
Waas, A.
Automatic ultrasonic in-service inspection of reactor pressure vessels. 358030
Wacholder, E.
TRANC-1: a computer program for transient hot-channel analysis. (INIS-mf – 4052) 368489
TRANC-1: self verification and comparison with RELAP4 program. (INIS-mf – 4052) 376413
Wachsmuth, H.
Total cross sections for charged-current neutrino and antineutrino interactions in BEBC in the energy range 20-200 GeV. 353945
Wachter, P.
Electron-phonon interaction in EuSe from optical absorption. 355946
Optical properties of TiN and ZrN. 364109
Wachter, R.F.
Differences in buoyant-density properties of Coxiella burnetii and Rickettsia rickettsii. 352025
Wachter, W.A.
Coordinative saturation and the chemistry of triscyclopentadienyl thorium (IV) alkyls and alkenyls. 373038
Wachter, W.J.
Method and apparatus for inspection of nuclear fuel rods. (US patent document 4,039,376/A/) 363409
Wackenheim, A.
Computerized tomography in infants. (AED-Conf – 77-395-008) 379204
Wacker, K.
Evidence for the tau → γrhoπ decay mode. 372500
Measurement of the branching ratios for the decays J/psi(3.1) → fω and J/psi(3.1) → Bπ. 372506
Measurement of the J/psi radiative decay into f°(1270)γ. 377779
Wackers, F.J.T.
Location and size of acute transmural myocardial infarction estimated from ^{201}Tl scintiscans. A clinicopathological study. 352134
Thallium-201 scintigraphy for myocardial imaging with emphasis on its use in the coronary care unit. 354958
Wacks, M.E.
Determination of lithium by instrumental neutron activation analysis. 369546
Waclawski, B.J.
Ultraviolet photoemission studies of methanol adsorbed on Ru(110). 369941
Wada, H.
A study on niobium carbide dispersed superconducting tapes. 367282
Wada, Kazuhiro
Isotope separation by laser-induced photomigration. 373005
Wada, M.
Measurement of snow water equivalent by cosmic ray neutron technique. (AED-Conf – 77-225-001) 354692
Short-term variability of CYG X-1. 377639
Wada, Minoru
Control of radioactive waste disposal system for BWR plants. 368369
Wada, Nobuo
Effective source size as related to ^{252}Cf neutron radiography. 355093
Wada, T.
Electron reactivity in liquid hydrocarbon mixtures. 362286
Wada, Tadashi
Fundamental aspects of neutron radiotherapy with a ^{252}Cf source, 1. 360575
Wada, Takanao
Design and fabrication of MARK-II type reactor primary containment vessel for the Japan Atomic Power Company, Tokai No.2 Power Station. 350215
Model engineering for piping layout of boiling water reactor nuclear station. 374210
Reactor container. 360835
Wada, Toyoji
Nuclear fuel element. 350216, 360849
Wada, Tutomu
Improved mass analysis of boron isotopes in B_4C control rod for nuclear reactor. (PNCT – 831-77-01) 378181
Wada, W.W.
Baryon – antibaryon pair decay of eta/sub c/ in coherent production. (COO – 1545-216) 361766
Baryon-antibaryon pair decay of etasub(c) in coherent production. 377704
Production of γ(9.5) in e^+e^- annihilation and photoproduction. (COO – 1545-218) 375016
Production of UPSILON (9.5) in e^+e^- annihilation and photoproduction. 366821
Wada, Yukio
Determination of deuterium in metal by vacuum fusion-mass spectrometric method. (PNCT – 831-76-01) 378182
Development of burnup measurements for fast reactor fuel, (4). (PNCT – 831-76-01) 379825
Improved mass analysis of boron isotopes in B_4C control rod for nuclear reactor. (PNCT – 831-77-01) 378181
Wadati, Miki
Solitons in plasma and other dispersive media. (IPPJ – 283) 366559
Waddell, B.V.
Internal disruptions in tokamaks. 374826
Interpretation of tokamak sawtooth oscillations. 374866
Waddell, C.N.
Design and performance of an 8 cm thick intrinsic germanium detector telescope. 363559
Waddell, J.D.
Comparison of advanced reactor potentials. 379699
Simulation of the plutonium economy using the NEEDS model. 361169
Wadden, J.S.
Further muonic-atom test of vacuum polarization. 350625
Waddington, J.C.
A study of high spin states in ^{151}Gd. 356889
Vector analyzing powers for the (d,t) reaction to a transitional nucleus ^{147}Nd. 359526
Waddington, J.S.
Fuel failures in the Dodewaard Boiling Water Reactor. 363437
Waddington, T.C.
An inelastic neutron scattering study of C_2H_2 adsorbed on type 13X zeolites. 361449
Waddoup, W.D.
An eight channel fast scalar. 366041
A seven channel gated charge to time converter. 366039
Some results on the sensitivity of the RCA 4522 photomultiplier tube. 358386
Wade, C.
On three-dimensional reconstruction of optically thin solar emission sources. (N – 77-27056) 377621
Wade, D.C.
Calculations of void streaming in the Argonne gas-cooled fast reactor critical experiments. 374275
Conservation of the adjoint neutron spectrum by use of bilinear-weighted cross sections and its effect on fast reactor calculations. 374145
Wade, E.E.
Ex-vessel nuclear fuel transfer system. (US patent document 4,069,098/A/) 379821
Nuclear reactor fuel transfer system. (US patent document 4,069,099/A/) 379820
Reactor vessel. (German (F.R.) patent document 2555270/A/)

376590
Wade, M.V.
Device to detect a fluid flow. (German (F.R.) patent document 2652695/A/) 366046
Wadehra, J.M.
Calculations of ion-ion recombination rates at high pressures. 368715
Wadkins, R.P.
Fuel rod bowing resulting from internal pellet motion. 371066
Wadskov, S.
Studies on ^{133}Xe wash-out from human skin: quantitative measurements of blood flow in normal and corticosteroid-treated skin. 352111
Wadsworth, R.
Gamma ray spectroscopy in ^{64}Zn – levels below 3.1 MeV in excitation. 369509
High spin states in some Zn isotopes. 356796
Lifetimes in ^{61}Ni measured by the recoil distance technique. 351425
Nuclear spectroscopy in ^{63}Zn: states below 1.5 MeV. 369496
Wadt, W.R.
Accurate characterization of the transition state geometry for the HF + H'→H + H'F reaction. 359714
Waegli, P.
Experiments on neodymium laser pulse interaction with slab targets in the picosecond regime. (INIS-mf – 3963) 372106
Waelbroeck, F.
Origin of impurities in hydrogen plasmas. (Juel – 1448) 368938
Waelbroeck, F.W.
The first wall of a fusion reactor under the influence of atomic hydrogen. 368910
Waelchli, M.
Search for the metastable 2s state in muonic hydrogen. 361331
Waenke, H.
Determination of lithium and halogenes and the significance of lithium to the understanding of cosmochemical processes. 375253
Instrumental neutron activation analysis of lunar samples and the identification of primary matter in the Lunar Highlands. 375384
Waes, P.F.G.M. van
Functional imaging of the blood flow in the kidney, comparison with selective X-ray angiography. (INIS-mf – 4010) 362725
Wafelbakker, C.K.
Current density in radiation stimulated superconductors. 353747
Wagadarikar, V.K.
Indian experience in the training of manpower for a nuclear power programme. 371321
Wagatsuma, Kenji
Control rod drives. 368240
Wagemans, C.
Fission fragment energy correlation measurements for the thermal neutron sub-barrier fission of ^{237}Np and above-the-barrier fission of ^{235}U. 372698
Wagenaar, R.W.
Total cross sections for electron scattering. 353195
Wagg, A.R.
Ultrasonic inspection of austenitic welds. (IWGFR – 10) 362352
Waggett, P.C.
NGC 6251, a very large radio galaxy with an exceptional jet. 356339
The 5C9 survey of radio sources. 359180
Wagh, A.
Lattice location of Bi implanted in Si. (INIS-mf – 3996) 364069
Wagh, A.G.
Effect of planar oscillations on implanted distributions measured by low-angle He^+ backscattering. 377314
The effect of planar oscillations on the impurity yield in the backscattered H^+ spectrum: -Bi^+ and Sb^+ implanted silicon. (INIS-mf – 3996) 364144
Waghmare, Y.R.
Connection between the Migdal and surface delta interactions. 364706
Microscopic theory of particle-hole states. 372684
Wagner-Loeffler, M.
Amoeba behavior of UO_2 coated particle fuel. 365955
Amoeba behaviour of UO_2 coated particle fuel. (SGAE – 2614) 374180
Wagner, B.
The influence of different diets on free thyroid hormones levels. (INIS-mf – 4010) 370466
Wagner, D.P.
Computer aided approach to qualitative and quantitative common cause failure analysis for complex systems. (CONF-770438 – 3) 352393
Wagner, E.P. Jr.
Uranium accountability for ATR fuel fabrication: Part II. A computer simulation. (TREE – 1146) 363724
Wagner, F.
Dissociation of the proton into ($p\pi^+\pi^-$) in the reaction $pp \rightarrow pp\pi^+\pi^-$ at 12 and 24 GeV/c. 353940
Investigation of the fast neutral particle corona surrounding the Pulsator plasma. (INIS-mf – 3963) 372079
Textures of iron oxide ores by neutron diffraction and topotactical relation. 366483
Wagner, F. Jr.
Fluorescence and excitation spectra of Bk^{3+}, Cf^{3+}, and Es^{3+} ions in single crystals of $LaCl_3$. (CONF-771039 – 6) 377037
Wagner, G.A.
Age determination and source identification of obsidian artifacts by fission track analysis. (INIS-mf – 4037) 357506
Wagner, G.H.
Lipids of microbial origin in soil organic matter. 357665
Wagner, G.J.
The mass and low-lying level structure of ^{17}C. 362083
Spins of proton hole states from analyzing powers of (d, tau) reactions at 52 MeV. 369462
Strong effect of isospin mixing in ^{16}O. 364831
Wagner, G.P.
Treatment of radioactive wastes generated during the chemical cleaning of Dresden-1. 357778
Wagner, H.
Are LMFBR permits unconstitutional. 371270
Dipole moments associated with edge atoms; a comparative study on stepped Pt, Au and W surfaces. 362374
Measuring probe for determining the oxygen content of gases, vapours and liquids, particularly liquid metals. (German (F.R.) patent document 1798002/C/) 375584
The participation of private associations in the nuclear licensing procedure under the Atomic Energy Act. 376830
Renormalization group approach to critical phenomena. 355849
Two dimensional Pd layer growth on W(110) and stepped W planes by surface diffusion. 369918
Wagner, H.F.
Development of new technologies for energy production in the Federal Republic of Germany. 355665
Wagner, H.N.
Nuclear stethoscope. 374367
Wagner, H.N. Jr.
Advances in computer applications in radioactive tracer studies of the circulation. 355701
Recent advances in skeletal imaging. (INIS-mf – 4010) 357714
Wagner, J.
Radionuclide patterns of femoral head disease. 373632
Techniques for measuring regional and total-body bone mineral mass to bone function ratios. 354955
Wagner, J.A.
Method for removing trace contaminants from multicurie amounts of ^{144}Ce. (LF – 56) 365401
Radiation dose patterns from ^{106}Ru aerosols inhaled by Syrian hamsters. II. Retention and tissue distribution. (LF – 56) 365452
Wagner, K.
Correlations between the generation of boundary layers on metals, wear and corrosion. 375735
Investigation of the fuel-rod-behavior during the blowdown-phase of a loss-of-coolant-accident. (KFK – 2435) 358178
Wagner, M.
Bone affinity of sup(99m)Tc-EHDP compared to other bone seekers. (INIS-mf – 4010) 362754
Wagner, M.R.
Consideration of local cross-sections in nodal burn-up calculations. 370805
The determination of the pin power distribution in a reactor core on the basis of nodal coarse mesh calculations. 350113
Development of a depletion program for the calculation of the 3D-burn-up dependent power distributions in light water reactors. (BMFT-FB-K – 77-06) 370906
Interface current techniques for multidimensional reactor calculations. 350107
Neutron physical investigations on the use of burnable poisons and gray absorber rods in large pressurized water reactors. (BMFT-FB-K – 77-07) 370909
Validation of the nodal expansion method and the depletion program MEDIUM-2 by benchmark calculations and direct comparison with experiment. 350123
Wagner, N.R.
Configuration of road convoys: a simulation study. (SAND – 77-8625) 363728
Survey of threat studies related to the nuclear power industry. (SAND – 77-8254) 363734
Wagner, P.
Chemical vapor deposition of zirconium carbide alloyed isotropic carbon in a fluidized bed. (LA-UR – 77-1064) 351665
Chemical vapor deposition of ZrC made by reactions of $ZrCl_4$ with CH_4 and with C_3H_6. 365196
Heavy ion reaction studies at medium-mass nuclei: I. Quasi-elastic processes. (LYCEN – 7702(pt.2)) 369500
Irradiation test OF-2: high-temperature irradiation behavior of LASL-made fuel rods and LASL-made coated particles. (LA – 6988-MS) 374229
The onset of friction in heavy ion transfer reactions. (CRN-PN – 77-16) 369499
The onset of friction in heavy-ion transfer reactions. 362084
Thermophysical properties: some experience in research, development and applications. (LA-UR – 77-1881) 365229
Wagner, R.
A detailed analysis of the reaction ^{92}Zr(p, α)^{89}Y. 377891
Wagner, R.A.
12-hour case study of auroral phenomena in the midnight sector: Electrojet and precipitating particle characteristics. 360216
Wagner, R.F.
Isospin splitting of giant resonances in ^{13}C and ^{17}O. 359368
Wagner, R.L.
Electroproduction of phi mesons. 359337
Wagner, U.
Determination of floor response spectra on the basis of the response spectrum method. 355154
Wagner, V.
Inelastic neutron scattering study of the quasi-1d Heisenberg antiferromagnet $CsMnBr_3$. 361427

Wagner, W.
Elastic π^0 electroproduction above the resonance region. (DESY - 77/42) 364562
Electroproduction of neutral pions and test of the quark-parton model. 356394, 364561
Evidence for the tau → γrhoπ decay mode. 372500
Wagoner, R.V.
Analytic properties of relativistic, rotating bodies. 350973
Wagschal, J.J.
Neutron transport methods in neutrino transport calculations. 372567
Optimal choice of the initial flux for iterative solutions of the inhomogeneous transport equation. 352449
Sensitivities of neutron spectra to reactivity in different formulations of the stationary transport equation. (INIS-mf - 4052) 372564
Waha, R. de
Investigation of the changes in the extraction properties of TBP and TBP-Levextrel after intensive γ-irradiation. 369847
Wahba, A.B.
Problems in determining time-dependent heat transfer coefficients from temperature measurements. (AED-Conf - 77-039-018) 365701
Waheed, A.
Fast stable particles from light nuclei of emulsion following the interaction of 1.5 GeV/c K^- mesons. 366897
Probability distribution for K^-p and K^-n channels in the interaction of 1.5 GeV/c K^- mesons in light emulsion nuclei. 366898
Wahi, K.K.
Simulation of the thermomechanical response of Project Salt Vault. Final report. (Y/OWI/SUB - 77/16519/1) 374459
Wahl, F.
Adaptable digital filters in scintigraphy. (INIS-mf - 4010) 363598
Problems of loss of image quality of gamma camera scintiscans due to digital display; solutions without increase of computer capacity. (INIS-mf - 4010) 363572
Wahl, G.
Thermodynamics of the oxidation and carbonisation behaviour of high-temperature alloys in HTR helium. 369812
Wahl, H.
A detector for high-energy neutrino interactions. 379899
Is there a high-y anomaly in antineutrino interactions. 351222
Like-sign dimuon events produced in narrow-band neutrino and antineutrino beams. 356512
Measurement of the branching ratios for the decays J/psi(3.1) → fω and J/psi(3.1) → Bπ. 372506
Measurement of the J/psi radiative decay into $f^0(1270)\gamma$. 377779
Measurement of the neutral to charged current cross section ratio in neutrino and antineutrino interactions. 361888
Observation of a neutrino event with four energetic muons. 372525
Observation of trimuon events produced in neutrino and antineutrino interactions. 356511
One-, two-, and three-particle distributions in pp collisions at 205 GeV/c. 372529
Study of inclusive neutral current interactions of neutrinos and antineutrinos. 369377
Wahl, H.D.
Observation of jet structure in high psub(T) events at the ISR and the importance of parton transverse momentum. 353956
Wahl, H.W.
Training personnel to design earthquake-resistant nuclear power plants. 352234
Wahlberg, C.
Adiabatic and non-adiabatic electron oscillations in a static electric field. (UPTEC - 77-09-R) 374595
Electron oscillations of a collisionless plasma in a static electric field. 369002
Wahlquist, E.J.
Radioisotope power sources in the terrestrial and marine environment. 373942
Wahlstroem, R.
Earthquakes of Sweden 1891 - 1957, 1963 - 1972. (KBS-TR - 21) 366100
Wahman, L.A.
Chemical vapor deposition of zirconium carbide alloyed isotropic carbon in a fluidized bed. (LA-UR - 77-1064) 351665
Chemical vapor deposition of ZrC made by reactions of $ZrCl_4$ with CH_4 and with C_3H_6. 365196
Wahner, H.W.
Disk-space infection. 362784
Retrospective comparison of radionuclide scans and computed tomography of the liver and pancreas. 352114
Wahnon, P.
Collision models of intra-multiplet transitions at thermal energies. 353339
Collision models of intramultiplet transitions at thermal energies. 368644
Wahrhaftig, A.L.
Electrostatic electron energy analysers and the application of the cylindrical mirror system to the study of ionization efficiencies by electron impact. 371164
Waide, J.J.
In vivo metabolism of pulmonary alveolar epithelial type II pneumonocytes and macrophages from Syrian hamsters. (LF - 56) 362846
Wainerdi, R.E.
Activation analysis opportunities using a $5x10^{12}$ to $5x10^{13}$ n/sec 14 MeV generator. 369579
Use of very high output 14-MeV neutron generators for rock and ore sorting. 375385
Waintal, A.
Magnetic ion-lattice interaction in RZn compounds. 362433
Wainwright, J.
Energy-momentum tensor of the electromagnetic field. 371389
Wainwright, P.
The interaction of cytochrome c with phospholipids. 378982
Wainwright, P.F.
Low-energy elastic scattering of polarized electrons by polarized hydrogen atoms. 358695
Measurement of spin-exchange effects in electron-hydrogen collisions: Impact ionization. 350557
Wait, S.C. Jr.
The effects of ultraviolet radiation on uracil derivatives. 370325
Waite, D.A.
Detailed accident analysis for the high level waste preparation phase of the commercial nuclear waste vitrification project. (BNWL - 2207) 379113
Environmental surveillance for nuclear facilities. 379283
Guide to good practices at plutonium facilities. (BNWL - 2086) 362604
Radiological design criteria. 355024
Waite, E.
Nuclear reactor fuel element sub-assemblies. (UK patent document 1478985/A/) 350161
Waitzova, D.
Possible application of radionuclides in the quantitative assessment of intramuscular irritation by drugs. 373648
Wajchenberg, B.L.
Preparation of radioinsulins for radioimmunoassay. (IEA - 472) 352171
Wajda, S.
Investigations of the structure of binuclear molibdenum(5) complexes by the isotopic exchange method. 354386
Investigations on the structure of u-oxochlororuthenate (4) by the isotopic exchange method. 354387
Wakabayashi, Hiroaki
Applications of a lead pile coupled with fast reactor core of Yayoi as an intermediate energy neutron standard field. (UTNL-R - 0039) 368004
Characteristics of YAYOI pulse operation by reactivity insertion with R-pulser. 361012
Current status of fast pulsed reactor development and utilization. 361009
A helium-3 proportional counter technique for estimating fast and intermediate neutrons. (UTNL-R - 0038) 368302
Wakabayashi, J.
Effects of impurities on alpha particle loss in a tokamak reactor. 377503
Wakabayashi, Jiro
Current status of fast pulsed reactor development and utilization. 361009
Wakabayashi, N.
Charge fluctuation model of lattice vibrations. 349555
Electron-phonon contribution to the phonon linewidth in Nb: Theory and experiment. 367235
Wakabayashi, T.
Breast cancer incidence among atomic bomb survivors, Hiroshima and Nagasaki, 1950 - 1969. 362704
Thermal-neutron behavior cluster-type plutonium fuel lattices. 352456
Wakai, M.
Influence of quadrupole pairing on back bending. 377944
Influence of quadrupole pairing on backbending. (ZfK - 336) 364686
Wakaizumi, S.
An indication of three-quark structure from p-p elastic scattering at $\sqrt{s} = 53$ GeV. 353999
Wakamatsu, Yoshinobu
Spectrophotometric determination of molybdenum(VI) with sodium 2-bromo-4, 5-dihydroxyazobenzene-4'-sulfonate in the presence of cetyltrimethylammonium chloride. 372939
Wakatani, M.
End loss reduction in linear devices by means of oscillating multiple mirrors. (IPPJ - 285) 366547
Magnetohydrodynamic instabilities in a current-carrying stellarator. 348940
Magnetohydrodynamic instabilities in a stellarator. (IPPJ - 287) 368972, 371941
Survey of linear MHD stability in tokamak configurations. (COO - 2456-46) 359038
Wakatani, Masahiro
End pluggings of a linear theta pinch by hot high Z plasmas of high mass number. (IPPJ - 262) 366555
Wake, R.H.
Nuclear stethoscope. 374367
Wakefield, D.J.
Primary coolant system response to an HTGR core heatup. (GA-A - 14277) 367748
Wakisaka, Kazunori
Method of and apparatus for shielding radiation emitted from a radioactive pipe. 349910
Wakiya, K.
Auger-electron spectra ejected in the Ar $L_{2,3}MM$ and the Xe $N_{4,5}OO$ processes by electron impact. 377085
Auger-electron spectra ejected in the Ar Lsub(2,3)MM and the Xe Nsub(4,5)OO processes by electron impact. 358793
Differential and integral cross sections for excitations in O_2 by electron collision. 353380, 377143

Wakuta, Y.
Effect of dissociator nozzle temperature on polarized atomic hydrogen beam intensities. 368716
Wakuta, Yoshihisa
A pulse-operated polarized H^- ion source of lamb-shift type. 355199
Wal, A.J. van der
Field dependeny of the $^{19}F(II)$ nuclear spin-lattice relaxation in the two-dimensional anti ferromagnet K_2MnF_4. (INIS-mf – 4267) 377315
Wala, K.
A measurement of the electromagnetic size of the pion from direct elastic pion scattering data at 50 GeV/c. 353922
Walbeck, M.
Long-distance energy as an element of heat, power and synthesis gas supply taking account of its introduction to the market. 370978
Walburg, H.E.
Animal metabolism. (ORO – 754) 379123
Walcher, T.
Application of a spiral resonator for bunching picosecond heavy-ion pulses. 363263
Heidelberg 3MV c-w heavy ion postaccelerator section using independently phased spiral resonators. 363266
Operation experiences with the test section of a superconducting heavy ion post accelerator. 363252
Walck, Ch.
Mechanisms in anti pp annihilation. 369390
A search for the I peak at 2.60 GeV/c^2 in 12 GeV/c anti pp interactions in the CERN 2m HBC. 377781
Study of the reaction anti pp → anti pωp at 9.1 GeV/c. 372537
Wald, J.
Long term recycling characteristics of LiF (TLD-100) dosimeter material. 361064
Wald, N.
Medical modification of human acute radiation injury. 354824
Wald, R.M.
The back reaction effect in particle creation in curved spacetime. 353167
Probability distribution for radiation from a black hole in the presence of incoming radiation. 364391
Walden, D.B.
Chromosome aberrations produced by 5-bromodeoxyuridine with concurrent exposure to long wavelength UV in Zea mays root tip cells. 360252
Waldenmeier, G.
Plant for decanting strongly radioactive resins in waste containers. (German (F.R.) patent document 2526424/A/) 352402
Walder, J.M.M.
Gamma radiation effects on Callosobruchus Maculatus (Fabr., 1792) (Coleoptera, Bruchidae). 357671
Influence of temperature and gamma radiation on the longevity of 'Rhysopertha dominica' (F.). 352149
Labelling of adults of 'Diatraea Saccharalis' (F.) through feeding of worms with radioisotope (^{59}Fe) labelled diet. 352148
Some gamma radiation effects on Callosobruchus maculatus (Fabr., 1775) (Col. Bruchidae). (CENA-BC – 038) 354796
Walder, J.M.N.
Influence of oxygen, nitrogen and carbonic gas during gamma irradiation of 'Sitophilus zeamais' Mots. and 'Zabrotes subfasciatus' (Boh.). (CENA-BC – 041) 365483
Walder, V.
Materials for selected components of fast reactor power systems. 349498
Testing pipes of sodium-heated steam generators. (INIS-mf – 4211) 379631
Walder, V.S.
Study of the interaction of slow neutrons with DNA molecules: hydration and moving freedom of hydrogen atoms. 354751
Waldhoer, G.
Design requirements for the SNR-300 containment system. (CONF-761001 – P2) 365589
Waldmann, J.
Process steam from LWR reactors. 370920
Waldren, D.
Measurement of the branching ratios of multi-pion final states in anti pp annihilation at 1.6 GeV/c. 366884
Waldrop, M.
Technology behind nuclear proliferation. 366206
Walecka, J.D.
Semi-leptonic weak and electromagnetic interactions in nuclei. 354125
Semileptonic weak interactions in nuclei. 377775
Walenta, A.H.
Measurement of the $(K^+ \to \pi^0 \mu^+ \gamma)/(K^+ \to \pi^0 e^+ \gamma)$ branching ratio. 356509
Wali, K.C.
Monopole theories with strings and their applications to meson states. 353036
Waligora, S.J.
Development of a five-stage, round jet, virtual cascade impactor. (LF – 56) 365617
Waligura, A.
Safeguarding on-power fuelled reactors – instrumentation and techniques. (AECL – 5712) 361214
Safeguarding on-power-fuelled reactors. Instrumentation and techniques. 371293
Walis, L.
Application of neutron activation analysis for the determination of implantation profiles of phosphorus in semiconductor grade silicon. 364879
Determination of diffusion profiles by autoradiography and their quantitative interpretation. 374795
A radiotracer technique for evaluating the covering power of electrolytic baths for noble metals. 355116
Walisko, H.
Studies on ceramic coatings – a possible means to prevent frictional and diffusion welding of metallic materials in helium-cooled reactors. 370778
Walker, A.
Some design problems of the Hartlepool and Heysham AGRs. 352704
Walker, A.B.C. Jr.
Absorption of X-rays in the interstellar medium. 374950
The interstellar medium in the direction of the crab nebula: reconciling soft X-ray and radio observations. 374951
Walker, A.C.
Multikilojoule CO_2 laser heating of polythene pellets. (INIS-mf – 3963) 372080
Walker, A.D.M.
The ray velocity surface and the CMA diagram. 366651
Walker, D.C.
Effects of very high dose-rates on solvated electron yields (extended abstract). 359787
Electron localisation: evolution of optical spectra. 362287
Luminescence following laser excitation of trapped electrons in mixed-solute aqueous glasses. 367174
Walker, D.E.
Brazed thermocouple pass-through for sodium service in a liquid-metal-cooled fast breeder reactor. 371059
Walker, D.E.Y.
The characterisation of graphite powders tested for use in HTR fuel compact matrices. (TRG-Report – 2986(S)) 354537
Walker, E.
Elastic constants of Nb-Zr single crystal alloys between 4.2 K and the melting point. 378742
Magnetization behaviour of $DyAl_2$ and $GdAl_2$. 378592
Walker, E.N.
Blue band photometry of Cygnus X-1. (CONF-7510169 –) 364423
Broad emission features and "wake" in HD 153919. (CONF-7510169 –) 364424
Optical photometry of Cygnus X-1: 1972-1976. 372294
The 39-d period in Cyg X-1. 359181
Walker, F.
The effects of helium, sodium and other environments on the fatigue crack propagation characteristics of a stainless steel. 354551
Walker, G.E.
Intermediate energy nuclear reactions. 372685
Walker, G.O.
The early morning development and the evening decay of electron content-latitude profiles at low latitudes and their dependence upon solar declination. 373474
Walker, J.
Optical and EPR spectroscopy of a tetragonal radiation-damage defect in diamond. 351913
Optical studies of irradiated diamond. 370239
Radiography with neutron beams for the pre- and post-irradiation testing of nuclear fuel. 376436
Walker, J.K.
Inclusive production of π^{+-}, K^{+-},p,p-bar in high-energy p-p collisions. 372527
Walker, J.L.
Structural component made of a zirconium alloy and heat treatment process for it. (German (F.R.) patent document 2607146/A/) 351725
Walker, J.S.
Solitary fluid transients in rectangular ducts with transverse magnetic fields. 377316
A theoretical study of the effects of wall conductivity, non-uniform magnetic fields and variable-area ducts on liquid-metal flows at high Hartmann number. 371612
Walker, J.V.
Large scale test technology. (SAND – 77-1117C) 365594
Walker, L.G.
Girdler-sulfide process physical properties. (AECL – 5702) 359666
Walker, M.S.
Development of a fluidized-bed calciner and past-treatment processes for solidification of commercial fuel-reprocessing liquid wastes. (ICP – 1136) 380023
Fast ramp superconductor for ohmic heating coils. (CONF-771029 – 180) 377563
Integrated composite conductor for the LCS program. (CONF-771029 – 105) 374017
Loss behavior in twisted filamentary superconductors. 360001
Production of multifilamentary Nb_3Sn composites incorporating a high tin bronze. (UCRL – 13717) 364239
Walker, P.M.
Band crossing in ^{172}HF. (ANU-P – 691) 372828
Decoupled two-quasiparticle bands and backbending in ^{174}W and ^{172}Hf. 356750
Decoupled 2-quasiparticle bands and backbending in ^{174}W and ^{172}Hf. (ANU-P – 679) 356591
High spin states and two-quasiparticle structure in ^{172}Hf. (ANU-P – 683) 356919
High spin states in ^{172}W, ^{174}W and ^{176}W studied by (^{16}O,xn) reactions: decoupled quasiparticle bands and backbending. (ANU-P – 674) 362054
High-spin states and two-quasiparticle structure in ^{172}Hf. 372829

Walker, Q.A.
Status of the Chalk River superconducting heavy-ion cyclotron. 363309
Walker, R.
One-, two-, and three-particle distributions in pp collisions at 205 GeV/c. 372529
Walker, R.B.
Crossed molecular beam study rotational excitation of HD(J = 0 → 1) in collisions with He. (LBL – 6214) 358737
Quantum versus classical dynamics in the treatment of multiple photon excitation of the anharmonic oscillator. 350691
Walker, R.F.
A specific radio-immunoassay procedure for plasma clomipramine. 379205
Walker, R.J.
Staff development for plant startup and reactor servicing activities. 352622
Testing interface with utilities: problems and recommendations. 358172
Tests of factorization from single- and double-pion production in 100-GeV/c p-antip and pp collisions. 351230
Walker, R.L.
Channeling and coherent bremsstrahlung effects for relativistic positrons and electrons. 362553
Walker, R.M.
Search for fission tracks from superheavy elements in Allende. 377607
Walker, R.P.
A small multiwire proportional chamber of novel design. 371087
Walker, R.S.
A semiempirical method of applying the dechanneling correction in the extraction of disorder distribution. 364145
Walker, T.G.
A partial-wave analysis of world data for the reaction $\pi^- p \rightarrow K^0 \Lambda$ from threshold to 2350 MeV/c. 353760
Walker, T.W.
Isotopic studies on the uptake of sulphur by pasture plants. 367569
Walker, W.D.
Investigation of π^+Ne and π^-Ne interactions at 10.5 GeV/c. 372541
Walkinshaw, W.
Computing and automation division quarterly report 4 April – 3 July 1977. (RL – 77-087/A) 352424
Walko, R.J.
Field ion microscopy of metal-metal contacts. 378753
Wall, I.B.
Overview of the reactor safety study consequence model. (SAND – 77-0151C) 357824
The Rasmussen report. A retrospective and prospective view. 370587
Wall, J.V.
An estimate of the counts of faint radio sources at 5 GHz. 372295
Interpretation of source counts and redshift data in evolutionary universes. 366774
The Parkes 2700 MHz survey: counts of the sources and their distribution on the sky. 366773
Wall, N.S.
Bound-state momentum distributions. 359369
Wallace, A.
Estimated inventory of plutonium and uranium radionuclides for vegetation in aged fallout areas. (NVO – 171) 379139
sup(239,240)Pu and ^{241}Am contamination of vegetation in aged fallout areas. 349652
Wallace, D.M.
Performance of PFR hydrogen leak detection system based on water and hydrogen injection into the steam generator units. (CONF-760503 – P2) 352738
Wallace, O.J.
Taylor coefficients for Eisenhauer – Simmons gamma-ray buildup factors in ordinary concrete. 361944
Wallace, S.
Fixed-molecule photoelectron angular distributions of CO for fixed source-detector orientation. (ANL – 76-88(Pt.1)) 361401
Wallace, S.J.
Relativistic eikonal expansion. (ORO – 5126-19) 372492
Wallace, T.C.
Chemical vapor deposition of tantalum on graphite cloth for making hot pressed fiber reinforced carbide-graphite composite. (LA-UR – 77-1261) 351863
Wallace, W.E.
Effect of cubic crystal field on the magnetic anisotropy in $HoAl_2$. 362450
Effect of magnetic anisotropy on the heat capacity of $HoAl_2$. 378720
Hydrogen absorption and its effect on structure and magnetic behavior of $GdNi_2$. 353464, 357302
Hydrogen absorption in Th(Ni,Al)$_3$ ternaries. 354568
Hydrogen capacity and crystallography of $ErFe_2$-based and $ErCo_2$-based ternary systems. 354515
Influence of crystal field interaction on the thermal behavior of $ErAl_2$. (IS-M – 81) 351763
Spin-polarized energy-band structure of YCo_5, $SmCo_5$, and $GdCo_5$. 359956
Walle, J. van de
Contribution of field effects to the achievement of higher brightness ion sources. 379379
Walle, R.T. van de
A study of inclusive Ξ^- production from K$^-$p interactions at 4.2 GeV/c. 353964
Wallek, L.
A precision measurement of the longitudinal polarization of $^{210}_{83}$Bi(RaE)β-particles at 900 keV. 351407
Wallenberger, H.
Radiation induced Be segregation in the alloy Cu/182 at ppm Be. 373358
Wallenfels, K.
Experimental investigations of the meltdown phase of UO_2-Zircaloy fuel rods under conditions of failure of emergency core cooling. (KFK – 2435) 357776
Wallenius, U.
Arrangement for simultaneous and continuous determination of radioactive and of total reactive foreign matter in inert gases during flow. Pt. 4. 366053
Wallenwein, E.
Graduation of enrichment in the first core of the Brunsbuettel BWR reactor. 376489
Waller, R.A.
Gamma prior distribution selection for Bayesian analysis of failure rate and reliability. (LA – 6879-MS) 353017
Waller, S.
Some properties of spin-weighted spheroidal harmonics. 359058
Waller, S.M.
Two-dimensional finite element calculational methods for plasma diffusion in low-beta devices. 364193
Wallerstein, E.P.
Optical engineering problems associated with construction of the Shiva Laser Fusion Facility. (UCRL – 80004) 361546
Wallerstein, I.S.
Absorption, retention and translocation of the systemic fungicide triarimol in plants. 379164
Walli, T.K.
Absorption of ^{14}C-stearic acid and ^{3}H-palmitic acid from the intestines of a re-entrant cannulated sheep. 352135
Wallick, W.O.
A comparison of charged coupled devices and film sensitivities. 358399
Wallis, M.K.
comets in the STIP context. 372296
Wallis, R.E.
Band strengths of M stars in the Orion population. 359136
Wallis, V.
List of unclassified documents by the staff of Metallurgy Division, AERE Harwell from January 1972 to July 1977. (AERE-Bib – 196) 368505
Wallisch, K.
Automatic size analysis of coated fuel particles. 365956, 366061
Walliser, H.
Charge asymmetry and charge dependence of two-nucleon scattering. 356554
Wallner, F.
Possibilities for using higher-tensile, water quenched and tempered AlSiMn fine-grained structural steel for reactor containments. (AED-Conf – 76-747-005) 354574
Wallraff, W.
Evidence for the F meson. 353947
Measurements of tau decay modes and a precise determination of the mass. 372505
On the origin of inclusive electron events in e$^+$e$^-$ annihilation between 3.6 and 5.2 GeV. 353772
On the semileptonic decay of charmed hadrons. 356496, 364566
Wallroth, C.F.
Postirradiation examination and evaluation of Peach Bottom fuel test element FTE-6. (GA-A – 13943) 374230
Postirradiation examination of Peach Bottom fuel test element FTE-4. (GA-A – 13452) 365957
Residual stress and strain examination in Peach Bottom fuel test elements. (GA-A – 14324) 352705
Wallura, E.
Measuring variables and errors of the quantitative image analysis. (Juel – 1411) 355237
Quality control techniques for procarbon. 365192
Walmsley, D.G.
Flux flow in longitudinal geometry. 356374
Waloschek, P.
Evidence for the tau → γrhoπ decay mode. 372500
Measurement of the branching ratios for the decays J/psi(3.1) → fω and J/psi(3.1) → Bπ. 372506
Measurement of the J/psi radiative decay into f^0(1270)γ. 377779
Walravens, M.J.
Preliminary orientation and parametric survey for very high temperature reactors with intermediate heat exchangers. 379711
Walser, A.
Concrete containments and the ASME Code, Section III, Division 2. 370625
Walser, R.L.
Purex process operation and performance, 1970 Thoria Campaign. (ARH – 2127) 351694
Walsh, D.
Luminescence and crystal damage in ion implanted CdS and ZnO. 350786
Walsh, D.E.
Radiotracer experiments on carbon formation in zeolites. 369725
Walsh, J.E.
Accessibility of equilibria in an electron beam plasma system. 350813, 371782
Spectral distribution of wave power in wideband beam plasma turbulence. 350888
Walsh, J.M.
TFTR central instrumentation and control philosophy. (WFPS-

TME - 007) 372081
Walsh, M.L.
Albedo-dosimeter response to monoenergetic neutrons. 355049
Walsh, R.L.
Calculation of the fission cross section for ^{233}U and the interpretation of fragment anisotropy and fine structure in anti vsub(p) and anti Esub(k). (INIS-mf - 3896) 356571
Fine structure in the neutron emission from ^{252}Cf spontaneous fission fragments. (INIS-mf - 3896) 356717
Reconciliation of measurements of anti ν/sub p/ for neutron-induced fission of uranium-235. 372717
Walsh, T.
Differential cross sections for p-^{4}He elastic scattering at GeV energies. 354220
Walsh, T.F.
High spin meson decays in the dual resonance model with nondegenerate Regge trajectories. (DESY - 77/63) 366874
Three gluon jets as a test of QCD. 369301, 375036
Walsh, W.P.
Guide to good practices at plutonium facilities. (BNWL - 2086) 362604
Walshe, J.M.
The pattern of the whole body distribution of radioactive copper (^{67}Cu, ^{64}Cu) in Wilson's disease and various control groups. 379124
Walske, C.
Industrial capacity is not a constraint. 361151
Nuclear electric power and the proliferation of nuclear weapon states. 365729
Walstam, R.
Radiation-physical conditions concerning irradiation by means of remote afterloading. 376261
Walstrom, P.L.
Design of a three-meter, 7.5-TESLA superconducting segment test facility. (CONF-771029 - 109) 372082
Waltar, A.E.
First-generation model to predict particle-size distributions for condensed UO_2 vapor. 352253
Mathematical and computational techniques employed in the deterministic approach to liquid-metal fast breeder reactor safety. 373875
Primary aerosol particle-size distribution from homogeneous nucleation condensation and particle growth. (NUREG - 0391) 379265
Walter, A.J.
The characteristics of fission gas release from monocrystalline uranium dioxide during irradiation. 357412
Walter, G.
Decay of ^{46}Ar. 369488
Decay of a T/sub z/ = - 2 nucleus: Argon-32. 364777
Gamma-ray spectroscopy of ^{37}Cl via the $^{3}H(^{35}Cl,p\gamma)^{37}Cl$ reaction. 356699
Walter, H.
Evaporation losses during handling of liquid helium. 360618
Experience with a supercritical helium cooling system for the investigation of superconductors. 360628
Walter, H.K.
Experimental study of the reaction $^{7}Li(\pi^{+}, \pi^{0})^{7}Be$ in the (3, 3) resonance region. 366961
Magnetic hyperfine anomaly in muonic ^{193}Ir. 364802
Measurement of gamma-rays, neutrons and charged particles after π^{-}-capture in nuclei. 378077
A new upper limit for the decay $\mu^{+} \rightarrow e^{+}\gamma$. 369383
Walter, J.L.
Microstructural study of the crystallization of the amorphous alloy $Ni_{40}Fe_{40}P_{14}B_{6}$. 360002
Walter, K.
Periodic brightness variation of the optical counterpart of A0620-00. (CONF-7510169 -) 364312
Walter, P.A.
Electrical circuit for an ultrasonic impulse echo process for the measurement of wall thickness of test pieces. (German (F.R.) patent document 2643300/A/) 355627
Walter, R.I.
Proton hyperfine coupling constants in the tri-p-anisylaminium cation radical from proton and deuterium contact shifts. 362195
Walter, R.L.
Discrepancies between global nucleon-nucleon phase shifts and new data for n-p scattering at 16.9 MeV. 367009
A pulsed beam time pickoff system for nanoampere beams. 363290
Walter, Z.
Investigation of predenaturation changes caused by gamma irradiation in DNA lymphocytes applying fractionation on hydroxylapatite. 373488
Walterbusch, G.
Ventilation scintigraphy with ^{125}Xe - first results. (INIS-mf - 4010) 370497
Walters, C.R.
Development of superconductors for fusion technology. (RL - 77-131/A) 374867
Walters, D.
Dynamics of four coupled plasma waves to second order. 369003
Walters, G.P.
The determination of the displacement energy in type 316 austenitic steel. 357423
Walters, L.C.
In-reactor deformation of solution annealed type 304L stainless steel. 360078
In-reactor stress relaxation of Inconel X750 springs. 362554
Irradiation-induced creep in 316 and 304L stainless steels. (CONF-770641 - 3) 351914
Walters, R.F.
Summary report on salt dissolution review meeting, March 29 - 30, 1977. (Y/OWI/TM - 31) 363669
Walters, W.B.
The lifetime of the 376.7-keV level and shape coexistence in ^{111}Ag. 356772
Non-destructive determination of trace-element concentrations. Annual progress report, September 1977. (ORO - 5173-001) 364870
Walters, W.F.
Energy-dependent finite element method for two-dimensional diffusion problems. 374120
Walther, H.
Interactions in intense laser fields. 374645
Walton, G.N.
Corrosion and hydriding of zirconium and its alloys. 373105
Energy from the atom. 371251
Walton, J.T.
Thin window Si(Li) detectors for the ISEE-C Telescope. (LBL - 6434) 379960
Walton, L.A.
Nuclear fuel element nut retainer cup. (US patent document 4,036,692/A/) 360921
Walton, O.R.
Effects of porosity, strength and water content on attenuation of stresses generated by subsurface explosions in soils. (UCRL - 79113) 363121
Response of porous beryllium to static and dynamic loading. (UCRL - 79712(Rev.1)) 351764
Walton, P.D.
Indium polytelluride In_2Te_5(II). 370069
Walton, R.D. Jr.
ERDA's long-term waste management goals and programs. 358464
Walton, S.
Right ventricular involvement in myocardial infarction demonstrated by high frequency radionuclide cardiography. (INIS-mf - 4010) 370511
Waltz, R.E.
Tokamak boundary in contact with a limiter. 348977
Waluga, T.
Calorimetric and X-ray investigation of t-nitrobutane. 364141
Walz, D.R.
Electron linac design for pion radiotherapy. 363292
On the existence of natural spontaneously-fissioning superheavy elements. 359745
Wambersie, A.
Intestinal proliferation after multiple fractions of gamma irradiation. 365393
Pre-therapeutic radiobiological experiments performed at Cyclone with d(50)-Be neutrons. Comparison of RBE/absorbed dose relationships obtained for several biological criteria. 379047
Wambsganss, M.W.
Effect of tube-support interaction on the dynamic responses of heat exchanger tubes. (CONF-770807 - 51) 374266
Wampler, E.J.
Spectroscopic observations of the X-ray nova A0620-00. 349036
Wampler, W.R.
Measurement of the depolarization rate of positive muons in copper and aluminium. 358874
Positron annihilation studies of quenched aluminium. 368901
Wan, C.N.
Radiopharmaceuticals. XXVII. ^{18}F-labeled 2-deoxy-2-fluoro-D-glucose as a radiopharmaceutical for measuring regional myocardial glucose metabolism in vivo: tissue distribution and imaging studies in animals. 373600
Wand, H.
SFAK - a programme for calculating the self-absorption of unscattered gamma radiation from fuel assemblies. (ZfK - 318) 355339
Wandelt, K.
Electron spectroscopy study on Gd/Fe alloy films. 370070
Wanders, G.
Analysis of the constraints and correlations the Roy equations impose on S- and P-wave pion-pion scattering. 377722
Wandzura, S.
Comment on "Precocious scaling in field theories". 359324
Rate for $\mu^{-} \rightarrow e^{-} + e^{-} + e^{+}$ in two SU(2) x U(1) models. 359228
Sum rules for spin-dependent electroproduction - test of relativistic constituent quarks. 369336
Wanek, P.M.
The production of medically useful radioisotopes at the Los Alamos Meson Physics Facility. (INIS-mf - 4010) 356850
Wang, A.Z.F.
Interaction of rare gas metastable atoms. (LBL - 6935) 371539
Wang, C.
Absolute coverages and sticking coefficients: CO and O_2 on the tungsten (110) plane. 370071
Wang, C.S.
Substorm-associated long-period hydromagnetic waves. 351984
Wang, C.Y.
Analysis of transient fluid-structure problems using an advanced Eulerian method. 360483
Comparison of ANL containment codes with SNR-300 simulation experiments. (CONF-761001 - P3) 365577
Eulerian algorithm for analyzing fluid-structure interaction in the fast reactor containment. (CONF-770807 - 54) 373876
Generalized Eulerian method in reactor containment analysis and its comparison with other numerical methods. (CONF-761001 - P3) 365534

Wang, D.J.
Thyroid cancer after irradiation. 352045
Wang, E.C.
Hyperfine structure of the 2s state of $^3He^+$. 350669
Wang, F.E.
The Tsub(c)-SSR correlation in A_3B(A15-type) compounds. 349556
Wang, G.-C.
Disordering phenomena and adatom-adatom interactions in chemisorption: a study of W(110)p(2x1)0 as a function of coverage. 370072
Wang, H.h.
Molecular Rydberg states. VII. Water. 350471
Wang, H.J.
Formation of carbonium ions, carbanions and carbanion-pairs in irradiated solutions, and the reactivity of these intermediates. 357145
Wang, H.T.
Molecular Rydberg states. XI. Quantum defect analogies between molecules and rare gases. 366240
Wang, H.Y.
I. Activation energies for the gas phase reactions of hydrogen atom with carbon monoxide and with ethylene. II. Rate constants for the reactions of benzyl cation with triethylphosphine and with triethylarsine in 1,2-dichloroethane. 373101
Wang, J.
Radiation sensitivity of cultured human glioblastoma cells. 362626
Wang, J.C.
$^6Li(n,d)^5He$ and $^7Li(n,d)^6He$ with 56.3 MeV neutrons. 351337
Proton pickup from ^{27}Al via the (n,d) reaction at 56.3 MeV. 354161
Wang, K.
Reply to the Comment on "Dependence of the Ta K x-ray energy on the mode of excitation". 358752
Wang, K.-C.
Nuclear charge parameters and quadrupole moment in ^{105}Pd from muonic X-rays. 372827
Wang, K.C.
An experimental study of the E0, E2 and E4 charge moments of ^{161}Dy using muonic atoms. 369505
Wang, L.
Estimates of production cross sections and distributions for W bosons and hadronic jets in high-energy pp and p anti p collisions. 372472
Wang, L.L.
Anticipating the intermediate boson. (BNL – 22661) 361861
Wang, M.C.
Effective interaction and energy spectra in the vicinity of ^{208}Pb. 375103
Effective two-body interaction in the vicinity of doubly closed shells. 364791
Wang, M.Y.
Magnetic monopole, quark confinement and gravitational effects. 356469
Wang, P.S.
Induced Jahn-Teller transition in $PrCu_2$. 378703
Wang, R.
Semi-automatic solid-phase radioimmunoassay for carcinoembryonic antigen. 352175
Wang, S.T.
ANL experimental program for pulsed superconducting coils. (CONF-771029 – 184) 377564
Design of a superconducting toroidal field magnet system for the Argonne Tokamak experimental fusion power reactor. 366616
Fabrication experiences and operative characteristics of the U.S. SCMC superconducting dipole magnet for MHD research. (CONF-770801 – 23) 372318
Radiation hardness of MOS devices and N-channel MOS/SOS transistors. 363633
Superconducting coil design for a tokamak experimental power reactor. (CONF-770842 – 9) 366645
Wang, S.Y.
Cytidine-C(5)-photoexchange: a kinetic analysis. 351992
Photochemistry of 5-bromouridine and 5-bromo-2'-deoxyuridine in ice and in 'puddles'. 357559
Wang, T.C.
Observability of Josephson pair-quasiparticle interference in measurements of flux entry into a superconducting interferometer. 364443
Wang, T.S.
Studies of doublet plasmas in Doublet IIA. 358942
Wang, T.S.T.
Pyrophosphate derivatives of glucose: synthesis and labeling with sup(99m)Tc. 376158
Wang, W.
Statistical atomic models with piecewise exponentially decaying electron densities. 358851
Wang, W.L.
Equilibrium index for fission gas bubbles. 352495
SAS4A LMFBR accident analysis code system: a progress report. (CONF-761001 – P3) 365548
Wang, Y.
Formation of carbonium ions, carbanions and carbanion-pairs in irradiated solutions, and the reactivity of these intermediates. 357145
Rare earth arsenides: the metal-rich europium arsenides. 378743
Wang, Y.C.
Simulation of LMFBR excursion models by means of ICECO. (CONF-770807 – 52) 373843
Wang, Y.M.
On the role of finite inertia and resistivity in axisymmetric pulsar magnetospheres. 374978
Wangler, T.P.
Channeling of positive and negative pions in a silicon crystal. (CONF-770931 – 5) 375092
Wannberg, G.
An atomic-beam magnetic resonance (ABMR) system for on-line hyperfine structure measurements in short-lived nuclides. 374313
Nuclear spins and magnetic moments of some cesium isotopes. 372744
Wannenburg, J.J.
Development and progress of the South African enrichment project. 367853
Wannenmacher, M.
Experimental examinations about the proliferation and radiotherapy after administration of Vincristin and Adriamycin. 367492
Wanner, E.
Joint test rig for testing and calibrating of different methods of two-phase mass flow measurement. (KFK – 2435) 358442
Wannske, M.
Functional scintigraphy after radiotherapy of the skeleton – an experimental investigation on animals and a clinical investigation. (INIS-mf – 4010) 357675
Wantland, J.L.
Dynamic boiling tests in a 19-pin simulated LMFBR fuel assembly. (CONF-771109 – 77) 379822
Edge blockage in a 19-pin sodium-cooled bundle. (CONF-771120 – 8) 373823
Edge blockages in 19-pin sodium-cooled bundles. 352235
Maximum wake temperature and Nusselt number behind blockages in sodium-cooled bundles. (CONF-771109 – 78) 379763
Thermal-hydraulic correlations of a six-channel blockage in a sodium-cooled simulated LMFBR fuel assembly. (CONF-761001 – P4) 362943
Wanzl, W.
Evaluation of high-temperature alloys for nuclear process heat applications. 360881
Test and development of heat exchanger alloys for nuclear steam gasification of coal. 360875
Wapstra, A.H.
1977 atomic mass evaluation in four parts part I. Atomic mass table. 351243
1977 atomic mass evaluation in four parts part II. Nuclear-reaction and separation energies. 351244
1977 atomic mass evaluation in four parts part III. Systematics of separation and decay energies. 351233
Warbick, A.
Evaluation of radiocolloid sizing techniques. 352136
Iodinated E. coli 70S ribosomes as a radiocolloid of uniform particle size for lymph-node and liver scanning. 373644
Warburton, C.
Thermal endurance tests on silicone rubber specimens. (CEGB-RD/B/N – 4078) 354602
Warburton, E.K.
Coulomb excitation of sd shell nuclei: a self-contained set of B(E2) values and lifetime measurements. 375203
Yrast decay schemes from heavy ion + ^{48}Ca fusion-evaporation reactions. I. ^{54} ^{56}Mn, ^{56}Cr, and ^{52} ^{53}V. 351397
Yrast decay schemes from heavy-ion + ^{48}Ca fusion-evaporation reactions II. ^{59} ^{60}Fe and ^{59} ^{60}Co. 364832
Warburton, J.B.
Influence of tellurium on caesium-enhanced corrosion of stainless steel. 373104
Warczak, A.
An absolute measurement of the probability for 1s sigma and 2p sigma excitation of the lead K shell. 377073
Characteristic X-ray emission in solid and gas targets induced by heavy ion-atom collisions. (INIS-mf – 3996) 364146
The optical method for determination of the radiationless deexcitation coefficient in beam-solid experiment. 371699
Ward, B.F.L.
Differential dispersive analysis of e^+e^- annihilation into hadrons. 364552
Ward, B.J.
Effects of rolling and heat treatment on the mechanical properties and structure of a U-2 Mo alloy produced by co-reduction. 373157
Ward, C.T.
Development of A 9 Cr steel with improved strength and toughness. (CONF-770545 – 2) 359898
Ward, D.
Electromagnetic properties of the ground state rotational band in ^{169}Tm. 356900
Isomeric trapping following Coulomb excitation of high spin states in ^{178} ^{180}Hf. (ZfK – 336) 364780
Magnetic moments of N = 50 isotones and proton core polarization. 372761
Ward, D.A.
SGHWR safety design and evaluation. 370990
Ward, D.C.
Observation of a baryon exchange dip and parton effects in backward photoproduction of ω. 372513
Ward, D.L.
Measurement of differential cross sections for elastic K^+p scattering in the momentum range 0.7 to 1.9 GeV/c. 372511
Ward, D.R.
Health physics research reactor. (ORNL – 5171) 367490
Tests of factorization from single- and double-pion production in

100-GeV/c p-antip and pp collisions. 351230
Ward, J.
Australian Mineral Industry. 357493
Ward, J.C.
Isotopic enrichment of uranium hexafluoride. 363066
Ward, J.F.
Radiation damage to DNA in aqueous solution: a comparison of the response of the single-stranded form with that of the double-stranded form. (UCLA – 12-1129) 362637
Radiation damage to DNA in aqueous solution: effects of radiosensitizers. (UCLA – 12-1128) 367463
Ward, J.H.W.
The geology of the area south of Vioolsdrif, Cape Province. (PEL – 257) 367390
Ward, M.A.V.
Theoretical study of Maxwell-Vlasov equations in the region exterior to a perfectly conducting infinite cylindrical antenna. 369004
Ward, M.J.
Spectroscopic observations of the X-ray nova A0620-00. 349036
Ward, R.A.
Importance of long-lived isomeric states in s-process branching. 359182
Ward, R.C.
Mathematics and Statistics Research Department progress report for period ending June 30, 1977. (ORNL/CSD – 27) 358598
Ward, R.L.
Inactivation of poliovirus in wastewater sludge with radiation and thermoradiation. 365371
Recent developments in Sandia Laboratories' sewage sludge irradiation program. (INIS-mf – 4220) 379412
Recent developments in the Sandia Laboratories' sewage sludge irradiation program. (SAND – 77-1411) 379413
Ward, R.S.
Instantons and algebraic geometry. 355719
Ward, S.
Multikilojoule CO_2 laser heating of polythene pellets. (INIS-mf – 3963) 372080
Ward, W.J. III
Barrier technique for separate measurement of radon isotopes. 367140
Wardaszko, T.
Radiation hazard to population due to radon-222 in natural gas. 367839
Wardle, J.F.C.
Upper limits on the Faraday rotoation in variable radio sources. 351095
Wardman, P.
Comment: lifetimes of the solvated electron in liquid alcohols. 365036
Ware, A.A.
Pfirsch – Schlueter friction in present tokamak plasmas. 364204
Wareing, J.
The relationship between striation spacing, macroscopic crack growth rate, and the low-cycle fatigue life of a type 316 stainless steel at 625°C. 357340
Warenik-Szymankiewicz, A.
Cytogenetic and autoradiographic investigations in gonadal dysgenesis. 362765
Warhlami, L.
Construction and measurement possibilities of Moessbauer spectrometer type N-255. (INIS-mf – 4015) 374309
Waring, J.P.
FLECHT-SET systems: systems effects on reflooding behavior. 376535
Warke, C.S.
Hydrogen atom and hydrogen mulecular ion in homogeneous magnetic fields of arbitrary strength. 363871
Warmack, R.J.
Ionizing collisions of potassium atoms with D_2O. 368717
Warman, A.
Target stations and beam dumps for the CERN SPS. 363268
Warman, J.M.
The study of primary and secondary charge carriers in nanosecond pulse irradiated liquid dielectrics using a resonant microwave cavity. 362288
The study of the transient conductivity of pulse irradiated dielectric liquids on a nanosecond timescale using microwaves. 365062
Warmerdam de Leeuw, J.M.
A search for the I peak at 2.60 GeV/c^2 in 12 GeV/c anti pp interactions in the CERN 2m HBC. 377781
Warnecke, E.
Applying hafnium or hafnium alloys as material in plants for reprocessing irradiated nuclear fuels. (German (F.R.) patent document 2520870/A/) 354467
Counter current extraction column for liquid-liquid-extraction with synchronous electrolysis. (German (F.R.) patent document 2520869/A/) 354479
Warnecke, I.
Charge-asymmetry equilibration in the reaction of ^{129,132,136}Xe with ^{197}Au near the interaction barrier. 366989
Warnecke, P.
Aluminium based resistance alloys for low temperatures. 357341
Warner, B.
Observations of novae and related objects at minimum light. 353717
Warner, B.F.
Experimental facilities for the development of the United Kingdom high-level liquid solidification process. 358507
Warner, D.D.
The low-lying levels of ^{147}Pm. 351320
Warner, G.G.
Absorbed dose to mammary glands. (ORNL – 5171) 367541
Distribution of dose within the body from a photon emitter present in an organ. 360349
Estimates of photon dose to the gonads per microcurie-day as a function of the source organ and the age of the individual. (ORNL – 5171) 367601
Estimates of radiation dose to the embryo from nuclear medicine procedures. (ORNL – 5171) 367599
Pediatric phantoms. (ORNL – 5171) 367597
Practical methods of dose reduction to the bladder wall. (ORNL – 5171) 367600
Preliminary considerations in the use of large planar intrinsic germanium detectors for detection of internally deposited actinides. (ORNL – 5171) 367552
Theoretical evaluation of optimum detector size and positioning for low-energy in vivo gamma spectrometry. 371131
Warner, P.J.
NGC 6251, a very large radio galaxy with an exceptional jet. 356339
Phaseless aperture synthesis. 372119
Warner, R.T.
Sensitivity enhancement of a spin-flip Raman laser absorption spectrometer through use of an intracavity absorption cell. 371369
Warnich, J.T.
Radionuclide bone imaging in the surgical treatment planning of odontogenic keratocysts. 352113
Warnke, E.P.
Finite element calculation of prestressed-concrete reactor vessels. 376422
Strength hypotheses for cast iron and their effects on calculation and layout of prestressed cast-iron pressure vessels. 370073
Warnock, R.L.
Dynamical equations for a Regge theory with crossing symmetry and unitarity. III. Crossing-symmetric representation with explicit Regge-pole terms. 359270
Multiple solutions of the Roy equations: N/D method on a finite interval. 372357
Waroquier, M.
Description of positive parity bands in odd-mass In isotopes. 372621
The Jsup(π) = $(9/2)^+$ bands in odd-mass Sb and I isotopes: evidence for deformed states. 372624
Magnetic moment of the J/sup π/+ isomeric level in ^{134}Te. 351289
Warr, C.P.
Measurements of the performance parameters of gamma cameras. Part I. (FDA – 78-8049) 379897
Warren, G.
Mechanisms in anti pp annihilation. 369390
A search for integrally charged quarks. 377788
Study of the reaction anti pp → anti pωp at 9.1 GeV/c. 372537
Warren, G.J.
An intercomparison of dosimetry techniques in radiation fields at two high-energy accelerators. 370655
Warren, G.R.
Transient deformation of LMFBR cores due to local failure: experimental and theoretical investigation. 374237
Warren, J.
Search for the production of particle-stable neutral nuclei at multi GeV energies. 369513
Warren, J.M.
Comparative excretions of strontium isotopes in man. 370419
Warren, K.S.
Purified antigen radioimmunoassay in serological diagnosis of Schistosomiasis mansoni. 352170
Warren, P.
R.b.e. for the two components of weight loss in the mouse testis for fast neutrons relative to X-rays. 349742
Warren, P.R.
Spectroscopic radial velocity and photometric observations of barium stars. 356199
Warren, R.K.
Recent advances in uranium exploration with electronic alpha cups. 370268
Warren, R.W.
Vacuum interrupters used for the interruption of high dc currents. (LA-UR – 77-2356) 372083
Warrier, S.B.K.
Application of gamma radiation and heat treatment for the preparation of fish protein concentrates from Bombay duck (Harpodon nehereus). 349832
Warshaw, D.
Early evaluation and diagnosis of vascular impairment of flaps using ^{99}Tc sodium pertechnetate – an experimental and clinical model. (INIS-mf – 3663) 354897
Warshaw, S.I.
BBC users manual. (UCID – 17124(Rev.1)) 377847
Warszawski, J.
Isovector correlations and pion single charge exchange reactions in light nuclei. 372686
Wartofsky, L.
Radioimmunoassay for 3,3'-L-diiodothyronine (3,3'T_2). 357634
Solitary autonomous thyroid nodules: comparison of fluorescent and pertechnetate imaging. 373695
Warwick, J.W.
Planetary radio astronomy experiment for Voyager missions.

374979
Warwick, R.S.
Statistical investigation of compact emitting regions in extragalactic radio sources. 374872
Warzawa, W.
Method and device for coating of particles, containing fissile, fertile or absorber material, used for HTR fuel elements. (German (F.R.) patent document 2343123/B/) 352689
Waschkowski, W.
Scattering of slow neutrons by the isotopes of chlorine. 351382
Wase, Keizo
Device for filling a container with radioactive wastes. 380025
Waseda, Y.
Resistivity, its temperature coefficient and thermoelectric power of liquid rare earths (La, Ce, Eu, Gd, Yb) using t matrix. 370074
Washburn, J.
Climb of dislocations in boron-ion-implanted silicon. 351877
Shrinkage of rod-shaped defects in boron-ion-implanted silicon. 351876
Washimi, H.
Two-dimensional self-modulation of a whistler wave propagating along the magnetic field in a plasma. 350880
Washimi, Haruichi
Wave-trapping in an inhomogeneous magnetoplasma. 360214
Washington, C.E.
Comparison study on GCFR core support grid plate displacement among experimental, analytical, and finite-element models. (GA-A – 14325) 358282
Static test of the gas-cooled fast breeder reactor core support grid plate: comparison of experimental, analytical, and finite-element models. (GA-A – 14121) 379746
Structural analysis of the gas-cooled fast breeder reactor core support. (GA-A – 14098) 365970
Washino, Masamitsu
Hydrogen isotope effect on the radical addition of the hydrogensulfite ion to allyl alcohol in aqueous solutions. 378535
The treatment of waste water containing PVA by ionizing radiation, (2). 349962
Wasilew, W.
Automatic radioisotopic balance of band-conveyer type RILIN-2/800. (INIS-mf – 4015) 373966
Radioisotopic device for automatic feeding of cement components into milling machine – "Doza – 2/3". (INIS-mf – 4015) 373967
Wasilewska, M.
Radioisotopic analyzers for continuous content determination of certain elements in raw materials. (INIS-mf – 4015) 373968
Wasowicz, J.
Catalytic reduction of 2-nitrofluorene-9-^{14}C. 378496
The synthesis of acetylacetone (1,3-$^{14}C_2$) with the use of vacuum manifold. 373013
Wass, J.
Attempted cell synchronization in the treatment of acute non-lymphoblastic leukemia in adults. 370452
Wassenaar, S.D.
The polarized beam facility in Eindhoven. (INIS-mf – 4267) 379513
Scattering of polarized protons by iron and nickel isotopes. 362067
Wassenhove, G. van
Ion pair production in H(1S) + H(2S) collisions. 353216
Wasserburg, G.J.
Correlated O and Mg isotopic anomalies in Allende inclusions: II. Magnesium. 351096
Mg and Ca isotopic study of individual microscopic crystals from the Allende meteorite by the direct loading technique. 349640
Wassermann, I.
A study of lithium uptake and location in the brain using the nuclear track technique. 372845
Wassilew, C.
Creep behaviour of the austenitic steel 1.4970 during and after neutron irradiation in the BR2 plant. 370240
Wassmuth, H.-W.
Reaction- and desorption kinetics of strontium and chlorine on a tungsten surface. 369908
Waszczyszyn, Z.
Numerical analysis of circular elastic-plastic plates under cycles of pressure and temperature. 374170
Watamwar, S.B.
Operating experience and radiation protection problems in the working of the radio-metallurgy hot cell facilities at BARC. (INIS-mf – 4159) 376216
Watanabe, Chieko
Energy degradation matrix for inelastic scattering of neutrons. 349097
Watanabe, H.
Dependence of the G value on scavenger concentration. 359816
Irradiation experiments of uranium carbide, carbonitride, and nitride fuels in JAERI. 379823
Vacuum system for the KEK proton synchrotron. 363257
Watanabe, Hidemi
Clinical investigation of myocardial scanning with thallium-201. 354963
Watanabe, Hironobu
Establishment of doses for design and operation objectives of light water type power reactor delivered from implication of ALAP in ICRP recommendation (1962). (NIRS-M – 20) 379319
Watanabe, Hiroshi
Radiation preservation of Citrus Unshiu, 3. 349833
Watanabe, Hitoshi
Plutonium fuel research facility for advanced LMFBR fuel. 379472
Watanabe, Ikuo
Cell inactivation effects of fast neutrons produced by NIRS cyclotron. 349706
Watanabe, K.
In-depth profile of altered layers of copper-nickel alloys formed by sputtering. 368902
O_4 symmetry, light-cone expansion and the electroproduction structure function. 363820
Watanabe, Kunihiro
The fluorometric determination of indium with 8-quinolinethiol. 359715
Watanabe, M.
Analyses of differential sensitivities of synchronized Hela S3-cells to radiations and chemical carcinogens during the cell cycle. 354752
Theory for space-time evolution of explosive-type instability. (IPPJ – 276) 353653
Watanabe, N.
On-board refrigeration system. 360630
Time-of-flight pulsed neutron diffraction of liquids using an electron linac. 371140
Watanabe, R.
Mechanical properties of vanadium-niobium alloys. 378731
Watanabe, S.
Application of the continuous model to the study of the mechanism of TL induction by UV in natural CaF_2. 350748
Calculation of emission cross-sections on the dissociative excitation of H_2O by electron-impact. 368633
Corrosion of cladding materials in GCFR containing impurities in the coolant. 351676
Effect of fast neutron irradiation on the mechanical and structural properties of niobium. 351900
Effect of gamma radiation on the thermoelectret state of BeO. (INIS-mf – 4127) 363962
Effect of simultaneous thermal and optical treatments in LiF(Mg). 350717
Increase in the corrosion resistance through precipitation in zircalloy – 4. 351793
Measurements of optical absorption in natural CaF_2 crystals. 350750
Polycrystalline dosimetric discs of natural CaF_2. (IEA – 474) 352822
Radiation-induced copolymerization of hexafluoroacetone with α-olefins. 378531
Solitons, envelope solitons in collisonless plasmas. (IPPJ – 298) 377437
Thermoelectret properties of BeO. (INIS-mf – 4127) 364077
Wear of materials for turbine and cladding in the HTGR and GCFR. 351677
Watanabe, Shigeru
Apparatus for mounting a neutron measurement monitor in a reactor. 368097
Watanabe, Shinichi
Automatic Lig-N_2 supplier for vacuum trap. (INS-TH – 115) 379991
New charge sensitive preamplifier with a fast timing signal output. (INS-TS – 14) 355597
Watanabe, Shoichi
Method of measuring the degree of burnup of reactor fuel. 368046
Method of measuring the reactivity of reactor fuel. 368047
Reactor control rod. 368079
Watanabe, Shuntaro
High-efficiency high-power lasers. 366652
Watanabe, Sigeru
Dissociative excitation of water molecule by electron impacts, 1. 353242, 353243
Watanabe, Susumu
Some hematological disorders among atomic bomb survivors. Presidential Address. 370390
Watanabe, T.
Accurate electronic energies of He^{**}_2. 363935
Determining equal probability steps for Monte Carlo elastic angular data. 359349
Lattice strain in the TiB_2 related to initial-stage sintering of TiB_2 powder and TiB_2 – Ni mixed powder under high pressure. 362364
Radio-frequency plugging of mirror and point cusp ends. (INIS-mf – 3963) 372084
Theory for stationary nonlinear wave propagation in complex magnetic geometry. (IPPJ – 300) 377565
Theory of two-fluid equilibrium of an axially symmetric plasma. (IPPJ – 282) 366653
Uranium enrichment by centrifugation in Japan. 367855
Watanabe, Tadashi
A case of double cancer of the liver (hepatoma and cholangioma) caused by accumulation of thorotrast. 349788
Watanabe, Takao
Control equipment for emergency cooling system. 368241
Method of controlling the secondary coolant in FBR. 379584
Power control device of reactor. 368072
Watanabe, Takashi
Accuracy analysis in HTR nuclear design. 374231
DELIGHT-B/REDEL, point reactivity burnup code for high-temperature gas-cooled reactor cells. (JAERI-M – 6973) 350450
Measurements of stratospheric aerosols by the solar occultation method. 349684
XUV spectrum observation of earth corona. 377636
Watanabe, Tohru
ENDOR of the Fsub(A)(Li) center in KBr at liquid He temperatures. 353501
Watanabe, Tsuguhiro
Microinstabilities in a plasma slab with steep density gradient. (IPPJ – 294) 368989

Watanabe, Tsutomu
Electron capture process from H by O^{8+}. 358814
Watanabe, Tsuyoshi
Epidemiological inference on induction of aplastic anemia following radiotherapy. 360285
Watanabe, Y.
Calculation of emission cross-sections on the dissociative excitation of H_2O by electron-impact. 368633
Measurements of the total cross-section difference and the parameter Csub(LL) in pp scattering with longitudinally polarized beam and target. 356485
On the energy loss of fast electrons in thin absorbers. 377848
Suggestion for a dibaryon resonance in the pp system. 356426
Temperature dependence of initial polymerization rate in radiation-induced polymerization of polyfunctional glass-forming monomers. 378521
Watanabe, Yoiti
Dissociative excitation of water molecule by electron impacts, 1. 353242, 353243
Watanabe, Yoshihisa
Monte Carlo calculations of transmission of electrons through thin foils. 349099
Watanabe, Yoshio
Fundamental considerations on plasma sprayed ceramic coating, (1). 360015
Watanabe, Yukio
Effect of abdominal irradiation in intestinal sugar transport. 379017
Method and apparatus for condensing radioactive rare gases by means of use of ejector and selective adsorption and desorption process including cycles. 350393
Watanabe, Z.
On the f' spectrum of high-energy gamma-ray families. 374869
Watando, Kosaku
Control rod drive. 350191
Watarai, Tetsuo
Support of nuclear fusion apparatus. 366654
Watari, K.
Molecular subclusters theory. 363934
Watari, T.
Radio-frequency plugging of mirror and point cusp ends. (INIS-mf – 3963) 372084
Watari, Tsutomu
Normal distribution of ^{111}In chloride on scintigram. 349869
Watari, Yoshio
Method of controlling power-up in a reactor. 368055
Pressure tube type reactor. 350192, 350248
Watel, G.
Velocity dependence of the Penning and associative ionization cross sections of H atoms by He(2^3S) and He(2^1S) atoms. 353238
Watelet, R.P.
Vapor cycle energy system for implantable circulatory assist devices. Final summary May – Oct 1976. (PB – 268221) 365666
Waterbury, G.R.
Analytical methods for fissionable material determinations in the nuclear fuel cycle. Progress report, October 1, 1976 – September 30, 1977. (LA – 7013-PR) 378183
Environmental and radiological safety studies. Interaction of $^{238}PuO_2$ heat sources with terrestrial and aquatic environments. Progress report, July 1 – September 30, 1977. (LA – 7033-PR) 373877
Quality assurance programme for surveillance of fast reactor mixed oxide fuel analytical chemistry. 376594
Waterlow, J.C.
Total protein synthesis in elderly people; a comparison of results with [^{15}N]glycine and [^{14}C]leucine. 360370
Waterman, F.M.
Comparison of two independent methods for determining the neutron/gamma sensitivity of a dosemeter. 350340
Waterman, M.
E.s.r. radiation studies of erythrocyte membrane-haemoglobin interaction. 351995
Waterman, M.S.
Gamma prior distribution selection for Bayesian analysis of failure rate and reliability. (LA – 6879-MS) 353017
Statistical analysis and planning of multihundred-watt impact tests. (LA – 6886-MS) 373944
Waters, J.W.
Σ^- production and decay properties in $K^-p \rightarrow \Sigma^-\pi^+$. 377807
Inclusive V^0 and γ production in pd interactions at 18 GeV/c. 351214
Waters, R.
Pyrimidine dimer excision in human cells and skin cancer. (CONF-770365 – 1) 362634
Waters, S.L.
A simple technique for the absolute assay of ^{197}Hg labelled samples. (INIS-mf – 4010) 370691
Watkin, D.C.
β-scintillation monitor for krypton-85 at high pressures. 363577
Watkins, B.
Inspection of LWR pressure vessels to ASME requirements. 379645
Watkins, B.J.
Computer model of the polar F-region ionosphere. 365341
Watkins, G.D.
Lattice defects in II-VI compounds. 370241
Watkins, I.L.
Precise energy determination for three peak cross-sections in ^{23}Na and ^{27}Al and for the 250 keV resonance in ^{6}Li. (INIS-mf – 3897) 354216
Total cross-section measurements on Fe, Ni and Ti from 10 keV to 1 MeV. (INIS-mf – 3897) 354215
Watkins, M.
Improvement of sulfide stress cracking resistance of 12% chromium stainless steels through heat treatment. 362299
Watkins, M.L.
Impurity control by means of a cool plasma blanket. (INIS-mf – 3963) 371863
Watkins, P.M.
Energy-dependent cross sections for K^- neutron interactions in the CM energy range 1750-2200 MeV from five K^- deuterium bubble chamber experiments. 356500
Watkins, R.A.
Safety Analysis Report for Packaging (SARP): USA/9507/BLF (ERDA – AL), Model AL-M1. (MLM – 2447) 379473
Watkins, S.M.
Lymphocyte transformation in cancer patients: variation in results according to technique. 379097
Watkinson, A.
Observations of 15 southern extragalactic sources with the Fleurs synthesis telescope. 356203
Watrous, R.M.
Recovery and purification of uranium-234 from aged plutonium-238. (MLM – 2490) 378128
Watson-Yang, T.J.
Electronic structure and reentrant magnetism in superconducting $ErRh_4B_4$. 367254
Magnetic field induced conduction electron polarization, magnetization density, and neutron magnetic form factor of Pt metal. 366484
Re-entrant magnetism in rare-earth superconducting ternary compounds. (CONF-770820 – 2) 373188
Watson, A.A.
A study of the arrival direction distribution of high-energy particles as observed from the Northern Hemisphere. 369068
Watson, C.D.
Techniques for shearing and dissolving LMFBR fuels. (IAEA-AG – 63-1) 363497
Watson, C.J.H.
Ballooning instabilities in toroidally linked mirror systems. 348922
Watson, C.R.
Inhaled plutonium nitrate in dogs. (BNWL – 2100(Pt.1)) 360311
Watson, D.
Risks from occupational radiation exposures in Ontario Hydro nuclear stations. 360485
Watson, D.C.
Differential equation for Alfven ion cyclotron waves in finite-length plasma. (UCID – 17577) 364264
Parametric excitation of kinetic waves: Ion-Bernstein waves by a lower hybrid pump wave. 350968
Watson, E.C.
Population dose commitments due to radioactive releases from nuclear power plant sites in 1975. (PNL – 2439) 379089
Watson, E.E.
Pregnant woman mode for absorbed fraction calculations. 360532
Watson, F.V.
Two-group diffusion calculation through pseudo-continuous synthesis. 355256
Watson, J.
Simplification of spectra by electro-optic gating of the radiant emission from laser-produced plasmas. 364265
Watson, J.A.
Measurements of the elastic scattering of ^{6}Li from ^{28}Si at 135 MeV in the rainbow scattering region. (RLO/1388 – 362) 372735
Medical modification of human acute radiation injury. 354824
Watson, J.E. Jr.
Electret charger for pocket ion chamber dosimeters. 366013
Watson, J.H.P.
Magnetic separation at high magnetic fields. 360652
Watson, J.M.
Measurement of the angular correlation parameters in the BETA decay of polarized Λ hyperons. (COO – 1545-215) 364585
Watson, J.S.
Cryosorption pumping of deuterium by MS-5A at temperatures above 4.2 K for fusion reactor applications. (CONF-771110 – 8) 371845
Cryosorption vacuum pumping under fusion reactor conditions. (CONF-770908 – 4) 359039, 369005
Watson, J.W.
The four-body reaction ^{6}Li(p,pα)np as a probe of the cluster structure of ^{6}Listar. 351335
Transition between light- and heavy-ion elastic scattering. 351342
Watson, L.M.
X-ray photoelectron studies of scandium and its hydride and oxide. 355983
Watson, M.G.
The binary X-ray pulsar 3U 1538 – 52. 359074
Evidence for a 17d periodicity from Cyg X-3. (CONF-7510169 –) 364340
The 39-d period in Cyg X-1. 359181
Watson, P.
A survey of radiation doses to patients in mammography. 352336
Watson, P.G.
Deformation processes in refractory metals. (ORO – 3262-54) 362373
Watson, P.J.S.
Muon catalysis of hot fusion. 350866
Watson, R.E.
Polarization of electrons emitted from ferromagnets. (BNL – 23135) 362477

5s-electron excitation energies in the rare-earth metals. 359936
Watson, S.B.
Dose-conversion factors for some fission products. (ORNL – 5171) 367594
Maximum permissible concentration (MPC) values for spontaneously fissioning radionuclides. (ORNL – 5171) 367566
Watson, W.D.
Progress in interstellar molecule formation. 356340
Watt, A.
Shell-model calculations in the sd shell. 364788
Watt, F.
The lifetime of the 3907 keV state of ^{19}F. 353226
Measurements of the radiative widths of the first T = 1, 2$^+$ state of ^{20}Ne and their relationship to analog β-decays. 354182
A study of the (tau, α) reaction on ^{50}Cr. 378079
Watt, J.S.
Determination of ash content of coal by mass absorption coefficient measurements at two X-ray energies. 376271
Nuclear techniques for on-line measurement in the control of mineral processing. 376746
Wattenberg, A.
Annual progress report. (COO – 1195-408) 351134
Watterberg, J.P.
Digital SLIFER Recorder, Model A. (SAND – 77-0930) 379967
Watterson, J.I.W.
Instrumental neutron activation analysis and the characterization of granitic rocks. 375386
Instrumental neutron activation analysis and the classification of granites from the Bushveld igneous complex. 354686
Watterson, R.L.
Coherent scattering of CO_2 light from ion-acoustic waves. 364237
Interference with, and excitation of ion-acoustic waves by laser light. 364238
Watts-Tobin, R.J.
Transverse thermal conductivity of a dirty superconductor in the mixled state. 353729
Watts, H.L.
Design features of the ELMO Bumpy Torus Reactor (EBTR). (CONF-771109 – 65) 377560
Watts, J.R.
Assessment of potential radiation dose from an acute tritium release into a forest ecosystem. (DP – 1455) 367391
Environmental tritium transport from atmospheric release of molecular tritium. 360408
Watts, M.E.
Fast kinetics of the oxygen effect in irradiated mammalian cells. 378983
Watts, M.R.C.
The production and sustainment of a reverse field pinch. (INIS-mf – 3963) 371769
Watts, R.H.
The visualisation of fissionable radionuclides in rat lung using neutron induced autoradiography. 376153
Watts, T.L.
On-line display aids for the automated measuring of bubble chamber film at Fermilab energies. 352816
Watzel, G.V.P.
Shutdown concepts for LWR nuclear power plants. 370898
Solving safety problems in nuclear power station practice. 376485
Waugh, A.F.
Fast-scan, beam-profile monitor. (UCRL – 79680) 374868
Wawra, E.
Action of some drugs on enzymes involved in DNA-repair and semiconservative DNA-synthesis. (SGAE – 2469) 357564
Investigations on the mechanism of DNA excision repair in tissue culture cells. (SGAE – 2684) 354753
Wawryszczuk, J.
Positronium lifetimes in molecular crystal with impurities. 371606
Waxman, A.D.
Technetium-99m glucoheptonate as a brain-scanning agent. 373693
Way, K.R.
Angular distribution of fine structure changing collisions of excited Na. 353330, 377100
Wayda, A.L.
Nonaqueous reductive lanthanide chemistry. II. Conversion of cis,cis-1,5-cyclooctadiene to cyclooctatetraenyl dianion by reduced praseodymium and potassium. 378260
Wayland, J.R.
Overview of the reactor safety study consequence model. (SAND – 77-0151C) 357824
Wayman, C.M.
Crystallography of the precipitation of β vanadium hydride. 362484
Wayman, C.W.
Behavior and transport of industrially derived plutonium in the Great Miami River, Ohio. 365312
Waymire, G.R.
Design challenges of serving a maturing LWR industry's spent fuel transportation needs. 352411
Waynant, R.W.
Cw and improved pulsed operation of the 14- and 16-μm CO_2 lasers. 367870
Wayte, R.C.
Detection of hyperfine structure of interstellar Na I in the α Cygni sight-line. 374980
Wazewska-Czyzewska, M.
Effect of irradiation on activity of lysosomal acid phosphatase in peripheral blood granulocytes of mice. 367479
Wdowczyk, J.
Propagation of cosmic rays of energy 1-100 GeV in the galaxy. 369081
Spectral shape of cosmic rays over the galaxy. 369080
Wdowiak, T.J.
Magnetic field interpretation for the outburst of CH Cygni. 372297
Wdowszyk, J.
Fluctuations of the muon to electron ratio in extensive air showers. 356222
Weaks, T.E.
Differences between strains of Rhizobium in sensitivity to canavanine. 362797
Weare, J.H.
Method of averaging wavefunction corrections. Inelastic results. 350650
Weart, S.
Secrecy, simultaneous discovery, and the theory of nuclear reactors. 368088
Weart, W.D.
Radioactive waste disposal pilot plant concept for a New Mexico site. 358538
Radioactive-waste isolation pilot plant. (SAND – 77-0701(Vol.3)(No.1)) 363682
Weatherburn, H.
Effective measuring position for cylindrical ionization chambers when used for electron beam dosimetry. 360549
Weatherford, C.A.
Frame-transformation approximation for low-energy e^--$^1\Sigma^+$ systems using the non-iterative integral equation method. 355929
Weatherly, T.L.
Characteristics of the in vitro monocyte-macrophage colony-forming cells detected within mouse thymus and lymph nodes. 370321
Weaver, B.
Bidentate organophosphorus compounds as extractants from acidic waste solutions: a comparative and systematic study. (CONF-770907 – 3) 363651
Weaver, C.E.
Fine-grained sheet silicate rocks. (Y/OWI/SUB – 7009/4) 380073
Weaver, H.
Fission-product energy release for times following thermal-neutron fission of ^{235}U between 2 and 14000 seconds. (ORNL/NUREG – 14) 372738
Precise measurement and analysis of neutron transmission through ^{238}U. 356851
150-m measurement of 0.880- to 100.0-keV neutron transmissions through four samples of ^{238}U. (ORNL/TM – 5915) 369501
Weaver, H.T.
Pressure dependence of crystal field splitting in Pr pnictides and chalcogenides. (SAND – 77-2012C) 373326
Temperature and volume dependence of some magnetic properties of Pr-pnictides. 348861
Weaver, J.H.
Electronic structure of the thorium hydrides ThH_2 and Th_4H_{15}. 360035
The influence of hydrogen on the bulk band structure of Nb and Ta: an optical study of NbHsub(0.453) and TaHsub(0.257). 354575
Optical interband structure and the low energy plasmon in ScH_2. 368903
Weaver, K.
Measurement of photon dose fraction in a neutron radiotherapy beam. 352353
Weaver, K.R.
Unique characteristics of CANDU nuclear reactors. (AECL – 5800) 360957
Weaver, L.
Independent electron approximation for atomic scattering by heavy particles. 350657
Weaver, R.
Structure of the iron fluorescence line in x-ray binaries. 351021
Weaver, T.A.
Presupernova evolution of massive stars. (UCRL – 80460) 377663
Weaver, W.L. III
Simulation of transients in liquid-metal fast breeder reactor systems. 373781
Webb, A.P.
Damage of graphite surfaces resulting from ion bombardment, studied by means of electron microscopy. Raman- and x-ray photoelectron spectroscopy. 370233
Depth dependence of radiation damage in graphite irradiated with 1 to 4 MeV-^4He ions. 377550
Effect of radiation damage on the erosion of graphite by atomic hydrogen. 370234
Surface morphology changes of graphite irradiated with energetic helium ions. 365247
Webb, A.W.
Compressibilities and volume dependence of Tsub(c) for eleven Chevrel phase superconductors. 375908
Webb, D.
Hydromagnetic wave observations at large longitudinal separations. 360215
Webb, D.C.
Comparison of ULF and VLF measurements of magnetospheric cold plasma densities. 370313
Webb, D.F.
Do surges heat the corona. 356313
Soft X-ray observations of large-scale coronal active region brightenings. 366746
Webb, F.T.G.
Effect of dibutyryl cyclic AMP and oestradiol on incorporation of [^3H] leucine into the proteins of luminal fluid of the rat uterus. 360357

Webb, G.
Collective dose commitments from nuclear power programmes. 367822
Modelling studies used to evaluate waste disposal options. 376766
Options for the disposal of high-level radioactive waste. 368404
Webb, G.A.M.
Derived radiological protection standards. 365627
Insignificant levels of dose: a practical suggestion for decision making. (NRPB-R – 62) 352337
Webb, G.W.
Effect of composition on T/sub c/ in some high T/sub c/ A-15 structure superconductors. 362478
Webb, H.E.
The effect of irradiation on demyelination induced by a virulent Semliki Forest virus. 367486
Webb, M.P.
$^{12}C + {}^{18}O \rightarrow {}^{8}Be + {}^{22}Ne$ reaction. (RLO/1388 – 362) 372707
Elastic scattering of ^{16}O by ^{14}C. (RLO/1388 – 362) 372705
Energy dependence of energy loss in the interactions of ^{86}Kr with ^{139}La. (RLO/1388 – 362) 372741
Webb, R.A.
Ferromagneticlike resonance behavior in superfluid ^{3}He-B. 366815
New technique for improved low-temperature SQUID NMR measurements. 367928
Webb, R.E.
Equilibrium dissociation pressures of lithium hydride and lithium deuteride. (Y – 2095) 372998
Webb, W.E. Jr.
Feasibility of transporting nuclear fuel by air. 379474
Webber, C.E.
Lung density: clinical method for quantitation of pulmonary congestion and edema. 357687
Webber, M.M.
Radionuclide patterns of femoral head disease. 373632
Webber, P.R.
Diffusion of single adatoms of platinum, iridium and gold on platinum surfaces. 378593
Webber, W.R.
Cosmic ray investigation for the Voyager missions; energetic particle studies in the outer heliosphere – and beyond. 374970
Observations of galactic cosmic ray energy spectra between 1 and 9 AU. (N – 77-19986) 361716
Observations of galactic cosmic-ray energy spectra between 1 and 9 AU. 359129
Solar particle propagation from 1 to 5 AU. 366783
Webbink, R.F.
Evolution of low-mass close binary systems. V. Transport processes in the envelopes of contact components. 359183
Weber, A.
Use of magnetic tape services in the field of scientific and technical information. (ZfI-Mitt – 7) 374489
Weber, C.W.
Corrosive environment tester for filter media. (K – 1891) 363051
Weber, D.A.
Model for local accumulation of bone imaging radiopharmaceuticals. 373664
Weber, D.P.
Multi-field hydrodynamic disassembly calculations with space – time kinetics: FX2/VENUS-III. (CONF-761001 – P3) 365622
Weber, E.
Electron paramagnetic resonance of point defects in deformed silicon. 370242
Hydraulic studies of the lower plenum of a pressure water reactor vessel. (NUREG-tr – 0009) 365899
Weber, E.J.
12-hour case study of auroral phenomena in the midnight sector: Electrojet and precipitating particle characteristics. 360216
Weber, E.T.
In-reactor behavior of materials used to control fuel-cladding chemical interaction. (HEDL-SA – 1268) 368242
Weber, E.W.
Collisional relaxation of ionic $^{2}Psub(3/2)$ excited states in rare gases. 374602
Optical pumping of ions. 353381
Weber, F.
Automated generation of spectrum-compatible artificial time histories. 373837
Synthesis of the mineralogic and petrographic studies of the ore minerals from Oklo, their gangues and the surrounding rocks. (ORNL-tr – 4337) 349660
Weber, G.
A simple method allowing the checking of the homogeneity of an accelerated charged particle beam. 374096
Weber, G.W.
Processing and composition control of weak-acid-resin-derived fuel microspheres. 365214
Weber, H.
Internal loss modulation of Nd-YAG-laser. 350878
Weber, H.G.
Studies of the atom-dimer polarization transfer. Pt. 2. 374646
Weber, H.J.
Backward proton production and high-momentum components of nuclei. 359446
Weber, H.W.
Search for magnetic order in selected pseudobinary systems down to millikelvin temperatures. 371604
Weber, J.
Calculation of caesium and strontium release from the AVR reactor and comparison with the VAMPYR measurements for the operating period from 1968 to 1975. 370995
Lunar surface gravimeter experiment. Final report. (N – 77 – 18981) 351016
Time delay of phonon pulses in thin helium films. 366816
Weber, K.H.
Impact-parameter dependence of proton-induced K-shell ionization of carbon and aluminum. 358852
Weber, M.
Annual report 1976. (INIS-mf – 4073) 359543
HTGR steam generator development. 379702
Weber, M.J.
Investigations of coordination in rare-earth-doped glasses by means of laser-induced fluorescence line-narrowing spectroscopy. 362512
Magnetic, optical, and magneto-optical behavior of $LiTbF_4$ and KTb_3F_{10} crystals. (UCRL – 79725) 373346
Multiphonon relaxation of rare-earth ions in beryllium-fluoride glass. 365225
Optical materials for neodymium fusion lasers. 373311
Weber, P.
Bound state spectrum of the Gross-Neveu model on the lattice. 377747
Dry cooling towers – the Schmehausen example. 365818
Weber, R.
Inelastic neutron scattering study of the quasi-1d Heisenberg antiferromagnet $CsMnBr_3$. 361427
Nuclear energy: where it stands. 355666
Nuclear power plant. (German (F.R.) patent document 2528825/A/) 355340
Weber, R.R.
Interplanetary baseline observations of type III solar radio bursts. 366775
Interplanetary baseline observations of type 3 solar radio bursts. (N – 77-25043) 364425
Weber, T.A.
Time-dependent scattering of wave packets in one dimension. 358658
Weber, W.
Channeling in V_3Si: Atomic displacements and electron-phonon/defect interactions. 365246
Design and operating mode of the SAAS pilot plant for bituminization of radioactive wastes. (SAAS – 220) 366078
The dynamics of coronal magnetic structures. (INIS-mf – 4222) 377664
Fast-mode shocks as triggers of microturbulence in the solar corona, ch. 6. (INIS-mf – 4222) 377666
Numerical simulations of the formation of coronal streamers, ch. 4. (INIS-mf – 4222) 377665
Weber, W.J.
Computations on the interaction of an interplanetary shock with the Earth's magnetosphere. 367435
Webster, A.
The cosmic background radiation. 374981
The statistical analysis of anisotropies. 366776
Webster, B.
Calculation of polarisabilities and Compton profiles for solvated electrons. 365011
Webster, B.H.
Radwaste system operating experience: Brunswick Steam Electric Plant. 357825
Webster, B.L.
Interstellar abundances in external galaxies. 356341
Spectroscopic observations of the X-ray nova A0620-00. 349036
Webster, J.M.
Genetics of simple and complex host-parasite interactions. 373732
Webster, M.S.
Σ^- production and decay properties in $K^-p \rightarrow \Sigma^-\pi^+$. 377807
Inclusive V^0 and γ production in pd interactions at 18 GeV/c. 351214
Weddigen, Ch.
A complete experiment for p-p scattering at medium energies. 372584
Measurement of the parameters P, D, R and A for small angle p-p scattering at 390 MeV. 377785
Wedekind, G.L.
Experimental and theoretical investigation into thermally governed transient flow surges in two-phase condensing flow. 370716
Wedell, R.
The energy-angle distribution of heavy particles penetrating solids. 371646
Enhancements of Xe(M)-radiation during bombardment of copper crystals with Xe-ions in low indicated directions. (INIS-mf – 3996) 364055
Theory of radiation of relativistic channelled particles. 371635
Total energy loss distributions of low energy heavy particles after penetration through matter. 371592
Wedemeyer, H.
Advances in carbide fuel element development for application to fast reactors. 367327
Wedemeyer, R.
Measured angular distributions of proton compton scattering at photon laboratory energies of 700, 750 and 800 MeV. (BONN-HE – 77-17) 364583
Weed, H.C.
Distribution of radioactivity between rock materials and water at Nevada test site. 370269
Weed, R.A.
Stress analysis of cylindrical pressure vessels with closely spaced nozzles by the finite-element method. Volume 1. Stress analysis of vessels with two closely spaced nozzles under internal pressure. (ORNL/NUREG – 18/V1) 370896

Weeks, J.L.
Nuclear power and biologic effects. 360484
Weeks, J.R.
Alternating current techniques for corrosion monitoring in water reactor systems. (BNL – 22983) 358220
Anticipated corrosion in the Vermont Yankee spent fuel pool. (BNL-NUREG – 22866) 365870
Weeks, R.A.
Determination of the Fe^{2+} and Fe^{3+} concentration in MgO. 351446
Weeks, R.W.
Structural analysis of reactor fuel elements. (CONF-770807 – 42) 365831
Weerd-Kastelein, E.A. de
Induction of sister chromatid exchanges in xeroderma pigmentosum cells after exposure to ultraviolet light. 354754
Weeren, H.O.
Waste disposal by shale fracturing at ORNL. 355653
Weeren, J.H.P. van
A KKRZ calculation on indium. 355987
Weertman, J.
Creep rate enhancement theory for irradiated substitutional solid solution alloys. 357432
Theory of enhanced high temperature cyclic creep in polycrystalline material. 357398
Weerts, H.
Total cross sections for charged-current neutrino and antineutrino interactions in BEBC in the energy range 20-200 GeV. 353945
Wegener, D.
Comparison of inelastic electron and positron scattering cross sections on ^{12}C and ^{27}Al. (DESY – 77/40) 364781
Observation of jet structure in high psub(T) events at the ISR and the importance of parton transverse momentum. 353956
Shadowing effect in inelastic electron scattering on ^{12}C and ^{27}Al nuclei at small four momentum transfer. (DESY – 77/55) 364782
Validity of the one-photon exchange approximation in inelastic scattering of electrons and positrons on protons. 366889
Weger, M.
Experimental proof for a quasi-one-dimensional band structure of V_3Si. 364107
Positron annihilation in a single VO_2 crystal. 348768
Weggel, C.
Compact high-field ignition test reactor (HFITR) using bitter magnets. 377375
Wegner, G.
Atmospheric analyses of southern peculiar A Stars. 374922
The gravitational redshift of the white dwarf CoD – 38° 10980. 374982
Photometric observations of the supernovae in NGC 7723, NGC 1325 and NGC 4402. 359184
Wegner, H.
Observation of channeling of negative pions of 4GeV/c momentum. 355934
Wegner, H.E.
Isotope and element distributions of the evaporation residues from fusion of 160 MeV ^{32}S with $^{24,25,26}Mg$ and ^{27}Al. 364818
North-American MP Tandem accelerators. (BNL – 22874) 363365
Summary of the second international conference on electrostatic accelerator technology. (BNL – 22896) 367985
Wegrowe, J.-G.
Recent results in the lower-hybrid heating of the Wega device. (INIS-mf – 3963) 372085
Wehinger, P.A.
Seyfert galaxies with large z: an electronographic survey. 356342
Wehmann, A.A.
Direct measurement of the π^- form factor. 372514
Wehmann, G.
Characterize TRU waste inventories and relate characterization to proposed criteria. (SAND – 77-1178) 374460
Wehmann, U.
Core design of sodium-cooled fast breeders (SNR) with regard to strategic design targets. 370803
Safety aspects in nuclear core design of LMFBRs. (CONF-761001 – P2) 363039
Wehner, A.P.
Absorption of ingested talc by hamsters. 360359
Leaching of radionuclides from neutron-activated talc in serum and in dilute hydrochloric acid. 376144
Wehner, G.K.
Composition and isotope variations in sputtering as a function of the ejection angle. 368904
Wehner, P.S.
Thermally induced breakdown of the direct-transition model in copper. 351820
Wehr, G.
The low-temperature thermopower of Frenkel defects in aluminium. 365245
Tunnel spectroscopy on neutron irradiated Pb. 357410
Wehr, J.
Civil engineering construction in conventional thermal power stations and nuclear power stations. 365851
Wehring, B.W.
Gamma-ray pulse-height response of an NE-213 scintillation detector. 371107
HIAWATHA, a fission-fragment recoil mass spectrometer. 371090
NE-213 neutron spectrometry system for measurements from 1.0 to 20 MeV. 355536
Wei, B.C.
Considerations for weldment design for elevated temperature applications. (IWGFR – 11) 355238
Wei, C.
Novel Faraday cup for the simultaneous observation and measurement of ion-beam currents. 367986
Wei, C.Y.
Direct observation of the vacancy structure of a (220) platelet in an ion-irradiated platinum – 4.0 at. % gold alloy. (COO – 3158-56) 373390
Novel Faraday cup for the simultaneous observation and measurement of ion-beam currents. (COO – 3158-55) 377144
Wei, G.C
Assessment of fibrous insulation materials for the selenide isotope generator system. (ORNL/TM – 5908) 379399
Wei, G.C.
Safety status of HTGR structural ceramics. (ORNL/TM – 5680) 373878
Wei, P.S.P.
Spectroscopic study on the evaporation of aluminum as irradiated by a long-pulse Nd laser. 359040
Weibezahn, K.F.
Dosimetry of negative π-mesons. 357881
Negative pion irradiation of mammalian cells. 376070
Weibrecht, R.
Experimental investigation at the tandem accelerator EGP-10-1 of the Central Institute of Nuclear Research, Rossendorf. 357937
Weichselbaum, R.R.
Characterization and radiobiologic parameters of medulloblastoma in vitro. 373494
Deficient recovery from potentially lethal radiation damage in ataxia telangiectasia and xeroderma pigmentosum. 370326
Weicht, U.
Safety analysis of the THTR-300-MW(e) prototype reactor and future HTRs under extreme accident conditions. 370968
Weid, J.P. von der
The antiferroelectric phase in KCN. (PUC-TN – 23/76) 350777
Electron-spin resonance studies of phase transitions in KCN. (PUC-TN – 14/76) 350787
Optical properties of F centers in KCN crystal. 354630
Study of proton implantation in alkaline earth metal compounds. (INIS-mf – 3236) 356072
Weidemann, V.
On the distance scale of planetary nebulae and white dwarf birth rates. 374983
Weidemann, W.
PRESTO – a computer code system for calculating shields of cylindrical and spherical gamma sources. 372574
Weidenmueller, H.A.
Consequences of isospin mixing for compound nucleus reactions. (IKDA – 77/12) 364691
Direct reactions, unitarity, and Hauser-Feshbach theory. 354126
Simple configurations in the continuum. 354127
Transport theory of deeply inelastic heavy-ion collisions based on a random-matrix model. I. Derivation of the transport equation. 366920
Weidenschilling, S.J.
The distribution of mass in the planetary system and solar nebulae. 366777
Weidersich, H.
Low energy p-Be nuclear reactions for depth-profiling Be in alloys. (CONF-770642 – 10) 375335
Weidinger, H.G.
KWU fuel cladding technology and quality assurance. 376432
Weidmann, U.
A new upper limit for the decay $\mu^+ \rightarrow e^+\gamma$. 369383
Weigel, C.
Extended-Hueckel-theory calculation of hyperfine interactions of the positive divacancy in silicon. 370127
The status of defect studies in silicon. 370145
Weigel, F.
Americium monosilicide and 'disilicide'. 367141
The lattice constants of actinium (III) oxalate decahydrate. 354603
Radium. 375669
Weigel, H.
Computer assisted multielement analysis of terrestrial and extraterrestrial materials and studies on long-lived cosmogenic ^{53}Mn by neutron activation. 378095
Weigel, M.K.
Excitations and electromagnetic transitions in the renormalized random-phase approximation. 351310
Moments and electromagnetic transitions for even-odd nuclei in the Pb region. 351309
Off-shell T-matrix elements for singular nucleon-nucleon interactions. 353916
Weigel, R.
Angular distributions of neutron polarization from the $^{14}C(p,n)^{14}N$ and $^{11}B(\alpha,n)^{14}N$ reactions and R-matrix analysis of ^{15}N in the excitation-energy range between 11.5 and 12.5 MeV. 356846
Weigert, H.D.
Effects of daunomycin and radiation on cell-survival and repair of DNA single-strand breaks. 349691
Weigert, L.J.
A new boson expansion for the solution of the n-fermion problem with an application to ^4He. 354067
Weigle, D.J.
Nuclear power security problems and solutions. 352308
Weigold, E.
(e,2e) collisions. (FIAS-R – 27) 361402
Determination of electronic momentum distributions and atomic and molecular structure using the (e,2e) reaction. 371540
Electron coincidence spectroscopy. (FIAS-R – 23) 355901
Electron ionization spectroscopy of acetylene: momentum

distributions of the valence orbitals. 353224
Electron ionization spectroscopy of ethylene: orbital assignement of correlated states. 353225
Factorized distorted wave approximation for the (e,2e) reaction on atoms: coplanar symmetric. 353383
Ionisation of atomic hydrogen: angular correlations of the outgoing electrons. 361403
The noncoplanar symmetric (e,2e) reaction on atoms. 353382
Weihrauch, J.
New concepts of control centre design and development. (KFK-PDV – 106) 368338
Weijden, C.H. van der
Sorption of cobalt and zinc from fresh water and seawater. (ECN – 23) 351954
Weik, F.
Backbending behaviour of rotational bands in ^{163} ^{165} ^{167}Yb. 362094
Backbending behaviour of rotational bands in ^{163}Yb, ^{165}Yb and ^{167}Yb. (ZfK – 336) 364820
In-beam-spectroscopy of subnanosecond delayed conversion electrons with a new recoil shadow technique. (ZfK – 336) 364738
Positron production in superheavy ion-atom collision systems. 376966
A search for positron emission from atomic collision processes. (ZfK – 336) 364737
Weil
Elastic and inelastic scattering of neutrons by isotopes of molybdenum and zirconium. (BNL-NCS – 22500) 356833
Sample size corrections and comparisons of (n,n') cross sections from n and γ-ray detection. (BNL-NCS – 22500) 356773
Weil, R.
The reaction antiproton-proton →3πsup(-)πsup(+) between 1.09 and 1.44 GeV/c and the effect of ππ phase shifts. 369372
Weiland, J.
The growth of modulational instability for randomized initial conditions. 366655
Wave energy in a beam plasma system. 366578
Weiler, E.J.
Emission line variations in RS Canum Venaticorum-type binaries. 374984
Weiler, T.J.
Phenomenological investigation of deep inelastic neutrino scattering. 372493
Weimar, P.
Advances in carbide fuel element development for application to fast reactors. 367327
Weimer, W.C.
Determination of inositol phosphate ester in lake sediments. 351459
Geochemical ocean sections study (GEOCECS). Chemistry of ocean solutions. (BNWL – 2100(Pt.2)) 362137
Weinberg, A.M.
Do nuclear engineering educators have a special responsibility. 352623, 357826
Economic and environmental implications of a U.S. nuclear moratorium, 1985 – 2010. (ORAU/IEA – 76-4) 352305
Nuclear energy at the turning point. 366233
Outline for an acceptable nuclear future. (ORAU/IEA(O) – 77-17) 363040
Weinberg, D.
Reactor technology. (KFK – 1277/2) 371061
Weinberg, L.
Vibration tests of a full scale water model of a Clinch River steam generator module. (TID – 27821) 374244
Weinberg, S.
Cosmological lower bound on heavy-neutrino masses. 351178
Decay μ → eγ in models with neutral heavy leptons. 372363
The first three minutes. A modern view of the origin of the universe. 351097
Unified theories of elementary particle interactions. 372494
Weinberger, D.
Solar limb darkening in the interval 7404-24 018 A. II. 349022
Weinberger, P.
Characterization of energy bands in terms of relativistic local solid state models applications to VC, NbC and UC. 364147
Weiner, R.
Changes of symmetries in neutrino reactions. 353958
Weiner, R.A.
Stress effect on the void swelling incubation period. 357433
Void swelling and irradiation creep relationships. 360062
Weiner, R.M.
Energy distribution of secondaries in proton-nucleus collisions at very high energies. 354235
Possible evidence for coherence of hadronic fields from Bose-Einstein correlation experiments. 353805
Weinert, A.
In situ testing of large aerosol filters – Operating experience and extension of the application of the test method to include simulated LWR nuclear accident conditions. 360527
Weinert, M.
Measurements of energy spectra and doses in liquid air of neutrons from a californium-252 source. 372556
Weingart, R.C.
Electric gun: a versatile tool for studying explosive initiation. (UCRL – 52000-76-8) 357928
Weingarten, D.H.
Theoretical particle physics. Progress report, December 1, 1976 – November 30, 1977. (COO – 2009-133) 364506
Weingartshofer, A.
Direct observation of multiphoton processes in laser-induced free-free transitions. 350692
Weininger, J.
Improvement of the shelf-life of kit preparations for labelling with Tc-99m by lyophilization. (IA – 1338) 375666
Weinkoetz, G.
Indication of a coolant blockage in a fuel element of a sodium-cooled reactor by temperature fluctuation measurements with steel – sodium thermocouples. (CONF-761001 – P2) 362965
Weinlaender, W.
Optimization of the low-temperature rectification technique for Kr 85 separation from the waste gas of reprocessing plants. 369827
Separation of krypton and xenon from the offgas of nuclear facilities. (KFK – 2435) 357914
Weinlich, K.
Energy characteristic quantities. 376817
Weinman, L.S.
Superconducting properties of V_3Ga composite wires. 362415
Weinreich, R.
Cyclotron production of medically useful halogen radioisotopes. (INIS-mf – 4010) 357125
Excitation functions for the formation of neutron deficient isotopes of bromine and krypton via high-energy deuteron induced reactions on bromine: production of ^{77}Br, ^{76}Br and ^{79}Kr. 376238
Weins, W.N.
Diffusion and electrotransport of metallic solutes in thorium metal. (IS-M – 103) 362384
Weinschenk, K.
Equipment for fully automatic radiographic pipe inspection. (German (F.R.) patent document 2520065/C/) 365763
Weinstein, H.
Gas core reactors for coal gasification. (CONF-760646 –) 374194
Review of coaxial flow gas core nuclear rocket fluid mechanics. (CONF-760646 –) 374485
Weinstein, I.B.
Detection of carcinogen-DNA adducts by radioimmunoassay. 357703
Weinstein, J.
Forced perturbations of the Reissner-Nordstroem geometry. 355850
Weinstein, M.
Quantum field theories on a lattice: Variational methods for arbitrary coupling strengths and the Ising model in a transverse magnetic field. 371367
Weintraub, D.M.
Comparison of the line-reversed channels p-barp → $\pi^-\pi^+$ and π^+p → pπ^+ at 6 GeV/c. 351232
Weinwurm, P.
Surface temperature measurement with radioactive kryptonates. 379422
Weinzierl, K.
Improvements in energy transforming engineering. 355662
Weinzierl, P.
Investigation of the Nb-Dsub(0.04) system under hydrostatic pressure by neutron scattering. 365138
Weis, J.H.
Double scattering in deuterium as a probe of hadron structure. 351138
Hadron scattering in two-dimensional QCD. I. 364482
Hadron scattering in two-dimensional QCD. II. 364483
Weis, M.
Charge-asymmetry equilibration in the reaction of ^{129} ^{132} ^{136}Xe with ^{197}Au near the interaction barrier. 366989
Weis, R.
Investigation of the high temperature steam oxidation of zircaloy 4 cladding tubes. (KFK – 2435) 357299
Weisbecker, L.W.
Proposed outline of safety analysis report for facilities for geologic isolation of radioactive wastes. (Y/OWI/SUB – 77/22320) 358539
Weisbin, C.R.
Compilation of multigroup cross-section covariance matrices for several important reactor materials. (ORNL – 5318) 379548
SENDIN and SENTINEL: two computer codes to assess the effects of nuclear data changes. (ORNL/TM – 5946) 352442
Sensitivity analysis of TRX-2 lattice parameters with emphasis on epithermal ^{238}U capture. Final report. (EPRI-NP – 346) 360781
Uncertainties in calculated heating and radiation damage in the toroidal field coil of a tokamak experimental power reactor due to neutron cross-section errors. 361486
Weise, H.-P.
Application of X-ray spectroscopy in nondestructive photon activation analysis. 369580
Weise, H.J.
Studies on a fibre insulation in the pressure suppression test stand. (Juel – 1405) 365920
Weise, H.P.
Measurement of spectra and angular distributions of scattered X-radiation and their significance for radiographic inspection methods. 358031
Quantitative evaluation of interference reactions in photon activation analysis. 372925
Weise, J.
The chromium photoneutron cross section. 356920
Production of H-atom and O-atom beams by a cooled microwave discharge source. 350602
Weise, W.
Medium energy meson physics. 356470
Pion-nucleus interactions. (LYCEN – 7702(pt.1)) 359447
Pionic disintegration of the deuteron. 354050
Pseudoscalar and pseudovector coupling of a pion to a bound Dirac nucleon. 377895

Spin-orbit coupling in a relativistic Hartree-Fock model for finite nuclei. 364654
Sum rules in photonuclear physics. 349128
Weiser, O.
Analytic functions for the temperature depending on the thermovoltage due to calibration tables. (SGAE - 2389) 368491
Weisman, J.
Evaluation of pressure drop across area changes during blowdown. Quarterly progress report for period ending June 30, 1976. (PB - 260527) 363041
Experimental data on two-phase pressure drops across area changes during flow transients. Final report. Volume 1. (NUREG - 0306(Vol.1)) 352302, 352303
Optimal in-core fuel management for boiling water reactors. 352633
Weismann, H.
Correlations between the transition temperature of Nb_3Ge and the normal-state resistivity. 362428
Weisrose, S.
Alpha transfer reaction between oxygen isotopes. (WIS-PH - 77/42) 364786
Alpha-transfer reactions between oxygen isotopes. 372769
Attempt to measure the relative phase of the (1dsub(5/2))^2 and the (2ssub(1/2))^2 amplitudes in the ground state of ^{18}O. (WIS-PH - 77/27) 364787
Weiss, A.
CAS medium-size nuclear plants. 371072
Weiss, A.J.
Szilard-Chalmers reactions of bridged derivatives of titanocene dichloride, zirconocene dichloride and hafnocene dichloride. 359733
Weiss, A.K.
Use of indicating material for direct indication of neutrons distributed photographically. (German (F.R.) patent document 2343786/C/) 368331
Weiss, B.L.
Small momentum transfer measurements of S(k) in ^4He at T=4.27 K as a function of density. 372347
Weiss, D.L.
Elastic scattering of one fermion from a finite collection of fermions in a second quantized form. 361862
Weiss, F.P.
Noise analysis system for early detection of malfunctions in pressurized water reactor nuclear power plants. 350168
Weiss, G.
Experimental investigation about the mechanism of fission-fragment induced desorption. 363887
Weiss, G.B.
Distribution and binding of ^{147}Pm in smooth muscle. 362757
Weiss, M.
Assessment of the mechanical and thermal stability of Type A and Type B packagings in the GDR. 350004
Weiss, M.S.
Heavy ion scattering in 3D TDHF. (UCRL - 80264) 372687
Weiss, N.O.
On the dynamic interaction between magnetic fields and convection. 374945
Small scale solar magnetic fields: theory. 369230
Weiss, P.
Influence of the primary circuits on the PWR refill phase. 370937
Weiss, W.
Determining the spectroscopic factors of the 1psub(1/2) neutrons in ^{13}C. 378001
Investigation of disorders of the upper abdomen with gallium 67. (INIS-mf - 4010) 370480
Weiss, Z.
Nodal coupling of heterogeneous pin cells. 360783
Some basic properties of the response matrix equations. 374146
Weissbach, L.
Investigations on the renal transit time of ^{131}I-hippuran. (INIS-mf - 4010) 357692
Weisse, E.
External proton beam lines and the splitter systems of the CERN SPS. 363215
Weisse, J.
Experimental evidence of ion heating by transit time magnetic pumping. 353516
Tokamak discharges in Petula with alumina chamber. (INIS-mf - 3963) 371737
Weissenbach, B.
Method for the transmission of energy. (German (F.R.) patent document 2457391/A/) 355366
Weissenburger, D.W.
Pure tension shape of a thick torus. (PPPL - 1353) 361649
Weisser, D.C.
Heavy ion transfer reactions. (ANU-P - 678) 356665
Weisskopf, M.C.
Effect of vacuum birefringence on the polarization of x-ray binaries and pulsars. 351060
OSO-8 X-ray polarimeter and Bragg crystal spectrometer observations. 369174
Search for thermal X-ray line emission from the Crab Nebula. 359110
Stellar crystal x-ray spectroscopy on OSO-8. (CONF-7510169 -) 364352
Time variability of Cygnus X-1. (CONF-7510169 -) 364427
X-ray polarization experiment on the OSO-8. (CONF-7510169 -) 364426
Weissman, Y.
Quantum effects in the density spatial distribution of nondegenerate many-electron systems. (IA - 1338) 364148
Weissmann, R.
The structure of the $L_{2,3}VV$-Auger line of silicon and silicon compounds. 356073
Weissmantel, Ch.
Improved ion beam sputtering technique and its application. 368783
Weisswange, V.
Diagnostic interpretation of xenon-133-exhalation in cases of urogenital tuberculosis. 370512
Weistrop, D.
The luminosity function of late-type main-sequence stars in the direction of the north galactic cap. 369231
Weisz, M.
Some aspects of the CEA investigations on the mechanical behaviour of 316 steels in the medium temperature range. (IWGFR - 11) 355239
Weitkamp, C.
The strongest spectral lines of stable elements with other interfering elements in compiled and plotted version. (GKSS - 77/E/30) 353186
Weitzner, H.
Steady plasma flow with a shock in a mirror. 350969
Welbourn, C.M.
Electron paramagnetic resonance in electron-irradiated type-IIa diamond annealed to high temperatures. 370182
EPR studies or irradiated diamond. 360106
Welch, D.O.
Recovery of T/sub c/ by annealing of irradiated A-15 compounds. (BNL - 22925) 360073
Welch, F.H.
Reaction rate of sodium with ethanol and other alcohols. 361004
Sodium removal technology: the alcohol process. (CONF-760503 - P2) 352715
Welch, J.
Search for strangeness changing neutral currents induced by neutrinos in GARGAMELLE. 361875
Welch, J.D.
Migration of ion-implanted krypton in silicon during anneal. 367346
Welch, L.
Study of neutrino proton elastic scattering in the 'Gargamelle' freon experiment. 377821
Welch, M.J.
Indium-111-labeled cellular blood components: mechanism of labeling and intracellular location in human neutrophils. 373630
Preparation and evaluation of leukocytes labelled with indium-111. 354923
Welch, V.A.
Absorption of ^{14}C-stearic acid and ^3H-palmitic acid from the intestines of a re-entrant cannulated sheep. 352135
Welch, W.J.
Accurate H_2O source positions in W3. 351012
Welcke, U.
Early recognition of potential hyperthyroidism in endemic areas. (INIS-mf - 4010) 370475
Estimation of risk for hyperthyroidism by determination of the mass of autonomous thyroid tissue. (INIS-mf - 4010) 370476
Results of functional hepato-chole-scintigraphy with HIDA. (INIS-mf - 4010) 370513
Weldon, A.
Absolute proton stability in unified models of strong, weak and electromagnetic interactions. 371405
Weldon, W.F.
Circuit and magnetic analysis for a system of Faraday rotator coils driven by a two-spool, four-rotor homopolar generator. (CONF-771029 - 119) 377482
Design, fabrication, and testing of a fast discharge homopolar machine (FDX). (CONF-771029 - 117) 377414
Electromagnetic torques and forces due to misalignment effects and eddy currents in the homopolar generator, power supply for the Texas Experimental Tokamak (TEXT). (CONF-771029 - 118) 377393
FDX: a fast discharge homopolar generator. (ORO - 5594-8) 377567
Homopolar generator development at the University of Texas. (ORO - 5594-7) 377566
Methods for producing the plasma initiation pulse in ohmic heating circuits in tokamak power reactors: resistive dissipation, transient inductive storage, and transient capacitive storage. (CONF-771029 - 120) 377394
System engineering and design of a pulsed homopolar generator power supply for the Texas Experimental Tokamak. (CONF-771029 - 114) 377350
Test data on electrical contacts at high surface velocities and high current densities for homopolar generators. (CONF-771029 - 121) 377361
Welhusen, B.
Determining pressure build-up in THTR-300 plant compartments after primary pipe breaks using the DANZ computer code. 370951
Welker, K.
Neutron therapy in the GDR. 8. 355094
Wellens, H.
Location and size of acute transmural myocardial infarction estimated from ^{201}Tl scintiscans. A clinicopathological study. 352134
Wellens, H.J.J.
Thallium-201 scintigraphy for myocardial imaging with emphasis on its use in the coronary care unit. 354958

Wellenstein, H.F.
The Compton defect: double differential inelastic cross section of keV electrons from helium and molecular hydrogen. 353183
Differential cross sections for 35keV electrons elastically scattered from NH_3. 353297
Recent H.E.E.I.S. results on the Compton defect. 371463
Weller, A.
On sawtooth oscillations and MHD modes in the W VII A stellarator. (INIS-mf – 3963) 371780
Weller, M.
Correlations between magnetic after-effect and internal friction in α-iron after low temperature neutron irradiation. 371585
Wellinger, K.
Investigations of the embrittling tendency of boiler and pressure vessel steels. 351724
Wellman, H.N.
Quantitative evaluation of rheumatoid arthritic activity with /sup 99m/Tc HEDP. 373682
Wellman, W.E.
Disk-space infection. 362784
Wellner, U.
A comparison of methods for the measurement and calculation of total renal clearance. (INIS-mf – 4010) 370453
Wells, D.K.
Method for the winning of the radioisotope $_9F^{18}$ in highly pure form and device to carry out this method. (German (F.R.) patent document 2321552/C/) 370673
Wells, J.
Evaluation and assessment of nuclear power plant seismic methodology. (UCRL – 52236) 357733
A study of inclusive Ξ^- production from K^-p interactions at 4.2 GeV/c. 353964
Wells, J.E.
Risk assessment to determine the advisability of seismic trip systems. 352213, 354984
Wells, M.
Oscillator technique to determine the thermal contact conductance between fuel and cladding in an operating nuclear fuel rod. 373264
Wells, M.B.
Studies on airborne optical detection of uranium ore. (GJBX – 73(77)) 365276
Wells, P.B.
Deuterium tracer study of alkane formation in the palladium-catalyzed hydrogenation of propadiene and of 1,2-butadiene and its implications concerning the breakdown of selectivity in ethyne hydrogenation. 369682
Proceedings of the sixth international congress on catalysis, Imperial College, London, 12-16 July, 1976. Vol. 1. 367066, 367074, 367086, 367138, 367858, 369775
Wells, R.
Growth of second phase particles in a copper – beryllium alloy. Final technical report. (UCRL – 13758) 373168
Wells, R.B.
Trace elements in the atmosphere over South Africa. (INIS-mf – 3005) 355109
Wells, W.M.
Lithium as a blanket coolant. (CONF-771029 – 72) 372086
Wels, C.M.
High-sensitivity method of radio gas chromatography for ^3H- and ^{14}C-labelled compounds. 351460
Welsch, F.
Effects of cholinergic drugs on uptake of [^{14}C]-α-aminoisobutyric acid into fragments of human term placenta. 379125
Welser, H.
Hyperfine interactions in $RE_2(Fe, Ni)_{17}$. 371689
Welsh, L.W. Jr.
Experimental observations of the negative atomic nitrogen ion. 350630
Welsh, R.E.
Radiative muon capture in calcium. 351365
Welter, H.
Nonlinear properties of tearing modes in tokamaks. (INIS-mf – 3963) 371753
Welter, J.M.
Properties and preparations of Nb-H interstitial alloys. 357385
Welzen, Th. L.
Molecular X-ray scattering, ch. 4. (INIS-mf – 4011) 364637
Welzen, Th.L.
Coherent scattering for $Li(H_2O)^+$ and $Li(H_2O)_2^+$ complexes from approximate molecular orbitals, ch.3. (INIS-mf – 4011) 364638
Gas scattering curves for the iso-electronic series H_3^+O, NH_3, NH_4^+ and CH_4, ch. 6. (INIS-mf – 4011) 364640
X-ray diffraction study on $Al(NO_3)_3$ and $Cr(NO_3)_3$ aqueous solutions, ch. 2. (INIS-mf – 4011) 353502
X-ray gas scattering of the molecular complexes $Li(H_2O)^+$ and $(H_2O)_2$. ch. 7. (INIS-mf – 4011) 366917
X-ray gas scattering profiles of the H_2O-molecule from Gaussian wavefunctions, ch. 5. (INIS-mf – 4011) 364639
An X-ray investigation on aqeous solutions. (INIS-mf – 4011) 366917
An X-ray investigation on aqueous solutions. (INIS-mf – 4011) 353502, 364637, 364638, 364639, 364640
Wen, W.Y.
Molecular motion and structure of solutions of triethylenediamine in H_2O and D_2O as studied by dielectric relaxation measurements. 378300
Wenckel, W.
Measuring system for fast neutron activation analysis at the BER-II reactor. (HMI-B – 188) 367024
Wende, B.
Discrepancies between the Stark-broadening theories of hydrogen and measurements of Lyman-α Stark profiles in a dense equilibrium plasma. 350622
Experimental Stark widths and shifts of uv and vuv carbon I lines (resonance transitions 2p3s ^3P/sup $o/_{0\ 1\ 2}$ – $2P^2\ ^3P_{0\ 1\ 2}$ and transitions to low-lying quantum states). 350912
Wendelken, J.F.
Sputtering of niobium by energetic neutrons and protons: A round-robin experiment. 350569
Wender, S.A.
A pulsed beam time pickoff system for nanoampere beams. 363290
Wendhausen, H.
Practical experience in using NSD formula for the determination of tolerance doses. 376183
Practical experiments for biophysical dose planning in radiation therapy. 354806
Wendl, A.
The melting points of some rare-earth metal nitrides as a function of nitrogen pressure. 370106
Wendling, F.
Measurement of conversion coefficients in ^{208}Tl. (INIS-mf – 4121) 366042
Wendroff, B.
Computing a two-dimensional quench front. 362907
Wene, C.O.
Fission of ^{238}U induced by ^{136}Xe for energies close to the Coulomb barrier. 359488
Weng, P.-S.
Concrete shielding for thermoluminescent dosimeter monitoring post to reduce background interference. 355631
Weng, P.S.
Detection of hot fallout on Taiwan in the period 1971-1975. 354727
In response to 'low exposure rate dependence of $CaSO_4$: Dy TLDS'. 368299
Perspective of radioactive waste management in the Republic of China. 361112
Spurious thermoluminescence of calcium sulfate due to ambient atmosphere during irradiation. 370165
Weng, Pao-Shan
Activation analysis of mercury in urine samples of electrolysis cell workers. 367041
Weng, S.
Three-surface resonances on the (100) face of W and Mo: An angle-resolved synchrotron photoemission study. 365189
Wenger, H.
Safety concepts and safety precautions. 379311
Wenger, L.E.
Specific heat of niobium in the mixed state between 0.03 and 0.3 K. 359891
Wenger, P.
Long-term radium retention in contaminated dial painters. 354833
Weniger, P.
Action of some drugs on enzymes involved in DNA-repair and semiconservative DNA-synthesis. (SGAE – 2469) 357564
Wenk, H.
The KNK-II fuel elements: design and irradiation programme. 371064
Wenk, K.H.
Fuel element fabrication and quality control. 376557
Wenk, M.
Fracture behaviour investigations under centrifugal stress. 355260
Wenkebach, W.T.
Nucleus-nucleus double resonance measurements. (INIS-mf – 4267) 377201
Wenkert, E.
Carbon-13 nuclear magnetic resonance spectroscopy of flavonoid and isoflavonoid compounds. 364149
Wenner, D.B.
Comments: geologic field trip, Chatsworth, Georgia talc district. (Y/OWI/SUB – 4310) 373400
Wennerberg, P.A.
Effects of cholinergic drugs on uptake of [^{14}C]-α-aminoisobutyric acid into fragments of human term placenta. 379125
Wenning, U.
Temperature dependence of the k = O optical phonons of Bi and Sb. 353436
Wenninger, H.
Inclusive V^0 production in anti pp interactions at 12 GeV/c. 353939
Wennrich, R.
Analytical determination of traces of cadmium in inorganic matrices by atomic fluorescence with electrothermal atomization. 375251
Wenrich-Verbeek, K.J.
Uranium and coexisting element behaviour in surface waters and associated sediments with varied sampling techniques used for uranium exploration. 373429
Wensch, G.W.
Status of the U.S.A. liquid metal fast breeder programme, April 1976. (IWGFR – 12) 358307
Wenschhof, D.E.
Nickel-base alloys for nuclear process heat applications. 360870
Wensel, R.G.
Effects of various treatments on the serviceability of water-immersed carbon-steel ball bearings. (AECL – 5823) 360958
Resistance of o-ring seal compounds to heat and ionizing radiation in air and in water. (AECL – 5697) 360128
Testing of unlubricated water-immersed carbon-steel ball bearings.

(AECL – 5824) 360959
Went, M.
Ultraviolet light induced changes in the organization of mitotic chromosomes in porphyria cutanea tarda. 362633
Wentowska, K.
Critical depolarization of neutrons in ferromagnets and antiferromagnets. 364150
Wentzel, D.G.
Do changes in coronal emission structure imply magnetic reconnection. 372228
Isotropy of cosmic rays caused by magnetic discontinuities. 359185
Wenzel, K.-P.
Influence of the magnetosheath on solar proton penetration into the magnetosphere. 364310
Wenzel, M.
Biochemistry of metallocenes. Pt. 2. 354878
Biochemistry of metallocenes. Pt. 3. 376074
Wenzl, H.
Crystallization and melting of hydrogen interstitial crystals in niobium. 367283
Investigation of the precipitation morphology in the $\alpha+\alpha'$ two-phase region of the niobium – hydrogen system by γ-ray diffraction. 362402
Properties and preparations of Nb-H interstitial alloys. 357385
Wepler, J.
Two-dimensional FEM-reactor dynamics. 350124
Werba, T.
Electron microscopic investigations of tracks of Cf^{252} fission fragments in quartz glass. 360129
Werbin, H.
Modification of amino acid residues in DNA-photolyase: evidence for the reaction of diketene with S-S bonds. 357556
Werbin, R.
Extraction system of the Nevis Synchrocyclotron. 363209
Werbos, P.J.
Experiments on the reinterpretation of quantum mechanics corrections and new ideas. 366310
Werbrouck, A.
The slow proton trigger for the CERN OMEGA spectrometer. 368293
Werczberger, R.
Selection with cycloheximide of metabolic and uv-sensitive mutants of Schizophyllum commune and Saccharomyces cerevisiae. 373503
Wereszczynski, Z.
Plasma-focus dynamics investigations by means of multiframe interferometry and shadowgraphy. (INIS-mf – 3963) 371812
Werf, S.Y. van der
The $^{116}Sn(d,t)^{115}Sn$ reaction and the investigation of deeply bound hole states in the cold-A tin isotopes. 356921
Proton hole states in ^{114}Cd excited in the $^{115}In(d,^3He)^{114}Cd$ reaction at Esub(d) = 50 MeV. 356776
Werle, H.
Considerations on a PAHR test facility. (CONF-761001 – P1) 362870
Model experiments on the thermodynamics of core melts. 370552
Reactor theory and physical experiments. (KFK – 1277/2) 370795
Werle, J.
Dirac spinor solutions or bags. 361322
Localized solutions of non-linear Klein – Gordon equations. (ORO – 3992-309) 363857
Localized solutions of non-linear Klein-Gordon equations. 361323
Non-linear spinor equations with localized solutions. 371446
Werlen, M.
A measurement of the polarization parameter in large angle proton-proton elastic scattering at 7.9 GeV/c. 356484
Wermes, N.
Measured angular distributions of proton compton scattering at photon laboratory energies of 700, 750 and 800 MeV. (BONN-HE – 77-17) 364583
Wernecke, S.J.
Two-dimensional maximum entropy reconstruction of radio brightness. 366778
Werner, A.
Radiation dose to the gonads during cystourethrography in children. 354807
Werner, D.M.
Recirculating pump seal investigation. Volume 2. Technical planning study TPS-76-626. Final report. (EPRI-NP – 351(Vol.2)) 379646
Werner, E.
Arrangement used to determine the total activity of gamma rays emitted by a body. (German (F.R.) patent document 2517752/A/) 355558
Changes in iron kinetics by myelostimulative therapy in patients with aplastic anemia. (INIS-mf – 4010) 367573
Clinical value of radioimmunometrically determined serum ferritin levels. (INIS-mf – 4010) 370477
An instrument for the determination, independent of position, of radioactively labelled aerosols in the lungs for clearance testing. (AED-Conf – 76-134-005) 355029
Position and width of the monopole giant resonance in ^{208}Pb. 356662
A renormalization procedure for the correlation function theory of finite fermi systems. 375144
Theory of finite Fermi systems and applications to the lead region. 354115
Werner, M.M.
Slow UV-recovery and fast γ-recovery in wild-type schizosaccharomyces pombe. 352012
Werner, M.W.
Infrared studies of star formation. 361750
One-millimeter observations of the Crab nebula. 361751
Werner, R.
A conceptual fusion reactor based on the high-plasma-density Z-pinch. 348921
Werner, R.W.
ORNL fusion power demonstration study: the concept of the cassette blanket. (ORNL/TM – 5964) 366656
Werner, S.A.
Applications of pulsed neutrons from a spallation source. 363366
Werner, W.
Analytical simulations in the field of two-phase-flow. 376307
Application of coarse-mesh methods to fluid dynamics equations. 349979
Coarse-mesh flux-expansion method for the analysis of space – time effects in large light water reactor cores. 374205
Efficient high-order method for the solution of fluid dynamics equations. 363105
High-order schemes for neutron kinetics calculations, based on a local polynomial approximation. 374122
The ultraviolet star spectrograph BUSS. 351098
The use of higher order polynomials for spatial approximation of neutron flux in the coarse mesh method QUABOX/CUBBOX. 350116
Werner, Z.
Photoluminescence in CdS irradiated with high-energy electrons. 370209
Wernhard, K.L.
Spin and lifetime of the Ω^- hyperon. 372517
Strange particle production in three- and four-body final states of 16 GeV/c π^+p reactions. 353944
Study of the reactions $K^-p \rightarrow K^+K^-\Lambda$ and $Kp \rightarrow$panti $p\Lambda$, at 10 and 16 GeV/c. 353978
Total cross sections for charged-current neutrino and antineutrino interactions in BEBC in the energy range 20-200 GeV. 353945
Wernick, J.H.
EXAFS measurements on Nb_3Ge thin films. 351734
Wernischova, V.
Studies of calcium absorption in man using a CD-2 whole-body counter. 354916
Wernli, C.
Experiences with using a concept of organ-dose combination as a basis for practical measures in radiation protection. 355057
Werren, D.W.
A complete experiment for p-p scattering at medium energies. 372584
Measurement of the parameters P, D, R and A for small angle p-p scattering at 390 MeV. 377785
Wert, C.
Reduction of blue tungsten oxide. 362509
Werth, G.
Summary of U.S. PNE experience. (UCID – 17649) 379452
Wertheim, G.K.
Intermediate valence in $YbAl_3$ and $EuCu_2Si_2$ by X-ray photoemission (XPS). 353410
X-ray photoelectron spectroscopy in rare-earth hexaborides. 357352
Wertz, J.E.
Defects in the alkaline earth oxides with applications to radiation damage and catalysis. 360090
Wesenberg, D.L.
Pulsar – a flux compression stage for coal-fired power plants. 360610
Wesener, K.
Investigations on the renal transit time of ^{131}I-hippuran. (INIS-mf – 4010) 357692
Wesley, D.A.
Status of the General Atomic HTGR core seismic verification program. (GA-A – 14592) 379312
Wesley, J.C.
Parallel connecting poloidal coil system for a doublet tokamak fusion reactor. (GA-A – 14248) 372060
Wesolowski, J.
The angular correlation of the two-photon positron annihilation quanta in silicon dioxide powders. 371582
Wesselhoeft, H.
Improvement of the diagnostic value of radionuclidic angiocardiography in babies by using rapid sequential scintigraphy and a new image display system ('Digiphot'). (INIS-mf – 4010) 362824
Wesselius, P.R.
Spectral classification using ANS photometric data. 369065
Wesslen, E.
Two investigations concerning the release of tritium. I. Tritium leakage from $^3H(Sc)$ EC-detectors. 370696
Wessner, E.F.
Investigation of the excited levels of ^{158}Gd by means of the neutron generator. (SGAE – 2354) 354155
Wesson, J.A.
Field reversal in pinches. (INIS-mf – 3963) 372051
High-β tokamaks. 359026
Hydromagnetic stability of tokamaks. 372087
Steady-state diffusion in a tokamak. 348951
West, C.
Criteria for assessing radioactive waste management schemes. 352326
West, D.R.F.
Thinning transformation in β Ti – Mo alloys. 362436
West, D.X.
Some lanthanide complexes of the conjugate base of 3-phenyl-5-

methyl-1-hydroxypyrazole-2-oxide. 359610
West, E.J.W.
Total cross sections for charged-current neutrino and antineutrino interactions in BEBC in the energy range 20-200 GeV. 353945
West, G.A.
Deactivation of vibrationally excited SO_2 by $O(^3P)$ atoms. 368718
West, G.B.
Coulomb-nuclear interference with pions. 369416
West, G.M.
Status report: direct track detector dosimetry in negative pion beams. 368301
West, J.E.
Foil-electrets and their application. (INIS-mf – 4127) 364151
West, K.W.
Degradation of hydrogen-absorbing rare earth intermetallics by cycling. 375824
What is the mechanism of hydrogen absorption in rare-earth intermetallics. 373169
West, M.A.
Lasers in chemistry. 366326, 366332, 366343, 366384, 367080, 367863, 367866, 367869
West, M.L.
Quenching of benzene fluorescence in pulsed proton irradiation: Dependence on proton energy. 351645
West, P.
Infrared behaviour of a gauge covariant approximation. 371363
West, P.C.
Supergravity as a gauge theory of supersymmetry. 355738
West, P.J.
Moessbauer conversion electron studies of tantalum metal surface layers. 356052
West, R.L.
Investigation of γ-vibration and other sidebands in ^{162} ^{164} ^{166}Er and ^{154}Gd using the (α,2nγ) reaction. 351426
West, S.G.
Impact of offshore nuclear generating stations on recreational behavior at adjacent coastal sites. (NUREG – 0394) 379213
West, W.J.
Measurement of light emission from remote cosmic-ray air showers. 365315
West, W.P.
Ionization of xenon atoms in high Rydberg states by collision with molecules. 350612
Westende, A.P.M. van't
Strengths of isospin forbidden E1 transitions in ^{40}Ca and ^{16}O. 366992
Wester, J.
State of affairs of the research into the possibilities for radioactive waste disposal, ch. 5, pt. 1. (INIS-mf – 4221) 380077
Westerberg, L.
γ-ray multiplicities from nuclear reactions: theory, instrumentation and analysis. 355598
Westerman, M.
Commissioning and operating of Hinkley Point 'B' AGR. 352694
Experience in commissioning advanced gas-cooled reactors. 358268
Westerman, R.E.
Zircaloy cladding ID/OD oxidation studies. Final report. (EPRI-NP – 525) 379313
Westfall, G.D.
Central collisions of relativistic heavy ions. 359486
Multiplicity and charged particle emission in relativistic heavy ion collisions. (LBL – 6537) 362066
Westgaard, L.
Fast release of nuclear reaction products from refractory matrices. 378231
Westhof, E.
The action of ionizing radiation on protein. 378961
Formation of H-addition radicals in some pyrimidine and purine derivatives. 357182
Radical formation in single crystals of hypoxanthine.HCl.$H_2$0, inosine, and the disodium salt of 5'-inosine-monophosphate. 378985
Westin, H.
Studies of infrasonic waves in the auroral zone. (N – 77-25715) 370314
Westlake, D.G.
Moessbauer study of Er^{3+} in ErH_3 and YH_3. 366376
Westley, G.W.
Applications of Kalman Filtering to nuclear material control. (ORNL/NUREG/CSD – 1) 374500
Weston, J.R.
Tritium processing and containment technology for fusion reactors. Annual report, July 1975 – June 1976. (ANL – 76-133) 358979
Weston, L.W.
Neutron capture cross section of ^{240}Pu. 351427
Weston, R.E. Jr.
Deactivation of vibrationally excited SO_2 by $O(^3P)$ atoms. 368718
Isotope effects and quantum-mechanical tunneling. 351591
Westpfahl, U.
Compilation of data on the release of radioactive substances in the vent air of nuclear power plants in the Federal Republic of Germany in 1975. (STH – 2/76) 350197
Westphal, G.P.
Loss-free counting – a concept for real-time compensation of dead-time and pile-up losses in nuclear pulse spectroscopy. 363599
Westroem, M.
Hot-spot particle emission in deep-inelastic ^{16}O + ^{58}Ni collisions. 369426
Westrum, E.F. Jr.
Actinoid pnictides. 359722
Heat capacity and thermodynamic properties of strontium from 5 to 350 K. 369913
Westsik, J.H. Jr.
Thermal and radiation effects on borosilicate waste glasses. 358494
Westwood, N.P.C.
A versatile, fast pumping ultraviolet photoelectron spectrometer for the study of transient and unstable species. 355528
Wettendorff, P.
Correlation between scintigraphy, echography and computed tomography in the diagnosis of pancreatic diseases. (INIS-mf – 4010) 357686
Wetterich, Ch.
Left-right symmetric gauge models and possible existence of a neutral gauge boson with mass in the PETRA-PEP energy range. 372484
Wetzel, K.
Isotopic composition of chemical elements in natural cycles. (ZfI-Mitt – 11) 373430
Wexler, B.L.
Cw and improved pulsed operation of the 14- and 16-μm CO_2 lasers. 367870
Wexler, G.
The electronic susceptibility and charge density waves in 2H layer compounds. 377185
A tight binding fit to the bandstructure of 2H-$NbSe_2$ and NbS_2. 377184
Wexler, M.R.
Early evaluation and diagnosis of vascular impairment of flaps using ^{99}Tc sodium pertechnetate – an experimental and clinical model. (INIS-mf – 3663) 354897
Wexler, S.
Collision-induced ion-pair formation of the thallium halides TlF and Tl_2F_2 . 358803
Evaluation of ^{237}Np microscopic neutron data. (IA – 1338) 364616
Method of isotope separation by chemi-ionization. (US patent document 4,024,217/A/) 373913
Weyant, J.K.
Impact of offshore nuclear generating stations on recreational behavior at adjacent coastal sites. (NUREG – 0394) 379213
Weyden, D. van der
Advanced concepts in prestressed-concrete containment construction due to hot liners from the special point of view of economical construction. 370973
Weyer, B.J.
Acute and late damage in the mouse small intestine following multiple fractionations of neutrons or x-rays. 367495
Mouse testes as a biological test system for intercomparison of fast neutron therapy beams. 365384
Weyer, G.
Moessbauer conversion electron studies of tantalum metal surface layers. 356052
Radiation damage studies on implanted Te, Sb, and Sn in semiconductors by means of Moessbauer spectroscopy. 370243
Weyer, H.
SIMOVERT intermediary circuit inverters for the enrichment of uranium with gas ultra centrifuges. 371256
Weyers, J.
A model for the u-d mass difference. 361784
Weyers, L.L.
Budget performance reporting and construction work packaging. 358165
Weyhmann, W.V.
Experimental studies in solid state and low temperture physics. Progress report for 1977. (COO – 1569-144) 371605
Weymann, R.J.
Radiative transfer and stellar atmospheres. 372298
Whalen, J.
Fast neutron cross sections of vanadium and an evaluated neutronic file. (ANL/NDM – 24) 351358
Titanium-I: fast neutron cross section measurements. (ANL/NDM – 31) 364773
Whalen, J.A.
12-hour case study of auroral phenomena in the midnight sector: Electrojet and precipitating particle characteristics. 360216
Whalen, J.F.
250 keV resonance in the total neutron cross section of ^{6}Li. (ANL/NDM – 29) 372812
Whaley, H.L.
Flaw-size measurement in a weld sample by ultrasonic frequency analysis. 352427
Whaley, T.W.
Synthesis of labeled compounds. (LA – 6898-PR) 378440
Whaling, W.
Transition probabilities in Nd(II) and the solar neodymium abundance. 372214
Whall, T.
Moessbauer spectra of Fe$_3$Osub(4-x)Fsub(x) (with 0 <= x <= 0.25). 361442
Whang, Y.C.
Probability distribution functions of microscale magnetic fluctuations during quiet conditions. 354728
Wharton, L.
Energy accommodation and reactivity of O_2 on tungsten. 353398
High-resolution differential cross section of polarized, rotationally state-selected LiF on Ar. (INIS-mf – 3940) 348639
Whatley, M.E.
Dimensional analysis of solids transport and dispersion in a rotary kiln. (ORNL/TM – 5898) 357204

Whealton, J.H.
Effect of emission aperture shape upon ion optics. 350859
Linear optics theory of ion beamlet steering. 366380
Production of low energy positive ions suitable for double electron capture systems. (CONF-770940 – 11) 372088
Wheatley, B.M.
Nuclear power and the environment. 370630
Wheeler, B.R.
Design criteria for the new waste calcining facility at the Idaho Chemical Processing Plant. 358465
Wheeler, C.B.
Space charge limited current flow between concentric spheres at potentials up to 15 MV. 348978
Wheeler, C.D.
Dimuon production by high energy neutrons. 372540
Wheeler, C.E.
Health physics aspects of fusion power. (ORNL – 5171) 367565
Wheeler, J.A.
Singularity and unanimity. 353168
Wheeler, M.L.
Considerations for the long term: perpetual is not forever. (LA-UR – 77-1294) 361129
Wheeler, W.R.
The design of large vacuum seals for nuclear fusion machines. 369006
Wheelock, T.D.
Electrofluid gasification of coal with nuclear energy. 374466
Whelan, J.A.J.
Confirmation of the highest redshift QSO candidates from the Tololo deep survey. 356319
The optical and radio counterpart of Circinus X-1 (3U 1516-56). 356343
Q 0002 – 422: a QSO with zsub(abs) < < zsub(em). 359186
Spectroscopic observations of the X-ray nova A0620-00. 349036
Wheldon, A.G.
LEP injection. 363154
Whetmath, P.D.J.
Design and performance of major body-monitoring facilities. 371112
Whetten, N.R.
X-ray detector. (US patent document 4,031,396/A/) 363600
Whicker, F.W.
Radioecology of natural systems. Fifteenth annual progress report, August 1, 1976 – July 31, 1977. (COO – 1156-89) 362588
Radioecology of natural systems. Three year summary report, May 1, 1974 – July 31, 1977. (COO – 1156-90) 362589
Whillans, D.W.
The reactions of p-nitroacetophenone with H and OH radicals. 365080
Whinston, A.B.
Computerized planning system for nuclear power plant evaluation. (PB – 267663) 363423
Whinston, W.
Discriminant analysis of characteristics determining acceptance of rejection of nuclear power. (PB – 267664) 363445
Whipple, C.
An approach to societal risk acceptance criteria and risk management. (PB – 271264) 379209
Whipple, R.E.
The production of medically useful radioisotopes at the Los Alamos Meson Physics Facility. (INIS-mf – 4010) 356850
Whitaker, J.S.
K^0 production in e^+e^- annihilation. 353983
Whitaker, S.
Measurement of the neutral to charged current cross section ratio in neutrino and antineutrino interactions. 361888
Observation of a neutrino event with four energetic muons. 372525
Study of inclusive neutral current interactions of neutrinos and antineutrinos. 369377
Whitbourn, W.A.
A variable-frequency voltage supply for a monopole mass spectrometer. 379974
Whitby, S.R.
Thermal explosions in mixtures of eutectic sodium potassium alloy and potassium superoxide. 365605
White, B.A.
Annual variations in the circulating levels of thyroid hormones in the brook trout, Salvelinus fontinalis, as measured by radioimmunoassay. 357715
White, C.W.
Application of nuclear reactions for quantitative hydrogen analysis in a variety of different materials problems. (CONF-770642 – 3) 349159
Ion induced optical emission for surface and depth profile analysis. (CONF-770642 – 8) 350693
Use of nuclear reactions and SIMS for quantitative depth profiling of hydrogen in amorphous silicon. 359547
White, D.
Owner's quality assurance as a tool for technology transfer. 352612, 358163
White, D.C.
Construction and commissioning of the Hinkley Point 'B' and Hunterston 'B' boilers. 352706
Severe radiation injuries of the lung. 352053
White, D.F
Instrument evaluation no. 6. Victoreen 440RF/A shielded low-energy x-ray survey meter. (NRPB-IE – 6) 376635
White, D.F.
Instrument evaluation no. 1. Nuclear Enterprises dose rate meter type NE 2602. (NRPB-IE – 1) 376663
Instrument evaluation no. 2. Eberline portable ion chamber model RO-1. (NRPB-IE – 2) 376667
Instrument evaluation no. 3. Eberline portable ion chamber model RO-2. (NRPB-IE – 3) 376666
Instrument evaluation no. 4. Nuclear Enterprises gamma dose rate meter type 2604. (NRPB-IE – 4) 376665
Instrument evaluation no. 5. Wallac OY universal radiation survey meter type RD-8. (NRPB-IE – 5) 376664
A unified method of measuring beta and photon radiations for radiation protection purposes. 360550
White, D.H.
Large hadron spectrometer workshop summary. (BNL – 50611) 358005
White, D.R.
Epoxy resin based tissue substitutes. 360551
The formulation of tissue substitute materials using basic interaction data. 349926
Photon and electron interaction properties of ICRP reference man. 354825
A realistic chest phantom for the assessment of low-energy photon emitters in human lungs. 360534
White, D.Rn
A tabulation of 4th order polynomial coefficients calculated to fit the photon interaction data of 69 ICRP reference man tissues. 370664
White, G. Jr.
Procurement mechanisms. 363709
White, G.A.
Effects of rolling and heat treatment on the mechanical properties and structure of a U-2 Mo alloy produced by co-reduction. 373157
White, G.C.
Simulation model of tritium kinetics in a freshwater marsh. 370285
White, G.J.
A deep search for x-ray emission from radio quasars with Ariel V. 356344
Improved position for the x-ray source 3U0527-05. 361752
White, G.S.
Effects of γ-irradiation upon the optical behavior of spinel. 348862
White, J.C.
Numerical analysis of laser induced inelastic collisions. 377031
White, J.R.
Can artefacts produced in the SEM reveal internal stresses in thermoplastics. 373391
Effects of RELAP4/MOD5 modeling of the LOFT pressurizer. 352801
White, J.W.
A neutron diffraction study of lanthanum magnesium nitrate $La_2Mg_3(NO_3)_{12}.24H_2O$. 361413
Status report: waste incineration and fixation for Waste Management, Production, and Reprocessing Division of the Department of Energy (July – December 1976). (RFP – 2655) 380028
White, K.E.
Absolute flow measurements to obtain depth against discharge for sewers using bromine-82 and lithium as tracers. 352366
White, L.E. Jr
Package for storing solid toxic material and method for packaging. (German (F.R.) patent document 2549304/A/) 352865
White, M.A.
Stirling/hydraulic artificial heart power source. 379393
White, M.D.
PWR blowdown heat transfer separate-effects program: Thermal-Hydraulic Test Facility experimental data report for test 100. (ORNL/NUREG/TM – 114) 352304, 363042
White, M.G.
Environmental plutonium on the Nevada Test Site and environs. (NVO – 171) 378828, 378855, 378879, 379130, 379131, 379137, 379139
Time resolved VUV spectroscopy using synchrotron radiation: fluorescent lifetimes of atomic Kr and Xe. 368674
Time-resolved VUV spectroscopy using synchrotron radiation. Zeeman beats in resonance fluorescence of the $^3P_1$ states in krypton and xenon. 377079
White, M.S.
Observation of severe heat-flux limitation and ion-acoustic turbulence in a laser-heated plasma. 368952
White, N.E.
Copernicus observations of a number of galactic x-ray sources. (CONF-7510169 –) 364302
Discovery of eclipsing nature of LMC X-4. 366779
An increase in the x-ray absorption of NGC 4151. 356180
X-ray variability of Vela X-1: 3U0900-40. (CONF-7510169 –) 364295
White, O.R.
Solar EUV emission line profiles of Si II and Si III and their center to limb variations. 372227
White, R.B.
Simulation of a major tokamak disruption. (PPPL – 1364) 356166
White, R.L.
Evidence for the excitation of giant resonances in heavy-ion inelastic scattering. 372709
White, R.S.
Atmospheric gamma ray angle and energy distributions from 2 to 25 MeV. 360208
Evidence that cosmic γ-ray bursts are galactic. 374985
White, R.W.
Chemical vapor deposition of zirconium carbide alloyed isotropic carbon in a fluidized bed. (LA-UR – 77-1064) 351665

Chemical vapor deposition of ZrC made by reactions of $ZrCl_4$ with CH_4 and with C_3H_6. 365196
Irradiation test OF-2: high-temperature irradiation behavior of LASL-made fuel rods and LASL-made coated particles. (LA – 6988-MS) 374229
White, S.D.M.
Dynamical effects in the formation and evolution of galaxies and clusters. 364428
The dynamical evolution of clusters of galaxies. 369232
Tidal interactions and the massive halo hypothesis. 351099
White, T.O.
A measurement of the polarization parameter in large angle proton-proton elastic scattering at 7.9 GeV/c. 356484
White, W.B.
Optical properties of trivalent chromium in silicate glasses: A study of energy levels in the crossing region. 351853
Polarized Raman spectra of the metallic hexaborides LaB_6 and SmB_6. 357349
Raman spectroscopic characterization of defect character in rare earth pyrochlores. 357381
Raman spectroscopic study of hexavalent chromium in some silicate and borate glasses. 360010
Whited, R.C.
Recent improvements in HgI_2 detectors. (EGG – 1183-2362) 374364
Whitehead, J.C.
Product translational energy distributions of methyl radical reactions. 364933
Whitehead, R.R.
Shell-model calculations in the sd shell. 364788
Whitehouse, S.B.
Noise measurements for voltage sensitive amplifier. 355605
Whitelock, P.A.
Infrared sources in the compact H II region G45.5 + 0.1. 356263
Whitfield, P.W.
Component design description of the neutral beam injectors for PLT. (CONF-771029 – 43) 371907
Whitham, K.
25 megajoule energy storage and delivery system for the Shiva laser. (UCRL – 79700) 374819
Whiting, A.R.
Ultrasonic variables affecting inspection. 365784
Whiting, E.E.
Band structure of W and Mo by empirical pseudopotential method. (N – 77-19902) 362459
Whitlock, R.R.
Laser-matter interaction studies at NRL. 372038
Whitman, G.D.
An evaluation of the HSST program intermediate pressure vessel tests in terms of light-water-reactor pressure vessel safety. (IAEA – 189) 360897
Heavy-Section Steel Technology Program intermediate-scale pressure vessel tests. (CONF-770807 – 24) 362878
Whitman, R.L.
Automated computer analysis of plasma-streak traces from SCYLLAC. (LA-UR – 77-2582) 377568
Whitmell, D.S.
The storage of inert gases in a metallic matrix by combined ion implantation and sputtering. 380074
Whitmore, J.
One-, two-, and three-particle distributions in pp collisions at 205 GeV/c. 372529
Properties of the reaction anti $pp \rightarrow K^+K^-\pi^+\pi^-$ at 2.32 GeV/c. 369366
Search for charmed particles in 14.75 GeV/c pp interactions. 375069
Tests of factorization from single- and double-pion production in 100-GeV/c p-antip and pp collisions. 351230
Whitmore, W.F. Jr.
Comparative study of two preoperative radiation regimens with cystectomy for bladder cancer. 373579
Whitney, D.D.
Feed-and-bleed operation at Rancho Seco. 358104
Whitney, J.F.
Ferroelasticity in the $LnNbO_4$-type rare earth niobates. 362485
Whitney, K.
Laser-matter interaction studies at NRL. 372038
Whitson, M.O.
Controlled fusion and plasma research: a literature search. (TID – 3557-S12) 361650
Whitson, W.R.
ORNL shielded facilities capable of remote handling of highly radioactive beta – gamma emitting materials. (ORNL/TM – 5971) 374039
Whittacker, B.
The enthalpy of solution of body-centred tetragonal protactinium metal. 373016
Whittaker, B.
Preparation and some chemical properties of protactinium metal. 365119
Whitten, C.A.
High Resolution Spectrometer (HRS) particle-identification system. (LA – 6810) 374077
Whittle, C.E.
Economic and environmental implications of a U.S. nuclear moratorium, 1985 – 2010. (ORAU/IEA – 76-4) 352305
Whittle, M.J.
Ultrasonic inspection of austenitic welds. (IWGFR – 10) 362352
Whittlestone, S.
A time-of-flight measurement system using the elevated target facility for the AAEC 3MV Van de Graaff accelerator. (AAEC/E – 420) 358400
Whitwam, J.G.
General anaesthesia for high-dose total body irradiation. 367542
Whytock, D.A.
Absolute rate of the reaction of Cl(p-2) with molecular hydrogen from 200-500°K. (N – 77-14825) 362223
Wiant, H.R.
Brazed borsic/aluminum structural panels. (N – 77 – 18220) 351851
Wiarda, K.S.
Thyroid suppressibility and functional autonomy in euthyroid multinodular goitre. (INIS-mf – 4010) 370514
Wiater, P.J.
Subsurface stabilization by grouting of a simulated underground tank. (ARH-CD – 877) 380075
Wibberenz, G.
Influence of finite injections and of interplanetary propagation on time-intensity and time-anisotropy profiles of solar cosmic rays. 356317
Signatures of solar cosmic ray events and their relation to propagation and acceleration processes. 372299
Wiberg, A.
Mutation work done at Svaloef, Sweden, for improving disease resistance in barley. 373741
Wiberg, K.B.
Isotopic perturbation of resonance. Carbon-13 nuclear magnetic resonance spectrum of 2-deuterio-2bicyclo[2.1.1]hexyl cation. 378389
Wiborg, J.
$^{29}Si + {}^{14}N$ stripping and pickup reaction. (RLO/1388 – 362) 372725
Wiborg, J.C.
Further measurements of $^{16}O + {}^{28}Si$ elastic scattering at tandem energies. (RLO/1388 – 362) 372830
Wichmann, H.P.
Studies of the retention of aerosols in the Karlsruhe reprocessing plant (WAK). 359841
Wichner, R.P.
Distribution of cesium and other fission products in Peach Bottom HTGR fuel elements. 352707
Distribution of fission products in Peach Bottom HTGR fuel element E14-01. (ORNL/TM – 5730) 363474
Fission product behavior in the Peach Bottom HTGR. (CONF-770929 – 6) 368177
Study of radionuclides in the Peach Bottom HTGR primary circuit. 352677
Wichtl, M.
On the chemism of grain size fractions of the lunar rock 14305. 364883
Wicke, A.
Measuring method to determine low Rn-exhalation rates from solid materials. (AED-Conf – 76-530-009) 357848
Wicke, B.G.
Electron-impact excitation of the low-lying electronic states of HCN. 368619
Wickenhaeuser, A.
The Karlsruhe computer program for the evaluation of the availability and reliability of complex repairable systems. 374154
Wickenhauser, J.
Nuclear medicine investigation of inflammations of the skull. (INIS-mf – 4010) 357717
The place of bone scintigraphy in the diagnosis of tumors of the skull. (INIS-mf – 4010) 357716
Wickens, A
Preliminary microstructural examination of high and low ductility type 316 creep rupture specimens. (CEGB-RD/B/N – 3991) 357251
Wickens, F.
K^-n elastic scattering between 610 and 840 MeV/c. 356502
Wickens, J.
Inclusive V^0 production in anti pp interactions at 12 GeV/c. 353939
A study of the reactions $K^-d \rightarrow K^-d$ and $K^-d \rightarrow K^-n$(psub(s)) at 4.5 GeV/c. 353954
Wickens, J.H.
Determination of the branching fractions for kaons minus-meson absorption at rest in carbon nuclei. 362109
Measurement of decay branching ratios for the sub(Λ0sup(4)He hypernucleus. 361889
Wickramasinghe, D.T.
Spectra of southern white dwarfs. 359187
Stroemgren photometry of southern white dwarfs. 372125
Subdwarfs or cool DA white dwarfs. 359188
Wickramasinghe, N.C.
Formation and destruction of grains. 356345
Identification of interstellar polysaccharides and related hydrocarbons. 369109
Identification of the lambda2,200A interstellar absorption feature. 359098
Origin and nature of carbonaceous material in the galaxy. 364343
Polysaccharides and the infrared spectrum of OH 26.5 + 0.6. 356253
Prebiotic polymers and infrared spectra of galactic sources. 353718
Wickramasinghe, R.H.
Behaviour of ^{14}C-labelled methyl palmitate during alumina chromatography of petroleum hydrocarbons. 369769
Widart, J.
A novel design for PWR pressure vessels. 352654
Widder, F.
Distribution of rapidity gaps and charge transfer. 353915
Widemo, Ulf
A composite dose calculation model for local, regional and global

atmospheric dispersion. 370558
Wider, H.U.
Comparison of the EPIC and PLUTO computer codes for TOP conditions. 352276
Large-scale deterministic computer code systems and LMFBR safety: a perspective. (CONF-761001 – P3) 365623
Results of recent TOP and LOF experiments in TREAT. (CONF-761001 – P4) 363007
SAS4A LMFBR accident analysis code system: a progress report. (CONF-761001 – P3) 365548
Widera, G.E.O.
Validity of shell theory for layered media. (INIS-mf – 3847) 358082
Widing, K.G.
Multiple loop activations and continuous energy release in the solar flare of June 15, 1973. 372300
Widmann, T.
Off-shell T-matrix elements for singular nucleon-nucleon interactions. 353916
Widner, M.M.
Electron beam driven implosions. (SAND – 77-1506C) 371733
Electron deposition in thin targets. (SAND – 77-2000C) 371541
Field-enhanced REB deposition and Bremsstrahlung production. (SAND – 77-0242C) 350624
Neutron production from advanced RDB fusion targets. (SAND – 77-2017C) 364177
Thick-shell shock-focusing electron beam targets. 372049
Wiebe, H.J.
On the movement and distribution of calcium in white cabbage in dependence of the water status. 362590
Wiebe, L.I.
Clearance and elimination of ^{125}I-Rose Bengal in the sub-totally nephrectomized chronically uremic rat. 352078
Wiech, G.
X-ray spectroscopic studies of the electronic structure of the oxyanions NO^{-}_{2}, NO^{-}_{3}, and CO^{2-}_{3}. (DESY-SR – 77/14) 353291
Wiechen, A.
Cesium and rubidium metabolism of cows. 375279
Wiechert, H.
Measurement of the velocity of fourth sound in helium II under pressure. 351115
Wieclaw, B.
Isotope investigation of anodic slime movements in copper electrorefining baths. 367897
Wieclawik, W. de
On properties of the negative parity levels in Tl, Au, Ir odd nuclei. 377945
The particle-cluster vibration and the particle-asymmetric rotor description of ^{193}Au. (ZfK – 336) 364830
The potential energy surfaces and the nuclear deformations of odd-mass Tl, Au, Ir and Re isotones. (ZfK – 336) 364833
Spherical and deformed descriptions of the $9/2_1^-$ level. (ZfK – 336) 364763
Wieczorek, H.
Spin-parity analysis of the diffractively produced low-mass Nπ systems in the reaction $\pi^+p \rightarrow \pi^+(N\pi)^*$ at 16 GeV/c. 369382
Wiedemann, H.
Chromaticity correction in ISABELLE with low-β insertions. (BNL – 50611) 358006
Chromaticity correction in large storage rings. 363207
Function and set up of public participation in the nuclear licensing procedure. 352992
Wiedenmann, A.
ESR- and Moessbauer spectroscopic, roentgenographic and magnetic studies on the formation of highly dispersive iron oxides on Faujasit. 359716
Wiedermann, M.
Commercial activity meters for nuclear medicine – results of comparing instruments made by three companies. 379901
Wiedersich, H.
Effects of defect trapping and radiation-induced solute segregation on void swelling. (CONF-770639 – 1) 360115
Effects of trapping and detrapping of helium on void nucleation. (CONF-770641 – 2) 351891
Solute segregation during irradiation. (CONF-770641 – 8) 362555
Void swelling and segregation in dilute nickel alloys. (CONF-770641 – 1) 351905
Wiedner, C.A.
The mass and low-lying level structure of ^{17}C. 362083
Systematic study of the energy dependence of the elastic $\pi^{\pm}$-^{16}O scattering in the region of the (3,3) resonance. (ISN – 77-37) 362032
Wiehr, E.
Some comments on the measurement of small scale strong magnetic fields on the Sun. 369233
Wiehr, K.
Fuel rod behaviour in the refill and flooding phase of a LOCA. (AED-Conf – 77-403-003) 376210
Investigations of the fuel rod behavior in the low pressure phase of a LOCA and of the interaction between ballooning Zircaloy claddings and emergency core cooling. (KFK – 2435) 358203
Out-of-pile cluster experiment on fuel rod behaviour in the flooding phase of a hypothetical LOCA. 370944
Wiel, M.J. van der
Ion-pair formation in Cs_2 by two-photon absorption. 376968
Wieland, R.M.
Low-energy proton reactions on ^{45}Sc of interest in stellar nucleosynthesis. 354263
Wielang, J.A.
Fluidized-bed calciner with combustion nozzle and shroud. (US patent document 4,017,253/A/) 374420
Wieleczko, J.P.
Researches with the tandem and the synchrotron. Chapter 1. (CEA-N – 1959) 354169
Wieler, R.
The corrosion behaviour of Zr_3Al-based alloys. (AECL – 5812) 359831
Wieling, N.
Investigation of denting corrosion effects in steam generator tubes. 369825
Wielopolski, L.
Application of selected mathematical techniques to energy-dispersive X-ray fluorescence analysis. 359551
Wielosz, M.
Effect of two non tricyclic antidepressant drugs on [^{14}C]5-hydroxytryptamine uptake by rat platelets. 357626
Wieman, H.H.
Particle-particle angular correlations in peripheral heavy-ion reactions. 362065
Structure of ^{88}Sr from the ^{86}Kr(^{3}He,n)^{88}Sr reaction. 372695
Wien, K.
Experimental investigation about the mechanism of fission-fragment induced desorption. 363887
Wiendl, F.M.
Effects of gamma radiation on logenvity and reproduction of 'Araecerus fasciculatus' (De Geer) (Col. Anthribidae). (CENA-BC – 042) 365480
Influence of gamma dose rate on longevity of Laemophloeus ferrugineus (STEPH.). (CENA-BC – 040) 354799
Influence of oxygen, nitrogen and carbonic gas during gamma irradiation of 'Sitophilus zeamais' Mots. and 'Zabrotes subfasciatus' (Boh.). (CENA-BC – 041) 365483
Influence of temperature and gamma radiation on the longevity of 'Rhysopertha dominica' (F.). 352149
Labelling of adults of 'Diatraea Saccharalis' (F.) through feeding of worms with radioisotope (^{59}Fe) labelled diet. 352148
Labelling of eggs of Ceratitis capitata (Wiedmann) through radioactive sperm (^{32}p). (CENA-BC – 034) 354899
Mortality and reproduction of Sitophilus zeamais Mots. on irradiated macaroni and maize. (CENA-BC – 039) 354797
Sterilization and lethal gamma radiation doses on adults and eggs of Sitotroga Cerealella (OLIVIER). (CENA-BC – 028) 354798
Wienhard, K.
A comparative study of the giant dipole resonance of sup(24,26) Mg with special emphasis on the proton decay channel. 364617
Structure in the giant dipole resonance of ^{16}O: Evidence for a secondary doorway state from polarized-proton capture. 366968
Wienhold, C.
Tracerkinetic investigations on isomerization and synthesis of C^8-aromates. 2. 372954
Wienhold, P.
Additional recovery of copper around 200 K after 0.5 MeV electron irradiation. 375960
The first wall of a fusion reactor under the influence of atomic hydrogen. 368910
Origin of impurities in hydrogen plasmas. (Juel – 1448) 368938
Wienke, B.R.
Elastic neutron scattering from distributed fusion neutrons, deuterium, tritium, lithium, and multigroup rate coefficients. 356666
Hydrogen transport in a two-dimensional torodial plasma. 377569
Wienke, C.L.
Geology and hydrology in the vicinity of the inactive uranium mill tailings pile, Ambrosia Lake, New Mexico. (LA – 6839-MS) 349900
Wiens, E.
Reactor technology. (KFK – 1277/2) 371061
Wierman, R.W.
Hydrogen jet recombination under postulated LMFBR accident contitions. 352306, 363043
Wiesberg, L.H.G.
^{13}C isotopic labelling in trees. 379154
Wiese, H.
Synchrotron radiation and galactic field configurations. 369114
Wiese, J.
Rotational spectrum, electric dipole moment, quadrupole coupling, and partial r_0-structure of 3-cyanothiophene. 353384
Wiese, L.L.
Time- and space-resolved spectroscopic studies of electrical breakdowns in an argon-hydrogen mixture. 366657
Wiesemann, K.
Observation of spatial wave echoes at the lower hybrid mode. 353578
Wiesendanger, M.
Quality assurance during operation of a nuclear plant. 352961
Wieser, E.
On the conductivity transition in V_3O_5. 371572
Wiesinger, F.
Preparation of ^{131}J-labelled diphenylhydantoin and its organ distribution in rats. (SGAE – 2701) 354393
Preparation of diphenylhydantoin labelled with ^{131}I and its organ distribution in rats. (SGAE – 2642) 373009
Synthesis and ^{131}I-labelling of 6β-^{131}I-Iodomethyl-19-Norcholest-5(10)-en-3β-ol (6β-^{131}I-Iodomethyl-Cholesterol) for Adrenoscintigraphy. (SGAE – 2611) 373008
Wiesner, J.
Cooperation with JINR in solving the inverse problem of scattering theory. 366946
Solution of the inverse problem for the case of Coulomb scattering. 353863

Wiesner, L.
Salzbourg 1977. 355711
Wiesner, S.
Licensing aspects in the verification of the SNR 300 design concept against hypothetical accidents. (CONF-761001 – P1) 362966
Wieteska, K.
X-ray investigation of structure changes in surface layer of silicon single crystals bombarded by 5 MeV α-particles. 370224
Wiewiorowski, T.K.
Improved process for recovery of uranium from wet process phosphoric acid. 369770
Wiffen, F.W.
Positron-annihilation investigation of high-temperature neutron-irradiated molybdenum. 354612
Radiation effects in structural materials for fusion reactors. 373115
Recovery of tritium from solid Li-Al and sintered aluminum product (SAP) blanket materials. 377554
Small-angle neutron scattering of reactor-irradiated niobium. (CONF-771031 – 7) 364614
Unique role of HFIR in fusion reactor materials evaluation. 358981
Wigger, L.W.
The interaction between impurity atoms and point defects in Si. (INIS-mf – 4267) 377317
Wiggers, L.W.
Backscattering measurements of the temperature dependence of irradiation-induced displacement of As and Sb atoms in Si crystals. 370223
Wiggin, E.A.
The role of nuclear power in meeting future US energy needs. 366155
Wiggins, P.F.
Beryllium-reflected coal analytical assembly using ^{252}Cf neutron-capture gamma rays. 378107
Wiggli, U.
Isotope cisternography and computertomography for the diagnosis of hydrocephalus aresorptions. (INIS-mf – 4010) 357697
Wight, L.
Evaluation and assessment of nuclear power plant seismic methodology. (UCRL – 52236) 357733
Wight, L.H.
Analysis of Diablo Canyon site response spectra. (UCRL – 52263) 357735
Wigley, T.M.L.
Climatic interpretation of delta^{18}O and deltaD in tree rings, and replies from Wilson, A.T.; Gray, J.; Thompson, P.; Libby, L.M.; Pandolfi, L.J. 367392
Wigmore, G.
Stress corrosion cracking in an 8% manganese austenitic steel. 349511
Wigzell, H.
Bone marrow transplantation immunology. 370372
Wiik, B.
Physics with very high energy e^+e^- colliding beams. (CERN – 76-18) 375013
Wiik, B.H.
e-p facility in the CERN SPS. 363160
Evidence for the F meson. 353947
Measurements of tau decay modes and a precise determination of the mass. 372505
On the origin of inclusive electron events in e^+e^- annihilation between 3.6 and 5.2 GeV. 353772
On the semileptonic decay of charmed hadrons. 356496
Physics with large electron-proton colliding rings. (DESY – 77/38) 353982
Wiita, P.J.
Models for extragalactic double radio sources. 372301
Wijker, H.
Planning of combined external irradiation and internal contamination to reduce dose in nuclear power plant operations. 355058
Wijkstra, J.
Industrial applications of activable tracers. 375244
Wijn, H. de
Field dependeny of the ^{19}F(II) nuclear spin-lattice relaxation in the two-dimensional anti ferromagnet K_2MnF_4. (INIS-mf – 4267) 377315
Wijnaendts van Resandt, R.W.
Differential cross section for collision of alkali ions and atoms, ch. 5. (INIS-mf – 4090) 366381
Differential cross sections for collisions of alkali ions and atoms. (INIS-mf – 4090) 366043, 366381, 366382, 366382
Differential scattering cross sections for collisions of alkali ions and atoms. II. 361404
A position dependent particle counter using microchannel plates, ch. 2. (INIS-mf – 4090) 366043
The shadow of an atom. (INIS-mf – 4267) 377145
Wijnakker, M.M.B.
Gas turbulence, a stationary rotating gas-plasma system. (INIS-mf – 4267) 377570
Wijngaarde, R.
Technetium scanning in orbital disease. 365484
Wijngaart, C.A. van der
Research with the 4 MV accelerator, ch. 2. (INIS-mf – 3629) 362056
Wikdahl, C.E.
Handling waste at Swedish nuclear power plants. 368403
Wiklander, U.
Coastal gneiss in Blekinge, geology and hydrogeology. (KBS-TR – 25) 363673
Wiktor, S.
Application of shell model with the modified surface delta interaction to ^{42}Ca and ^{42}Sc nuclei. (INP – 883/PL) 372626
Octupole-strength concentration observed in α-scattering on ^{27}Al. 372792
Wilberg, A.
Ion-plating and vapour deposition of steel substrates with copper in a technical vacuum equipment. 368905
Wilbert, W.P.
Preliminary study of uranium favorability of the Wilcox and Claiborne Groups (Eocene) in Texas. (GJBX – 7(78)) 378886
Wilbourn, R.G.
Safety aspects of solvent nitration in HTGR fuel reprocessing. (GA-A – 14372) 362347
Wilchek, M.
Mapping of 23-S rRNA at the ribosomal peptidyl-transferase center by photo-affinity labeling. 352129
Wilcke, R.
Compilation of pion photoproduction data. 351226
Wilcke, W.
Energy dissipation, mass diffusion and interaction times for heavy ion collisions. (COO – 3496-63) 364784
Wilcock, D.F.
Diagnosing malfunctions in liquid sodium hydrostatic bearings. 371060
Wilcomb, B.E.
Crossed molecular beam study of the endoergic reaction $Hg+I_2 \rightarrow HgI+I$ from threshold to 2.6 eV (c.m.). 366356
Determination of state resolved rotationally inelastic cross sections: LiH(j = 1) – Ar. 366383
Wilcox, D.P.
Environmental report No. 22, January – June 1977. (NP – 22643) 378948
Wilcox, J.M.
Comparison of Hα synoptic charts with the large-scale solar magnetic field as observed at Stanford. 372153
The mean magnetic field of the Sun: observations at Stanford. 366750
A synoptic approach to Sun-weather investigations. 354729
Wilcox, W.J. Jr.
Global perspective on the nuclear fuel cycle. (ANL – 77-XX-62) 363067
Uranium enrichment: a review of the present world status: capacity, technology, and plans. (K/TD – 362) 365653
Wilcox, W.W.
Determination of sound velocity in liquid metals at temperatures above 4000 K. (UCRL – 79322(Rev.1)) 351746
Wilcsek, R.J.
An immunoglobulin E assay using radiolabelled Fab' and ammonium sulfate. 370515
Wilczek, F.
Discrete flavor symmetries and a formula for the Cabibbo angle. 356471
Possible new species of quarks and hadrons. 359325
Rare muon decays, heavy leptons, and CP violation. 351199
Sum rules for spin-dependent electroproduction – test of relativistic constituent quarks. 369336
Wilczynski, J.
Macroscopic aspects of heavy-ion reactions. (INP – 900/PL) 372831
Wild, E.
Reactor technology. (KFK – 1277/2) 371061
Wild, H.
Activity release and transport in a core meltdown accident. (AED-Conf – 76-699-009) 360410
Experiments on the determination and limitation of fission and activation product release during core meltdown. (KFK – 2435) 357726
Experiments to detect the release of fission and activation products during core meltdown. 370523
Wild, J.F.
New isotope of curium: ^{251}Cm. (BNL-NCS – 22500) 356829
Search for superheavy elements in the bombardment of ^{248}Cm with ^{48}Ca. 351372
Wild, R.K.
The early stages of the oxidation of a 9% chromium steel in carbon dioxide studied by Auger electron spectroscopy. 357183
Wild, W.
Nuclear forces and nuclear structure. Pt. 1. 364726
Nuclear forces and nuclear structure. Pt. 2. 364725
Theory of finite Fermi systems and applications to the lead region. 354115
Wilde, H.R.
A quadrupole-focusing time-of-flight mass spectrometer. 366062
Wilde, J. de
The lineshape of ultrasonic quantum oscillations; the anomalous behaviour of the ultrasonic absorption, ch. 3. (INIS-mf – 4197) 371700
The strain dependences of the Fermi surfaces of indium and aluminium, ch. 4. (INIS-mf – 4197) 371701
Wildenthal, B.H.
The ^{40}Ca(α,d)^{42}Sc reaction. 372797
Spectroscopy of ^{16}C. 356762
Wilder, D.R.
Refractories based on $3Er_2O_3 - Ta_2O_5$. 360036
Wilding, I.G.P.
Geochemical Exploration 1976. 373396, 373399, 373402, 373420, 373423, 373424, 373429, 375967
Wildmeister, W.
Radioimmunological measurement of digoxin levels in serum for

the assessment of therapeutically active administered digoxin. (INIS-mf – 4010) 370516
Radioimmunological measurement of the digoxin level in order to determine the therapeutically effective digoxin dose. 367718
Wildner, E.
Investigation of groundwater flow with the aid of indium-EDTA-complex using neutron activation for the determination of the tracer. 372836
Wildsmith, D.P.
Energy, water and tritium budgets for Perch Lake: 1975. (AECL – 5717) 360180
Wildung, R.E.
Biological availability of energy related effluent material in the coastal ecosystem. (BNWL – 2100(Pt.2)) 362931
Relationship of microbial processes to the fate and behavior of transuranic elements in soils, plants, and animals. (PNL – 2416) 378887
Wiley, A.L. Jr.
Preliminary clinical imaging studies with ^{18}F-5-fluorouracil. (INIS-mf – 4010) 357627
Wilgen, J.B.
Relation of neutral beam injection to impurity behavior and extension of plasma parameters in ORMAK. (INIS-mf – 3963) 371934
Wilham, G.
Thermal conductivity of 1 MeV electron-irradiated Al_2O_3 between 1 and 70 K. 373387
Wilheimy
Evaporation residues from the (^{7}Li,α) reaction on ^{197}Au and ^{232}Th. (BNL-NCS – 22500) 356727
Wilhelm, H.
Investigations of the operational behaviour of LWR cladding tubes made of ZrNb3Sn1. 371071
KNK-II design with regard to neutron physics and thermohydraulics. 370806
The layout of the KNK-II reactor core. 376570
Nuclear reactor component made of zirconium or a zirconium alloy. (German (F.R.) patent document 1903009/B/) 349539
Nuclear start-up of KNK-II. 371047, 371048
Wilhelm, J.G.
Ageing and poisoning of iodine sorption materials. (KFK – 2435) 357920
Development of exhaust air filters for reprocessing plants. (KFK – 2435) 357919
Equipment for exchanging mechanical filter units in cleaning of filter walls used in cleaning air or gas, accessible in a channel, particularly for nuclear plant. (German (F.R.) patent document 2419150/C/) 367934
In situ testing of large aerosol filters – Operating experience and extension of the application of the test method to include simulated LWR nuclear accident conditions. 360527
Wilhelm, M.
Development of high field superconductors. Final report, September 1974. (N – 77-14893) 362356
Wilhelm, R.
Toroidal confinement with reduced energy losses in Belt-Pinch IIa. (INIS-mf – 3963) 371743
Wilhelm, R.V. Jr.
MgO – Y_2O_3-stabilized ZrO_2 ceramics in exhaust gas sensor. 362508
Wilhelm, W.
Measurement of the Coulomb capture ratio of muons in twenty oxides of medium and heavy elements. 362050
Wilhelmi, M.
Employment of a completely automated mass spectrometer in fissile material control. (KFK – 2319) 371294
Wilhelmsson, H.
Evolution in space and time of two interacting intensities. 366658
Interpretation of enhanced laser-plasma backscattering due to prepulse radiation. 366493
Space and time evolution of two nonlinearly coupled variables. (IPPJ – 273) 353604
Theory for space-time evolution of explosive-type instability. (IPPJ – 276) 353653
Wilhelmy
Simulation of (n,p) cross sections using charged particle reactions. (BNL-NCS – 22500) 356726
Wilk, S.F.J.
Merged electron-ion beam experiments. 366315
An observation of optical transition radiation from 29MeV protons crossing a vacuum-to-metal interface. 353423
Wilken, T.
Reduction of blue tungsten oxide. 362509
Wilkening, M.
Radon levels and ventilation effects in underground enclosures. (HASL – 325) 378949
Wilkerson, C.L.
Geochemical ocean sections study (GEOCECS). Chemistry of ocean solutions. (BNWL – 2100(Pt.2)) 362137
Leaching of radionuclides from neutron-activated talc in serum and in dilute hydrochloric acid. 376144
Wilkerson, S.
Spectral development of Nova Cygni 1975. 351086
Wilkes, P.B.
A 480-channel lead glass Cherenkov detector. 355498
Wilkins, D.C.
Gravity, quantum theory and the evaporation of black holes. 374986
Rotating model for radiation and radiation-reaction force of a freely-falling charge. 355851
Wilkins, M.L.
Computer simulations of high pressure systems. (UCRL – 79591) 363115
Wilkins, S.C.
Embedded cladding surface thermocouples on Zircaloy-sheathed heater rods. (TREE-NUREG – 1072) 352664
Wilkinson, A.L.
The application of the Hammett equation to ^{13}C n.m.r. spectrometry. 355992
Wilkinson, B.A.
The in-situ testing of high efficiency particulate filters in the CEGB south eastern region nuclear power stations. 360517
Wilkinson, C.
The magnetic structures of $NiWO_4$ and $CoWO_4$. 353503
Wilkinson, D.
Monopole bound states. An SU(4) example. 353169
Spherically symmetric monopoles. 363858
Wilkinson, D.H.
Where is the atomic nucleus going. 356667
Wilkinson, P.N.
Radio structure of 3C147 determined by multi-element very long baseline interferometry. 356346
Wilkniss, P.E.
The continental component of a Pacific Marine aerosol. 375304
Will, E.
Evidence for rotational band structures in the N = 88 nulide ^{153}Tb. (ZfK – 336) 364834
Investigation of high-spin states and decay of an 11/2$^-$ isomer in ^{151}Tb. (ZfK – 336) 364789
Investigation of isub(13/2) excitations in ^{197}Hg and ^{191}Pt. 372774
Investigation of the $i_{13/2}$ excitation in ^{197}Hg. (ZfK – 336) 364790
Proton-neutron excitations on the high-spin states of ^{95}Tc. 367013
Rotational bands and a high-spin isomer in ^{178}Ta. (ZfK – 336) 364765
Will, G.
Magnetic structure and magnetic properties of TbMg. 362479
Neutron diffraction investigation of ferromagnetic TbB_2. 361483
Quasi-rotational bands in ^{80}Kr. (ZfK – 336) 364769
X-ray energy-dispersive diffractometry using synchrotron radiation. 353408, 361429
Will, G.O.
The antiferromagnetic structure of $TbMg_3$. 362480
The magnetic structure of $ErFe_4Al_8$ and $TbFe_4Al_8$. 362372
Will, H.
Explosion tests on LMFBR-core models; an evaluation for reactor safety. (CONF-761001 – P3) 365624
Transient deformation of LMFBR cores due to local failure: experimental and theoretical investigation. 374237
Will, M.
Calculation of caesium and strontium release from the AVR reactor and comparison with the VAMPYR measurements for the operating period from 1968 to 1975. 370995
Fission product release from coated particles embedded in spherical fuel elements for high-temperature reactors. 365916
Will, R.
Pliers for gripping objects. (German (F.R.) patent document 2537005/A/) 367950
Will, W.
On the evaluation accuracy of thermoluminescent dosemeters for personnel and environmental dosimetry. 374368
Willard, D.H.
Accumulation and distribution of ^{85}Kr in rats exposed to ^{85}Kr atmospheres. (BNWL – 2100(Pt.1)) 360360
Disposition of ^{85}Kr in gravid rats. (BNWL – 2100(Pt.1)) 360297
Preliminary studies in sheep exposed to ^{85}Kr atmospheres. (BNWL – 2100(Pt.1)) 360298
Retention of ^{85}Kr in the rat and beagle dog. (BNWL – 2100(Pt.1)) 360361
Willard, H.B.
Program in medium energy nuclear physics research. Technical progress report, 1 September 1976 – 30 November 1977. (COO – 2146-11) 362112
Willax, H.
SIN accelerator, operational experience and improvement programs. 363267
Willby, C.R.
Heat exchangers. (UK patent document 1495654/A/) 376568
Willcutt, G.J.E. Jr.
CHAP: a composite nuclear plant simulation program applied to the 3000 MW(t) HTGR. (LA-UR – 77-1757) 358264
Wille, F.
The influence of retardation effects in very heavy ion collisions. 353289
The influence of retardation effects in very heay ion collisions. 377055
Wille, H.
Method for ultimate storage of radioactively contaminated filter cartridges or filter elements. (German (F.R.) patent document 2546428/A/) 355634
Plant engineering experience with primary water purification plants in nuclear power stations with pressurised and boiling water reactors. 365900
Wille, K.
PETRA control system. 363228
Wille, U.
Approximate closed-form solution of a two-state model for rotationally induced excitation in atomic collisions. 374615
Willen, E.H.
Tables of particle fluxes. (BNL – 23493) 379521

Willenberg, H.J.
Analysis of a slender solenoid plasma during thermonuclear burn. 372089
Willerson, J.T.
Radionuclide cardiography as a determinant of cardiac performance for patients in a cardiac intensive care unit. 354962
Willett, G.W.
Versatile real-time interferometer phase-detection system using high-speed digital techniques. (UCRL - 79613) 374843
Willett, J.B.
A search for the reported 400-keV γ-ray line from Crab Nebula. 356279
Willett, J.E.
Sum-frequency excitation of electron plasma waves. 372090
Willey, R.S.
Nonlinear-sigma-model Pade calculation of ππ phase shifts. II. 372386
William, K.J.
The conversion of SMART I. 376423
Finite element calculation of prestressed-concrete reactor vessels. 376422
Williams-Norton, M.E.
Study of the low-lying levels in ^{47}Ca with the ^{48}Ca(d(pol),t)^{47}Ca reaction. 367012
Williams, B.D.
Immunoradiometric assay of salivary anti-C3 antibodies. 365485
Williams, C.D.
Effect of interconfigurational fluctuations on superconducting magnetic alloys. 359900
Structural component made of a zirconium alloy and heat treatment process for it. (German (F.R.) patent document 2607146/A/) 351725
Williams, D.
Microprocessors help in control and beam observation at the CERN PS booster. 363151
Williams, D.A.
The chemistry of interstellar nitrogen. 372238
Interstellar nitroxyl. 369182
Model for surface reactions on interstellar grains - a numerical study. 372237
Williams, D.C.
Importance of scale and triggering effects in vapor explosions. (SAND - 77-1101C) 370626
Williams, D.E.
Ultra purification of metals by electrotransport under outer space environmental condition. Final report, April 1, 1974 - September 30, 1976. (IS - 4125) 373985
Williams, D.F.
Carbon isotopic compositions of recent planktonic foraminifera of the Indian Ocean. 373448
Williams, D.J.
Evidence for very weak pitch angle diffusion of outer zone electrons. 370302
Williams, D.L.
Field procedure for quantitative assessment of gamma cameras. 379911
A high resolution positron annihilation study of the Fermi surface of αphase CuGe. 377244
Myocardial imaging with ^{201}Tl at rest and during exercise. Comparison with coronary arteriography and resting and stress electrocardiography. 352124
Myocardial imaging with thallium-201: an experimental model for analysis of the true myocardial and background image components. 357647
Williams, D.N.
The Euclidean loop expansion for massive lambda PHI$^4_4$: through one loop. 363859
Williams, D.T.
Improvements in or relating to vessels. (UK patent document 1486239/A/) 360836
Measurement of the polarization parameter for antiproton-proton annihilation into charged pion and kaon pairs between 1.0 and 2.2 GeV/c. 353949
A 480-channel lead glass Cherenkov detector. 355498
Williams, E.D.
Measurement of neutron fluence in total body in vivo neutron activation analysis. 349191
Williams, E.G.H.
A detector for high-energy neutrino interactions. 379899
Is there a high-y anomaly in antineutrino interactions. 351222
Like-sign dimuon events produced in narrow-band neutrino and antineutrino beams. 356512
Measurement of the neutral to charged current cross section ratio in neutrino and antineutrino interactions. 361888
Observation of a neutrino event with four energetic muons. 372525
Observation of trimuon events produced in neutrino and antineutrino interactions. 356511
Study of inclusive neutral current interactions of neutrinos and antineutrinos. 369377
Williams, E.H.
Nuclear magnetic resonance study of ligand exchange on dioxopentakis(trimethyl phosphate)uranium(VI) ion and its triethyl phosphate analogue. 378461
Williams, E.J.
Translocation of ^{11}C from leaves of Helianthus: preliminary results. 360388
Williams, E.S.
Radiation dosimetry in the routine medical investigation patients using radiopharmaceuticals. 365645
Williams, E.T.
Nuclear and radiochemical techniques in chemical analysis. Progress report, August 1, 1976 - July 31, 1977. (COO - 3126-37) 375263
Williams, F.
Electron spin resonance spectrum of $[(MeO)_3B.B(OMe)_3]^-$. A novel sigma radical with a one-electron bond. 378517
Electron spin resonance studies of electron attachment to fluorocarbons and related compounds. 357150
Williams, G.R.J.
Electron ionization spectroscopy of acetylene: momentum distributions of the valence orbitals. 353224
Investigation of (e,2e) knockout reactions via molecular electronic structure calculations. 371542
Williams, H.H.
Charm and strange particle production in neutrino interactions. 353950
Observation of elastic neutrino and antineutrino scattering and parity violation in the weak hadronic neutral current. 353995
Williams, H.K.
System 80 NSSS steam generator design. 370945
Williams, H.P.
Spectrophotometric determination of ruthenium using 1-pentyl 4,6-dihydroxy-5-nitrosopyridine-3-carboxylate. 375341
Williams, H.T.
Separation of the ΔΔ and NN components of the deuteron by the kinematics of high energy πD reactions. 364487
Williams, J.
The effect of planar oscillations on the impurity yield in the backscattered H^+ spectrum: -Bi^+ and Sb^+ implanted silicon. (INIS-mf - 3996) 364144
Fast-reactor fuel reprocessing in the United Kingdom. 367188
Half-life of ^{239}Pu by two independent methods. 351375
Williams, J.E.C.
Compact high-field ignition test reactor (HFITR) using bitter magnets. 377375
Williams, J.F.
Electron scattering by atoms and molecules. 371467
Williams, J.G.
Automatic fission track counting using the Quantimet 720. 368272
Williams, J.L.
Microprocessor assisted ESR measurements of radical concentrations in polymers. 365054
Williams, J.M.
Progress in fusion technology. 377571
Williams, J.S.
Effect of planar oscillations on implanted distributions measured by low-angle He^+ backscattering. 377314
Williams, K.A.
TRAC: a new code for LOCA analysis. (LA-UR - 77-1700) 352285
Williams, K.E.
The pinocytosis of ^{125}I-labelled poly(vinylpyrrolidone), [^{14}C]sucrose and colloidal[^{198}Au]gold by rat yolk sac cultured in vitro. 360337
Williams, K.R.
Projected energy requirements up to the year 2000. 358555
Williams, L.D.
Analytic methods for fuel-cycle safety studies. 379332
Risk of transporting plutonium dioxide and liquid plutonium nitrate by truck and rail. 350046
United States experience in the transport of radioactive materials. 367952
Williams, L.E.
Computers. A perspective on their usefulness in nuclear medicine. 355696
Williams, L.R.
Application of an advanced shielding analysis system to gas-cooled fast reactor designs. (CONF-770401 - 30) 360963
Williams, M.A.
Preparation of Electron Microscope Autoradiographs, ch. 4. 373697
Williams, M.D.
Uranium plasma emission at gas-core reaction conditions. (CONF-760646 -) 374147
Williams, M.L.
Fang angular folding code for channel theory analysis. (ORNL/TM - 5228) 365819
Williams, M.M.R.
The effect of anisotropic scattering on the critical slab problem in neutron transport theory using a synthetic kernel. 354015
A fluctuation problem in particle transport theory. II. 361324
On the role of the adjoint Boltzmann equation in the calculation of energy deposition. 358907
A stochastic theory of particle transport. 360130
Williams, N.
Physical separation of the cycling and noncycling compartments of murine hemopoietic stem cells. 370376
Williams, P.
Nucleon separation and pairing energies, decay energies and atomic masses for 68 <= Z <= 72. 359523
Precise single neutron separation energies of Ti, Fe, and Zn. 356694
Williams, P.C.
The RBE of megavoltage photon and electron beams. 379048
Williams, P.M.
The evolution of the elements. 369234
The young cluster NGC 5367 and A1353-40. 349037
Williams, P.W.
Prediction method by black box modelling. 363631
Williams, R.
Secure storage of radioactive waste. 352848, 374426

Williams, R.E.
Gaseous nebulae. 372302
Williams, R.J.
Improved estimates of continuous absorption from the free-free transitions of C^-. 356261
Scattering of slow electrons by Si. 353275
Williams, R.L.
Circuit designs for measuring reactor period, peak power, and pulse fluence on TRIGA and other pulse reactors. (SAND – 77-0462) 358318
Reliability engineering, why do we need it. 379565
Williams, R.O.
Phase stability diagrams for complex alloys. 351819
Williams, R.S.
Thermally induced breakdown of the direct-transition model in copper. 351820
Williams, S.H.
A simple description of the Jsup(P) = $1^+K^-\pi^+\pi^-$ system in the reactions $K^-p \rightarrow K^-\pi^+\pi^-p$. 353779
Williams, T.M.
The void-swelling behaviour of solution-treated FV548 stainless steel irradiated with 22 MeV C^{2+} and 46.5 MeV Ni^{6+} ions and the influence of heat-treatment. 370244
Williams, W.
Cooperative outage management: a utility/vendor team approach that improved plant availability. 358228
Elctron impact excitation of the electronic states of N_2. I. Differential cross sections at incident energies from 10 to 50 eV. 358720
Electron impact excitation of the electronic states of N_2. II. Integral cross sections at incident energies from 10 to 50 eV. 358721
Experimental and theoretical study of electron impact excitation of Cu. 358845
Impact of containment design on nuclear plant availability. 370931
Williams, W.D.
Study of hydrogen self-diffusion in NbH/sub x/ using a new pulsed gradient pulsed NMR technique. 362510
Williams, W.P.
Geologic effects of the long shot explosion, Amchitaka Island, Alaska. (USGS – 474-245) 352397
Williamson, B.R.J.
Clinical evaluation of the Cleon imager. 374369
Williamson, F.O.
A small, low background proportional counter. 379961
Williamson, F.S.
Dose-effect relationships for fife shortening, tumorigenesis, and systemic injuries in mice irradiated with fission neutron or ^{60}Co gamma radiation. 354765
Williamson, H.E.
Channel follower leakage restrictor. (US patent document 4,035,233/A/) 363467
Fuel element assembly. (German (F.R.) patent document 2626487/A/) 352645
Williamson, K.
Experiments on the properties of superfluid helium in zero gravity. 359207
Williamson, K.D. Jr.
Material end-plugging for the Scylla IV-P linear theta pinch. (LA-UR – 77-2453) 377418
Williamson, M.A.
Mica fission detectors. (UCID – 17563) 363601
Williamson, R.
The storage of inert gases in a metallic matrix by combined ion implantation and sputtering. 380074
Williamson, S.
Assessment of leakage of radioactivity from irradiated oxide fuel transport flasks. 350018
Williamson, W. Jr.
Electron impact 1s → 2s excitation of atomic hydrogen in the exchange-corrected eikonal approximation. 353240
Williamson, W.S.
Ion extraction system study. Final report. (UCRL – 13737) 360556
Williford, R.E.
Effects of fill-gas composition and eccentric gap geometry on gap conductance of UO_2 fuel rods. 352496
Method for determining the uncertainty of gap conductance deduced from measured fuel centerline temperatures. (BNWL – 2091) 374201
Willis, A.G.
Identifications from the WSRT deep surveys. 366712
Spectral index studies of extragalactic radio sources. 366713
Westerbork surveys of radio sources at 610 and 1415 MHz. 366780
Willis, B.L.
Multikilojoule CO_2 laser heating of polythene pellets. (INIS-mf – 3963) 372080
Willis, B.T.M.
A neutron diffraction study of the wavelength dependence of extinction in UO_2. 373325
Willis, C.
Radiation chemistry of acetylene at high intensity: the initial product distributions. 362289
Willis, C.A.
Educationg senior management: a special problem in nuclear technology transfer. 352624
Willis, D.M.
Large-amplitude standing planetary waves induced in the troposphere by the Sun. 373461
Willis, R.F.
Detection of surface complexes by HRELS: C_2H_2 on W(110). 369900
Infrared vibration spectroscopy of molecular adsorbates on tungsten using reflection inelastic electron scattering. 362371
Rehybridization of C_2H_2 chemisorbed on W(110). 378206
Surface resonance in secondary-electron emission from tungsten crystals. 370075
Willis, W.
Physics with very high energy e^+e^- colliding beams. (CERN – 76-18) 375013
Willis, W.J.
The cross section for the production of massive electron pairs and the UPSILON(9.5 GeV) in proton-proton collisions at the CERN ISR. 369367
Interaction regions with small source size. (BNL – 50611) 358401
Study of photons produced simultaneously with the J/psi particles at the CERN Intersecting Storage Rings. 377794
Willitts, T.R.
New limits for the exotic exchange reaction $\pi^-p \rightarrow K^+\Sigma^-$ at 5 and 8 GeV. 372515
Willke, T.L.
Comparison of advanced reactor potentials. 379699
Simulation of the plutonium economy using the NEEDS model. 361169
Willkomm, A.
Age determination of sediments by ^{210}Pb using a plastic detector technique. 367370
Willmann, P.A.
Plasma production and flow in ion beams. (UCID – 17559) 364205
Willmore, A.P.
Recent transient X-ray sources. 369235
Willocx, J.
Investigations into the possibility of final disposal of radioactive wastes in an underground clay formation. 358520
Willoughby, A.F.W.
A comparison of the interactions between sequential Ga-P and Ga-As diffusions in silicon. 370169
Willrich, M.
Physical security in multinational nuclear-fuel-cycle operations. 374507
Wills, B.T.M.
The defect structure of hyper-stoichiometric uranium dioxide. 370120
Wills, J.G.
Quark model calculation of the mass spectrum of charmed mesons. 359275
Relativistic Coulomb effects in pion scattering. (RLO/1388 – 362) 372601
Willutzki, H.-J.
Observation of trimuon events produced in neutrino and antineutrino interactions. 356511
Willutzki, H.J.
A detector for high-energy neutrino interactions. 379899
Measurement of the neutral to charged current cross section ratio in neutrino and antineutrino interactions. 361888
Observation of a neutrino event with four energetic muons. 372525
Study of inclusive neutral current interactions of neutrinos and antineutrinos. 369377
Willutzki, J.
Like-sign dimuon events produced in narrow-band neutrino and antineutrino beams. 356512
Willvonseder, R.
Comparison of concentration rates of calcium and pyrophosphates in bone. (INIS-mf – 4010) 357619
Willwater, R.
Backbending behaviour of rotational bands in ^{163} ^{165} ^{167}Yb. 362094
Backbending behaviour of rotational bands in ^{163}Yb, ^{165}Yb and ^{167}Yb. (ZfK – 336) 364820
In-beam-spectroscopy of subnanosecond delayed conversion electrons with a new recoil shadow technique. (ZfK – 336) 364738
Positron production in superheavy ion-atom collision systems. 376966
A search for positron emission from atomic collision processes. (ZfK – 336) 364737
Wilmore, D.
Irradiation performance analysis of UK fast reactor fuel. 379731
Wilmot, W.
A numerical model of the effects of reactor cooling water on fjord circulation. Part 1. (SMHI-RHO – 6(Pt. 1)) 376037, 376038
Wilmunder, A.R.
Microprocessor controller for phasing the accelerator. 363260
Microwave developments at SLAC. 363216
Wilsch, H.
Experimental evidence of channel coupling in the diffraction of gas atoms from crystal surfaces. 368802
Wilska-Jeszka, J.
Some effects of ionizing radiation on aqueous solutions of thiamine. 375722
Wilson, A.E.
Asymmetry effects in fluid flow measurements using pulsed-neutron activation. 378160
Wilson, A.T.
The D/H ratio of cellulose as a biochemical thermometer: a comment on 'Climatic implications of the D/H ratio of hydrogen in C-H groups in tree cellulose' by S. Epstein and C.J. Yapp. 362623
Wilson, C.L.
World energy prospects to the year 2000. 366156
Wilson, C.N.
In-reactor behavior of materials used to control fuel-cladding

chemical interaction. (HEDL-SA – 1268) 368242
Wilson, D.
Prospects for the development of disease-resistant temperate fruit plants by mutation induction. 373705
Wilson, D.C.
Three dimensional solar corona: a coronal streamer. 361753
Wilson, D.F.
Application of a superconducting susceptometer to biological samples. 367924
Wilson, D.G.
Analytical models and experimental studies of centrifugal pump performance in two-phase flow. Key phase report. (EPRI-NP – 170) 367801
Mathematics and Statistics Research Department progress report for period ending June 30, 1977. (ORNL/CSD – 27) 358598
Wilson, D.W.
Evaluation of regional effects of effluents from uranium production in New Mexico. (UCRL – 13803) 378950
Wilson, E.J.N.
Lattice of the SPS. 363367
Non linear fields in the SPS and their compensation. 363196
Wilson, G.V.H.
Radiative detection of single-phase and spin-echo nuclear magnetic resonance. 356074
Wilson, H.S.
Isospin-symmetry-hindered branch of ^{42}Sc β-decay. 372767
Wilson, H.W.
Implications of fuel performance on plant maneuvering. 358227
TACO: fuel pin performance analysis. (BAW – 10087A(Rev.1)) 373869
Wilson, I.D.L.
Radioastronomical frequency for interstellar NH^+. 369236
Wilson, J.
Radiation-induced enlargement of granulocytic and macrophage progenitor cells in mouse bone marrow. 357581
Wilson, J.C.
Electron impact studies. CXVII. 378217
Radiation sensitive polymers of oxygen-substituted maleimides and elements containing same. (US patent document 4,052,367/A/) 373102
Wilson, J.F.
Electric hydrogen recombiner LWR containments. Supplemental test number 2. (WCAP – 7820(Suppl.7)) 373879
Wilson, J.G.
A study of the arrival direction distribution of high-energy particles as observed from the Northern Hemisphere. 369068
Wilson, J.H.P.
First clinical exoerience with ^{131}I-Triolein and ^{75}Se-triether to estimate intestinal fat absorption from single fecal specimens. (INIS-mf – 4010) 367578
Wilson, J.R.
Automatic event tree construction. 352307
Magnetohydrodynamics near a black hole. 356347
Wilson, J.V.
Reliability estimation for multiunit nuclear and fossil-fired industrial energy systems. (ORNL/TM – 5837) 363433
Wilson, J.W.
Analysis of the theory of high energy ion transport. (N – 77-21018) 356558
A foil shielded flexible conduit. (UK patent document 1486445/A/) 365820
Implications of outer-zone radiations on operations in the geostationary region utilizing the ae4 environmental model. (N – 77-23045) 367543
Wilson, K.B.
Solution for remote handling in accelerator installations. 363175
Wilson, K.G.
Relativistically invariant lattice theories. 361325
Wilson, K.L.
Microstructure of high-dose multiple energy He^+ implanted stainless steel. 378817
Wilson, L.T.
Shock and vibration environments for large shipping containers on rail cars and trucks. (SAND – 76-0427) 352405
Wilson, L.W.
Non-peripheral collisions of heavy ions in nuclear emulsion. (LBL – 6562) 356780
Wilson, M.N.
Mechanical properties and the critical current in filamentary Nb_3Sn. 359949
A report on the Basque Superconducting Solenoid project. 360720
Stability of superconductors against localized disturbances of limited magnitude. 370721
Training behaviour of pressure-impregnated superconducting racetract magnets. 360718
Wilson, Mc.B.
Classical collisions of protons with hydrogen atoms. 371462
Wilson, N.M.
Boll weevils: sterility induced by ^{32}P tagging. 373535
Wilson, P.B.
Bunch lengthening due to potential well distortion from cylindrical cavities with beam ports. 363149
Comparison of measured and computed loss to parasitic modes in cylindrical cavities with beam ports. 363368
rf system for the PEP storage ring. 363132
Single bunch beam loading on the SLAC three-kilometer accelerator. 363280
Wilson, P.R.
The stability of a magnetic flux element in a horizontally stratified compressible plasma. 372303
Wilson, P.W.
The structures of fluorides. 359743
Wilson, R.
Calcium determination in bone by proton activation analysis. Progress report. (PB – 267211) 362798
Evidence of parity violation in neutron capture by ^{117}Sn. 362037
Individual and collective doses due to ^{41}Ar based on measured discharge rates from CEGB Magnox reactors. 370538
Nuclear liability and the Price – Anderson Act. 376842
Occupational doses in the Ontario Hydro nuclear power program. 355059
Partial body calcium determination in bone by proton activation analysis. 349161
Physics of liquid metal fast breeder reactor safety. 373880
Pressurized heavy-water reactor safety. (AECL – 5520) 365591
Risks from occupational radiation exposures in Ontario Hydro nuclear stations. 360485
A theoretical model for a high temperature displacement transducer. (CEGB-RD/B/N – 3936) 366063
Wilson, R.B.
Atmospheric gamma ray angle and energy distributions from 2 to 25 MeV. 360208
Evidence that cosmic γ-ray bursts are galactic. 374985
Wilson, R.E.
AK Herculis – an atypical W UMa-type system. 372308
Criticality safe tank design analysis. 360703
Effect of high external thermal loading on LMFBR subassembly integrity. (CONF-770807 – 38) 365606
Measurement of surface multiplication: an index of criticality for far subcritical assemblies. 363393
Nuclear power security problems and solutions. 352308
Wilson, R.H. Jr.
The orbit of LDS 720BC = CD-32°16135. 372304
Wilson, R.R.
Tevatron. 365759
Wilson, S.
How do quarks get confined in fields. 371447
Wilson, S.R.
K-shell x rays of selected elements from Nb through Gd for incident protons and alpha particles from 0.6 to 2.4 MeV. 358853
Wilson, T.
Tornado structure interaction: a numerical simulation. (UCRL – 52207) 352625
Wilson, V.W.
Applications of prompt particle spectrometry to studies of tinplate surfaces. 364904
Wilson, W.B.
Fission product data for thermal reactors. Final report. Part I. A data set for EPRI-CINDER using ENDF/B-IV. (EPRI-NP – 356(Pt.1)) 367997, 367998
Fission product data for thermal reactors. Part 2. Users manual for EPRI-CINDER code and data. (LA – 6746-MS) 379529
Wilson, W.E.
Energy and angular distributions of electrons ejected in the ionization of SF_6 and TeF_6 by fast protons. 366377
Method for calculating single-event distributions for point source alpha emitters. (BNWL – 2254) 364641
Wilson, W.H.
A 1500-MW(e) HTGR nuclear generating station. 379706
Wilson, W.J.
Detailed structure of CO in molecular cloud complexes. I. NGC 6334. 364308
Lepton spectrum in the semileptonic weak decays of charmed mesons. 359326
Wilson, W.W.
Synthesis and characterization of the difluorotris (fluorosulfate of uranium (V): $UF_2(SO_3F)_3$. 365033
Wiltshire, C.
The effects of helium, sodium and other environments on the fatigue crack propagation characteristics of a stainless steel. 354551
Wilutzki, H.
Is there a high-y anomaly in antineutrino interactions. 351222
Wilvert, W.
Superconducting proximity effect in the strong-coupling limit. 356375
Winant, M.
Pre-therapeutic radiobiological experiments performed at Cyclone with d(50)-Be neutrons. Comparison of RBE/absorbed dose relationships obtained for several biological criteria. 379047
Winblad, A.E.
Engineered safeguards system activities at Sandia Laboratories for back-end fuel cycle facilities. (SAND – 78-0064C) 380136
Winbow, G.A.
Gray disks in perturbative Reggeon calculus. 359327
Wincel, K.
The effect of density deviation on concrete attenuation effectiveness. 376428
The tables of gamma-ray build-up factors for 29 elements. 375096
Winchell, H.S.
^{11}C-radiopharmaceuticals. (INIS-mf – 4010) 357126
Instability of Sn(II) reagents to oxidation and hydrolysis: stabilization with ascorbic and erythrobic acid. (INIS-mf – 4010) 369726
Method for the winning of the radioisotope $_9F^{18}$ in highly pure form and device to carry out this method. (German (F.R.) patent document 2321552/C/) 370673
Winchester, J.W.
Background aerosol composition in the Namib desert. (NPRU –

77/8) 354697
Wincierz, K.
Possibilities and limits of the application of surface activation in wear investigation of constructional parts. 373958
Windbuehl, E.
Accident report 1975/76. (KFK-EXT - 20/77-2) 376199
Windgassen, N.R.
PTFE seal for superfluid He. 352390
Windham, P.
Space disposal of nuclear wastes. Volume 1: socio-political aspects. (N - 77-24924) 366101
Space disposal of nuclear wastes: socio-political aspects. Volume 2. (N - 77-23914) 363672
Windham, S.T.
Radiological survey of Puget Sound Naval Shipyard Bremerton, Washington, and environs. (EPA - 520/5-77-001) 357511
Windmiller, L.
de Haas-van Alphen measurements and phase shift analysis of electronic scattering anisotropy in solid solutions of Ga in Au. 351742
Windmolders, R.
Λ and anti Λ production in K⁺p interactions at 32 GeV/c. 372512
General features of anti pp interactions at 32 GeV/c. 353973
Windorfer, E.
Economical district heat supply. 376812
Windsor, A.
Bevalac Minibeam Facility. 363337, 374083
Windsor, H.H.
Reactivity measurements of St. Lucie shims at the advanced reactivity measurement facility. 358097
Winegar, J.E.
Measurement of crystallographic texture at Chalk River Nuclear Laboratories. (AECL - 5626) 360757
Winegardner, W.K.
Risk assessment method for nuclear fuel cycle operations. 352325
Safety assessment of geologic repositories for nuclear waste. (BNWL-SA - 6068) 374423
Wineman, A.L.
Device for fastening and securing a fuel pin in a spacer grid. (German (F.R.) patent document 2531641/A/) 355461
Winfrey, J.H.
Computer study of many waves in the small cold beam and plasma interaction. 348979
Wing-Chiu, N.
Color confinement. 364481
Wing, W.R.
Electron heating by neutral beam injection in Ormak. (INIS-mf - 3963) 371961
Winge, C.R.
Solar polar coronal hole - a mathematical simulation. 364410
Wingender, H.J.
Risk analysis of radioactive waste management systems in Germany. 352331
Wingenfeld, U.
Experimental examinations about the proliferation and radiotherapy after administration of Vincristin and Adriamycin. 367492
Wingens, G.
Evaluation of radial gas outlet temperature profiles in the AVR reactor. 370996
Winick, H.
Study of SPEAR as dedicated source of synchrotron radiation. 363183
Wininger, I.
sup(99m)Tc-RBC - A simple in vitro labelling procedure for vascular space imaging, varicose vein diagnosis and follow-up. (INIS-mf - 4010) 373633
Wininger, J.
Technetium-99m-pyridoxylideneglutamate in jaundiced patients. 354947
Winje, D.
Growth and adaptation processes in the power industry of the Federal Republic of Germany. 366157
Winkelmann, E.
Measurement of the differential cross section for $\pi^-p \rightarrow \pi^0 n$ around the Δ(1232) resonance and test of the charge independence principle. 362072
Winkelmann, I.
Compilation of data on the release of radioactive substances in the vent air of nuclear power plants in the Federal Republic of Germany in 1975. (STH - 2/76) 350197
Compilations of nuclides determined by examination of aerosol and iodine filter samples from the exhaust air control system of the nuclear power plants Gundremmingen, Obrigheim, Wuergassen, Stade, Lingen and Biblis in 1974. (STH - 6/75) 349907
Winkens, H.P.
Energy-economy aspects of nuclear power stations heat utilization. 368438
Results and selected chapters from the final study and the planning studies of the Federal Ministry of Research and Technology. 376818
Winkler, C.
Experimantal determination of kidney perfusion in dogs, using sup(99m)Tc-pertechnetate. (INIS-mf - 4010) 357672
Functional scintigraphy of left ventricle contraction. (INIS-mf - 4010) 365492
Functional scintigraphy of left ventricle contractions. (INIS-mf - 4010) 367690
Investigations on the renal transit time of ^{131}I-hippuran. (INIS-mf - 4010) 357692
New radiopharmaceuticals for adrenal scanning: radioiodine labelled tyramine derivates of heart glycosides and the respective aglycons. 354971
Quantitative assessment using gamma camera and computer of thyroid scintigraphs for the diagnosis of autonomous adenomas. (INIS-mf - 4010) 370456
Regional myocardial perfusion and contractability in ischaemic regions. (INIS-mf - 4010) 362818
Results of functional scintigraphy of liver and biliary tract with sup(99m)Tc-labelled IDA-derivates. (INIS-mf - 4010) 370457
The scintigraphy of the brain: development, methods and present consequence. 352095
Thyroid hormones and TRH-test during pregnancy. (INIS-mf - 4010) 370458
Winkler, G.
Nondestructive activation analysis of ancient pottery by 14 MeV neutrons. 364858
Winkler, J.
Thermoelectric radionuclide generator. (German (F.R.) patent document 1804859/B/) 355098
Winkler, K.
Application of tracer techniques to the determination of zinc distribution in $ZnSiP_2$ growing in the gaseous phase. 349967
Winkler, P.
Calculation of electron hydrogen scattering resonances by the coordinate-rotation method. 358854
Green's function approach to the (hω,2e)-reactions. 371543
Winkler, R.
Measurement of actinides in samples from effluent air, primary coolant and effluent water of nuclear power stations in the Federal Republic of Germany. 355010
Studies of the main source of radioactive corrosion products in the primary circuit of pressurized water reactors. 364992
Winks, R.W.
One-Third-Scale Air - Water Pump Program: test program and pump performance. (EPRI-NP - 135) 379314
1/3 scale air - water pump program, pump performance data. Volume II. (EPRI-NP - 160(Vol.2)) 368166
Winn, K.
Kidney imaging on bone scintiscans compared with results of infusion urography of patients with prostate carcinoma. (INIS-mf - 4010) 357706
Winn, K.R.
Sub-picosecond proximity-focused visible streak camera evaluation and application. (LA-UR - 77-1872) 361584
Winnik, M.
Study of the reaction $\pi^+p \rightarrow K^+\Sigma^+$ between 1.721-1.954 GeV c.m. energy. 356528
Winningham, J.D.
Development of auroral and geomagnetic substorm activity after a southward turning of the interplanetary magnetic field following several hours of magnetic calm. 370300
Winnowski, W.S.
Processing of radioactive liquid waste by ion exchange at the Westinghouse Waltz Mill Site. 371187
Winogradow, G.W.
Method and device for measuring dynamic characteristic data of materials. (German (F.R.) patent document 2348000/C/) 367994
Winsberg, L.
Ranges of projectiles with atomic numbers 8 to 20 in Ti, Fe, Ni, Cu, Ag, and Au at energies of 0.0125 to 12.0 MeV/nucleon. (COO - 2324-8) 351262
Winsch, I.O.
Experiments on pressure-driven fuel compaction with reactor materials. (CONF-761001 - P4) 362948
Winslow, G.
Thermophysical properties of liquid uranium carbide. 378766
Winsor, N.
Formation of positive slope on electron runaway distribution in tokamaks. 348950
Winsor, N.K.
Collisional theory of electrical resistivity in trapped electron regimes. 350872
Laser-matter interaction studies at NRL. 372038
Velocity-space methods for fusion reactor plasmas. 361651
Winstead, M.B.
^{11}C-radiopharmaceuticals. (INIS-mf - 4010) 357126
Winston, R.
Measurement of the angular correlation parameters in the BETA decay of polarized Λ hyperons. (COO - 1545-215) 364585
Wintenberger, M.
Polarized neutron study of the spontaneous magnetization of cubanite. 371584
Winter, G.
Evidence for rotational band structures in the N = 88 nulide ^{153}Tb. (ZfK - 336) 364834
Experimental investigation at the tandem accelerator EGP-10-1 of the Central Institute of Nuclear Research, Rossendorf. 357937
Investigation of high-spin states and decay of an 11/2⁻ isomer in ^{151}Tb. (ZfK - 336) 364789
Investigation of isub(13/2) excitations in ^{197}Hg and ^{191}Pt. 372774
Investigation of the $i_{13/2}$ excitation in ^{197}Hg. (ZfK - 336) 364790
Proton-neutron excitations on the high-spin states of ^{95}Tc. 367013
Rotational bands and a high-spin isomer in ^{178}Ta. (ZfK - 336) 364765
Winter, G.G.
Evidence for the tau → γrhoπ decay mode. 372500
Measurement of the branching ratios for the decays J/psi(3.1) → fω and J/psi(3.1) → Bπ. 372506

Measurement of the J/psi radiative decay into f°(1270)γ. 377779
Winter, H.
Application of a method for producing material capable of becoming superconducting with embedded superconductive particles. (German (F.R.) patent document 2511989/B/) 367212
Electron capture into excited projectile states in collisions of 100 keV Nesup(z+) (z = 1,2,3,4) with He, H_2 and Ar. 348743
Elliptic polarization of the light emission from surface scattered ion beams at grazing incidence. (INIS-mf – 3996) 363864
Method of preparing ductile superconductors. (German (F.R.) patent document 2557840/A/) 369886
Method to increase the transition temperature and for the critical magnetic field strength of the known intermetallic compounds of vanadium or niobium. (German (F.R.) patent document 2540964/A/) 366817
Photon emission by impact of Nesup(z+) (z=1, 2, 3, 4) on He (20-1000 keV). 358855
Process for the manufacture of ductile superconducting materials. (German (F.R.) patent document 2557841/A/) 375761
VUV radiation, slow ions and electrons produced in collisions of multiply charged Ne ions with He and Ar. 361405
Winter, H.J.
Validation of the nodal expansion method and the depletion program MEDIUM-2 by benchmark calculations and direct comparison with experiment. 350123
Winter, J.
Determination of defects at the complex ions of $K_2[SnCl_6]$ by dipol relaxation in phase transformations. (Juel – 1419) 356075
Winter, K.
Mechanical air filter unit. (German (F.R.) patent document 2334586/C/) 367935
New types of filter for aerosol removal from reprocessing plant off-gases. 359860
Physics with very high energy e^+e^- colliding beams. (CERN – 76-18) 375013
Winter, M.
A case of tritium contamination of ground water. 370286
The impact of tritium contamination of air humidity and ground water on the tritium concentration of tissue water in plants studied under real conditions. (KFK – 2445) 360338
Relationships existing between tritium releases from different sources and the contamination of air, water and plants. 370579
Winter, N.W.
Accurate characterization of the transition state geometry for the H'F+H'→H+H'F reaction. 359714
Experimental and theoretical study of electron impact excitation of Cu. 358845
Potential energy curves and predicted fluorescence for neon fluoride. 358628
Winterberg, F.
Ablation driven thermonuclear implosion targets of high efficiency. 350970
Acceleration of a magnetically insulated foil to ultrahigh velocities for thermonuclear microexplosion ignition. 364266
Implosion of the superpinch. 377572
Laser produced plasmas with fissionable material. 372091
Non-spherical implosion of a dense thermonuclear plasma. 369007
Supercompression of intense ion beams in a collapsing pinch. 353654
Winterbon, K.B.
Ion implantation distributions in inhomogeneous materials. 359362
Winters, J.H.
The electron impact excitation of the 2^1P state of helium in the eikonal-Born series approximation. 366344
Winters, K.H.
A comparison of local optical potentials for elastic electron-atom scattering. 374644
Differential cross-sections and angular correlation parameters for the electron impact excitation of the n=2 and n=3 singlet levels of helium. 353386
Distorted-wave approximations for electron-atom excitation. 353385
The electron impact excitation of alkali atoms. 358848
The excitation of atomic hydrogen and helium by fast electrons. 353274
On distorted-wave approximations for excitation. 368719
Winters, R.R.
Neutron capture by ^{208}Pb at stellar temperatures. 364368
Winterton, R.H.S.
Nucleation of boiling and cavitation. 355125
Winther, A.
Estimate of double octupole phonon excitation in the Xe + Pb reaction using the coupled channel WKB approximation. 356817
On the capture of muons in atoms. 353500
Wintzer, K.
Process and circuiting arrangement for the conversion of analog signals to digital signals and digital signals to analog signals. (German (F.R.) patent document 2543696/A/) 361087, 361089, 361090
Winzer, A.
Kinetics of adsorption of $^{22}Na^+$, $^{42}K^+$ and $^{86}Rb^+$ tracers from mixed solvents on activated carbon. 354413
Winzer, K.
Evidence for a three tsub(c) behavior of the Kondo superconductor (La,Y)Ce. 357342
Winzor, D.J.
Evaluation of crosslinking and scission yields in the degradation of polystyrene by γ-irradiation in air. 378538
Evidence of crosslinking and chain scission in the degradation of poly(tert-butyl crotonate) by γ-irradiation. 373073
Wire, G.L.
Irradiation creep data in support of LMFBR core design. 360082
Wirkus, C.D.
Refractories based on $3Er_2O_3 – Ta_2O_5$. 360036
Wirth, G.
Charge-asymmetry equilibration in the reaction of $^{129,132,136}Xe$ with ^{197}Au near the interaction barrier. 366989
Method to recover uranium from uranium-containing phosphate ores. (German (F.R.) patent document 2531958/A/) 354481
Wirth, W.
Intra-articular ^{90}Y-therapy of polyarthritis. (INIS-mf – 4010) 370417
Wirtz, K.
Advanced power reactors and developing countries. 352785
Wirzba-Lorenz, H.
Angular distributions of neutron polarization from the $^{14}C(p,n)^{14}N$ and $^{11}B(\alpha,n)^{14}N$ reactions and R-matrix analysis of ^{15}N in the excitation-energy range between 11.5 and 12.5 MeV. 356846
Wischhusen, R.
Beta decay and nuclear structure: Rb^{86}. 375153
Wischin, K.K.
Report about acoustic emission analysis on the reactor pressure vessel of the first Austrian nuclear power plant. (IAEA – 202) 376498
Wischnewski, R.
Evaluation of radial gas outlet temperature profiles in the AVR reactor. 370996
Wise, R.L.
Studies of ytterrium getting efficiency in radioisotopic heat sources. 370694
Wise, W.M.
Semiquantitative determination of impurities in high-purity molybdenum metal by optical emission spectrography. 378170
Wishart, R.
Pressure safety aspects of liquid CO_2 storage: a case history. (SAND – 77-0125) 352309
Wiss, J.E.
Charmed meson production by e+e- annihilation. (LBL – 6725) 361904
D meson production and decay in e^+e^- annihilation at 4.03 and 4.41 GeV c.m. energy. 353989
K^0 production in e^+e^- annihilation. 353983
Properties of the proposed tau charged lepton. 356517
A search for neutral heavy leptons. 356514
Spin analysis of charmed mesons produced in e^+e^- annihilation. 351228
Wisser, H.
Methodical investigations for the radioimmunological determination of 3,4-dimethoxyphenylethylamine in urine. (AED-Conf – 76-172-001) 379206
Wissink, S.W.
Structure in the giant dipole resonance of ^{16}O: Evidence for a secondary doorway state from polarized-proton capture. 366968
Wistow, B.W.
Myocardial uptake of /sup 99m/Tc skeletal agents in the rat after experimental induction of microscopic foci of injury. 373673
Wisznewski, K.
Temperature dependence of the EPR spectrum of ruby. 374727
Wit, B. de
On the induced cosmological term in quantum gravity. 353170
Wit, P. de
Research with the 4 MV accelerator, ch. 2. (INIS-mf – 3629) 362056
Witek, R.T.
Optimizing measurement sensitivity to facilitate monitoring environmental levels of Rn-daughter concentrations. (CONF-771023 – 14) 378925
Withbroe, G.L.
EUV analysis of polar plumes. 353660
Withers, H.R.
Epilation in rats after single and multifractionated gamma-ray exposure. 354783
Radiobiological problems in initiating a clinical trial of fast neutrons. 349773
Witherspoon, J.P.
Correlation of radioactive waste treatment costs and the environmental impact of waste effluents in the nuclear fuel cycle: conversion of recycle uranium to UF_6. (ORNL/NUREG/TM – 37) 352288, 374417
Radiological impact of airborne effluents of coal-fired and nuclear power plants. (ORNL – 5315) 362611
Releases of radioactivity from uranium mills and radwaste effluent costs. 379315
Witkowski, J.
The radioimmunoassay of CEA (carcinoembryonic antigen of Gold) in plasma of colorectal carcinoma patients. 367689
Witkowski, R.E.
Preliminary chemical investigation of sodium – concrete reactions by differential thermal analysis. (CONF-760503 – P2) 352786
Technology development for a 3000 HP homopolar generator with liquid metal current collectors. (CONF-760503 – P2) 352392
Witmer, E.A.
Finite element nonlinear transient response analysis of simple 2-d structures subjected to impulse or impact loads. Final report, July 1974 – June 1976. (PB – 263864) 363005
Witsch, W. von
A thin-film scintillator detector for light ions in low-energy nuclear physics. 379881
Witt Huberts, P.K.A. de
Folding of proton size in nuclear structure calculations. 372667
On the radial distribution of the 1fsub(7/2) proton orbit. 362113

Witt, A.N.
Multiple scattering in reflection nebulae. I. A Monte Carlo approach. 364429
Multiple scattering in reflection nebulae. II. Uniform plane-parallel nebulae with foreground stars. 364430
Multiple scattering in reflection nebulae. III. Nebulae with embedded illuminating stars. 364431
Multiple scattering in reflection nebulae. IV. The multiplicity of scattering. 364432
Witt, H. de
Measurement of muon-neutrino and -antineutrino scattering of electrons. 353961
Muonless π^0-production by muon-neutrinos and -antineutrinos. 353962
Witt, S. de
Function and set up of public participation in the nuclear licensing procedure. 352993
Witte, H.
Radioactive waste in the Federal Republic of Germany. 368357
Witte, K.J.
The development of a high-power iodine laser in plasma physics institute in Garshing, GFR. 361426
Witte, O. de
Near UV photophysics of gaseous UF_6. 366384
Wittek, W.
New information about the kaon-nucleon-hyperon coupling constants g(anti KNΣ(1197)), g(anti KNΣ(1385)) and g(anti KNΛ(1405)). 356497
Witten, E.
Some problems in the short distance analysis of gauge theories. 351202
Wittenbrock, N.G.
324 building safety analysis report supplement. (BNWL-CC – 2028(Suppl.1)) 374407
Wittendorp, E.
A new approach for the detection of charged particles by photographic recording systems – first applications in corpuscular physics, biology and electron microscopy. 360118
Witter, K.
Pinning of 180° Bloch walls at etched nuclear tracks in LPE-grown iron garnet films. 373357
Witteveen, G.J.
Low-consumption atomic beam source. 350694
Wittig, G.
About applications of pulsed eddy current methods in nondestructive testing. 355240
Wittig, J.
Hypothesis concerning the commencement of the series of rare earth metals. 357344
Resistance anomalies in FCC lanthanum, praseodymium, and neodymium under pressure. 357343
Superconductivity of bcc barium under pressure. 373259
Wittmann, F.D.
Americium monosilicide and 'disilicide'. 367141
Wittmann, W.
Lifetime measurements by pulsed laser excitation of fast ion beams. 371507
Witzig, W.F.
Fuel management teaching experience: successes and problems. 352932
Reactor operator screening test experiences. (EPRI-SR – 28) 352979
Witzke, W.R.
High toughness-high strength iron alloy. (N – 77-24254) 365129
Weldability of high toughness Fe – 12% Ni alloys containing Ti, Al, or Nb. 351703
Weldability of high-toughness iron – 12 percent-nickel alloys with reactive metal additions of titanium, aluminum, or niobium. (N – 77 – 18249) 351702
Wivstad, I.
Swedish utilities design 'completely safe' disposal route. 376776
Wlodarski, R.
The granulation of uranium trioxide and ammonium diuranate. (INR – 1585/4/C/B) 375753
Wlodek, L.
Study of sulfur metabolism by the method of perfusion of isolated rat liver. 367606
Wobig, H.
On sawtooth oscillations and MHD modes in the W VII A stellarator. (INIS-mf – 3963) 371780
Wochos, J.F.
Patient exposure from diagnostic x rays: an analysis of 1972-1974 NEXT data. Final report 1 Oct 72 – 30 Aug 74. (PB – 267741) 362712
Response of Baldwin-Farmer chamber at mammography energy. 370658
Wodnicki, P.
The hyperfine quadrupole interaction observed in binary Agsub(x)Ysub(1-x). (INP – 866/PL) 371569
Woeckel, E.
Energetic interaction of noble gases on tungsten in the range between 1000 K and 2000 K. 369959
Woehlke, R.A.
Effects of non-haling power operation on Vermont Yankee. 358204
Woelfle, R.
Triton emission in the interactions of fast neutrons with nuclei. 378048
Woelfli, W.
Comments on the reported discovery of primordial superheavy elements. 378184
Z-dependence of the position of MO X-ray anisotropy peaks. 377123
Woerden, H. van
The gas content of early-type galaxies. 356348
Topics in interstellar matter. 356196, 356207, 356208, 356209, 356250, 356257, 356260, 356269, 356286, 356287, 356288, 356289, 356302, 356306, 356311, 356314, 356320, 356332, 356340, 356341, 356345, 356348, 356352, 359160
Woerlee, P.H.
Production of inner-shell vacancies in slow ion-atom collisions for projectiles Z > = 10. 377011
The production of K-shell vacancies during collisions of 50-1200 keV Nesup(n+) → Ne for n = 1, 2, 3 and 4. 361361
Woerner, D.
Finite element calculations on the 3d HTGR benchmark problem. 370802
Woeste, L.
Multiphoton ionization: mass selective laser-spectroscopy of Na_2 and K_2 in molecular beams. 371492
Wogenrich, F.J.
Effect of alpha irradiation of the lungs from inhaled $^{239}PuO_2$ on the immunity of mice to Listeria monocytogenes. (LF – 56) 362758
Wogman, N.A.
In situ pollutant study of the New York Bight. (BNWL – 2100(Pt.2)) 362140
In situ x-ray fluorescence and californium-252 neutron activation analysis for marine and terrestrial mineral exploration. (BNWL-SA – 5926) 351461
In-situ X-ray fluorescence and californium-252 neutron activation analysis for marine and terrestrial mineral exploration. 376025
Nondestructive analysis for ^{232}U and decay progeny in animal tissues. (BNWL – 2100(Pt.1)) 360304
Nuclear techniques applicable to studies of pollutants in ground water. (BNWL-SA – 6186) 349669
Wohanka, A.E.
Scintillation response of anthracene in dependence of energy and direction of the exciting deuterons, crystal temperature and direction of investigation. 374796
Wohler, J.
Method for temporary shut-down of a high-temperature nuclear reactor. (German (F.R.) patent document 2217816/C/) 355438
Process for occasional shutdown of a high temperature nuclear reactor. (German (F.R.) patent document 2265032/B/) 355439
Shut-down method for a high-temperature reactor. (German (F.R.) patent document 2264947/B/) 355441
Wohn, F.K.
Experimental indication of the onset of nuclear deformation in neutron-rich Sr isotopes at mass 98. 367014
Woite, G.
Demand and supply estimates for the nuclear fuel cycle. 366161
Nuclear power in developing countries. 366138
Problems of nuclear power in developing countries. 371212
Woitscheck, A.
Fracture studies and detection of causes of failure. Problems with ferrous materials. 349491, 349511
Woittennek, H.
Evidence for the non-Lorentzian shape of x-ray spectra. 368648
Wojciak, Z.
Changes in the pharmacodynamics and pharmacokinetics of psycholeptic drugs in radiation-sickness. Effect of X-ray radiation on pharmacodynamic activity of nitrazepam in animals. 373548
Wojciechowska, E.
The electron scavenging processes in γ-irradiated 3-methylpentane glass at 77K. 375699
Ionic processes in γ-irradiated rigid polar-nonpolar mixtures at 77 K. 375697
Wojciechowski, S.
Representations of the algebra sl(2, R) and integration of Hamiltonian systems. 371448
Wojcieszek, Z.
Carcinoma of rubor labiorum – assessment of results with particular reference to treatment with X-rays. 367544
Wojcik-Wojtkowiak, D.
Nitrogen transformation in soil during humification of straw labelled with ^{15}N. 373431
Wojckikowski, C.
Radioimmunoassay of insulin by the double antibody method. Evaluation of the technique in practice. 357718
Wojslaw, R.
Further evidence for production of electrons with small transverse momenta in pp collisions. 377784
Wojslaw, R.J.
Direct measurement of the π^- form factor. 372514
Wojtaszek, J.
The effect of X-irradiation on the alanine- and aspartate aminotransferase activity in the liver, kidney and spleen of mice. 373529
Wojtkowiak, M.
Influence of haemodynamic disturbances caused by acceleration on distribution of ^{125}J-albumin in eyes of experimental animals. 367701
Wojtowicz, Z.
Distribution of K^{42} between erythrocytes and plasma related to fibrinolytic activity. 373604
Wokoeck, H.D.
A controllable ion gun with high brightness. 348744
Reaction energy analysis by plasma diagnostics. 348745
Wolcott, J.H.
Characteristics of late-time striations observed during operation

stress. (LA-UR – 77-2835) 378951
Wolczek, W.
Scintillation camera with improved light diffusion. 358378
Wold, A.
Crystal growth and characterization of $PdTe_2$. 365226
Some effects of heat treatment and electron irradiation on the cathodoluminescence spectra of $CuInS_2$. 351899
Woldring, M.G.
^{11}C-labelled DOPA for detection of cerebral dopaminergic structures. (INIS-mf – 4010) 357618
Comparison of ^{133}Xe and $^{13}N_2$ ventilation studies. (INIS-mf – 4010) 370409
A duel head Anger camera system for the imaging of positron emitting radionuclides. (INIS-mf – 4010) 358387
Dynamic blood flow measurement with the ^{81}Rb/sup(81m)Kr ratio. (INIS-mf – 4010) 370441
First clinical exoerience with ^{131}I-Triolein and ^{75}Se-triether to estimate intestinal fat absorption from single fecal specimens. (INIS-mf – 4010) 367578
Rapid synthesis and purification of carbon-11 labelled DOPA: a potential agent for brain studies. 375655
Tumor detection with radio-labelled bleomycin, a clinical and animal study. (INIS-mf – 4010) 357650
Wolf, A.
Studies of nuclear levels around 7.4 MeV using a high resolution γ-monochromator. 362071
Utilization of teflon-covered Ge(Li) diodes for fast neutron detection. 374370
Wolf, A.A.
Organic superconductors with high transition temperatures and high critical magnetic fields. (US patent document 3,944,578/A/) 357075
Wolf, A.P.
Cyclotron isotopes and radiopharmaceuticals. 357861
Cyclotrons, positron emitters and radiopharmacenticals. (INIS-mf – 4010) 357127
Metal isotopes used as radioactive indicators of ocular melanoma. 360383
Radiopharmaceuticals. XXVII. ^{18}F-labeled 2-deoxy-2-fluoro-D-glucose as a radiopharmaceutical for measuring regional myocardial glucose metabolism in vivo: tissue distribution and imaging studies in animals. 373600
Sterochemical consequences of hydrogen exchange as a result of tritium atom reactions on solid aliphatic amino acids. 362176
Wolf, D.
Development of a radionuclide method of mass flow measurement in non-steady state multiphase flows. (KFK – 2435) 357890
Wolf, E.
The enthalpy of formation for tellurium tetrahalogenides. 349274
Mass flow measurement with an infrared absorption measuring unit in the MARVIKEN-II blowdown experiments. 370876
Wolf, E. de
General features of anti pp interactions at 32 GeV/c. 353973
Wolf, F.
Evaluation of brain perfusion curves after intravenous injection of sup(99m)Tc-pertechnetate. (INIS-mf – 4010) 362736
Observation of progress in the treatment of rheumatoid arthritis with ^{90}Y-silicate. (INIS-mf – 4010) 370492
Wolf, G.
Σ^- production and decay properties in $K^-p \rightarrow \Sigma^-\pi^+$. 377807
Evidence for the F meson. 353947
Measurements of tau decay modes and a precise determination of the mass. 372505
On the origin of inclusive electron events in e^+e^- annihilation between 3.6 and 5.2 GeV. 353772
On the semileptonic decay of charmed hadrons. 356496
Specific heat capacity of ternary molybdenum sulfides. I. Lattice and electron contributions to the specific heat capacity of superconducting Mo_3SnS_6 at 2 – 25 K. 367311
Wolf, G.H.
The permissible amount of plasma-wall interaction in a fusion plasma. 368919
Wolf, G.K.
On-line Moessbauer measurements at low temperatures of sup(83m)Kr implanted into Al. 377198
Wolf, H.
A comparative study of the giant dipole resonance of sup(24,26) Mg with special emphasis on the proton decay channel. 364617
Strain gages for measuring surface extensions in the circular sections of work pieces. (German (F.R.) patent document 2345309/B/) 376682
Wolf, I.H.
Comparison of different methods for measurement of tubular clearance; PAH steady state method, whole-body measurements and compartment analysis of gamma camera mode renograms. (INIS-mf – 4010) 362803
Wolf, J.
Induction of mutations in antibiotic-producing microorganisms by fast neutrons from the U-120 cyclotron. 367471
Wolf, K.L.
Dissipation, mass exchange and the microscopic time scale of heavy-ion collisions. 362102
Interaction times for damped heavy-ion collisions. 359440
Wolf, L.
Efficient multidimensional numerical method for the thermal-hydraulic analysis of nuclear reactor cores. 363459
Modular approach to fault tree and reliability analysis. 352270
Wolf, M.
Compact storage racks for spent fuel elements at the Biblis nuclear power plant. 370905
Wolf, M.A.
Portable survey instrument for low levels of transuranic contaminants. (LA – 6860-MS) 361065
Rainfall enhancement due to scavenging of cooling tower condensate. (BNWL – 2295) 362896
Wolf, P.
Q factor and resonance amplitude of Josephson tunnel junctions. 369242
Wolf, R.A.
Star distribution around a massive black hole in a globular cluster. II. Unequal star masses. 359047
Wolf, S.
Superconductivity in silver induced by the proximity effect. 359910
Zero dimensionality and Josephson coupling in granular niobium nitride. 367307
Wolf, T.
Preparation and investigation of stoichiometric TiN and ZrN monocrystals. 366443
Wolf, W.
Dose estimations for radioactif cis-dichlorodiammine platinum (195m) II. A new radiopharmaceutical. 354957
A model prediction of chemotherapy response to 5-fluorouracil: differential distribution of ^{18}F-5-fluorouracil in sensitive versus resistant lymphocytic leukemia in mice. (INIS-mf – 3663) 354869
Wolf, W.P.
Jahn-Teller antiferroelectric ordering in praseodymium hydroxide. 355981
Wolfangel, R.G.
Collodial compositions with protective agents suitable for radioactive labeling. (US patent document 4,062,933/A/) 379155
Wolfe, D.M.
Measurement of the angular correlation parameters in the BETA decay of polarized Λ hyperons. (COO – 1545-215) 364585
Wolfe, G.W.
Alpha-transfer reactions on ^{20}Ne and ^{24}Mg. 364835
Wolfe, J.H.
Pioneer 10, 11 observations of evolving solar wind streams and shocks beyond 1 AU. 372269
Wolfe, S.M.
High-density discharges in the Alcator tokamak. 368947
Wolfendale, A.W.
Galactic centre γ-rays from trapped cosmic rays. 364433
Propagation of cosmic rays of energy 1-100 GeV in the galaxy. 369081
Spectral shape of cosmic rays over the galaxy. 369080
Wolfenstein, L.
What we know and what we want to know about the weak interactions. 377776
Wolfer, W.G.
Stress-affected microstructural development and creep-swelling interrelationship. (HEDL-SA – 1167) 365969
Study of the effect of void surface coatings on radiation-induced swelling. (ORNL/TM – 5670) 361459
Theory of swelling and irradiation creep. (CONF-770641 – 7) 350788
Wolfers, P.
Valence bonding in $CrUS_3$ and related compounds showing delocalized unpaired electrons. 357390
Wolfert, K.
Analytical simulations in the field of two-phase-flow. 376307
Wolff, E.G.
Thermal expansion of a boron – aluminum tube. 362520
Wolff, H.
Two-constant model to describe the self-association of H- and D-bridge formers in binary mixtures from steam pressure measurements. 375608
Wolff, J.R.
Scanning system for a gamma camera. (German (F.R.) patent document 2620845/A/) 355591
Wolff, R.K.
Gamma camera imaging studies of regional radiation-induced injury. (LF – 56) 362759
Hepatic degeneration in beagle dogs after chronic hepatic beta-irradiation. (LF – 56) 365413
Wolff, R.S.
OSO-8 X-ray polarimeter and Bragg crystal spectrometer observations. 369174
Search for thermal X-ray line emission from the Crab Nebula. 359110
Stellar crystal x-ray spectroscopy on OSO-8. (CONF-7510169 –) 364352
X-ray polarization experiment on the OSO-8. (CONF-7510169 –) 364426
Wolff, S.
Evidence for the tau → γrhoπ decay mode. 372500
Measurement of the branching ratios for the decays J/psi(3.1) → fω and J/psi(3.1) → Bπ. 372506
Measurement of the J/psi radiative decay into $f^0(1270)\gamma$. 377779
Wolff, U.
Compact storage racks for spent fuel elements at the Biblis nuclear power plant. 370905
Experimental power ramps in KWO and KWR-A fuel elements. 370836
Wolff, U.E.
Bonding between UO_2 fuel and zircaloy-2 cladding. 360906
Wolfgang, E.
Cathodoluminescence spectrometry for the inspection of silicon-doped gallium-arsenide light-emitting diodes. 353451
Wolfman, E.F. Jr.
Hepatobiliary scanning using /sup 99m/Tc – pyridoxylideneglutamate. 360382

Wolford, D.J.
Nitrogen isoelectronic trap in GaAs/sub 1-x/P/sub x/: II. Model calculation of the electronic states N/sub Gamma/and N/sub x/ at low temperture. 359827
Wolford, M.L.
Effects of thermal discharges on aquatic biota. Combined effects of waste heat and environmental factors acting in concert. (BNWL – 2100(Pt.2)) 362594
Wolfrum, E.A.
Quantitative chemical method for the determination of the disordered carbon component in pyrocarbon coatings of fuel particles. 364927
Wolfsberg, M.
Calculation of isotopic partition functions ratios by a perturbation theory technique. 2. Dissection of the isotope effect. 364994
Corrections to the Born – Oppenheimer approximation in the calculation of iotope effects on equilibrium constants. 351592
Wolfson, C.J.
Early evolution of an X-ray emitting solar active region. 372305
Wolfson, R.
Optical identification of A0620-00. (CONF-7510169 –) 364434
Wolfson, Y.
Magnetic hyperfine rotation of a gamma ray angular distribution due to target tilting. (WIS-PH – 76/59) 363896
Wolfstein, R.S.
Technetium-99m glucoheptonate as a brain-scanning agent. 373693
Wolga, G.J.
Sensitivity enhancement of a spin-flip Raman laser absorption spectrometer through use of an intracavity absorption cell. 371369
Wolk, I.
Exact relativistic solution of disordered radiation with planar symmetry. 350551
Wolko, K.
Radioimmunologic determination of Hepatits B antigen by the steady phase method. 367719
Wollam, J.D.
Alfalfa weevil male: effect of γ-radiation and weevil age on mating competitiveness and sperm transfer. 373554
Wollan, J.J.
Fabrication of superconductors. 359886
High B losses in multifilament superconducting wires. 360003
Wollenberg, H.A.
Nuclear techniques in the evaluation of geothermal resources. 376026
Radiometric methods, ch. 2. 379962
Wollenberger, H.
Di-interstitial formation within small defect cascades in aluminium. 370150
Frenkel pair recombination radius in copper as a function of temperature. 351896
Interaction of self-interstitials with solutes. (HMI-B – 240) 366485
Specific anomaly at the α-α' phase transition in NbHsub(0.3). 378638
Wollersheim, H.J.
Coulomb excitation of deformed nuclei using very heavy ions. (ZfK – 336) 364750
Doppler shift measurement of differential K-vacancy production cross sections in heavy collision systems. 353255, 377022
Recoil distance investigation of yrast states in ^{158}Dy. (ZfK – 336) 364749
Study of E2 transition probabilities in ^{194}Pt. 356893
Wollnik, H.
Design and working principles of the Lohengrin mass separator for fission products at the high flux reactor in Grenoble. 358320
Experimental beta-decay energies of short-lived light fission products. 375207
Experimental indication of the onset of nuclear deformation in neutron-rich Sr isotopes at mass 98. 367014
Experiments with fission products at the Lohengrin mass separator. 354261
Woloshyn, R.M.
Mechanism for "quasi-two-body scaling". 364645
Threshold π^0 photoproduction from complex nuclear targets. 351318
Wolosker, M.
Critical assessment of radioisotopic methods used in the evaluation of pherispheral blood flow. 365468
Wolowski, L.
Incubation of ^{14}C-trichloroethylene vapor with rat liver microsomes: uptake of radioactivity and covalent protein binding of metabolites. 352155
Wolschin, G.
Analysis of relaxation phenomena in heavy-ion collisions. 375145
Wolska-Witer, M.
The preparation of radiophotoluminescent dosimeter for X and gamma dose measurements. 355599
Wolter, H.H.
Quantum beats in absorption. 371545
Wolter, R.
Comparative measurement to determine the radionuclide concentration in waste water from nuclear power plants. (WaBoLu – 38-77) 376200
Radiation exposure in 1975 by nuclear installations in the Federal Republic of Germany. (STH – 8/77) 370572
Radioactive effluents and present and future radiation exposure of the population from nuclear facilities in the Federal Republic of Germany. 367751
Wolter, W.
Inclusive data in proton-nucleus collisions at 67, 200, and about 3000 GeV. (INP – 872/PH) 375063
Woltermann, H.A.
Controllable unit approach to material control. 380135
Nuclear power: new technique for safeguarding special nuclear material. (MLM – 2474(OP)) 374508
Wolters, G.F.
A study of inclusive Ξ^- production from K^-p interactions at 4.2 GeV/c. 353964
Wolters, J.
Consequences of ultimate sequences of HTGRs. 352189
Elimination of flow-rate fluctuations in the core of the FRJ-2 research reactor and its usefulness for reactor operation. 363542
Wolynec, E.
Influence of the coulomb distortion on the virtual photons spectrum. 354244
Multipolarities of nuclear transitions involved in the one neutron disintegration of ^{238}U. 359507
Wolynez, W.F.
Methodological investigation of the determination of ^{15}N in nitrogen fixed to rock materials. 372866
Wolz, G.C.
Operating experience with experimental breeder reactor-II (EBR-II). 379843
Wong, A.Y.
Multipole fusion reactors using advanced fuels. (EPRI-ER – 536-SR) 371722
Surface multipole guide field for plasma injection. 358919
SURMACS. (EPRI-ER – 536-SR) 372092
Wong, C.
Differential integral experiments for testing cross section evaluations for fusion reactors. (UCRL – 79452) 350862
Dynamics of nuclear fluid. III. General considerations on the kinetic theory of quantum fluids. 364727
Measurements and calculations of the electron recoil spectra from gamma rays emitted by nitrogen for a 14-MeV neutron source. 356538
Mechanical and thermal design of a gas-cooled fusion blanket module. (GA-A – 14671) 371912
Mica fission detectors. (UCID – 17563) 363601
Radiation doses as a function of the thickness and shielding material surrounding a 14-MeV neutron source. (UCRL – 78560) 359350
Wong, C.F.
Electromagnetic form factors for the 14.39 and 17.50 MeV levels of ^{9}Be. 351396
Wong, C.W.
Comparison between phenomenological bag and nonrelativistic potential models of hadrons. 372495
Wong, E.T.
Isotope-labelled folic acid derivatives. (German (F.R.) patent document 2605387/A/) 367148
Wong, J.
Dynamic Stark splitting by coupled one- and two-photon resonances. 350695
Wong, J.K.C.
Structure of finite nucleus with extended shell model basis: an application to ^{48}Sc and ^{50}Sc. 372688
Wong, J.L.
Kinetics and mechanism of carbon-8 methylation of purine bases and nucleosides by methyl radical. 362224
Wong, K.
Solidification of a sphere with internal heat generation and convective cooling at the surface. 352216
Wong, K.M.D.
Bonded rare earth – cobalt permanent magnets. 362463
Wong, K.W.
Mechanistic study of fuel freezing, channel plugging, and continued coolability during fast reactor overpower excursions. (NUREG – 0310) 352310, 379316
Study of fuel freezing and channel plugging during hypothetical overpower transients. (CONF-761001 – P4) 363044
Wong, L.
Equation of state of beryllium. (UCRL – 52323) 373197
Wong, P.T.-H.
Radiometric assay of tyrosine hydroxylase and tryptophan hydroxylase by Kalignost extraction procedures. 364857
Wong, S.F.
Isotope effects in molecular scattering by electrons. 353213, 376986
Resonant electron scattering from vibrationally excited N_2. 353387, 377146
Wong, S.S.M.
Scalar and configuration traces of operators in large spectroscopic spaces. 372595
Strength distributions and statistical spectroscopy II. Shell-model comparisons. 359390
Strength distributions and statistical spectroscopy. I. General theory. 359389
A study of ^{28}Si using shell-model and statistical spectroscopic methods. 377947
Truncation of the nuclear shell-model space using spectral strength distribution. 377946
Wong, W.K.
Thermodynamic of liquid ^{4}He. 352373
Wong, Y.C.
Cross section for the production of ^{7}Be from ^{6}Li, ^{6}Li interactions. 351415
Wong, Y.H.
Induced Jahn-Teller transition in $PrCu_2$. 378703

Wonn, J.W.
Method and apparatus for determining uranium concentration in a moving stream. (US patent document 4,043,755/A/) 378091
Woo, C.H.
Charge quantization and vacuum degeneracy in two dimensions. 353100
Infrared regularization of the massless scalar free field in two-dimensional space-time via Lorentz expansion. 361271
Woo, G.
Global equivalence of Euclidean gauge and Higgs fields. 364435
Topology of Euclidean Higgs fields. 350552
Woo, H.K.
The fundamental heat conduction solution for a thermal shock on a finite orthotropic cylindrical thin shell. 373992
Woo, J.T.
Economic analysis of EBT reactor. (CONF-771029 – 80) 372093
Neutral-injection-induced transport in mirror-confined plasmas. 348980
Woo, R.
Measurements of the solar wind using spacecraft radio scattering observations. 372306
Wood, C.B.
Computor program for mathematical evaluation of the Rocky Flats nuclear accident dosimetry system. (RFP – 2580) 379082
Wood, D.E.
Safety analysis of an HTGR plant including emergency shutdown. Volume 1. Final report. (K – 76-124U(R)(Vol.1)) 362862
Wood, D.H.
Eliminating cold-shut defects in deep, single-pass, electron beam welds in uranium. 357241
Wood, D.S.
Preliminary results of effect of environment on the low cycle fatigue behaviour of type 316 stainless steel and 9%Cr ferritic steel. 354576, 360004
Zircaloy-2 irradiation creep strain measurement techniques. 360131
Wood, E.
Yield curves for cyclotron production of ^{123}I, ^{125}I and ^{121}I by $^{127}I(p,xn)$ Xe → (β) → I reactions. 376241
Wood, E.G.
Effect of pelvic inflammatory disease on enteric complications following radiation therapy for cervical cancer. 362711
Wood, G.C.
Influence of yttrium additions on the oxide scale adhesion to an iron – chromium – aluminum alloy. 362296
Wood, G.E.
Radio science investigations with Voyager. 374902
Wood, J.C.
Review of session V of the ANS topical meeting, St. Charles, Il., USA, May 1977: "Mechanisms for pellet cladding interactions". (AECL – 5850) 360850
Wood, P.J.
Overview of the CRBRP safety study. (CRBRP-PS – 01) 362997
Wood, P.R.
Mass transfer instabilities in binary systems. 372307
Wood, R.F.
Phonon – internal-mode hybridization in KCl:CN^-. 365230
Wood, R.M.
Production of H^+ fragments from H_2 by fast projectiles. 363884
Wood, W.B.
Commercial feasibility of fusion power based on the tokamak concept. 377520
Wood, W.W.
Goals and projects of U.S. Geological Survey for the study of solid low-level radioactive wastes. 380076
Woodall, D.M.
Use of advanced fuels in pellet implosion reactor engineering. 377573
Woodall, H.C.
Traversing probe system. (US patent document 4,016,768/A/) 373911
Woodall, H.N.
Rehyd development and installation report. (SAND – 77-0599) 379515
Woodard, K.
Selecting probability for use in direction-dependent accident dispersion models consistent with past NRC practice. 352311
Woodford, D.A.
Creep and rupture of an advanced fiber strengthened eutectic composite superalloy. 357399
Woodhall, C.B.
US LWR spent fuel inventory and protection. (Y/OWI/SUB – 77/45200) 374211
Woodhead, A.D.
Amazon Molly, Poecilia formosa, as a model for studies of the effects of ionizing radiation. (BNL – 23239) 362691
Woodhead, L.W.
Performance review of CANDU-PHW nuclear-electric units and the Bruce heavy water plant. 368194
Woodhouse, J.
Reduction of blue tungsten oxide. 362509
Woodley, R.E.
Comparison of TGA and EMF measurement of the oxygen potential of $U_{0.75}Pu_{0.25}O$/sub 2+-x/. (HEDL-SA – 1282) 378497
Woodllam, J.A.
Superconductivity in sputtered $CuMo_6S_8$. (N – 77-20206) 357388
Woodman, R.F.
Solar cycle effects on the electric fields in the equatorial ionosphere. 370315
Woodroffe, J.A.
Isotope separation using vibrationally excited molecules. (US patent document 4,039,411/A/) 363068
Woodruff, G.L.
Delayed neutron spectra: equilibrium spectrum. (BNL-NCS – 22500) 356753
Measured near-equilibrium delayed neutron spectra produced by fast-neutron-induced fission of ^{232}Th, ^{233}U, ^{235}U, ^{238}U, and ^{239}Pu. 362055
Woods, K.K.
Water separator for a steam turbine for nuclear power stations. (German (F.R.) patent document 2623293/A/) 355282
Woods, K.N.
In plant behavior of LWR elements. 370894
Woods, M.
Kinetic study of the reduction of neptunium (VII) and americium (VI) by bromide ion in aqueous perchlorate media. 365020
Woods, R.J.
Optical study of electrons and positive ions in pulse-irradiated liquid 3-methyloctane at low temperatures. 362260
Woods, T.
Engineering features of an upgradable ignition test reactor. (GA-A – 14633) 372008
Woods, T.J.
Neutron wall loading characteristics of a doublet reactor. (GA-A – 14632) 372094
Woodson, H.H.
Circuit and magnetic analysis for a system of Faraday rotator coils driven by a two-spool, four-rotor homopolar generator. (CONF-771029 – 119) 377482
Design, fabrication, and testing of a fast discharge homopolar machine (FDX). (CONF-771029 – 117) 377414
Electromagnetic torques and forces due to misalignment effects and eddy currents in the homopolar generator, power supply for the Texas Experimental Tokamak (TEXT). (CONF-771029 – 118) 377393
FDX: a fast discharge homopolar generator. (ORO – 5594-8) 377567
Homopolar generator development at the University of Texas. (ORO – 5594-7) 377566
Methods for producing the plasma initiation pulse in ohmic heating circuits in tokamak power reactors: resistive dissipation, transient inductive storage, and transient capacitive storage. (CONF-771029 – 120) 377394
System engineering and design of a pulsed homopolar generator power supply for the Texas Experimental Tokamak. (CONF-771029 – 114) 377350
Test data on electrical contacts at high surface velocities and high current densities for homopolar generators. (CONF-771029 – 121) 377361
Woodson, R.D.
Approach to nuclear project management in developing nations. 352626
Woodward, E.J.
AK Herculis – an atypical W UMa-type system. 372308
Woodward, J.G.
Modification of immunological potential by ultraviolet radiation. I. Immune status of short-term uv-irradiated mice. 357584
Woodworth, J.G.
The 98 deg differential cross sections for the reactions $^{13}C(\gamma,n_0)^{12}C$ and $^{13}C(\gamma,n_1)^{12}C$. 359540
Woodworth, P.L.
Evidence for a narrow width boson of mass 2.95 GeV. 372519
Inclusive anti K^{*0} (890) production in π^-p interactions at 16 GeV/c. 356507
Observation of the reactions $\pi^-p \rightarrow$anti pd at 10 and 16 GeV/c. 372520
Wool, I.G.
Identification of the tRNA-binding sites on rat liver ribosomes by affinity labeling. 352094
Woolcock, W.S.
Extended unitarity in hadronic multichannel scattering with Coulomb interactions present. 348612
Woolf, N.J.
Spectral development of Nova Cygni 1975. 351086
Woolfenden, J.M.
Detection of bronchopleural-subarachnoid fistula by radionuclide myelography: case report. 373661
Woollam, J.A.
Upper critical field of copper molybdenum sulfide. 365131
Woolley, M.L.
On nonlinear axisymmetric equilibria in the magnetohydrodynamic approximation. 369008
On the invariance transformations of the energy-momentum tensor in the Einstein-Maxwell theory. 363860
Woolson, W.A.
Borehole model calculations for direct uranium measurement with neutrons. Final report. (GJBX – 44(77)) 362591
Woosley, S.
CRSEC: a general purpose Hauser – Feshbach code for the calculation of nuclear cross-sections and thermonuclear reaction rates. (UCID – 17600) 372689
Woosley, S.E.
Presupernova evolution of massive stars. (UCRL – 80460) 377663
Wooster, W.E.
Structural rearrangements of chromosomes in the domestic chicken: experimental production by X-irradiation of spermatozoa. 360278
Wootten, H.A.
Detection of interstellar DNC. 359166
Observations of DCO^+: the electron abundance in dark clouds. 372179

Wootton, A.J.
Compression experiments on a tokamak plasma. (INIS-mf – 3963) 372004
Equilibrium, stability and confinement of elliptic cross-sectioned tokamak plasma. (INIS-mf – 3963) 372095
Wootton, P.
Measurement of photon dose fraction in a neutron radiotherapy beam. 352353
Word, R.
On the detection of nuclear spin waves by inelastic neutron scattering. 353504
Worden, E.F.
Identification of Rydberg states in the atomic lanthanides and actinides. (UCRL – 79550) 358802
Multiphoton spectroscopy in heavy elements. (UCRL – 79470) 363926
Rydberg series in the lanthanides and actinides observed by stepwise laser excitation. (UCRL – 79521) 361406
Worden, R.P.
Regge phenomenology. 372439
Worden, S.P.
Direct observations of the heterogeneity of supergiant disks. 369101
Worden, W.P.
Treatment of radioactive wastes generated during the chemical cleaning of Dresden-1. 357778
Worledge, D.H.
An operator representation of failure and repair. 374171
The use of regeneration diagrams to solve component reliability problems. 374532
Worley, L.C.
Exxon Nuclear Company WREM-based generic PWR ECCS evaluation model: Palisades type combustion engineering plant large break example problem. (XN – 75-64(A)) 373831
Worlton, D.C.
Detection of fuel rod leakage. (US patent document 4,039,375/A/) 365838
Wormald, M.R.
A towed sea-bed gamma-ray spectrometer for continental shelf surveys. 376002
Worrall, D.M.
Galactic centre γ-rays from trapped cosmic rays. 364433
Worrell, R.B.
Qualitative analysis in reliability and safety studies. 357827
Worrell, W.L.
Investigation of high temperature thermodynamic properties in the Pt – Zr and Pt – Hf systems. 351779, 357306
Worster, R.C.
The effect of pump cavitation on the design of the primary pumps for C.F.R. (IWGFR – 9) 350269
Worthen, G.S.
Digital SLIFER Recorder, Model A. (SAND – 77-0930) 379967
Worthington, J.N.
Channeling of positive and negative pions in a silicon crystal. (CONF-770931 – 5) 375092
Energetic charged particle yields induced by pions on complex nuclei. 359494
Wortman, O.
Toward an Argentine nuclear industry. 352709
Wortmann, G.
Effect of pressure on Moessbauer isomer shift and magnetic hyperfine field in europium metal. 374728
Pressure dependence of the electric field gradient at ^{181}Ta in Group IIIB metals: Sc, Y, Lu. 375822
A TDPAC high-pressure study of the electric-field gradients at tantalum in ω-zirconium. 375821
Worzala, F.J.
Dilute aluminium alloys: their potential in superconducting devices. 359935
Wotjtczak, L.
On an almost complex manifold approach to elementary particles. 375038
Wotschack, J.
A detector for high-energy neutrino interactions. 379899
Is there a high-y anomaly in antineutrino interactions. 351222
Measurement of the neutral to charged current cross section ratio in neutrino and antineutrino interactions. 361888
Observation of a neutrino event with four energetic muons. 372525
Observation of trimuon events produced in neutrino and antineutrino interactions. 356511
Study of inclusive neutral current interactions of neutrinos and antineutrinos. 369377
Wottschack, J.
Like-sign dimuon events produced in narrow-band neutrino and antineutrino beams. 356512
Wouch, G.
Containerless processing of beryllium. Final report. (N – 77-27211) 378577
Woude, A. van der
The (α,α'f) reaction on ^{232}Th. (INIS-mf – 4267) 378044
Four-nucleon pickup from ^{64}Zn and ^{64}Ni. 372762
Giant resonances in light nuclei. (INIS-mf – 4267) 377978
Woulds, J.N.
Measurement of the polarization parameter for antiproton-proton annihilation into charged pion and kaon pairs between 1.0 and 2.2 GeV/c. 353949
Woulfe, R.
Labelling of fly ash with sup(99m)Tc. 357093
Wouters, R. de
Flux synthesis programme KASY for the approximate solution of the three-dimensional multigroup-neutron-diffusion-equation. 350106
Woyton, A.
Studies on the absorption of epoxy resin ^{14}C-epidian 5 through the skin of guinea pigs. 367607
Wozniak, D.G.
J/sub c/ changes after neutron irradiation of Nb$_3$Sn at 8 K. 373166
Wozniak, G.J.
Evidence for the characterization of heavy-ion reactions by the ratio E/B. 354236
Transitional features observed in the charge and angular distributions of deeply inelastic fragments produced in the reactions ^{181}Ta+620 MeV ^{86}Kr. 372722
Wozniak, J.
Hydrogen in coal. The feasibility of determination by neutron methods. 376645
Wozniak, M.
Studies on the absorption of epoxy resin ^{14}C-epidian 5 .through the skin of guinea pigs. 367607
Wozniakova, B.
Use of radioisotopes in studying admixture distribution in zone refining. 379403
Wraight, C.A.
Membrane potential and microsecond to millisecond delayed light emission after a single excitation flash in isolated chloroplasts. 367456
Wranglen, G.
Gold and selective storage solves nuclear waste problem. 368407
Nuclear waste disposal: coating of containers with gold – a reasonable storage method. 352889
Wray, E.M.
Geometry factors for experiments in radioactivity. 361066
Wray, J.D.
Skylab SO19 ultraviolet spectra of HD153919 (=3U1700-37) and HDE226868 (=Cyg X-1). (CONF-7510169 –) 364355
Spectral calssification with objective-prism spectra from Skylab. 369102
Wreathall, J.
Common-mode failures in reactor safety systems. 362953
Wrenn, M.E.
Americium-241 in bile and feces. (COO – 3382-16) 379106
Assay for Pb-210 in the urine of selected residents of Grand Junction, Colorado. (COO – 3382-16) 379119
Chelation of curium in the adult baboon using Ca- and Zn-DTPA. (COO – 3382-16) 379105
Design and application of a continuous, digital-output, environmental radon measuring instrument. (HASL – 325) 378944
Determination of the efficacy of orally administered Ca-EDTA for the provocative chelation of Pb-210 from the skeleton of the baboon. (COO – 3382-16) 379120
Estimation of skeletal burden of 'bone-seeking' radionuclides in man from in vivo scintillation measurements of the head. 365415
In vivo scintillation measurements for Pb-210 deposited in the skeleton and bioassay for Pb-210 in the urine of former uranium miners. (COO – 3382-16) 379118
Long term behavior of Am-141 in an adult and a youth. (COO – 3382-16) 379104
Metabolic model for uranium metabolism in man. (COO – 3382-16) 379126
Radioactivity studies. Progress report, July 1, 1976 – June 30, 1977. (COO – 3382-16) 379090, 379104, 379105, 379106, 379107, 379118, 379119, 379120, 379126
The U.S. national voluntary concensus nuclear standards program in radiation protection (ANSI N-13). 355018
Wriekat, A.
Differential cross sections for p-^{4}He elastic scattering at GeV energies. 354220
Wright, A.
Radial damping by octupole for ZGS beam. 363188
Wright, A.C.
The structure of neutron irradiated silica. 365239
Wright, A.C.D.
Charmed baryon pair production in e^+e^- annihilation. 361863
Some electromagnetic properties of charmed mesons. 372365
Wright, A.E.
In-pile experiments and test facilities proposed for fast reactor safety. (CONF-761001 – P2) 362940
The Parkes 2700 MHz survey (Thirteenth part). 361731
Silicon diode detectors used in radiological physics measurements. Part I: Development of an energy compensating shield. 374317
The spectrum of H1-36 (= 3U1746-37) at radio wavelengths. 349024
Summary and evaluation of fuel dynamics transient-overpower experiments: status 1974. (ANL – 77-44) 379233
Wright, A.L.
Fuel Aerosol Simulant Test (FAST) plan. (ORNL/NUREG/TM – 129) 365625
Wright, E.L.
Far-infrared observations on HII regions with a large balloon-borne telescope. 372309
Wright, F.D.
Radioimmunoassay for 3,3'-L-diiodothyronine (3,3'T$_2$). 357634
Wright, H.A.
Microdosimetry, biological modeling, and theoretical biophysics. (ORNL – 5171) 366918
Wright, H.L.
Distribution of fission yields for fission spectrum neutron-induced

fission of uranium-238. 372763
Wright, J.J.
High resolution studies of extensive Ne L-shell excitation by energetic heavy ion impact. 358849
Recoil ion spectroscopy in the XUV – soft X-ray region following heavy ion impact on thin gas targets. 358825
Wright, J.S.
Reactivity bands in atom – molecule collisions. III. The coplanar (H, H_2) reaction. 368707
Wright, K.A.
Experience at Deer Island with electron disinfection of sludge at high flow rates. (INIS-mf – 4220) 379416
Wright, L.E.
A new technique for calculating virtual photon spectra. 354114
Wright, M.C.H.
Accurate H_2O source positions in W3. 351012
Wright, M.G.
The anisotropy of zirconium-2.5 wt% niobium fuel cladding after creep and irradiation. (AECL – 5810) 360102
Wright, P.C.
A theory of (p,2p) reactions at medium energies. (FIAS-R – 24) 356668
Wright, R.E.
Optical telemetry control and data transfer system. (CONF-771029 – 70) 372096
Wright, S.A.
Designs for in-reactor sodium boiling detection and generation. (CONF-761001 – P2) 363045
In-core fuel motion detection in the Sandia Pulse Reactor. (SAND – 77-1015C) 368257
Wright, T.P.
Propagation of pinched electron beams for pellet fusion. 350907
REB propagation and combination in plasma channels. (SAND – 77-1548C) 368974
Theoretical considerations of magnetic cusps for electron-beam fusion systems. (SAND – 77-0593) 350971
Wright, T.R.
Powder metallurgy processing of uranium alloys. 373143
Wrixon, A.D.
Doses from krypton-85 in the gas liquefaction industry. 355051
The risks from ionisation smoke detectors. 355060
Wroath, P.D.
Measurement of differential cross sections for elastic K^+p scattering in the momentum range 0.7 to 1.9 GeV/c. 372511
Wrobel, D.M.
Frequency of hepatitis B surface antibody (anti-HBs) in various Canadian populations as measured by modified solid-phase radioimmunoassay. 360391
Wrobel, S.
Dielectric relaxation in the isotropic, nematic and solid phases of p-azoxyanisole in the radio and microwave frequency range. 371702
Wroblewski, A.
High multiplicity π^-d interactions at 21 GeV/c. 356503
Inclusive π^0 production in π^+p interactions at 16 GeV/c. 366818
Wrona, B.J.
Apparatus to simulate nuclear heating in advanced fuels. (ANL-AFP – 22) 365994
Effect of pellet density and axial restraint on failure threshold. 352312
Experimental study of advanced fuel-pin failure phenomena. 379824
Wronkowski, A.
The Moessbauer effect and magnetometric investigations of iron-doped sodium A-type zeolite. 374666
Wronski, C.R.
Optical and photoconductive properties of discharge-produced amorphous silicon. 373328
Wronski, T.J.
^{239}Pu standards for quantitative neutron-induced autoradiography. (COO – 119-252) 373626
Preliminary report on the correlation of the rate of trabecular bone turnover and ^{239}Pu concentration on trabecular surfaces with the incidence of osteosarcoma at selected skeletal sites. (COO – 119-252) 373634
Wronski, Z.
Mathematical models of contamination migrations near atomic stations. Pt. 1. System analysis – new philosophy of environmental protection. 355011
Wu, C.S.
β spectra of ^{12}B and ^{12}N reanalyzed. 351319
Synchrotron emissivity near the electron cyclotron and upper hybrid frequencies. 350845
Wu, C.T.
Added precision in ^{57}Fe Moessbauer spectroscopy. 355524
Wu, D.L.
Site-dependent seismic response spectra for soft sites. 379230
Wu, H.
General relativity and cosmology. 366297
Wu, H.H.
A ^{2}PI/sub u/ state of N_2^+. 353388
Wu, H.P.
Cerebrospinal fluid kinetics in normal human volunteers via radionuclide imaging and mathematical modelling. 354952
Wu, J.
A semiclassical Coulomb collision model for alignment of the 2p shell with one vacancy. 377081
Wu, J.L.
Effects of solvent-solute interactions on the stereochemical course of the high-energy chlorine-38 for chlorine substitution process in diastereomeric dichloroalkanes in the condensed phase. 365034
Stereochemical course of the chlorine-38 for chlorine substitution in diastereomeric and enantiomeric compounds. 378441
Wu, K.T.
Dissociative fragmentation processes in the reactions of metastable He(2^3S) with NO_2, COS, H_2O, H_2S and HCN. 353391, 377148
Wu, M.W.
Measurement of the ^{58}Ni(n,p)^{58}Co cross section with H(n,n)p as a standard. 356922
Wu, P.C.S.
Preparation and characterization of sodium and transition metal double oxides. (CONF-760503 – P2) 352787
Wu, P.H.L.
Distribution of radioactivities in sugars from acetate-2-^{14}C incubation and elemental content of some vascular plants in two diverse habitats of Glacier Bay, Alaska. 349882
Wu, R.L.C.
A long-lived excited state of O_3^-; evidence from collision-induced dissociation. 353389
Wu, S.-C.
^{9}Be + ^{12}C, ^{9}Be + ^{16}O, ^{9}Be + ^{19}F reactions at energies below the barrier. 359528
Wu, S.T.
Dynamic modeling of coronal and interplanetary responses to solar events. 372310
Study of travelling interplanetary phenomena 1977. 372113, 372117, 372141, 372159, 372188, 372190, 372192, 372196, 372208, 372221, 372242, 372249, 372260, 372266, 372269, 372275, 372296, 372299, 372306, 372310
Wu, T.T.
Exact solutions of the Boltzmann equation. 350519
Failure of Bartels' scheme of applying Reggeon field theory to a spontaneously broken Yang-Mills theory. 361298
High energy behavior of two-body elastic amplitudes in gauge field theories. 361827
Some properties of monopole harmonics. 363861
Speculations on quark observation. 369313
Two-dimensional Yang-Mills theory in the leading 1/N expansion. 361326
Wu, W.
Climb of dislocations in boron-ion-implanted silicon. 351877
Shrinkage of rod-shaped defects in boron-ion-implanted silicon. 351876
Wuebbles, D.J.
Temperature feedback in a stratospheric model. 365327
Wuellner, G.
Valves for the sodium-cooled fast breeder KKW Kalkar (SNR 300). 376591
Wueneke, C.-D.
A computer code for calculating the atmospheric transport of radioactive pollutants under inhomogeneous and instationary conditions. 370627
Meteorological diffusion models for a computer program for instationary and inhomogeneous dispersion of radioactive pollutants. 370624
Wueneke, C.D.
Modelling of the diffusion of pollutants in the atmosphere under varying conditions in large cultivated regions. (KFK – 2435) 358610
Wuennenberg, H.
Inelastic analysis for fatigue assessment in the high-temperature region. 367990
Wuensch, K.D.
Experimental indication of the onset of nuclear deformation in neutron-rich Sr isotopes at mass 98. 367014
Wuenschmann, A.
B and W/USA operational experience with fuel elements. 370946
Wuerdinger, H.
Therapy dependent metabolic and immunologic reactions of the thyroid. (INIS-mf – 4010) 370420
Wuersching, E.
On sawtooth oscillations and MHD modes in the W VII A stellarator. (INIS-mf – 3963) 371780
Wuerz, H.
In-line determination of fissile material in high-activity solutions. 367203
Wuest, N.
The study of the (n,α) and (n,γα) reactions on ^{143}Nd. 356677
Wuest, S.
Ascertaining the failure rates of Diesel aggregates and electronic plug-in units for determining the failure probability of safety systems. 352480
Wuestefeld, G.
Spectroscopic examination of the argon $L_{2,3}$-Auger spectrum following excitation by light projectiles. 377104
Spectroscopic examination of the argon Lsub(2,3)-Auger spectrum following excitation by light projectiles. 358812
Wulff, H.
Calculations of the stellar structure of so-called degenerate stars using a new pressure function. (IPP – R-21) 356323
Wulff, W.
Analyses and computer code developments for accident-induced thermohydraulic transients in water-cooled nuclear reactor systems. (BNL-NUREG – 22734) 367802
Wullaert, R.A.
Evaluation of the Maine Yankee reactor beltline materials. (IAEA – 202) 376480
Fracture toughness data for ferritic nuclear pressure vessel materials. Task A: Volume II. Part I: Appendices 1-4. (EPRI-

NP – 121(Vol.2)(Pt.1)) 351821, 357345
New method for determining radiation embrittlement in reactor vessel surveillance. (IAEA – 202) 376479
Wunderlich, F.
The influence of thermal feedback on the ramping behaviour of LWR fuel rods. 370899
Wunderlich, M.
The influence of power plants on aquatic plankton microorganisms. 357522
Wunsch, D.C.
Some pertinent AFWL activities and interests in high power switching. (EPRI-ER – 376-SR) 361551
Wurm, J.P.
Pre-equilibrium alpha emission accompanying deep-inelastic $^{16}O + ^{58}Ni$ collisions. 354207
Wurster, W.
Separation of krypton and xenon from the offgas of nuclear facilities. (KFK – 2435) 357914
Wuryanto
Review on heavy water separation at pilot scale. (PPGM – R90-76) 367860
Wurzbach, J.A.
Radiation effects and metalloproteins studied by x-ray photoelectron spectroscopy. (LBL – 4677) 378549
Wusteman, F.S.
The catabolism of intravenously injected heparan N-[^{35}S]sulphate in the rat. 352069
Wyart, J.-F.
Study of the atomic spectrum of holmium. I. 353390
Wyckoff, S.
Iron hydride in stellar atmospheres. 374938
Proper motion of the Crab pulsar. 349038
Seyfert galaxies with large z: an electronographic survey. 356342
Wydler, P.
Neptunium recycling in gas-cooled fast breeders to improve the reactivity coefficient in case of steam ingress into the core. 370997
Wyk, G.N. van
Increase of range of Ni^+ ions in Cu due to ion bombardment induced crystalline reorientation. 371683
Temperature dependence of defect production during proton irradiation of n-type silicon. 370245
Wyld, H.W. Jr.
Reanalysis of three-pion production data with fully analytic, unitary functions. 351193
Wylie, A.W.
Use of neutron capture gamma radiation for determining grade of iron ore in blast holes and exploration holes. 375977
Wylie, B.A.
Experience with an automatic isodose plotter. 365646
Wylie, J.W.
The spark counting of etched fission-fragment tracks in polycarbonate for a personal neutron dosimetry system. (AERE-R – 8844) 366021
Wylie, W.
Measuring of differential cross section of the $^7Li(p,n)^7Be$ (4,53 MeV)$^+$. 364757
Wylie, W.R.
Measurement of relative cross section for the activation of rhodium with neutrons. 354204
Study of the reactions $^7Li(p,n)^7Be$ with a time-of-flight system. 354276
Wymer, R.G.
Technology of the light water reactor fuel cycle. (CONF-760744 –) 358564
Wynalda, M.A.
Radioimmunoassay for thromboxane B_2. 362770
Wynberg, H.
Rapid synthesis and purification of carbon-11 labelled DOPA: a potential agent for brain studies. 375655
Wynhoff, N.
Close-coupled x-ray analysis of mixed oxide fuels. (HEDL-SA – 1271-FP) 380128
Wynn-Williams, C.G.
Radio emission from the infrared source CRL 618, an extremely young planetary nebula. 356349
Wynn, J.
Preliminary results of effect of environment on the low cycle fatigue behaviour of type 316 stainless steel and 9%Cr ferritic steel. 354576, 360004
Wynne-Jones, I.
Detection of hyperfine structure of interstellar Na I in the α Cygni sight-line. 374980
Wynne, B.
The politics of nuclear safety. 370628
Wyns, J.
Far-infrared absorption in ultrafine N particles. 356360
Wypych, M.
The mechanism of radiothermoluminescence of aliphatic ketones. 375693
Wysopolski, J.
Assessment of radiation exposure of personnel during clinical application of radioactive iridium. 373565
Exposure of personnel to ionizing radition during implantation of metallic radioactive gold (^{198}Au). 367824
Wysor, R.B.
Design of a three-meter, 7.5-TESLA superconducting segment test facility. (CONF-771029 – 109) 372082
Wyss, C.
Phase displacement acceleration of high intensity stacks in the CERN ISR. 363189
Wyton, W.W.
Method and apparatus for monitoring the flow of solids. 357894
Wyttenbach, A.
Determination of impurities in ice-cores from the Jungfrau-Joch by neutron activation analysis. 372940
Measurement of gamma-rays, neutrons and charged particles after π^--capture in nuclei. 378077
Probabilities of muon induced nuclear reactions involving charged particle emission. 372832
Xavier, R.M.
On the origin of the exchange interaction in EuO and EuS. 358887
Yaaniste, Ya.A.
Accretion theory of spiral structure of galaxies. 369237
Yaanson, N.A.
Defects and thermostimulated luminescence of KBr whiskers and macrocrystals of high purity. (INIS-mf – 3993) 377318
Yabe, Akira
Calculation methods of internal radiation dose. (NIRS-M – 20) 379357
Yabe, T.
Possibility of stable implosion of structured pellet I. (IPPJ – 293) 377574
Yabe, Takashi
Electron-flux limitation due to ion acoustic instability. 372097
Yablokov, B.N.
Measurement of energy spectrum of high-current electron beams. 376640
Yablokov, Yu.V.
Studying phase transformations in $CsSrCl_3$ by EPR method. (INIS-mf – 3955) 377303
Yablon'ski, A.
Complex compounds of rare earths (3) with β-aminopropylphosphonic acid. 351587
Yablon'skij, Z.
Monte Carlo simulation of high-energy electromagnetic showers in air. 361748
Yablonskij, D.A.
On the phase transformations in ferrites in the vicinity of the compensation point. 349439
Yablonskij, O.P.
Complexing of variable-valence metals with alcohols. 351575
Yabushita, S.
On the effect of gas pressure in the theory of line accretion. 372311
Yabuzaki, Tsutomu
Optical pumping of gaseous atoms. 377147
Yachi, Shigeyasu
Standard water capsule and instrumentation for NSRR experiments. (JAERI-M – 7105) 368258
Yachnin, S.
Inhibition of human lymphocyte transformation by human alpha-foetoprotein (HAFP): studies on the mode of HAFP action and the role of HAFP polymorphism. 376155
Yada, T.
Experimental evaluation of half bead weld repairment for nuclear pressure vessels. 369887
Yadav, H.L.
Anomalies in the yrast band of Pt and Hg isotopes. (ZfK – 336) 364728
Decoupled and strongly coupled particles system in odd-odd mass nuclei. 362025
Positive-parity states in Pt and Hg isotopes and the coriolis antipairing effect in the deformed-rotor model. 372690
Yadavalli, S.V.
Synchronous slow space-charge wave accelerators (SSWA). 367987
Yadigaroglu, G.
Criteria for assessing radioactive waste management schemes. 352326
Rewetting and liquid entrainment during reflooding: state of the art. (EPRI-NP – 435) 357766
UC-B reflood experimental plan. (EPRI-NP – 457) 358205
Yadrovskij, E.
Microscopic and phenomenological parameters of isobaric analog resonances. 375143
Yadrovskij, E.L.
On the dominant role of noncollective monopole states in violation of the O^+ isobar analog state isospin purity of intermediate and heavy nuclei. 375142
Yaegashi, Y.
Depth distribution of knock-on nitrogen in Si by phosphorus implantation through Si_3N_4 films. 360092
Yaek, I.V.
Use of polarization method for study of luminescence of powder crystal phospors. 354390
Yafaev, D.R.
On the number of discrete levels in the quantum three-particle problem. 348626
Yafaev, N.P.
Spectroscopy of admixture centers of iron in crystals of lithium niobates. (INIS-mf – 3955) 378227
Yaffe, L.
Activation analysis of Turkish and Canadian clays and Turkish pottery. 372837
Formation of ^{24}Na in 'fission-like' reactions. 354209
Nuclear charge dispersion studies in the light-mass region formed in the fission of ^{238}U by protons of energy 35-85 MeV. 362064
Preparation of carrier-free Kr by (p,xn) reactions on natural bromine. 365655

Yaffe, L.G.
Canonical treatment of "noncanonical"gauges for constrained Hamiltonian systems. 358690
Yagasaki, Kazumi
Liver lipid accumulation and fatty acid flux in rats fed a low protein diet containing purified whole egg protein. 349883
Yagawa, G.
Application of finite element dynamic analysis to fracture mechanics. (INIS-mf – 3847) 358050
Yagawa, Genki
Structural reliability and its proving in reactor technology. 374151
Yager, P.M.
Extraction of average multiplicities of high-energy off-mass-shell ππ and Kπ scattering. 359338
High-mass K* production in K⁺d interactions at 9 GeV/c. 372509
Yagi, E.
Defect structures of slightly reduced semiconducting rutile as observed by the channelling method. 370246
Yagi, Eiji
Development of a continuous cold trap of fluidized bed. (JAERI-M – 7064) 367205
Feasibility study for removal of SiC coating in HTGR-type fuel by F_2-fluorination. (JAERI-M – 7060) 350240
Yagi, Kozo
1300MVA steam-turbine generators for Kansai Electric Power's Oi Nuclear Power Station. 350232
Yagi, Masao
Production of radioisotopes with accelerators, (1). 355070
Yagi, Masuo
Production of radioisotopes with accelerators, (2). 379372
Yagi, Takayuki
Radiation doses measured by TLD (thermo luminescent dosimeter) in x-ray examination. 355063
Yagibekov, V.I.
Investigations into the relation between the rock clayness and geophysical parameters (on the example of the Middle Jurassic deposits of the Stepnoe field). 349661
Yagihashi, Shin-ichi
A note on the rates of complex formation of indium(III) with murexide and the decomposition of murexide in the presence of indium(III). 354358
Yagisawa, H.
Accurate electronic energies of He^{++}_2. 363935
Yagnov, V.A.
A high-power laser system for thermonuclear fusion experiments. (IAEA – 200) 353513
Yagodin, G.A.
Investigation of europium extraction with Zr- and Hf-salts of some organic phosphorus acids. 359758
On the effect of heating and storage of zirconium sulfuric-acid solutions on tributyl phosphate extraction of zirconium rhodanide. 378396
To the problem on the complex zirconium disulfate tetrahydrate structure. Studying infrared spectra. 369609
Yagodina, E.P.
Evaluation of reservoir properties and oil and gas content in carbonate deposits from exploitation-geophysical data. 365288
Yagola, A.G.
Reconstruction of local line profiles from observed ones in the Ap-star spectrum. 369085
Yagudina, E.R.
Comparison of experimental distributions of rapidity intervals in inelastic π^-p interactions at 60 GeV with the multiperipheral cluster model. 369341
Yagudina, F.P.
A study of inelastic pion-nucleus interactions at 200 GeV/c in an emulsion. 356481
Yagushkin, N.I.
Fast electron path in dielectric materials. 356548
Yahalom, R.
Development of system hydraulic analytical GETR (SHAG) model used for analyzing incidences of loss of flow. (NEDO – 12628) 362970
GETR multi-channel core model for simulating internal natural circulation. (NEDO – 12663) 365626
Model to predict core pressure during a transient overpower (TOP). 352192
Some aspects of modeling power plant thermal hydraulic transients. 355453
Yahel, R.Z.
On the evolution of central stars of planetary nebulae. 366781
Yajima, S.
Hydrogen sorption in La_2Mg_{17}. 354577
Yajima, Seishi
Analysis of the neutron spectrum by a simple method. 354009
Effect of neutron irradiation on mechanical properties of niobium and Nb-Y alloy. 354627
Embrittlement in neutron irradiated niobium. 373351
Neutron irradiation effects in amorphous Pd-Si alloy. 373352
Neutron irradiation effects on thermally activated process of tensile properties of titanium. 354615
Yakhkind, A.K.
Study of structure of lithium tellurite glasses by infrared spectroscopy. 378346
Yakhontova, V.E.
Determination of cross sections of helium-ion charge exchange on cadmium atoms. (INIS-mf – 3915) 348651
Yakhot, V.
Bosonization and renormalization group treatment of quantum Heisenberg model. (WIS-Ph – 77/22) 366266
Diatomic molecules in a rare gas matrix; vibrational energy accumulation in CO isotopes imbedded in argon. 361335
Renormalization group treatment of quantum Heisenberg model. (WIS-Ph – 77/17) 366267
Yakimakha, A.L.
Program device on microelectronic circuits. 376680
Yakimavichyus, I.A.
Specific features of photoconductivity of CdS in case of additional x-radiation. 350789
Yakimenko, M.N.
Powerful sources of ultraviolet and X radiations. 353171
Yakimov, S.S.
The effect of a resonance r.f. field on the hyperfine structure of nuclear levels in a paramagnetic crystal. 377319
The program for processing of Moessbauer spectra. (IAE – 2541) 356028
Yakinthos, J.K.
Crystal field effects in Dy_2Ni_{17} from Moessbauer spectrscopy. 378602
Yakivchuk, A.I.
The structure and electronic-adsorptive properties of strontium films on (112) face of tungsten monocrystal. 354535
Yakosawa, A.
Asymmetry measurements in nucleon – nucleon scattering with polarized beams and targets at ZGS to Fermilab energies. (ANL-HEP-PR-CP – 77-47) 361905
Yakovenko, L.I.
High-stable transformer direct current transducers. (JINR – 13-9827) 376743
Yakovenko, T.I.
Scattering of 2.9 MeV neutrons by silicon nuclei. (INIS-mf – 3897) 356567
Yakovenko, V.M.
On weak turbulence of potential waves in heated semiconductor plasma. 377161
Yakovitskij, S.P.
Effective cross sections of dissociation of $5p^5$ ²Psup(0)sub(1/2) metastable atoms in collisions with iodine molecules and oxygen atoms. (INIS-mf – 3915) 348723
Yakovkin, I.N.
Interaction of conduction electrons with the (110) face of a tungsten single crystal. 348798
Yakovlenko, S.I.
Optical collisions and nonlinear light absorption by a medium. (IAE – 2392) 355898
Yakovlev, A.Ya.
On optimization of construction costs for the radiation shielding and for the health protection zone of charged-particle accelerators. 379520
Some aspects for planning of accelerator complexes. 365760
Yakovlev, B.M.
Photoactivation analysis for silver, hafnium and gold content in rocks and ores. 376028
Using scintillation gamma spectrometry in photoactivation analysis. 376027
Yakovlev, B.S.
Nonhomogeneous charge neutralization kinetics in nonpolar organic solids (extended abstract). 362241
Scavenging of localized and quasifree electrons in liquid hydrocarbons (extended abstract). 362247
Thermal emission of excess electrons from liquid hydrocarbons. 362246
Yakovlev, D.G.
Coulomb deceleration of fast protons in a strong magnetic field. 376933
Yakovlev, G.V.
Equipment for experiments on study of properties characterizing acoustic emission. (IAE – 2620) 376747
Yakovlev, L.G.
Calculation of cross-sections of electron-molecule elastic collisions. 358696
Solution of phase equation for electron scattering on two-atom molecules. (INIS-mf – 3915) 348746
Yakovlev, O.I.
Turbulence and velocity of the plasma near the Sun deduced from "Venera-10" radio transmission experiments. 369069
Yakovlev, V.A.
On radiation oxidative destruction of ionites. 369809
Yakovlev, V.I.
Characteristics of cosmic hadron interactions. 361721
Energy of electron-photon and hadron components near extensive air shower axis on the altitude of 3330 m above sea-level. 362600
Yakovlev, V.P.
Development and study on sections of Marx generator for power pulse systems. (INIS-mf – 3954) 361648
Yakovlev, V.V.
Hydrodynamics of a lithium blanket of a thermonuclear reactor. (INIS-mf – 3954) 364153
Yakovlev, Yu.B.
Potentiometric study of indium (3) ions hydrolysis in aqueous-dioxane solutions. 378442
Yakovlev, Yu.M.
Spin wave relaxation processes in calcium-vanadium-iron garnet. 363943
Yakovlev, Yu.P.
Angular correlations of low-energy charged particles in nuclear disintegrations by high-energy protons. (JINR – 1-8830) 369356
Yakovlev, Yu.V.
Application of neutron-activation and X-ray-radiometric methods

for study of microelements behaviour in atmosphere. (INIS-mf - 3994) 378186
Yakovleva, B.G.
Determination of excess component in non-stoichiometric cadmium telluride crystals. 349192
Yakovleva, Eh.D.
Statistical modelling of boron nitride fibers production technology. 357386
Yakovleva, N.G.
Quantitative regularities of the injury and repair of MNS system of rats exposed to single and continuous external γ-irradiations. 370377
Yakovleva, T.B.
Some regularities in hafnium oxidation when heated in air. (INIS-mf - 3839) 367142
Yakovleva, V.P.
Biochemical characteristics of blood serium of cows affected by nuclear fission products. 376145
On the action of strontium-90 on blood serum glycoproteids of pigs. 370421
Yakshin, E.K.
Radioactivity of cover gases in a fast reactor (experienced in BOR-60). (IWGFR - 7) 360969
Yakshin, V.V.
Effect of structure on extraction ability of phosphoric acid amides. 378474
Fast neutron generator. (Soviet patent document 402945/A/) 355078
Intramolecular hydrogen bonding as a model for describing donor-acceptor interactions. 359643
Inversion of transuranium element reactivity in extraction equilibria. 375635
Yakub, L.I.
Dipole magnetic ordering in nuclear spin-systems. 348838
Yakubovich, A.Z.
Results of checking the hypothesis of a possible $^{235}U/^{238}U$ displacement in the nature. 351936
Yakubovich, I.A.
Improvement of rotor-pulsation apparatuses for machining of high-abrasive media. (INIS-mf - 3914) 349572
Yakubovich, O.I.
Radiation copolymerization of resin FL-2. 351630
Yakubovich, S.L.
Device for separate radiometric determination of concentrations of radioactive elements. (Soviet patent document 307696/A/) 356986
Method for separate determination of aluminium and silicon. (Soviet patent document 223948/A/) 356985
X-ray radiometric analysis method. (Soviet patent document 263983/A/) 356984
Yakubovskaya, L.F.
On the role components of Fe-Te-Mo-O catalyst for isobutylene oxidation. 378449
Yakubovskij, E.A.
Search of antinuclei in primary cosmic rays. 356259
Study on interactions of cosmic-ray relativistic nuclei with emulsion nuclei at total decay of a target nucleus and in peripheral collisions. 362110
Yakubson, K.I.
Natural gamma-radiation spectrometry in a complex nuclear-geophysical exploration of alumite ores. 351941
Yakunin, A.Ya.
EPR of gadolinium in zinc sulfide. (INIS-mf - 3955) 377229
Yakushev, A.K.
Device for flattening the intensity of random event fluxes at the multi-channel analyzer input. 358415
Yakushev, A.P.
Numerical study of heat and mass transfer in N_2O_4 turbulent flow in a circular tube and a fuel element cluster. (INIS-mf - 3953) 379436
Yakusheva, N.A.
Electric properties of Alsub(x)Gasub(1-x)As solid solutions doped with tellurium. 356013
Yakushevskaya, F.T.
Kinetics and mechanism of solid-phase reactions of formation of yttrium ferrite with garnet structure. 369687
Yakushiji, Kaoru
Operating experience at Shimane Nuclear Power Plant. 355377
Yakushin, A.N.
Definition of optimal characteristics of plate-ribled heat exchangers. 379441
Yakushin, V.K.
Photoluminescent properties and optical gain of CdS, CdSe monocrystals excited by electron beam. 348770
Yakushin, V.L.
Study on molybdenium and its alloys for thermonuclear reactors. (INIS-mf - 3954) 362547
Yakushov, V.A.
Metallic coating with diffusion yoining by centrifugal method. (INIS-mf - 4046) 369859
Yakutin, A.E.
Fabrication of lavsan heads for sensitive volumes of liquid hydrogen targets. 376337
Yakutovich, M.V.
Some considerations on embrittlement of polycrystalline metals while testing under creep conditions. (INIS-mf - 4190) 375909
Yal'tsev, V.N.
Technique for study on the texture of internal surfaces of cylindrical bodies. (Soviet patent document 463897/A/) 368838
Yalyshev, Yu.I.
Optical orientation of 4f electrons in paramagnetic europium chalcogenides. 371703
Yam, C.F.
A sensitive radiometric assay for cysteic acid decarboxylase activity in crude enzyme preparations of rat liver and brain. 352176
Yamabe, Masaki
The theoretical estimation of the G-values for the ionization and excitation of thirty-eight gaseous compounds irradiated by 100 keV electrons. 359798
Yamabe, T.
Theory of the ionization of the hydrogen atom by an external electrostatic field. 358856
Yamada, H.
Dosimetry for human exposures. (ORNL - 5171) 367525
Yamada, Hideo
Iron absorption studies using a ring-type whole body counter. 370501
Yamada, Hironari
Electric monopole and quadrupole matrix elements for the K sup(π) = 0⁺ bands in ^{154}Gd. 359541
Yamada, I.
Ionized-cluster beam technology. 377295
The vapourized-metal cluster ion source and its application to film formation. 370683
Yamada, Isao
Ion implantation into metals. 373392
Yamada, K.
Cost analyses of uranium enrichment by laser isotope separation process. 352339
Measurements of small ion currents in magnetic scanning type mass spectrometers. 363625
Optimum operating conditions for a laser uranium enrichment plant. 352340
Yamada, Kazuo
Development of burnup measurements for fast reactor fuel. (4). (PNCT - 831-76-01) 379825
Quantum hydrodynamics and two-fluid dynamics. 353739
Yamada, Keiji
Control rod drives. 360864
Yamada, Kimio
Device for separating uranium isotopes. 367856
Yamada, Koji
Comparative studies on mathematical analysis and graphical analysis of the xenon-133 washout curve. 354941
The nuclear quadrupole resonance of dibromoiodate ions. 367110
Principal axes of the EFG tensors and torsional oscillations in boron triiodide. 354360
Yamada, M.
Anomalous slowing of a perpendicularly injected ion beam in both quasilinear and trapping regimes. 364267
Anomalous slowing of a perpendicularly-injected ion beam in both quasilinear and trapping regimes. (PPPL - 1357) 356167
Yamada, Masami
Gross theory of beta-decay and half-lives of short-lived nuclei. (KURRI-TR - 145) 377948
Yamada, Masao
Vacuum vessel for plasma devices. 348981
Yamada, Naoyuki
Roentgenologic study on radius and ulna of a surgeon with skin carcinoma of the hand induced by occupational x-ray exposure. 360292
Yamada, Noriyoshi
On the numerical expression of the degree of rock weathering. 367388
Yamada, R.
Application of finite element method to ring compression test. 355241
Graphite surface erosion by 100 keV helium and hydrogen bombardment. 373385
Surface erosions by energetic helium and hydrogen bombardment of molybdenum and pyrolytic graphite. 368993
Yamada, Rayji
Observation on surface deformation of pyrolytic graphite bombarded by 100 keV He^+, H^+ ions. 354619
Sputtering yield measurement on first wall materials of thermonuclear fusion devices. 359018
Surface roughness effects on blister formation in polycrystalline molybdenum. (JAERI-M - 7182) 366461
Yamada, S.
Evidence for the F meson. 353947
Measurements of tau decay modes and a precise determination of the mass. 372505
On the origin of inclusive electron events in e^+e^- annihilation between 3.6 and 5.2 GeV. 353772
On the semileptonic decay of charmed hadrons. 356496
Yamada, Satoru
(p,d) reactions at 52 MeV, 3. 354247
Yamada, Shigeru
Excited states and transitions in ^{106}Pd from the decay of $^{106}Rhsup(g)$. 372802
Yamada, Shoji
Purification of rat intestinal receptor for intrinsic factor-vitamin B_{12} complex. 367720
Yamada, Shuji
Reactor. 360837
Yamada, Sunao
Preparation and characterization of oxo(2,3,17,18-tetramethyl-7,8,12,13-tetraethylcorrolato)molybdenum(V). 367108

Yamada, T.
A neutron shutter for a cyclotron facility. 358007
NIRS-Chiba isochronous cyclotron 1976. (NIRS-M – 15) 376382
Public acceptance of nuclear power development in Japan. 352313, 370629
Yamada, Tasaburo
Review of current status of LWR safety research in Japan. 367803
Yamada, Teruyo
Effects of gamma-ray irradiation on rabbit lens. 360263
Yamada, Yoshihiro
Gamma ray measurements with Pb-foiled plastic scintillator. 350325
Yamada, Yoshiyuki
Heating of plasma focus by TEA CO_2 laser, (2). 359029
Neutron yield enhancement in a CO_2 laser irradiated plasma focus. 372055
Yamada, Yukio
Effect of radiation heat transfer on the performance of high temperature heat exchanger, (2). 379712
Yamagata, Isao
The influence of irradiation with ^{60}Co-gamma ray on rabbit's submandibular gland. 354800
Yamagata, Shisei
Clinical studies on gastric cancer and breast cancer among A-bomb survivors. 354826
Yamagishi, Hisao
Excitation of ionic acoustic waves by non-linear Bernstein waves. 377480
Yamagishi, Tomejiro
Energy balance in two-component plasma. 348982
Yamagishi, Yoshiaki
Control rod for a fast breeder. 379592
Liquid metal cooled fast breeder reactor. 368224
Liquid metal cooled fast breeder. 368225
Liquid-metal cooled fast breeder. 360999
Yamaguchi, Asami
Comparison of radiometric standards in the far ultraviolet region. 355626
Observation of the centre-to-limb variations of the sun in the vacuum ultraviolet region. 353705
Yamaguchi, Atsumi
Intracellular dynamic state of tumor-philic radionuclides, 1. 379116
Yamaguchi, Atsunori
Liquid metal cooled nuclear reactor. 368228, 368229
Yamaguchi, C.
An electrolytic enrichment cell and a reduction system for the measurement of low level tritium concentration in water. 363626
Yamaguchi, Chiri
A new method for MPC calculation using the absorbed dose data of MIRD pamphlet No. 11. 355061
Yamaguchi, Hiroshi
The transformation method for the MIRD absorbed fraction as applied to Japanese physiques. (NIRS-M – 14) 379358
Yamaguchi, Isoo
Method of partitioning high-level fuel reprocessing waste. (JAERI-M – 7206) 378473
Yamaguchi, Kiyoji
Environmental radiation monitoring system in nuclear power plant. 350299
Yamaguchi, Mitsugi
Magnetic field coil in nuclear fusion device. 348983
Yamaguchi, N.
Energy transport through high-Z metal foil in a laser-produced plasma. 358982
Laser fusion research in Osaka. (IAEA – 200) 353656
Yamaguchi, Nobuo
Technical considerations for functional imaging of regional cerebral blood flow with ^{133}Xe. 349853, 379193
Yamaguchi, S.
Channeling study on the thermal motion of deuterium in palladium alloy. (INIS-mf – 3996) 364131
Yamaguchi, Shoji
Transmission characteristics of moving dielectric slab system. 348925
Yamaguchi, Y.-I.
Electron scavenging in the radiolysis of supercritical butenes. 362274
Yamaguchi, Yoshio
Effects of the tensor force on psi' and X's in the charmonium model. 372496
On a test of Fujii's theory of gravitation. 371449
Yamaguti, Tasaburo
Positive particle beam deposition of some metallic films. 371704
Yamaji, Y.
Mock-up experiment and analysis for the primary shield of the N.S. MUTSU. 368262
Yamakawa, Yoshihide
The formation of isoamyl acetate from isoamyl alcohol by cellular suspensions of cladosporium cladosporioides No.9, (1). 354972
Formation of isoamyl alcohol and isoamyl acetate from L-leucine by cellular suspensions of Cladosporium cladosporioides No. 9. 349884
Yamaki, H.
LMFBR coolant system components development in Japan. 379793
Yamaki, T.
Forward photoproduction of neutral pions on polarized protons in the third resonance region. 366890
Photoproduction of pions on polarized protons and neutrons in the second resonance region. 372502
Yamakita, Hiromi
Gamma-ray induced polymerization and copolymerization of formaldehyde divinyl acetal. 359817
Yamakoshi, Hisao
Energy degradation matrix for inelastic scattering of neutrons. 349097
Yamakoshi, Kazuo
Extremely low level radiation counting techniques. 379963
Yamamoto, A.
An electrostatic separator with built-in high-voltage generators. 379998
Yamamoto, Chiaki
Storage container of radium source newly manufactured for trial for intracavitary irradiation of cancer of the uterine cervix, 2. 355164
The study of safety control for the professional personals in the large dose treatment of Na^{131}I. 355062
Yamamoto, Gisuke
Technical considerations for functional imaging of regional cerebral blood flow with ^{133}Xe. 349853, 379193
Yamamoto, H.
Effect of dissociator nozzle temperature on polarized atomic hydrogen beam intensities. 368716
Yamamoto, Hajime
Measurement of impurity concentration in sodium by automatic plugging indicator. 361091
Yamamoto, Haruya
Observation of anisotropic plasma. 377575
Yamamoto, Hideaki
Introduction to nuclear medicine. 379189
Yamamoto, Hiroaki
Effects of the tensor force on psi' and X's in the charmonium model. 372496
Yamamoto, Hiromasa
On the zenith angle dependence of the infrared oxygen emission of 1.27 μm airglow observed from high altitude. 349682
Radiative transfer of atomic and molecular resonant emissions in the upper atmospheres, 1. 354725
Yamamoto, Hiroshi
Preliminary test of KUR-ISOL. (KURRI-TR – 146) 379839
Tokamak apparatus for turbulent heating of plasma. 358956
Yamamoto, Hiroyuki
The absorption, distribution, metabolism and elimination of β-(p-chlorophenyl)-GABA (Baclofen), 4. 379207
Yamamoto, Ichiro
Value function and separative power for asymmetric separation process. 373909
Yamamoto, Isao
Neutron activation analysis of size-separated airborne dust particles, (2). 349153
Yamamoto, Junji
Neutronics experiments of D-T fast neutrons by application of associated particle method. 359028
Yamamoto, K.
Actual status of sodium cavitation studies in Japan. (IWGFR – 9) 352788
Design considerations of fission and corrosion product in primary system of MONJU. (IWGFR – 7) 361005
A finite formulation of renormalizable field theory based on improved operator products. 371441
Yamamoto, M.
Cost analyses of uranium enrichment by laser isotope separation process. 352339
Energy transfer in the radiolysis of solid hydrocarbons at 77 K; mono-olefins. 359795
Evaluation of the radioactive wastes disposal into the deep ocean. 355646
Optimum operating conditions for a laser uranium enrichment plant. 352340
Yamamoto, Manabu
Device for separating uranium isotopes. 367856
Method of separating uranium isotopes. 349931, 360562
Separation method of uranium isotopes. 360561, 360563
Yamamoto, Masaaki
Control rod for fast breeder. 360862
Yamamoto, Osamu
^{13}C spin-lattice relaxation times in liquid crystalline p,p'-azoxyanisole. 359613
Yamamoto, S.
Behaviour of superthermal electrons in the scrape-off layer of DIVA. 372099
Field emission current instability induced by migrating atoms on W(310)surface. 373284
Formation of a light-impurity-free plasma in DIVA. 374846
Reduction of power loss due to heavy impurities in Diva. (INIS-mf – 3963) 372098
Thermal ratchetting mechanism under cyclic alternating cold and hot shocks with constant primary load. 358066
Yamamoto, S.S.
A simple scanning machine for bubble chamber pictures. 350331
Yamamoto, Seiichi
Radiation doses measured by TLD (thermo luminescent dosimeter) in x-ray examination. 355063
Yamamoto, Shin
Tokamak apparatus for turbulent heating of plasma. 358956
Yamamoto, T.
Contributions of material depths to electron channelling patterns in scanning electron microscopy. 368906
Yamamoto, Tadashi
Extraction-spectrophotometric determination of zirconium with

chlorophosphonazo III. 367060
Yamamoto, Takanobu
Power flattening rod in a reactor. 360865
Yamamoto, Takeo
On the channel box for the fuel bundle of BWR. 350217
Yamamoto, Tatsuo
Glove box for tritium handling. 360683
Safety handling of tritium. 355162
Synthesis of ^{14}C-labelled alkylbenzene sulfonate. 354406
Yamamoto, Tetsuo
Grain formation in nova envelopes. 359189
Yamamoto, Toshimasa
Method of processing radioactive waste. 350391
Yamamoto, Yoshiaki
Multi-cored air showers observed by a combination array of spark chambers and scintillation counters. 355568
Yamamoto, Yuki
Control rod for nuclear reactors. 368080
Yamamura, H.
Study of 2-3 and 2-4 magnesiovanadate spinel solid solutions. 357373
Yamamura, Masatoshi
A note on pairing vibration in the closed shell nuclei. 359425
Yamamura, S.S.
Preparation of working calibration and test materials: uranyl nitrate solution. (PB – 267327) 356987
Yamamura, Y.
Analysis of clustering phenomena based on shock wave model. 373347
Wigner-type continuous slowing down theory for the fast-neutron spectrum. 352457
Yamanaka, Akira
Observation of anisotropic plasma. 377575
Wake effect in rocket observation. 377631
Yamanaka, C.
Energy transport through high-Z metal foil in a laser-produced plasma. 358982
Experimental investigation of chemical reactions of laser-excited uranium atoms. 372983
High power CO_2 laser system for plasma research (Lekko I). (IAEA – 200) 353600
High power glass laser system "Gekko" for fusion research. (IAEA – 200) 353655
Laser fusion research in Osaka. (IAEA – 200) 353656
Measurement of density modification of laser-fusion plasmas. 371732
REB interaction experiments with plasmas. (IAEA – 200) 353599. 377494
Thermonuclear fusion plasma by lasers coupling and implosion. 359041
Yamanaka, Ch.
High-power electro-ionization CO_2 laser system for thermonuclear research. 363114
Yamanaka, Chiyoe
Optical measurement of laser-driven imploding shock wave. 358911
Promotion of research on inertia confinement fusion. 377576
Yamanaka, Kaoru
Threshold of electromagnetic instability in a magnetic neutral sheet. (IPPJ – 301) 377577
Yamanaka, S.
Thermal behavior or hydrated zirconia containing phosphate. 357387
Yamanaka, T.
Energy transport through high-Z metal foil in a laser-produced plasma. 358982
High power glass laser system "Gekko" for fusion research. (IAEA – 200) 353655
Laser fusion research in Osaka. (IAEA – 200) 353656
Measurement of density modification of laser-fusion plasmas. 371732
Thermonuclear fusion plasma by lasers coupling and implosion. 359041
Yamanaka, Tatsuhiko
Optical measurement of laser-driven imploding shock wave. 358911
Yamanari, Shozo
Coolant dispersing device. 368127
Yamane, T.
Resolution of carbon atoms in neutron-irradiated Fe-0.21wt% C-0.2wt%Cu alloy. 370247
Yamanouchi, H.
Safety evaluation of inlet-tube break for a pressure tube type reactor. 376554
Yamanouchi, T.
Observation of a dimuon resonance at 9.5 GeV in 400-GeV proton-nucleus collisions. 351221
Observation of structure in the UPSILON region. 369378
Yamao, Hiroyuki
Bibliographical survey of heat exchangers for nuclear power plants and problems of HTGR. (JAERI-M – 7034) 355444
Yamao, Masami
Developmental changes of ribosomes in content and amino acid incorporating activities in the female pupae of Bombyx mori. 349873
Yamaoka, R.
A variational calculation of ^{12}C in the α-particle model. 350472
Yamashina, T.
In-depth profile of altered layers of copper-nickel alloys formed by sputtering. 368902
Yamashita, Atsushi
Tradescantia in studies of genetic effects of low level radiation. 373511
Yamashita, Hironori
Observation of galactic soft X-ray by K-9M-50. 377614
Observation of galactic soft x-ray by LEINAX-3. 377615
Yamashita, Hiroshi
Study on measurement of trace radioactivity, (2). 359574
Yamashita, J.
Formulation of the sensitisation in LiF thermoluminescence based on a simple two-step reaction rate model. 378816
Yamashita, Jun
Utilization of the higher plants in a study on hereditary effect of low-dose irradiation. (KURRI-TR – 147) 379004
Yamashita, Kazuo
Estimate of electrostatic solvation free energy of electron in various polar solvents by using modified born equation. 354388
Yamashita, Michitaka
Electron-microscopic changes in squamous cell carcinoma of the uterine cervix following linac irradiation. 349762
Yamashita, Mikio
Laser isotope separation. 354389
Yamashita, N.
Lead glass Cerenkov counter of hodoscope type. (INS-TH – 111) 350298
Yamashita, Shin-ichi
Neutron detector for instrumentation of outer shell in a reactor. 368332
Yamashita, T.
Composite TLD based on $CaSO_4$:Tm for γ-rays, X-rays, β-rays and thermal neutrons. 371106
Vortex chain size effect and negative resistance in pin-free superconducting films. 360005
Yamashita, Tadaoki
Trap depth of thermoluminescent $CaSO_4$: Mn. 355600
Yamato, Aiji
Application of Ge(Li) anti-coincidence detector system to environmental sample measurement. (PNCT – 831-77-01) 379950
Coastal observation of Tokai-mura. (PNCT – 831-76-01) 378893
Measurement of continuous diffusion from a fixed source in the coastal water. (PNCT – 831-76-01) 378898
Methods of iodine-129 analysis for environmental monitoring. (PNCT – 831-76-01) 379359
Yamauchi, H.
On-board refrigeration system. 360630
Yamauchi, T.
Reduction of power loss due to heavy impurities in Diva. (INIS-mf – 3963) 372098
Yamauchi, Takeshi
Cylindrical pressure vessel constructed of several layers. (German (F.R.) patent document 2341765/C/) 367936
Yamawaki, Mieko
Phenomenological analysis of the Bjorken-scaling violation in electroproductions. 359328
Yamazaki, K.
Tokamak plasma heating by application of strong poloidally induced electric field. (INIS-mf – 3963) 371896
Yamazaki, Keizo
In-place tests of exhaust equipment in nuclear facility. (KURRI-TR – 148) 350401
Yamazaki, T.
Annual report of Research Center for Nuclear Physics, Osaka University. 361239
Nuclear orientation of Bi isotopes in a ferromagnetic BiMn compound. 356005
Yamazaki, Toshi
Standard water capsule and instrumentation for NSRR experiments. (JAERI-M – 7105) 368258
Yamazaki, Toshio
LOOM-P: a finite element mesh generation program with on-line graphic display. (JAERI-M – 7119) 374527
Yamazaki, Y.
Improvement on removal of radio-cobalt from waste water by ferric hydroxide coagulation-flocculation process using diethyldithiocarbamate. 366082
Yambaryan, P.G.
Application of electronic multiplie CO-I for determination of main component in copper-I and baryte ores and products of their enrichment. 354639
Yamdagni, N.
A search for the I peak at 2.60 GeV/c^2 in 12 GeV/c anti pp interactions in the CERN 2m HBC. 377781
Yamnova, T.P.
Biamperometric consequent titration of multicomponent systems with thiooxine. (INIS-mf – 4192) 375371
Yamshchikov, L.F.
Thermodynamic properties of dilute Ce-Sb solutions. 375910
Yamzin, I.I.
Structure of quartz glass according to the data of neutron diffraction and narrow-angle x-ray scattering. Fast neutron irradiation effects on short-range order. 378814
Yan, C.C.
A method of determining degeneracy of arrangements on a one dimensional lattice. 350790
Yan, G.
INMACS – An approach to on-line nuclear materials accounting and control in a fuel fabrication environment. (AECL – 5902) 361215
Yan, T.M.
Decays of a heavy lepton and an intermediate weak boson in quantum chromodynamics. 364522
Transverse momentum distribution of partons in QCD. 364521

Yan'kov, G.B.
Effects of neutron constants on the neutronic calculation of a thermonuclear reactor blanket. (INIS-mf – 4043) 361589
Yan'kov, V.V.
Plasma heating on the Langmuir collapse. 366546
Yanabu, Takuji
Keage Laboratory of Nuclear Science decennial report 1966 – 1976. 355215
Yanagi, Tadashi
Extraction of uranium(VI) and light lanthanides(III) dissolved in fused (Na-K)SCN eutectic into tetralin with tri-n-octylphosphine oxide. 359576
Yanagida, T.
Characteristic high-energy neutrino reaction in the coloured-quark model. 353846
A new interaction with electron and muon-number nonconservation. 364526
Yanagimachi, Tomoki
Measurement of superheavy nuclei in primary cosmic ray. 377619
Yanagisawa, Kazuaki
Correlations between different methods of UO_2 pellet density measurement. (JAERI-M – 7158) 367308
Study on densification of uranium dioxide fuel pellets. (JAERI-M – 7210) 379578
Yanagisawa, Shigeru
Reactor control rod. 368079
Yanagisawa, T.
Design considerations of fission and corrosion product in primary system of MONJU. (IWGFR – 7) 361005
Yanai, Katsuya
Control system of feedwater in a reactor. 350193
Feedwater control system for atomic power plant. 368081
Yanch, K.
The technological centre – a new system for producing radioactive preparations at the Rossendorf Central Nuclear Research Institute. 360667
Yanchishin, F.P.
Cooling and corrosion effect of working conditions on steel Kh18N10T cyclic strength with various grain sizes. 349372
Multispecimen test machine for fast evaluation of steam turbine condenser tubes performance. 375732
Yancho, G.
Study on the C^{12} – p + X inclusive reaction at PC = 40 GeV. (JINR-R – 1-9021) 364558
Yanchukovskij, V.L.
Study on the nucleon component by means of a transportable supermonitor. 357552
Yanev, N.I.
Combinatorial analysis of the balanced characteristic trees with variable branching-factor. (JINR-R – 11-9777) 376854
Yanev, N.N.
Techniques for organization and control of the thesaurus of the JINR retrieval system. (JINR – 10-8784) 376852
Yang, C.C.
A large electro-magnetic pump for high temperature LMFBR applications. 358308
Yang, C.I.
Investigation of sodium-bonded carbide fuel assembly design. 379781
Progress in modeling carbide and nitride fuel performance in advanced LMFBRs. 379733
Yang, C.N.
Conformal mapping of gauge fields. 359329
Generalization of Dirac's monopole to SU_2 gauge fields. 368602
Some properties of monopole harmonics. 363861
Yang, C.S.
Denatured fuel cycles for safeguards control. 380131
Yang, C.Y.
The interaction of atomic hydrogen with Ni, Pd and Pt clusters. 356017
Yang, D.
180^0 production of protons in high-energy p, d, and α reactions in nuclei. 362043
Yang, D.J.
Kinetic study of the hydrolysis of 2-germaacetate in neutral and alkaline solutions. 378443
Yang, J.W.
Note on turbulent-laminar transition for flow in triangular rod bundles. 352789
Simulation of transients in liquid-metal fast breeder reactor systems. 373781
Yang, K.H.
Gauge invariance of the Rayleigh – Schroedinger time-independent perturbation theory. (ORO – 5126-23) 371450
Poynting's theorem and electrons with spin. (ORO – 5126-24) 361864, 371451
Yang, L.
Experiments on the properties of superfluid helium in zero gravity. 359207
Improvements in the performance of nuclear fuel particles offered by silicon-alloyed carbon coatings. 365929
Study of tritium permeation through Peach Bottom Steam Generator tubes. (GA-A – 14376) 368184
Yang, T.
High-LET particle dosimetry in the ASTP-Biostack III: Zea mays experiment. 360250
Yang, T.C.
The effects of accelerated heavy nuclei of neon and argon on mammalian cells in culture. 378981
SU(4) weak currents and their experimental implications. (DESY – 77/39) 353917, 353919
SU(4) weak currents. (DESY – 77/51) 375054
Testing quark-lepton symmetry in e^+e^- annihilation. 353918
Yang, T.C.H.
Bevalac Minibeam Facility. 363337, 374083
Yang, T.M.
CRBRP flow induced vibration program. (CONF-770933 – 1) 363520
Vibration tests of a full scale water model of a Clinch River steam generator module. (TID – 27821) 374244
Yang, V.V.
Dose-effect relationships for fife shortening, tumorigenesis, and systemic injuries in mice irradiated with fission neutron or ^{60}Co gamma radiation. 354765
Yang, Y.W.
The electron density and bonding in beryllium metal as studied by Fourier methods. 370076
Yangol', G.A.
Alkylation of p-xylene by 1,4-diiodoperfluorobutane. 351525
Yaniv, S.S.
Overview of the reactor safety study consequence model. (SAND – 77-0151C) 357824
Yankauskas, R.P.
Using ditelluratocuprate (3) for separated photometric determination of strong reducers. (INIS-mf – 4191) 375346
Yanke, V.G.
Development of ground methods for investigation of cosmic ray variations. 357525
Yankelevich, A.Z.
Study of regularity of radiation-chemical interaction of halogenated and unhalogenated olefines with silane derivates. 362292
Yankelevich, E.B.
Micropattern of emitters surface, working in the electron exploding emission mode. 373221
Yankelevich, R.G.
Synthesis of vanadium trioxide. 349311
Yankevitsa, A.Kh.
Increasing of sensitivity of rhenium and molybdenum determination with thioglycolic acid using formation of three liquid phases during extraction. (INIS-mf – 4191) 375235
Simultaneous extraction photometric determination of molybdenum and rhenium with thioglycolic acid. (INIS-mf – 4191) 375234
Yankielowicz, S.
Non-perturbative approach to quantum field theories. Phaze transitions and confinement. 351203
Quantum field theories on a lattice: Variational methods for arbitrary coupling strengths and the Ising model in a transverse magnetic field. 371367
Yanko, V.M.
Effect of heating conditions on the surface state of 45 and 40kh deformed steels. 370077
Yankovich, V.N.
Double sulfates of titanium with rare earths of cerium group. 351487
Yanminchev, V.D.
Energy spectrum of primary cosmic radiation in the energy range from 10^{13} to 10^{16} eV. 361706
Spatial distribution of electrons and muons in extensive air showers on a mountain level. 362606
Yano, Hiroshige
Quantitative determination of benzo[a]pyrene in foodstuffs using benzo[a]pyrene[G-^{3}H]. 378144
Yano, Kiyoshi
Study of skin contamination with radioactive substances. 379127
Yano, Y.
Cyclotron-produced ^{62}Zn: its possible use in prostate and pancreas scanning as a ^{62}Zn amino acid chelate. 352137
Development of positron-emitting radionuclides for imaging with improved positron detectors. 354879
Yanovitskij, Eh.G.
Parameters of vertical structure of upper layers of the Jupiter's atmosphere. 364385
Yanovskij, A.P.
State primary standard for units of equivalent dose and equivalent dose rate of neutron irradiation. 376262
Yanowsky, J.G.
Method and device for measuring dynamic characteristic data of materials. (German (F.R.) patent document 2348000/C/) 367994
Yanskij, B.
Experimental study on neutron field properties in a linear section of a sodium pipeline. (FEI – 596) 355255
Yanson, Eh.Yu.
Some physicochemical properties of 2- and 4-quinolinedithiocarboxylates. 372941
Yanssen, D.
Calculation method of matrix elements of nuclear microscopic hamiltonian in a space of collective fermion states. 377877
Spherical states in transition nuclei. 369420
Yanushevskaya, M.I.
Effect of hydroxyurea and amethopterin on radiosensitivity and thiol content of biological objects. 370356
Radioresistance of Ehrlich ascites tumour cells in G_1-and S-phases. 370355
Yanushkevich, V.A.
Effect of laser irradiation of superconducting materials on the basis of niobium on the character of critical temperature change. 361759
Yao, L.-S.
Transient thermal-hydraulic analysis for reactor cores. 355324
Yapp, D.
Ultrasonic inspection of austenitic welds. (IWGFR – 10) 362352

Yaralova, P.V.
On the role of the liver in the pathogenesis of acute radiation sickness. 376118
Yarba, V.A.
Observation of muon pairs in neutrino interactions at Serpukhov 70 GeV accelerator. 361870
Observation of possible production and decay of short-living heavy neutral particles in the SKAT neutrino experiment. 353930
Yarborough, K.A.
Measurements of seasonal and daily radon daughter concentration fluctuations in National Park Service caves. (HASL - 325) 378952
Yarborough, M.J.
Dye laser. (German (F.R.) patent document 2425173/B/) 371544
Yarbro, O.O.
Retention of gaseous fission products in reprocessing LMFBR fuels. (IAEA-AG - 63-2) 362322
Retention of gaseous isotopes. 367206
Yarema, S.Ya.
Investigation into fatigue crack growth and kinetic diagrams of fatigue failure. 375911
Yaremkevich, C.K.
Tin content effect on the physical and mechanical properties and workability of the YuNDK35T5 alloys. 375862
Yaritsyna, I.A.
Determination of neutron mean number on fission event of ^{252}Cf. (INIS-mf - 3896) 357875
Measurement of spectral parameters in slow neutron fields using cadmium ratios for activation detectors. 350341
Yarkina, E.P.
Evaluation of reservoir properties of Carbonic and Devonian polymiet and pressed terrigene reservoirs in Volgograd region from exploitation-geophysical data. 365263
Yarkovets, A.G.
Therapeutic action of negative unipolar aeroionization on irradiated mice. 379028
Yarkulov, U.
Radioactive effects in quartz. 371695
Yarlagadda, B.S.
Neutron induced gamma spectrometry for on-line compositional analysis in coal conversion and fluidized-bed combustion plants. (CONF-771072 - 3) 378118
Yarmolovich, I.I.
Comparison of creep-rupture properties of α- and α+β titanium alloys below the chloride layer in the 200-380 deg C range. 349470
Yarmonenko, S.P.
Oxygen effect and intracellular oxygen content (adaptation hypothesis). 378984
Yarmukhamedova, F.M.
Spectroscopic determination of isotopic composition of nitrogen when N^{15} concentration is lower than natural content. 375303
Yarnell
Decay heat from products of ^{235}U thermal fission by fast-response boil-off calorimetry. (BNL-NCS - 22500) 356923
Yarnell, J.L.
Decay heat from products of ^{235}U thermal fission by fast-response boil-off calorimetry. (LA-NUREG - 6713) 374148
Decay heat measurements by fast-response boil-off calorimetry. (LA-UR - 77-1758) 357828
Yarnell, P.A.
Recovery of uranium sulfate anions on a weak base anion exchange resin. (US patent document 4,026,987/A/) 351697
Yarnell, Y.L.
Study of fast reactor safety test facilities. Preliminary report. (LA - 5978-MS) 370530
Yarochkina, Z.V.
Study on spatial and energy distributions of muons from extensive air shower by means of a magnetic spectrometer. 362615
Yaron, F.
^{210}Pb content of rainfall in the Shephela (Israel coastal plain). (NRCN(TN) - 011) 373446
Yaroshenko, G.F.
Studing ligand dentation by EPR. (INIS-mf - 4192) 375582
Yaroshevich, A.A.
Radiation damage to the tissueequivalent medium caused by elastic collisions upon irradiation with 0.2 to 100 keV protons and 1 to 1000 keV neutrons. 365356
Yaroshevich, O.I.
Effect of annealing temperature and time on the efficiency of fission fragments detection by artificial mica. 361045
Yaroshevich, P.Yu.
Molybdenum monocrystal strengthening by tungsten films condensed on the surface. 370078
Yaroshok, T.P.
Measurement of capacity of double electric layer on niobium in nitrate solutions. 378199
Yaroslavskij, A.I.
Study of the acceleration of thin metal foils acted on by high-power laser emission. (IAEA - 200) 353518
Yarov, A.S.
Optical methods of beam diagnostics while resonant extraction of particles from a synchrotron. 350350
Yarovinskij, Kh.L.
Effect of alloying elements and slag of electrode coating on the properties of deposited metal type Kh15N5d2. 370053
Yarovoj, V.S.
Device for simulation of integral dose distribution in multifield radiotherapy. (Soviet patent document 441733/A/) 379482
Yartsev, E.I.
Taurine content of tissues of irradiated rats. 370336
Yartsev, V.A.
A method for determining the thermodynamic properties of reactor materials at elevated temperatures. 357246
Yaryna, V.P.
Comparison of variations in electrical properties of silicon irradiated with neutrons from a reactor and with 14,5 MeV neutrons. 348799
Yarysheva, M.D.
Low-inductance megampere commutator with using creeping discharge. 363613
Megaampere current commutation in capacitive storages for thermonuclear reactor power supplies. (INIS-mf - 3954) 361521
Yarza, J.C.
Influence of heating element design on the performance of LiF:PTFE thermoluminescent dosemeters. 376668
Yashchenko, I.M.
Method for separation of niobium from certain elements. (Soviet patent document 460246/A/) 375613
Yashima, Seiji
Model steam generator tests and secondary side water chemistry. 374226
Yashin, E.I.
Luminescence of polycrystals of lanthanum heptatantalate activated by europium. (INIS-mf - 3955) 377322
Optical centers equilibrium in Ndsub(x)Lasub(1-x)TaO_4 polycrystals. 375620
Yashin, Eh.M.
Optical seal based on ceramics of lead zirconate-titanates doped with lanthanum. 370107
Yaskevich, V.S.
Neutron radiography exposure nomograms. 349960
Yaskin, L.A.
A correlation for heat transfer to superphysical helium in turbulent flow in small channels. 349985
Yastrebova, L.F.
Reaction of certain rare earth iodides with carbamide and iodine in aqueous solution. 375402
Yasu, Shigehiro
Current status of fast pulsed reactor development and utilization. 361009
Yasuda, K.
The influence of oxidation on thermally stimulated currents from trapped carriers in high density polyethylene. 351911
Yasuda, Noriko
Adsorption of micro amounts of cadmium complex ion on active charcoal. 372982
Yasuda, S.
X-ray K emission spectra of vanadium in various oxidation states. 369581
Yasuda, Tetsuo
Support tube of in-core instruments. 350145
Yasue, Fumiko
Stopping powers of Al, Ni, Cu, Ag, and Ta for 8.78 MeV alpha particles. 354020
Yasue, M.
Systematics of low-lying octupole states in the doubly-even nuclei from Ge to Sr. 378034
Yasue, Masaharu
$^{12}C(p, t)^{10}C$ and $^{12}C(p, ^3He)^{10}B$ reactions at Esub(p)=51.9 MeV. 354277
Yasue, Masaki
On a test of neutral current of a baryon-lepton symmetry model. 353876
Second class current and anomalies in neutrino reactions. 353871
Yasui, Tsunemasa
Experiences of test operation for Hamaoka Nuclear Power Station Unit 1. 355378
Yasukawa, Shigeru
First conceptual design of the experimental multi-purpose high-temperature gas-cooled reactor. (JAERI-M - 6845) 358241
Reference core design Mark-III of the experimental multi-purpose VHTR. (JAERI-M - 6895) 358242
Yasukawa, Sigeru
Reference design of the experimental multi-purpose high-temperature gas cooled reactor. (JAERI-M - 6974) 358265
Yasukochi, K.
Heat transfer to liquid helium in a narrow channel below 4.2 K. 360596
Yasumura, Keijiro
Method for solidification and disposal of radioactive pellet waste. 368390
Method of cement-solidifying radioactive liquid waste containing oil. 368389
Method of processing radioactive liquid wastes by solidification with cement. 380026, 380027
Solidifying method of waste water containing radioactive oil by using cement. 368388
Yasuno, Masaru
A microscopic study of elastic scattering of αparticles on ^7Li nuclei. 359438
Spin density wave in many nucleon system. 354089
Yasuno, Takehiko
First conceptual design of the experimental multi-purpose high-temperature gas-cooled reactor. (JAERI-M - 6845) 358241
Yasuno, Y.
Composite TLD based on $CaSO_4$:Tm for γ-rays, X-rays, β-rays and thermal neutrons. 371106

Yata, Kazuo
Gas centrifuge. 367857
Yates, G.K.
Night and day relationships between polar cap riometer absorption and solar protons. 367440
Yates, J.
Device for assembly and disassembly of nuclear reactor fuel element clusters. (German (F.R.) patent document 2515572/A/) 350162
Exxon Nuclear Company WREM-based generic PWR ECCS evaluation model: Palisades type combustion engineering plant large break example problem. (XN – 75-64(A)) 373831
Yates, J.T. Jr.
Decomposition of H_2CO and CH_3OH on Ru (110) and Ni (100). 370079
Evidence for the conformation of H_2O adsorbed on Ru(001). 357300
Evidence for the structures of adsorbed NH_3 and H_2O on Ru(001). 369996
Interaction of methanol with ruthenium. 378277
Ultraviolet photoemission studies of methanol adsorbed on Ru(110). 369941
Yates, M.A.
Energetic charged particle yields induced by pions on complex nuclei. 359494
Yates, R.G.
Baecklund transformations and the construction of the Atiyah-Ward ansatze for self-dual SU(2) gauge fields. 376901
Yatlova, L.E.
Study of cadmium selenide formation in alkali solutions containing selenurea. 357046
Yatom, H.
Pair correlation in a two-component plasma. (IA – 1338) 364268
Yatsenko, G.I.
Internal conversion electrons from sup(188m)Ir decay. (KFTI – 75-15) 362097
Yatsenko, O.B.
Photoconductivity of Pbsub(1-x)Snsub(x)Te doped with indium and cadmium. 360006
Yatsenko, S.P.
Magnetic susceptibility of liquid binary gallium alloys. 378754
Yatsenko, V.A.
X-ray spectrum investigation of the copper outer energetic band structure in the zirconium-copper alloy system. 354539
Yatsenko, Yu. I.
Algorithm construction for solution of linear accelerator control problem. (INIS-mf – 3909) 374079
Yatsenko, Yu.I.
Study on orthogonal matrices for experiment planning of the third order. (INIS-mf – 3909) 374534
Yatsimirskij, K.B.
Infrared spectra of ascorbic acid and its complexes with zinc(2) and vanadium(4). 359598
On possibility of use of vanadium (4,5) ions as catalyst of Belousov-Zhabotinskij vibrational chemical reaction. 375609
Yatsui, Kiyoshi
Crossfield-current-driven electrostatic instabilities in an inhomogeneous magnetoplasma. 353657
Plasma heating by ion-cyclotron parametric instability. 359015
Yau, Y.Y.K.
Numerical simulations of collisionless drift instabilities for low-density plasmas. (PPPL – 1382) 368969
Yavno, A.Kh.
Power supply for the "T-10M" experimental thermonuclear facility. (INIS-mf – 3954) 361571
Power supply for the T-20 demonstration thermonuclear tokamak-reactor. (INIS-mf – 3954) 361572
Yavorov, S.Ya.
Charged particle analyzer. (Soviet patent document 433435/A/) 355490
Yazaki, K.
Excitation of Δ-nuclear states in π-^{4}He scattering. 372622
Yazaki, S.
Bounds for Regge slopes and intercepts for ordinary and new hadrons. 361814
Nonleptonic decays of kaons in the 1/Nsub(c) expansion. 369280
Yazvitskij, Yu.S.
Study on low-energy gamma rays in the ^{147}Sm (n, γ) reaction with resonance neutrons. (INIS-mf – 3897) 356860
Yazvitsky, Yu.
Determination of boron range distribution in ion-implanted silicon by the ^{10}B(n, α) ^{7}Li reaction. 364900
Yazvitsky, Yu.S.
IBR-2-the periodically pulsed reactor for neutron investigations. (INIS-mf – 3946) 356682
Ybarrondo, L.J.
LOFT emergency core-cooling system experiments: results from the L1-4 experiment. 379272
Yeager, W.M.
Investigation of π^+Ne and π^-Ne interactions at 10.5 GeV/c. 372541
Yeager, W.M. Jr.
Interactions of 10.5 GeV/c pions with neon nuclei. 362114
Yearian, M.R.
Initial performance of the Stanford Superconducting Recyclotron. 363180
Polarized electrons and the origin of optical activity. 371465
Yeater, M.L.
Course in quality assurance, nondestructive testing, and nuclear standards. 379619
Reliability models for plant protection systems. (CONF-761001 – P2) 362950
Yee, J.H.
Massless propagators on the light cone. 363784
Yee, S.
Nuclear heating in a control element of a gas-cooled fast breeder reactor. 363524
Yefimova, N.S.
Determination of fluorine trace amounts in metallic uranium. 354297
Yefremenkov, V.M.
The state of trivalent chromium trace amounts in solution. 351604
Yegnasubramanian, S.
Measurement of annihilation radiation in activation analysis. 369542
Yegorova, L.A.
Heritability of uv-sensitivity and photo-reactivation ability in Drosophila embryos. 373555
Yeh, H.
Solving potential field problems in composite media with complicated geometries. 367913
Yeh, H.-W.
Hydrogen isotope exchange between clay minerals and sea water. 365302
Yeh, H.C.
Charge distribution on plutonium-containing aerosols produced in mixed-oxide reactor fuel fabrication and the laboratory. (LF – 56) 365461
Development of a five-stage, round jet, virtual cascade impactor. (LF – 56) 365617
Development of a parallel impactor. (LF – 56) 365719
Fabrication and use of krypton-85 aerosol discharge devices. (LF – 56) 365338
Field characterization of plutonium aerosols in mixed-oxide fuel fabrication. (LF – 56) 365450
Yeh, H.T.
Design features of the ELMO Bumpy Torus Reactor (EBTR). (CONF-771109 – 65) 377560
Interaction and protection of superconducting poloidal field coils and toroidal field coils in a tokamak experimental power reactor. 361652
Perturbation-polynomial expansion formulation of 3-D eddy current problems. (CONF-771029 – 71) 372100, 372101
Superconductors for tokamak poloidal field coils. (CONF-770801 – 17) 359012
Toroidal magnet system conceptual design for the ELMO Bumpy Torus Reactor. (CONF-770842 – 4) 358977
Yeh, J.L.
Negative ENDOR study of the radiation damage in triglycine sulphate. 365081
Yeh, J.T.C.
Superconducting lead variable-thickness microbridges. 374016
Yeh, K.C.
Method for inverting oblique sounding data in the ionosphere. 365319
Yeh, N.
Dissociation of the proton into ($p\pi^+\pi^-$) in the reaction $pp \rightarrow pp\pi^+\pi^-$ at 12 and 24 GeV/c. 353940
Yeh, N.h.
Superconductive bolometers for submillimeter wavelengths. 374004
Yeh, S.C.
The study of the width for intermediate resonances in the ^{27}Al(d,p)^{28}Al, ^{27}Al (d,α)^{25}Mg, ^{31}P(d,p)^{32}P and ^{31}P(d,α)^{29}Si reactions. 372764
Yeh, S.D.J.
Gallium scans for follow-up of patients with lymphoma and hepatoma. 354973
Yeh, T.
Effect of fluid viscosity on coupled tube/fluid vibrations. (ANL-CT – 77-24) 352483
A sheet-current approach to coronal-interplanetary modeling. 366782
Subsonic flows in the coronal interplanetary regions of closed field lines. 372312
Yeh, T.P.
Transverse mixing characteristics of the Missouri River downstream from the Cooper Nuclear Station. (IIHR – 145) 352290
Yeh, T.R.
Widths of the 7.06 and 7.08 MeV dipole transitions in ^{208}Pb. 364836
Yeh, Yu-Chai
A new nuclear chemical approach to the study of malignancy using perturbed angular correlations. 354974
Yeivin, Y.
Optimal choice of the initial flux for iterative solutions of the inhomogeneous transport equation. 352449
Sensitivities of neutron spectra to reactivity in different formulations of the stationary transport equation. (INIS-mf – 4052) 372564
Yelkina, O.A.
Electron microscopy study of thermomechnical deformation conditions effect on the structure of two-phase ($\alpha+\beta$) titanium alloys. 349548
Yen, H.C.
Polishing procedure for high surface electric fields in superconducting lead resonators. 363204
Yen, M.M.K.
Effective interaction and energy spectra in the vicinity of ^{208}Pb. 375103

Yen, W.L.
High-mass K* production in K⁺d interactions at 9 GeV/c. 372509
Yencha, A.J.
Dissociative fragmentation processes in the reactions of metastable He(2³S) with NO_2, COS, H_2O, H_2S and HCN. 353391, 377148
Yener, Y.
On the inverse problem in transport theory. (IEA – 479) 350780
Yentis, D.
Absence of iron line emission in Cgy X-3. (CONF-7510169 –) 364408
Yeo, Dennis
Process for tightly sealing nuclear reactor fuel rods. 370832
Yeomans, D.K.
Provision of electrical power throughout the stack of the nuclear structure facility tandem at Daresbury Laboratory. 363369
Yeroshenko, V.M.
A correlation for heat transfer to superphysical helium in turbulent flow in small channels. 349985
Yershova, Z.V.
Polonium vapor pressure over polonides of scandium, dysprosium and holmium. 351598
Yerushalmi, A.
Treatment of the B-16 melanoma by local simultaneous hererthermia and ionizing radiation. (INIS-mf – 4052) 376119
Yeskov, A.G.
Controllable forming of a compact toroidal structure with an impulse field barrier. (DOE-tr – 3) 369009
Yeung, E.S.
Two-photon spectrometer based on flashlamp-pumped dye lasers. 368352
Yeung, K.F.
X-ray emission from the interaction of a macroscopic particle with a dense plasma focus. 361653
Yeung, Wai-Bong
Finite field equation for asymptotically free phi⁴ theory. (BONN-HE – 77-26) 366247
Yevick, J.
The U.S. LMFBR programme as of 4-1-77. (IWGFR – 18) 363534
Yevick, J.G.
International fast breeder reactor development. (ANL – 77-XX-62) 363535
Yezhov, A.I.
Cesium hydroxoplatinate. 351494
Yi, K.S.
Point-charge approximation of trigonal Tm^{2+} and Yb^{3+} centres in crystals of CaF_2 structure. 377175
Yielding, K.L.
Nalidixic acid inhibition of post-ultraviolet recovery in Escherichia coli K-12: requirement for recBC function. 370329
Unscheduled DNA synthesis in frog lens at 5°C. 360223
Yiftah, S.
Comparative analysis of recent American, German and Russian evaluated nuclear data files. (IA – 1338) 364606
Effective cross section computation in the unresolved resonance region. (INIS-mf – 4052) 366906
Evaluated delayed neutron spectra and their importance in reactor calculations. 362100
Evaluation of ^{237}Np microscopic neutron data. (IA – 1338) 364616
Nuclear data and low energy nuclear research in Israel. (LS – 270) 358625
Yildiz, A.
Charmed meson production in quark exchange model. 356403
Yildiz, M.M.
DHVA oscillations of nonlocal surface plasmons. 368848
Yilmaz, E.
Effects of fast-neutron irradiation and high-intensity magnetic fields upon cavitation thresholds and nuclei spectra in water. 356545
Yilmaz, H.
On the bimetric theory of gravitation. 368603
Yim, A.
Freezing: controlled penetration of a saturated liquid into a cold tube. 362915
Yim, M.B.
Dilute mixtures of fermions in boson fluids. 371452
Yin, L.I.
Portable low-dose x-ray imaging system. 379999
Ying-Lie, O.
Digital reconstruction of an object from its projections. (INIS-mf – 4010) 363602
Yip, W.
Neutron capture and transmission measurements on ^{95}Mo, ^{97}Mo, ^{133}Cs and ^{143}Nd. (BNL-NCS – 22500) 356785
Yliruokanen, I.
Trace element analysis of granitic and radioactive rocks by spark source mass spectrometry with electrical detection. 365285
Uranium, thorium, lead, lantanoids and yttrium in some plants growing on granitic and radioactive rocks. 367061
Yo Tik Ien
Detection of post-operative deep venous thrombosis with sup(99m)Tc-macroaggregates. 352177
Yoda, Kazushige
Autoradiography with ^{201}Tl and our clinical experience. 367700
Yoda, O.
Interchain ordering in amorphous solid polyethylene. 370248
Yodh, G.B.
As estimation of the primary proton spectrum between 10^{12} and 10^{14} eV. 351256
On the high energy proton spectrum measurements. 372156
Yogi, T.
Critical rf magnetic fields for some type-I and type-II superconductors. 365190
Yoh, J.K.
Observation of a dimuon resonance at 9.5 GeV in 400-GeV proton-nucleus collisions. 351221
Observation of structure in the UPSILON region. 369378
Yokochi, Akira
In-place tests of exhaust equipment in nuclear facility. (KURRI-TR – 148) 350401
Yokoi, Koichi
Energy loss accompanying the electron captures in highly evolved stars. 353675
Yokomizo, Hideaki
$^{12}C(p, t)^{10}C$ and $^{12}C(p, {}^3He)^{10}B$ reactions at Esub(p) = 51.9 MeV. 354277
Yokono, S.
Charge transfer effects on the luminescent properties of Eu^{3+} in oxysulfides. 355882
Cooperative absorption in Eu_2O_2S. 371615
Yokoo, Hiroshi
Effectiveness of author-assigned keywords to INIS indexing. 355685
Yokosawa, A.
Measurement of the π^+p and π^-p polarization parameters at 100 GeV/c. 351209
Measurements of the total cross-section difference and the parameter Csub(LL) in pp scattering with longitudinally polarized beam and target. 356485
Suggestion for a dibaryon resonance in the pp system. 356426
Yokosawa, Kunishige
Device for supporting toroidal coils. 348984
Yokosawa, Naoki
End plug welding of fuel elements for prototype advanced thermal reactor FUGEN. (PNCT – 831-77-01) 379723
Fabrication of a fuel assembly for an irradiation test in SGHWR. (PNCT – 831-77-01) 379725
Mechanical strength of end plug welds of FUGEN fuel rods (zircaloy). (PNCT – 831-77-01) 379724
A study on coloring and corrosion behavior of end plugs of FUGEN fuel elements. (PNCT – 831-77-01) 379715
Yokose, Hiroji
On the numerical expression of the degree of rock weathering. 367388
Yokota, J.
Inclusive Λ, anti Λ and $\Sigma^{+-}(1385)$ production in 405 GeV/c pp interactions. 377810
Some features in rapidity space of multiparticle production by proton-proton collision at 102 GeV/c. 353970
Yokota, Norikatsu
Tank of sodium cooled fast reactor. 350261
Yokotsuka, Isami
The formation of isoamyl acetate from isoamyl alcohol by cellular suspensions of cladosporium cladosporioides No.9, (1). 354972
Formation of isoamyl alcohol and isoamyl acetate from L-leucine by cellular suspensions of Cladosporium cladosporioides No. 9. 349884
Yokoyama, Akira
Evaluation of sup(99m)Tc-HIDA complex as a cholescintigraphic agent. 379199
The TcO_4^- binding to human serum albumin. 349847
Yokoyama, Hiroomi
On the channel box for the fuel bundle of BWR. 350217
Yokoyama, Ichiro
Measurement of alignment error of the drift tube array by the hot wire method. 350091
Yokoyama, M.
Laser fusion research in Osaka. (IAEA – 200) 353656
Thermonuclear fusion plasma by lasers coupling and implosion. 359041
Yokoyama, Masahiro
Heating of plasma focus by TEA CO_2 laser, (2). 359029
Instability enhanced emissions of x-ray and neutron in plasma focus. 372056
Neutron yield enhancement in a CO_2 laser irradiated plasma focus. 372055
Plasma heating by ion-cyclotron parametric instability. 359015
Yokoyama, Norio
Radiation-induced crosslinking of polyethylene in the presence of fluorine containing monomers. 354431
Yokoyama, Tsugio
Absolute fission ratio measurements with semi-conductor fission chambers. 355534
Yokoyama, Tsutomu
Method of measuring the degree of burnup of reactor fuel. 368046
Method of measuring the reactivity of reactor fuel. 368047
Yokoyama, Y.
Anion coordination to uranyl ion and the luminescence lifetime of the uranyl complex. 369755
Production of radionuclides by cosmic rays at mountain altitudes. 362592
Quenching mechanisms of uranyl luminescence by metal ions. 369756
Quenching of uranyl luminescence by water molecule. 369678
Yokozawa, Kunishige
A toroidal coil of a nuclear fusion apparatus. 366659
Yoli, A.H.
Cask handling method and apparatus. (US patent document 4,055,508/A/) 370731
Yonas, G.
Propagation of pinched electron beams for pellet fusion. 350907

Sandia's recent results in particle beam research. (SAND – 77-1369C) 377578
Summary of electron-beam fusion experiments. (IAEA – 200) 353658
Yonco, R.M.
Physical research on liquid-metal systems. Annual report, July 1975 – June 1976. (ANL – 76-106) 359830
Solubility of lithium deuteride in liquid lithium. 354572
Tritium processing and containment technology for fusion reactors. Annual report, July 1975 – June 1976. (ANL – 76-133) 358979
Yonei, Shuji
Radiation-induced damage of membranes. 349715
Yoneya, T.
Topology of Euclidean Yang – Mills fields: Instantons and monopoles. 350553
Yoneyama, Masako
Biological fate of butylated hydroxytoluene (BHT) in rats, (4). 352161
Biological fate of butylated hydroxytoluene (BHT) in rats, 1. 352158
Yoneyama, Tadakatsu
Decomposition of rice residue in tropical soils, 2. 373777
Nitrogen uptake and assimilation by corn roots. 367721
Yonezawa, Chushiro
Liquid-liquid extraction of the EDTA complexes of lanthanides with a quaternary ammonium salt. 369582
Yongue, C.T.
Results of the ALARA Program at the Oconee Nuclear Station. 357829
Yonome, Ichiro
Distribution of Fe-bleomycin, Co-bleomycin in tumor tissue. 373778
Yoo, M.H.
Dislocation loop growth and void swelling in bounded media by charged particle damage. 357434
Growth kinetics and 'preference factor' of Frank loops in nickel during electron irradiation. 365248
Yoon, A.S.
A new technique for selecting the reaction $\pi^+p \rightarrow n\pi^+\pi^+\pi^+\pi^-$ from the background. 353975
Yoon, B.
Time-dependent Hartree approximation for a one-dimensional system of bosons with attractive delta-function interactions. 363862
York, G.W. Jr.
Large-aperture discharges in E-beam sustained CO_2 amplifiers. (LA-UR – 77-2451) 371925
York, T.M.
End loss from a collision dominated theta pinch plasma. 350904
Yoro, K.
On the magnetic moments and β-decay ft-values in the 1p-shell nuclei. 354128
Yoshida, H.
Impact parameter analysis of the reaction $\pi^-p \rightarrow p\pi^+\pi^-\pi^-$ at 9 and 12 GeV/c with very fast secondary proton. 356510
Yoshida, Hideo
Device for preventing leakage of coolant in nuclear fuel assembly. 368111
Exposure of the radiology personnel to scattered radiation during angiography with consideration of its decrease. 367821
Fuel assembly. 350163
Spacer for a fuel assembly. 379570
Yoshida, Hidetoshi
The local counting efficiency of a Ceratron multiplier for plasma diagnoses on charge-exchanged fast atoms. 353642
Yoshida, Hiroyuki
The behaviour of dislocations inside the dislocation channels in neutron-irradiated Ni. 358891
Calculation program for fast reactor design, 2. (JAERI-M – 6993) 350443
Yoshida, Hisayoshi
Adsorption of complex anion of mercury(II), cadmium or zinc ion on activated carbon. 378444
Yoshida, Hitoshi
Conductometric titration of cadmium by the formation of cadmium-o-phenanthroline-iodide ternary complex. 372942
Yoshida, K.
Concentration profiles of Cr, Ni and Cu implanted into mild steel. 368805
Current-voltage characteristics of large Josephson tunnel junctions. 353748
High power glass laser system "Gekko" for fusion research. (IAEA – 200) 353655
Parametric frequency conversion in long Josephson junctions. 360629
Scattering theory in the presence of a soliton asymptotic theory. 353896
Yoshida, Kunikatsu
Sodium-water reaction product container for liquid metal cooled fast breeders. 350270
Yoshida, Kunio
Gas monitoring method in an atomic power plant. 360831
Yoshida, M.
Method of fabricating composite superconductors. (US patent document 4,043,028/A/) 370719
Yoshida, O.
Investigation of intrarenal blood flow and urine flow aspects by scintillation camera. 360375
Yoshida, S.
Human c-peptide immunoreactivity (CPR) in blood and urine – evaluation of a radioimmunoassay method and its clinical applications. 352163
Yoshida, Shigeo
The structural revision of piericidin A by combination of CMR spectroscopic and biosynthetic studies. 367722
Yoshida, Shoji
Tumor scintigraphy in primary lung cancer using ^{67}Ga-citrate. 349862
Yoshida, T.
Estimation of nuclear decay heat for short-lived fission products. 374149
Yoshida, Tomiharu
Device for handling casks. 350047
Yoshida, Tomio
Decomposition of rice residue in tropical soils, 2. 373777
Yoshida, Toshio
γ-ray irradiation effects in quartz, (3). 358873
The changes in resistivity of carbon-coated-film resistors by irradiation of cobalt-60 gamma-rays. 361096
Exciton emission in electron-irradiated CdS. 366486
Yoshida, Y.
Development of automatic ISI tool for the 'Fugen' prototype advanced thermal reactor. 365901
Reduction of releases of radioactive effluents from light-water power reactors in Japan. 367762
Yoshida, Yoshiteru
Study of fission products in a high neutron flux reactor by the high resolution measurement of electron beam and gamma-ray with a gas filled ISOL and a tape transport system. (KURRI-TR – 146) 378078
Yoshihara, K.
Appearance energies of indium complex compounds determined by the ^{115}In(γ, γ')sup(115m)In reaction. 357128, 369771
Yoshihara, Kenji
Fragmentation by β-decay in tritium-labelled compounds, (1). 354401
A new nuclear chemical approach to the study of malignancy using perturbed angular correlations. 354974
Production of radioisotopes with accelerators, (1). 355070
Production of radioisotopes with accelerators, (2). 379372
Yoshikado, Akira
Excitation of ionic acoustic waves by non-linear Bernstein waves. 377480
Yoshikawa, H.
Evaluation of local accidents in fast breeder reactors. 371031
Outgassing rates before, during and after bake-out for various vacuum and first wall candidate materials of a large tokamak device. 369010
Yoshikawa, Haruhisa
Studies on phenylalanine metabolism by use of tracer techniques. 378417
Yoshikawa, Kiyoshi
Effects of lead wire position along resistive electrode on current distribution in Faraday-type MHD duct. 353723
Yoshikawa, Kunihiko
Development of steel tubes for steam generator of fast breeder reactor. 349557
The effect of carbides on the decarburization behavior of 2.25 Cr-1 Mo steel in high temperature sodium. 367272
Yoshikawa, N.
gsub(9/2) proton-hole and hsub(11/2) proton-particle in odd-A Cs nuclei. (ISN – 77-29) 369515
High-spin states and triaxial shape in neutron-deficient odd-A Ba nuclei. (ISN – 77-40) 359484, 369481
Shape change in the odd-A neodymium isotopes. (ISN – 77-30) 369482
Study of the side band in ^{188}Pt. 369498
Yoshikawa, S.
Current density profile of noncircular tokamak. (INIS-mf – 3963) 372062
Saturation of kink instability and helical equilibrium of cylindrical tokamak. (INIS-mf – 3963) 371900
Yoshikawa, Shoichi
Current driven drift instability in both self-induced and external magnetic shear field. (IPPJ – 302) 377441
Saturation of kink instability and helical equilibrium of current carrying plasma column. (IPPJ – 278) 353568
Shear stabilization of collisional drift instability. (IPPJ – 303) 377442
Yoshimori, Masashi
Apparatus for separation of mixture gas. 368381
Yoshimori, Masato
Development of cosic gamma ray detector in the vicinity of 10 MeV. 379898
Observation project of cosmic gamma-ray burst. 377667
Yoshimoto, Seiichi
Scattering of 14.0 MeV electrons. 377851
Yoshimoto, Yuichiro
Lower tie plate in a fuel assembly. 379647
Neutron flux detector. 379648
Yoshimura, H.
Sector experiment of theta-pinch plasma in modified bumpy torus. (INIS-mf – 3963) 371977
Solar-cycle evolution of the coronal general magnetic field of 1959-1974 and the synchronous variation of high-speed solar wind streams and galactic cosmic rays. 356350
Yoshimura, H.R.
Crash testing of nuclear fuel shipping containers. (SAND – 77-1462C) 379469
Full-scale tests of spent-nuclear-fuel shipping systems. 350048

Yoshimura, Katsutoshi
Radiation pneumonitis. 379084
Yoshimura, Motohiko
Signatures of unusual Higgs boson in vectorlike gauge theories. 353833
Two kinds of muon number nonconservation. 359269
Yoshimura, R.H.
Crash test of a nuclear spent fuel cask and truck transport system. (SAND-77-0419) 379467
Yoshimura, Y.
Inclusive Λ, anti Λ and Σ^{*+}(1385) production in 405 GeV/c pp interactions. 377810
Yoshinaga, Koichi
Some fundamental studies on the measurement of radioactivity of tritium or carbon-14 labelled substances. 355601
Yoshinaga, Toshiaki
Design and fabrication of MARK-II type reactor primary containment vessel for the Japan Atomic Power Company, Tokai No.2 Power Station. 350215
Yoshioka, Hisaharu
Long-term follow-up results of ocular damages after radiation therapy in maxillar cancer. 379085
Yoshioka, Masakazu
Control circuits for the 1.3 GeV electron synchrotron, (1). (INS-TH-112) 360732
Yoshioka, T.
Safety aspects and operating experience of LWR plants in Japan. 370871
Yoshioka, Tohru
An approach to the study of intracellular proteins related to the excitability of the squid giant axon. 373698
Yoshitake, Akira
Synthesis of a ^{14}C-labelled fungicide, N-(3,5-dichlorophenyl)-1,2-dimethylcyclopropane-1,2-dicarboximide-(carbonyl-^{14}C) (Sumilex). 359765
Yoshizaki, Akio
Introduction of experimental rig of dynamic stability of once-through boiling flow. 350267
Yoshizawa, I.
Cross sections of the ^{63}Cu(p, 3n)^{61}Zn and the ^{63}Cu(p, p3n)^{60}Cu reactions. 359512
Yoshizawa, Yasukazu
Nuclear structure study of ^{150}Sm, 1. 359493
Nuclear structure study of ^{150}Sm, 2. 354211
Nuclear structure study of ^{150}Sm, 3. 354212
Yoshizawa, Yasuo
Search for the lowest irradiation dose from literatures on radiation-induced bone tumor. 349774
Some consideration of Japanese standard man value. (NIRS-M-14) 379360
Treatment plan of acute radiation-induced skin injuries with special reference to an accidentally exposed case. 354827
Yotch, F.A.
J/psi production off Be, Cu and W by 43 GeV/c negative pions. 369344
Yotsuyanagi, Takao
Atomic absorption method for the determination of trace amount of cadmium, copper, lead and zinc with ion-pair extraction of dimercaptomaleonitrile. 367035
You Hing Tchao
Study of the effect of microwaves on the tanning process in Tenebrio molitor L. 357587
Youell, F.P.
Design measures to minimise radiation exposure of staff for a commercial nuclear power plant. 367814
Youl, S.F.
Use of neutron capture gamma radiation for determining grade of iron ore in blast holes and exploration holes. 375977
Young, B.
Regge spectra, symmetry-breaking effects, and decays of old and new mesons in dual resonance amplitudes. 351176
Young, B.L.
High spin meson decays in the dual resonance model with nondegenerate Regge trajectories. (DESY-77/63) 366874
Young, C.
Qualifying an off-site senior operator for shift duty. 358173
Young, C.A.
Postirradiation examination of capsule P13Q. (GA-A-14174) 379713
Young, C.E.
Method of isotope separation by chemi-ionization. (US patent document 4,024,217/A/) 373913
Young, D.A.
Shock compression of pyrolytic, ceylon natural, and a hot-pressed synthetic graphite to 120 GPa. (UCRL-79014) 351861
Young, D.R.
Electron-trapping characteristics of W in SiO_2. 351915
Young, F.C.
Enhanced backscatter with a structured laser pulse. 359007, 361616
Laser-matter interaction studies at NRL. 372038
Neutron and energetic ion production in exploded polyethylene fibers. 350972
Young, G.
In-flight mass separation of ^{205}Rn, ^{206}Rn and ^{207}Rn fusion recoils from the ^{197}Au(^{14}N, xn) reaction using an energy-mass spectrograph. 374386
Young, J.A.
Geochemical ocean sections study (GEOCECS). Chemistry of ocean solutions. (BNWL-2100(Pt.2)) 362137
Young, J.L.
Laboratory contamination by radioactive iodine. 352181
Young, J.M.
Specific binding of ^{3}H-mepyramine to histamine H_1 receptors in intestinal smooth muscle. 360318
Young, J.P.
Collisional line broadening using laser excitation and ionization. 358794
First preparation of an einsteinium(II) compound, $EsCl_2$. (ORO-4447-061) 373014
Self-luminescence of several fluorite-structure halides doped with curium or berkelium. 371597
Young, J.R.
TDHR-a Tokamak demonstraction hybrid reactor. 377377
Young, J.S.
Power plant heat and chemical effluent effects on selected marine and estuarine communities. (BNWL-2100(Pt.2)) 362597
Young, K.
Color confinement. 364481
Young, K.C. Jr.
Angular correlation study of levels in ^{16}C. 356692
Young, K.M.
Diagnostic problems of large tokamaks. (PPPL-1365) 361654
Young, L.E.
Activation and angular distribution measurements of ^{7}Li(p,n)^{7}Be (0.0+0.429 MeV) for Esub(p)=25-45 MeV: a technique for absolute neutron yield determination. 367003
Young, L.M.
Status of MUSL-2: the second microtron using a superconducting linac. 363147
Young, M.A.
Radiation damage in $KMgF_3$:Mn and $NaMgF_3$. 362556
Young, M.F.
Hydrodynamic analysis of the LMFBR prompt burst excursion (PBE) experiment. (SAND-77-1016C) 367804
Large scale test technology. (SAND-77-1117C) 365594
Young, M.J.
Heat treatment and characterization of duplex 1010 and 1020 steels. (LBL-6620) 378578
Young, M.Y.
Westinghouse emergency core cooling system evaluation model application to plants equipped with upper head injection. Volume II. (WCAP-8480-NP(Rev.2)) 379317
Young, P.
Uranium favorability of the San Rafael Swell area, east-central Utah. (GJBX-72(77)) 373412
Young, P.G.
Cross sections in the energy range from 10 to 40 MeV calculated with the GNASH code. (LA-UR-77-1031) 359373
Double-differential beryllium neutron cross sections at incident neutron energies of 5.9, 10.1, and 14.2 MeV. 372739
GNASH: a preequilibrium, statistical nuclear-model code for calculation of cross sections and emission spectra. (LA-6947) 377949
Young, P.J.
Black tide model of QSOs. II. Destruction in an isothermal sphere. 351100
Stellar density cusp around a massive black hole. 364436
Young, P.S.
The scattering constant for multiply charged particles in emulsions. 369384
Some aspects of 400 GeV proton interactions in nuclear emulsions. 366899
Young, R.A.
Geologic effects of the long shot explosion, Amchitaka Island, Alaska. (USGS-474-245) 352397
Young, R.C.
Fermi surface studies of pure crystalline materials. 358908
Young, R.T.
The future of nuclear propulsion in merchant ships. 366003
Young, T.J.
Radiation induced transient thermal effects in 5 MHz AT quartz resonators. (SAND-77-1747C) 380000
Youngahl, C.A.
Mechanical response of FFTF reference and P1 cladding tubes under transient heating. (CONF-770807-43) 366001
Youngblood, D.H.
Isoscalar breathing-mode state in ^{144}Sm and ^{208}Pb. 372833
Youngblood, E.L.
Laboratory and pilot-plant studies on the conversion of uranyl nitrate hexahydrate to UF_6 by fluidized-bed processes. (ORNL/TM-5913) 359862
Youngborg, L.H.
Analog transmitter/trip unit system for engineered safeguard sensor trip inputs. Licensing topical report. (NEDO-21617) 357819
Youngdahl, C.K.
Mechanical design and analysis for a EPR first wall/blanket/shield system. (CONF-771029-194) 377544
PTA-1 computer program for treating pressure transients in hydraulic networks including the effect of pipe plasticity. (CONF-770807-55) 374269
Transient cavitation effects in fluid piping systems. 373995
Younger, J.
Contribution of fuel rod deposits to the buildup of radiation on out-of-core surfaces of the Nine Mile Point 1 BWR. (NEDC-13461) 363435
Yount, D.
A search for neutral heavy leptons. 356514

Yount, D.E.
Electron-muon and electron-hadron production in e⁺e⁻ collisions. 366879
Yourgrau, W.
On gravitational shock waves. 353163
On self gravitation. 366307
Yousif, A.N.
Rapid simultaneous determination of sulfur and vanadium in crude oil using X-ray fluorescence. 356988
Youssef, M.Y.A.
Bellman-Krein formula for an integral equation with kernel of the type k(x,y)=k(x – y) x- y sup(-α). (IC – 76-88) 361327
Yovanovitch, D.D.
Measurement of phi production in proton-nucleus collisions at 400 GeV/c. 366877
New limits on D^0(1.865) production in proton-nucleus collisions at 400 GeV/c. 361882
Ypma, P.J.
New thermoluminescence techniques for mineral exploration. 375997
Ypsilantis, T.
Anti pp and pp forward elastic scattering between 4 and 10 GeV/c. 356513
Yu, K.P.
UC-B reflood experimental plan. (EPRI-NP – 457) 358205
Yu, M.L.
Effect of primary ion energy and surface chemistry on the secondary ion yields in low energy SIMS experiments. (BNL – 23236) 365191
Isotope effect in the study of H-W(100) and O-W(100) chemisorption systems using SIMS. (BNL – 22947) 350696
Yu, M.Y.
Filamentation of lower-hybrid cones. 372035
Finite amplitude envelope solitons. 350937
Finite frequency density modifications by lower-hybrid cones. (INIS-mf – 3963) 374857
Yu, P.W.
Excitation-dependent emission in Mg-, Be-, Cd-, and Zn-implanted GaAs. 373393
Yu, S.S.
Atomic data needs for beam transport in gas. (UCRL – 80321) 372102
Propagation of a heavy ion beam in gas-filled reactor. (UCRL – 80320) 372103
Stable propagation of an electron beam in gas. (UCRL – 79886) 371923
Yu, W.S.
Redundant coolant capability for fusion reactor blankets. 377579
Yuan, L.C.L.
J/psi production and high-mass electron-pair limit in pp collisions at square-roots=52 GeV. 364461
New developments on transition radiation detectors using superconducting granules. (BNL – 23234) 363603
Review of experimental works on transition radiation. (BNL – 23233) 364599
Yuasa, Yoshiyuki
Method of recovering radioactive rare gases. 350388
Yucemen, S.M.
Seismic risks analysis for nuclear power plants. 373822
Yudelevich, I.G.
Atomic absorption determination of main composition of semiconductor films. 375387
Atomic absorption determination of rare earth elements. 359577
Investigation of materials and structures for electronic engineering. 349249
Limit reduction of mecroimpuritis detection in chemical-spectral analysis of pure substances. 359569
Yudin, F.P.
Basic prerequisites and the practice of using deep water tables for burying liquid radioactive wastes. (ORNL-tr – 4390) 361128
Principal prerequisites and practice for using deep aquifers for disposal of liquid radioactive wastes. 368406
Yudin, L.A.
Axial dipole instability of electron-ion rings in a circular waveguide. (ITEF – 99) 365761
Yudin, L.I.
Light circuit for data transmission in accelerator component control. 357973
Stabilized current sources on the basis of commercial thyristor converters. 358418
Thyristor modulator for an arc ion source of a cyclotron. 376377
Yudin, M.F.
Problems of metrological research automation in the field of ionizing radiations. 376720
State primary standard for units of equivalent dose and equivalent dose rate of neutron irradiation. 376262
State special standard for absorption dose unit of X-ray irradiation with maximum photon energy from 3 to 9 fJ (20-60 keV). 376256
State special standard for bremsstrahlung energy flux unit in the range of maximum photon energy 0.8-8.0 pJ (5-50 MeV). 376263
Yudin, V.K.
A coding and reading data unit from hodoscopic recording systems in the CAMAC standard. 363552
Yudin, V.V.
Lithium and sodium intersitial distribution in CdS two-component semiconductor. (KFTI – 75-35) 353426
Relativistic semigroup, Lorentz group and tachyons. 1. 358691
Relativistic semigroup, Lorentz group and tachyons. 2. 361328
Yudina, K.S.
Americium extraction by vinylene diphosphine dioxides. 378489
Yudina, N.G.
Atomic absorption determination of rare earth elements. 359577
Yueh, W.R.
Neutrino transport in supernova models: S/sub N/ method. 372313
Yuferev, A.A.
The electrical properties of a strongly disordered system based on lightly doped germanium compensated by disordered regions. 370154
Yuferov, V.B.
On the solution of the vacuum problem for thermonuclear systems. 368939
To the solution of vacuum problem in thermonuclear facilities by cryogenic methods. (INIS-mf – 3954) 361527
Yuhara, S.
Sodium compatibility and corrosion tests for component materials. (CONF-760503 – P2) 352716
Yukawa, K.
Concentration profiles of Cr, Ni and Cu implanted into mild steel. 368805
Yukawa, Yuzuru
Operating experience of Hamaoka Nuclear Power Station. 368129
Yuki, Yasuo
Saturation of polymer yield during postpolymerization of gamma-ray irradiated 2-amino-4-N-methylanilino-6-isopropenyl-1,3,5-triazine. 354458
Yukishima, Itsuo
Core-supporting device in a gas cooling type reactor. 379685
Yukitoshi, Teruo
Development of steel tubes for steam generator of fast breeder reactor. 349557
Yukov, E.A.
Laser-produced dense plasma diagnostics based on spectra of hydrogen-like and helium-like multicharged ions. 348869
The observation of intercombination lines $1s3p\ ^3P_1 \rightarrow 1s^2\ ^1S_0$ of multicharged He-like ions in laser-produced plasmas. 358917
Yuktonis, S.E.
Using ditelluratocuprate (3) for separated photometric determination of strong reducers. (INIS-mf – 4191) 375346
Yul'chibaeva, S.G.
Effect of radioactive irradiation and subsequent storage on supermolecular structure and some properties of cotton cellulose. 359797
Yuldashbaev, T.S.
Calculations of electron-nuclear cascade characteristics at E_0 approximately 10^{13} eV. 361665
Study on characteristics of scintillation detectors with elongated configuration. 363545
Yuldashev, A.A.
On the structure of the longitudinal rapidity inclusive distribution in the 20-200 GeV range. 369347
Yuldashev, B.S.
On the structure of the longitudinal rapidity inclusive distribution in the 20-200 GeV range. 369347
Yule, H.P.
A comparison of photopeak area computation methodologies. 374544
Yulikov, E.I.
Spent nuclear fuel transport problems. 367947
Yulmet'ev, R.M.
Effect of the internal local magnetic fields on the structure of the time correlations of nuclear spins. 371705
Yulo, T.
Enhancement of the non-tryptophan fluorescence of human lens proteins after near-UV light exposure. 360238
Yumatov, V.D.
X-ray electron study of character of electron density distribution in oxygen containing extractants. 351617
Yumatov, V.I.
High-energy muon production in atmosphere. 365333
Yumoto, Ryozo
Irradiation experiment of FUGEN PuO_2-UO_2 fuel assembly in SGHWR, 1. (PNCT – 831-77-01) 379716
Yun, H.B.
Polymerization of unsaturated monomers with radiation in the presence of salts. (US patent document 4,024,040/A/) 351653
Yun, S.I.
Radiation damage and energy transfer in MnF_2 and $RbMnF_3$ crystals. 357435
Yund, R.A.
The effect of fluid pressure on oxygen isotope exchange between feldspar and water. 375610
Yuneev, V.M.
Phase correlations in DyOsub(1,5)-PrOsub(1,5) and DyOsub(1,5)-PrOsub(x) systems. 367096
Yung, Y.L.
Ultraviolet spectrometer experiment for the Voyager mission. 374884
Yunis, A.T.
Spin correlations in neutrino (antineutrino)-electron scattering taking account of (S,T,P) interactions of neutral and charged currents. 375033
Yunker, W.
Formation and hydraulic effects of deposits in high temperature sodium coolant systems. (CONF-760503 – P2) 352790
Yunn, B.C.
Quantum fields with a multiplicative structure. 353148
Yunovich, A.Eh.
Electroluminescence spectra of p-GaSb-n-Gasub(1-x)Insub(x)Sb

heterojunctions. 348811
Yunusov, M.S.
Impurity diffusion in silicon accelerated by ^{60}Co gamma radiation. 374734
Subthreshold defect production in silicon. 370249
Yur'ev, B.P.
Effect of electrolysis conditions on the composition of electrolytic tungsten-rhenium alloys. 349312
Yur'ev, V.P.
Chemical reaction of cycloalkenes with silane derivatives. 359717
Yur'ev, Yu.s.
Approximate calculation of temperature and comparative efficiency of heat exchangers with cross-parallel coolant flow in the intertubular space. (FEI – 661) 349987
Approximate simulation technique for thermal and hydraulic parameters of a reactor core. (FEI – 597) 358038
Averaged equation of liquid flow in a porous body consisting of rod bundles. (FEI – 631) 349986
Calculation of hydrodynamic characteristics of two-phase annular dispersed flow. (FEI – 549) 349972
Calculation of the reactor core temperature field in case of two-dimensional or three-dimensional coolant flow. (FEI – 649) 376421
Cellular body model application to thermohydraulic calculations of reactors and heat exchangers. 370792
Numerical calculation of dumping of hydraulic nonuniforms in rod assemblies. (FEI – 646) 350110
Yur'eva, V.S.
Synthesis and structure of aromatic and heterocyclic tellurium compounds. 369697
Yura, Takashi
Membrane proteins of Escherichia coli K-12: two-dimensional polyacrylamide gel electrophoresis of inner and outer membranes. 357653
Yurasova, O.I.
Using radioactive tracer technique in municipal hygiene. 349963
Yurasova, V.E.
Some specific features of the formation of monocrystal surface structure due to ion bombardment. 349601
Yurchenko, G.K.
Investigation of NH_4VO_3 and H_2O_2 reaction products. 351505
Yurchikov, E.E.
Moessbauer studies of a hyperfine magnetic field in FePd alloys. 358904
Yurek, G.J.
Zirconium metal-water oxidation kinetics. IV. Reaction rate studies. (ORNL/NUREG – 17) 357740
Yurik, I.I.
Reduction of irreducible unitary representations of generalized Poincare groups by their subgroups. 348607
Yurina, A.V.
Presowing gamma irradiation of seeds as a method to increase cucumber fruitfulness in the hot house. 360253
Yurka, Yu.A.
Activation method for determination of Pt, Pd, Ir and Rh macrocomponents in noble metal alloys using neutron generator. (INIS-mf – 4188) 375388
Yurkevich, A.M.
Synthesis and complex forming properties of copolymers of N-vinylpyrolidone with aminoaklylmethacrylates, containing boronium groups. 354342
Yurkevich, V.G.
Pilot-industrial production of radiation-modified thermal-shrinkaged "Termoplen" film. (INIS-mf – 4194) 376283
Yurkin, Yu.T.
Investigation into γ-quanta with the energy (> =) 40 MeV in the upper layers of the earth atmosphere. 357530
Periodic gamma radiation from the Cygnus X-3 discrete source. 364323
Yurkov, B.Ya.
Cascade theory at high energies of a primary displaced atom. 348863
Yurkov, L.I.
Way of preparation of aqueous solutions containing ruthenium compounds. (Soviet patent document 469665/A/) 354348
Yurov, S.S.
Stimulating action of continuous γ-irradiation with low dose-rates on the growth and development of Aspergillus niger. 360248
Yurov, Yu.G.
On transverse electromotive force arising during illumination of an InSb-NiSb plate. 348865
Yurova, L.N.
About the evaluation of nuclear data requirements for experimental studies on reactor physics. (INIS-mf – 4043) 360785
Experimental determination of the effective resonance integral of metallic thorium. 358049
Heterogeneous effects on experimental integral parameters of subcritical assemblies. 360784
Yusa, H.
Development of a laundry waste treatment system. 358488
Research and development on removal of radioactive noble gases in Japan. 358503
Yusa, Hideo
Description of aerosol release associated with sodium burning. 372968
Method of filling with radioactive wastes. 380017
Method of processing radioactive rare gases. 361113
Method of transporting radioactive slurry-like wastes. 350392
Yushin, N.I.
Radiation action on physicochemical properties of bismuth-molybdenum catalyst in oxidative ammonolysis. 373093
Yushka, G.B.
Hole drift in high-resistance p-type CdSe crystalline plates. 348836
Yushkevich, P.M.
Plastic deformation effect on the mechanical properties and structure of a quenched low-carbon steel. 369995
Yushkevich, R.M.
Decascading in analysis of gamma family characteristics obtained in X-ray emulsion chambers. 361749
Yushkevich, Yu.
Selective production of short-lived neutron-deficient isotopes of yttrium, strontium and rubidium using molybdenum and zirconium as on-line solid-state targetmaterial. (ZfK – 332) 372949
Yushkina, E.T.
Titanium effect on the spreading of copper alloys over the surface of ceramic materials. 351721
Yushkov, A.V.
Study on the structure of the even-even iron isotope surface by the Blair phase shift method. 375195
Yushkov, B.Yu.
Correlation of hard x-ray source positions with globular clusters. 369037
Observation of discret sources of hard x radiation on the "Kosmos-428"satellite. 376611
Yushkov, P.I.
Comparative radiosensitivity of seeds of warted and pubescent birch. 360246
Yushkov, V.I.
The problem of selection of plasma spraying conditions. 349423
Yushmanov, E.E.
Stabilization of the drift-cone instability (DCI) by low-energy ions. (INIS-mf – 3963) 371901
Yusifova, G.N.
Extraction-photometric determination of some d-elements with polyphenols in the presence of aromatic amines. (INIS-mf – 4192) 375217
Yuspa, S.H.
Detection of carcinogen-DNA adducts by radioimmunoassay. 357703
Yust, C.S.
Structural characterization of HTGR pyrocarbon fuel particle coatings. 357431
Transmission electron microscopy of pyrocarbon coatings. 378791
Yusutov, R.N.
Behaviour of cadmium during hydrometallurgical processing of zinc ore. 375611
Yut, M.K.
Use of selective dissolving of zirconium and titanium during investigation into corrosion. 351673
Yutkin, M.G.
On the $^{58}Fe(\gamma n)^{57}Fe$ reaction near a threshold. 378017
Yuwiller, A.
A study of lithium uptake and location in the brain using the nuclear track technique. 372845
Yuzhakova, G.A.
Some biochemical effects of partial body irradiation in case of combined radiation action. 376101
Yuzhnyj, O.V.
Determination of gold in the production wastes from the reaction (γ,γ') in nuclear reactor. 356978
Yuzvuk, N.N.
Device for failed fuel elements detection of water cooled reactor after shutdown. (Soviet patent document 274994/A/) 376457
Yvert, M.
New limits for the exotic exchange reaction $\pi^- p \rightarrow K^+ \Sigma^-$ at 5 and 8 GeV. 372515
Yvon, K.
On the lattice instabilities in Chevrel phases. 374797
Zaal, G.J.
High resolution spectroscopy with tunable pigment lasers. (INIS-mf – 4267) 377149
Zaalouk, M.G.
On the dynamics of nucleate region flow boiling. 355123
Zab, R.
Treatment of low strains and long hold times in high temperature metal fatigue by strainrange partitioning. (ORNL/Sub – 3988/1) 373234
Zabaluev, V.M.
Copper determination in polymetallic ores by x-ray radiometric method. 351943
Zabashta, L.A.
Effect of cyclic heats on the structure of bimetals. 370063
Zabejvorota, N.S.
Use of solid electrolytes for investigation of systems Mo, MoO_2 and Cr, Cr_2O_3 at 1000-1700 deg C. (INIS-mf – 4189) 375612
Zabek, M.
Fragmentation of relativistic heavy ions. 369277
Zabel, H.
Specific anomaly at the α-α' phase transition in NbHsub(0.3). 378638
Zabelin, V.M.
A simulator of the well-type gamma-spectrometer with Ge(Li)-semiconductor detector. 349622
Zabidarova, N.V.
Comparative study of the absorbed dose rate of mixed gamma and neutron radiations in the WWR-M reactor experimental channel for biological studies. 379381
Zabielski, C.V.
Electrochemical behavior of some binary and polynary uranium

alloys. 373109
Zabielski, J.
The appraisal of the efficacy of washing the surfaces in the slaughter premises by means of bacteria labelled with ^{32}P. 373980
Zabierowski, J.
A study of the spectrometric characteristics of the 49B type photomultipliers. 376605
Zabkar, A.
Blistering of stainless steels by He^+ ion bombardment. (IAEA – 199) 349595
Zablotna, R.
Zinc-65 transfer across the placenta at late pregnancy in rat. 379129
Zablotny, W.
Detection of leakages in industrial water conduits by means of radioactive ganges. 367896
Zaboeva, M.I.
Method for separation of niobium from certain elements. (Soviet patent document 460246/A/) 375613
Zabolitzky, J.G.
Fermi-hypernetted-chain methods and the ground state of fermion matter. 358692
Magnetic moments of light nuclei. 361994
Many-fermion theory in expS- (or coupled cluster) form. 377907
Nuclear matter revisited. 375130
Zaborova, E.P.
Strong active areas and disturbances of the interplanetary medium. 356271
Zabrodin, L.D.
Control computer system for a proton cyclic accelerator. (INIS-mf – 3909) 374042
Dispatch software for a control computer system of a cyclic accelerator. (INIS-mf – 3909) 374097
Organization of operative data exchange between two "DNEPR-1" control computers. (INIS-mf – 3909) 374098
Zabrodin, P.I.
Experience in application of electric radioisotopic injector ERI-I to study pumping wlls in the Samotlorskoe field. 349662
Zabrodskaya, A.S.
The KVEKS procedure. (FEI – 643) 350439
Zabrodsky, J.
Materials in CANDU reactors and constraints on supply. 362365
Zabrovskaya, V.F.
The chemical induction phenomenon in conjugated oxidation of copper, molybdenum, tungsten. 351593
Particularities of sublimation kinetics of interference coloured oxide films on molybdenum and tungsten. 351594
Zabza. A.
Non-gaseous radiolysis products of 6-aminopenicillanic acid and potassium salt of benzylepenicillin. 354419
Zacek, F.
Direct currents generated by microwave heating in toroidal plasma. 377455
Direct toroidal current generated by microwaves. (INIS-mf – 3963) 371915
Zacek, J.
Charge asymmetry at large psub(T) in inelastic anti pp reactions at 22.4 GeV/c. 353943
Inclusive spectra in anti pp interactions at 22.4 GeV/c. 353941
Multiplicities and forward-backward correlations in anti pp interactions at 22.4 GeV/c. 366882
Transverse momenta correlations in annihilations at 5.7 GeV/c. 366885
Zachariah, S.
Cisternography and computed tomography in the assessment of impaired cerebrospinal fluid circulation. (INIS-mf – 4010) 357688
Zachariasen, F.
Diffraction scattering in quantum chronodynamics. 364553
Zacheslavskaya, R.Kh.
Electronic structure of dinuclear chloride clusters of heavy transition elements. 1. 375668
Zadoks, J.C.
Simulation models of epidemics and their possible use in the study of disease resistance. 373754
Zadorozhnyj, V.G.
Improvement of rotor-pulsation apparatuses for machining of high-abrasive media. (INIS-mf – 3914) 349572
Influence of glow discharge treatment of steel in argon on the adhesion of lead-zinc and lead-cadmium coatings. 349424
Zadorozhnyj, V.N.
Some properties of correct solutions in the problem of an electron in a quantized plane-wave field. 368519
Zadravecz, Gy.
Study of DNA metabolism of lymph-node cells by direct lymphatic administration of tritiated thymidine. 370443
Zady, M.F.
Kinetics and mechanism of carbon-8 methylation of purine bases and nucleosides by methyl radical. 362224
Zaehring, G.
Safety device for rotor blades of turbo-engines. (German (F.R.) patent document 2409701/B/) 376429
Zaffiro, B.
Experience on the application of safeguards systems to Italian nuclear power plants. 371288
Zafiratos, C.D.
(^3He,n) reaction studies near N = 82. (TID – 27909) 377959
Observation of the proton-pairing vibration in ^{206}Pb. 366963
Proton pairing states observed in the $^{208}Pb(^3He,n)^{210}Po$ reaction. (TID – 27909) 377960
Proton shell closures at Z = 38. (TID – 27909) 377957
Structure of ^{88}Sr from the $^{86}Kr(^3He,n)^{88}Sr$ reaction. 372695
Study of 2p – 1h states in the Z = 50 proton shell via the $^{113-115}In(^3He,n)^{115-117}Sb$ reaction. (TID – 27909) 377958
Two-proton excitations at the Z = 38 and Z = 40 sub-shell closures. (TID – 27909) 377956
Zagadkin, V.A.
The application of direct-charge detectors for power monitoring of PWR reactors. 379583
Zagalak, M.-J.
Quantitation of deuterated and non-deuterated phenylalanine and tyrosine in human plasma using the selective ion monitoring method with combined gas chromatography-mass spectrometry. 352138
Zagatskij, V.R.
Electromagnetic determination of the corrosion extent in nonmagnetic metal articles. 375799
Zagidullin, S.N.
Influence of state of platinum electrode surface on electrochemiluminescence of acidic uranyl solutions during formation of ozone and other peroxide compounds. (INIS-mf – 4195) 375670
Low-temperature electrochemiluminescence of uranyl at high potentials in binary system. (INIS-mf – 4195) 378498
Zagorets, P.A.
Ethylene interaction with carboxylic acids. 362282
Rearrangement of alkyl radicals in the process of radiation telomerization of ethylene with ethyl bromide. 362273
Telomerization of ethylene by capronitrile under γ-irradiation. 375706
Telomerization of olefins and ketones initiated by ionizing radiation. 378546
Zagorski, P.Z.
Instrumentation for radiation chemistry research in the Institute of Nuclear Research in Warsaw. 375723
Zagorski, Z.P.
Correlation between radiation absorbed dose and electrical parameters of electron linac operation (LAE 13/9 in Warsaw). 379483
New information on kinetics in pulse radiolysis from measurements of Cerenka light autoabsorption. 354459
Zagoryuev, A.L.
Gamma radiation intensity for neutron activated bodies of cylindrical form. 378180
Zagova, L.Z.
Energy and charge composition of nuclear active component of extensive air shower with $N = 10^4$-10^5. 362599
Zagrebin, B.N.
Magnetic susceptibility of liquid binary gallium alloys. 378754
Zagrebnov, V.A.
An exactly soluble model for matter interacting with radiation. 355787
Zagruzina, A.N.
Azo derivatives of pyrocatechol as analytical reagents for tungsten and molybdenum. (INIS-mf – 4191) 375318
Zagulyaeva, S.V.
Study of austenite grain form in a structural steel. 373285
Zagusta, G.A.
Polarization of phosphorescence of symmetric metalloporphyrins. 351595
Zahn, C.T. Jr.
Data structures for pattern recognition algorithms: a case study. (SLAC-PUB – 1566) 361216
Zahn, G.
Cryogenic installation for the energy storage experiment 'ESPE2'. 360631
A reciprocating liquid helium pump used for forced flow of supercritical helium. 376321
Zahn, H.S.
Developing maintainability for tokamak fusion power systems. Phase I report. Volume I. Study results. (COO – 4184-4(Vol.1)) 377580, 377581
Zahn, L.L.
High-density fuel storage for boiling water reactors. 352632
Zahn, W.
Analytic methods for refined resonating group calculations. I. 377892
Microscopic calculations for the ^8Li system. 356658
Zahner, R.R.
What about improving the productivity of electric power plants. 363694
Zahos, K.
Study of the planarity in K^-p reactions at 8.25 GeV/c. 369379
Zahradnik, R.
Ab initio studies of chemical equilibria. III. 357035
Zaichkina, S.I.
Relationship between chemical protection and reparation of radiation – induced damages chromosomes. 378993
Zaichko, N.D.
Use of nuclear reactors to produce high-temperature heat for energy-intensive industrial processes. 366129
Zaidi, A.
The hyperfine interaction in electron impact radiation of mercury. 353307
Zaidi, S.A.A.
Formation constants of Pr(III), Nd(III), Sm(III), Gd(III) and Dy(III) complexes of 2,5-dimercapto-1,3,4-thiadiazole (Bismuthol I). 367143
Zaidi, S.M.N.
Experience from construction and operation of the Karachi

Nuclear Power Plant. 371004
Experience in implementation of nuclear power projects in Pakistan. 352713
Zaidler, Z.
Coindicence spectrometer. (Soviet patent document 424256/A/) 355532
Zaika, N.D.
A commutation block for data output to a digital printer. (KFTI - 75-15) 361093
Data input into AI-4096-3M analyzer from the FS-1501 device. (KFTI - 75-15) 361092
Zaikov, R.P.
Superconformal confinement. 369337
Zaikovskaya, M.A.
Subthreshold defect production in silicon. 370249
Zaitov, F.N.
Thermokinetic investigation of the x-ray activation luminescence of NaCl-Ag and KCl-Tl crystal phosphorus. (INIS-mf - 3993) 377320
Zaitsev, A.M.
J/psi particle production in π^--N interactions at 27 and 40 GeV/c. 369364
Zaitsev, E.I.
Studies of the distribution of rare earth elements in apatite - nepheline rocks and ores by instrumental neutron-activation method. 375389
Zaitsev, Ju.M.
Evaluation of the effective charges of atoms from combination of the x-ray K sub(α1) chemical shifts and the isomer shifts of the nuclear gamma-ray spectra. 354354
Zaitsev, Yu.M.
Estimate of "young" pion interaction. (ITEP - 28) 359251
Zaitseva, S.A.
The structure of the solar flare stream magnetic field. 356305
Zajchenko, M.V.
Using ferrosilicon production slags for reduction of open-hearth steel. 378570
Zajchenko, V.I.
Study on thermal expansion mean coefficient of tungsten-niobium system. 375912
Zajchenko, V.M.
Investigation into the electric conductivity of tungsten-rhenium alloys in the range of concentration anomaly. 378755
Thermal expansion of molybdenum. 370019
To the problem of specific electric conductivity measurement of metal alloys. 373286
Zajchik, V.E.
Determination of nitrogen and phosphorus in bone tissues by activation with 14 MeV neutrons. 364880
Distribution of the energy absorbed by the microstructures of tissues and organs upon internal irradiation with heavy charged particles. 370692
Zajde, Ch.
Computer processing and display of dynamic images in nuclear medicine. (INIS-mf - 4010) 368335
Zajdel', A.N.
Application of resonance interferometry and holography for plasma diagnostics. 348906
Zajdel', K.
Elastic and inelastic scattering of 3.4 MeV neutrons on Na, Mg, Al, Si, P, V, Mn, Fe, Co, Pb and Bi isotopes. 378036
Taking into account of pre-equilibrium processes in the Cn, 2n), (n, pn) and (n, np) type reactions. (INIS-mf - 3897) 356669
Zajdman, N.M.
Forming of disperse structure of rhenium and platinum in aluminium rhenium catalysts. 367144
Zajic, A.
Safety and reliability of nuclear power plant operation. Part 2. 349899
Zajkov, Yu.P.
Bromine reaction with molten alkali metal chlorides. (INIS-mf - 4193) 375470
Zajkovskij, N.Ya.
The types and geophysical characteristics of terrigenous rock reservoirs of Dneprovsko-Donetskaya basin. 349663
Zajmidoroga, O.
Analysis of the precision in effective mass and four-momentum transfer for forward produced systems using the magnetic spectrometer MIS. (JINR-E - 1-10718) 376719
Zajmovskij, A.S.
Plutonium fuel and fuel elements for power reactors. 368048
Zajmovskij, V.A.
On the mutual effect of deformation and pearlite transformation. 370080
Thermomechanical isothermal treatment effect on structure and properties of a structural steel. 378756
Zajnobidinov, S.
Interaction of deep impurity atoms with radiation defects in silicon under gamma irradiation. 374665
Zajnulin, Yu.G.
Kinetics and mechanism of initial stages of carbon-thermal reduction of ZrO_2. 364972
Zajnullina, R.I.
Effect of high pressure on magnetic properties of Cr_5Te_6 ordered alloy. 377196
Magnetoresistance of Cr_5Te_6 alloys in the region of magnetic phase transformations. 369957
Zajnullina, R.V.
Complexing of sulfides and sulfoxides with $Mo(CO)_6$. 369650
Zajonchkovskij, A.Ya.
Central peak in the spectrum of fluctuations of a ferroelectric mode and dielectric losses in $SrTiO_3$ at 4.2 K. 374787
Zajtsev, A.A.
Electronographic study of carburization and oxidation of thin tungsten and molybdenum films. 349373
Use of lavsan thin film in optical spark chambers. 379964
Zajtsev, A.L.
Features of simultaneous discharge of tungsten with nickel and cobalt. 378317
Zajtsev, A.N.
The effect of storage and culinary treatment of irradiated potato on the cytogenetic activity of extracts obtained therefrom. 354912
Zajtsev, B.E.
Effect of ultrasonic treatment of liquid melt on micro-chemical inhomogeneity and plasticity of nickel base heat resisting alloys. (INIS-mf - 3914) 349523
Zajtsev, E.A.
Regularities in forming hardened layer during electric spark alloying on the mechanized plant EhFI-66. 349552
Structure and content of strengthened layer resulting from electric spark alloying of steel 45. 370043
Zajtsev, E.I.
Application of x-ray radiometric analysis in geochemistry exploration. 376029
Method for separate determination of aluminium and silicon. (Soviet patent document 223948/A/) 356985
Zajtsev, G.N.
Nickel intermetallic compound sprayed in vacuum. 369915
Oxidation and interaction with nickel directed eutectics Ni_3Al-Ni_3Nb and Ni(Cr)/Ni_3Al-Ni_3Nb protecting coatings. 373247
Zajtsev, L.M.
Systems formed by Tl, In and Sc tungstates. 364996
Zajtsev, M.L.
Using cold deformation methods in flow-production of steel high precision shaped sections. 349425
Zajtsev, N.M.
Influence of additional microalloying on microstructure formation during internal oxidation of nickel alloys. 369893
Zajtsev, P.M.
Polarographic determination of europium in rare earth phosphates in the presence of titanium. 378122
Zajtsev, S.G.
Study on efficiency of plasma flow energy conversion into electric one on a pulse magnetogasdynamic facility. (INIS-mf - 3954) 361757
Zajtsev, S.N.
Shower spectrometer with a combined radiator. 361015
Zajtsev, V.I.
Machining effect on revealing the defects when testing tightness. 373156
Zajtsev, V.K.
Electric conductivity of amorphous boron in a strong electric field. 361484
Zajtsev, V.M.
Surface diffusion of refractory metal atoms over polycrystal rhenium. 349473
Zajtsev, Yu.M.
Comparison results of automatic and semiautomatic processing of images from the ITEF 1,5 m spectrometer. 361074
Investigation into the influence of U_{92} chemical state on the energy of X-ray emission L-transitions. 349327
On use of free atom approximation during interpretation of chemical shifts of x-ray emission lines. 378336
Zajtsev, Yu.V.
Experimental determination of cross sections of dissociative recombination of helium molecular ions with production of helium ions in different excited states. (INIS-mf - 3915) 348678
Experimental estimation of differential cross-sections of scattering in atom-atom collisions by means of Doppler broadening. (INIS-mf - 3915) 348679
Zajtseva, Eh.M.
Method for preparation of nitrate and chloride solutions of zirconium. (Soviet patent document 460245/A/) 375405
Zajtseva, G.V.
Spectral and photometric observations of fast irregular variables. 377629
Zajtseva, L.L.
Pertechnetate and perrhenate of bivalent lead. 359766
Thermal stab lity of hexachloro- and hexabromotechnetates of ammonium. 378431
Zajtseva, Z.A.
Crystal structure of ytterbium chromite. 351596
Zak, W.
The characteristics of power reactors as sources of ionizing radiation hazards to the environment. 355012
Zakaryan, M.S.
Modification of radiation-induced damages to chromosomes in Crepis capillaris L. seeds by inhibition of additional DNA synthesis if G_2 phase. 349723
Zakhar, P.A.
Copper corrosion in molten sodium polyphosphate and sodium borates. 349368
Zakhar'in, D.S.
On the use of Ge(Li)-spectrometers in corrosion-electrochemical research. 362313
Zakharchenko, I.E.
Hyperradial functions in the two-, three- and four-body problems. (IAE - 2462) 348625

Zakharchenya, B.P.
Magneto-optical phenomena in radiation spectra related to optical orientation of electrons and nuclei in semiconductors. 371706
Zakharchuk, O.V.
Semiconductor spectometer of current signal fronts. 358331
Zakharenkov, Yu.A.
Investigation of compression of hollow microspheres irradiated by a laser. 348878
Observation of fast ions in laser-produced plasma. 369011
Zakharevich, A.A.
Corrosion behaviour of metals in the production of lead. 359837
Zakharov, A.A.
Thermodynamics of InP transfer by water vapors. 378445
Zakharov, A.I.
Investigation into electronic structure of some transition metal silicides by the method of X-ray photoelectron spectroscopy. 378353
Investigation of iron-nickel alloys by means of X-ray emission spectroscopy. 349490
Zakharov, A.P.
Effect of irradiation by low-power ions of hydrogen on its diffusion in molybdenum. 373382
Effect of magnetic surface parameters on low-frequency fluctuations of plasma. (KFTI – 74-36) 348974
Zakharov, A.V.
The kinetic theory of the perturbations in the isotropic universe. 366311
Spectral-time analysis of modulation of poured out electrons and VLF-radiation on data obtained by the Interkosmos-5 satellite. 376046
Study on trapped radiation by the Kosmos-426 satellite. 378947
Zakharov, B.V.
Some questions of titanium coating of carbon steels. (INIS-mf – 4046) 369882
Zakharov, D.M.
Titanium alloys as structural materials for liquid-metal radiation circuits. 359838
Zakharov, E.A.
Fast neutron activation analysis of silicon in tungsten. 351462
Zakharov, I.A.
Lethal action of ionizing radiation on the chlorella vulgaris cells containing varying dmounts of intracellular cysteine. 349725
Quenching of fluorescence by solutions of foreign substances in pores of different radius. 349313
Zakharov, L.E.
The theory of hydromagnetic stability of a tokamak plasma. 372104
Zakharov, L.K.
Continuous analysis of iodine, cesium, barium, strontium, yttrium and rare earths isotopes from water coolant of nuclear reactor. 356967
Zakharov, M.S.
Electron microscopy study of the structure of electrodeposited iron-nickel alloys. 349519
Zakharov, N.G.
Anisotropy of paramagnetic cadmium centers in alkali-halide crystals. 377159
Zakharov, N.V.
Relativistic nucleus dosing for two-meter propane chamber. (JINR – 13-10353) 379891
Zakharov, R.G.
Synthesis and structural characteristics of the spinel-type solid solutions in the Mn-V-Fe-O system. 359680
Zakharov, S.D.
Collector-probe measurements of laser-produced plasma parameters at for distances. 348872
Zakharov, S.M.
Acoustic emission in tungsten and copper affected by a single pulsed electric discharge. 359929
Zakharov, V.D.
Test body system in the field of plane gravitational waves. 361249, 361329
Zakharov, V.E.
Multidimensional method of inverse scattering problem and equations of duality for the Yang-Mills field. 371342
Two-dimensional solitons of the Kadomtsev-Petviashvili equation and their interaction. 356137
Yang-Mills equations as inverse scattering problem. 371341
Zakharov, V.I.
Contact contribution in lanthanide shifts of ^{1}H and ^{31}P in nuclear magnetic resonance spectra of phosphonates. 369597
Naive quark model and deep inelastic scattering. 359303
New elementary particles. 364554
Nonleptonic decays of K mesons and hyperons. 375050
On the $K^{+} \rightarrow \pi^{+}e^{+}e^{-}$ decay. (ITEP – 98) 349075
On the use of alpha-naphtol in nuclear photography. 368333
Remarks on the electromagnetic form factors of hadrons in the quark model. 377772
Strong-interaction effects on the K/sub L/ → 2μ decay and K/sub L/-K/sub S/ mass difference. A reply. 351186
Widths of narrow mesons made from heavy quarks. 364493
Zakharov, V.K.
Vibration structure of electron spectra of Eu^{3+} ion in inorganic glass. (INIS-mf – 3955) 377321
Zakharov, V.N.
Some problems of computer software construction for data processing obtained by methods for experiment planning. (INIS-mf – 3909) 374538
Zakharov, Yu.A.
Mechanism of accelerating effects of aluminium oxide and thallium (3) oxide on potassium nitrate and potassium perchlorate radiolysis. 369802
Radiolysis of potassium nitrate and potassium perchlorate in heterogeneous solid-phase systems. 373089
Zakharov, Yu.I.
Cosmic muon background in different radiochemical detectors of solar neutrinos. 363604
Zakharova, A.A.
Thermodynamic analysis of transfer of indium arsenide by water vapors. 359718
Zakharova, M.I.
Phase composition and structures of alloys of RCo_5 type with alloying elements. 349558
Zakharova, O.M.
Study of trimerization of acetylene in benzene. Catalytic activity of niobium and its oxides. 378338
Zakharova, T.M.
Titanium effect on the spreading of copper alloys over the surface of ceramic materials. 351721
Zakharova, T.V.
Constants of unstability and solubility product of rare earth methylmalonates of cerium subgroup. 351542
Investigation into neodymium complexes with methylmalonic acid by spectrography. 375614
Zakharova, V.P.
Double ionization chamber for studies on fission fragment spectra. 350288
Zakharyan, L.V.
Amperometric determination of vanadium(3) and vanadium(4) in glasses. 356944
Zakharyants, A.G.
Positron annihilation in α-$LiIO_3$. 374798
Zakhidov, A.Sh.
Radioactivation gold determination in natural waters with extraction-chromatographic separation. 349193
Zakhriya, N.F.
On mechanism of sulfides effects during chlorination of metal oxides of chromium subgroup in arc carbon electrode. 359708
Zakhvatikhata, K.V.
Detection of variously oriented defects during ultrasonic testing of pipes. 357242
Zaki, G.M.
Experience in reactor research and development programs as educational systems for thermohydraulic engineering. 352627
Zaki, M.R.
Actinoid pnictides. 359722
Zakirov, B.S.
High-frequency line of a microtron. 363370
Stereomicrotron. 365750
Using a 30 MeV microtron for purposes of the radioactivation analysis. 363301
Zakirova, A.V.
Preparation of cesium sulfatozirconates. 351510
Zakosiki, W.
Radioimmunoassay of insulin by the double antibody method. Evaluation of the technique in practice. 357718
Zakrevskaya, T.M.
Coprecipitation of iodide, iodate and periodate ions with hydroxides. 359752
Zakrevskij, E.A.
Properties of carbon-carbon composition materials of the type of syntactic foams. 378819
Zakrzewska, I.
Effect of ionizing radiation on some properties of rabbit polymorphonuclear granulocytes. 373550
Zakrzewski, W.J.
Multi-Regge limit of the Veneziano model and the new trajectories. I. 372480, 372481
Regge behaviour of the 6-point function and the new trajectories. 366875
Zakrzhevskaya, D.T.
DNA repair changes in DNA polymerase and DNA ligase activity in the regenerating liver of γ-irradiated rats. 362692
Zaks, A.
Semiclassical spectrum of the two-dimensional non-linear sigma models. 353761
Zakurdaev, I.V.
Periodical structure development on tungsten crystal surface during mass transfer in the temperature gradient field. 378757
Zalazinskaya, G.A.
Method for separation of niobium from certain elements. (Soviet patent document 460246/A/) 375613
Zalesskij, A.V.
NMR frequencies for Fe^{57} nuclei in the range of spin reorientation in crystals of mixed composition orthoferrites. 374784
Zaletnykh, B.A.
Experimental RBT-6 reactor. 376597
Zaletskene, Eh.P.
Determination of iodides with triphenylmethane dyes using multiplication reactions. (INIS-mf – 4191) 375390
Zalewska, A.
High multiplicity π^{-}d interactions at 21 GeV/c. 356503
Isospin analysis of the diffraction dissociation processes in K^{+}p interactions at 5 and 8.2 GeV/c. 356506
Production of π^{0} mesons in K^{+}p interactions at 8.2 GeV/c. 353936
Zalewski, K.
Production of π^{0} mesons in K^{+}p interactions at 8.2 GeV/c. 353936
Study of the reactions $\pi^{+}p \rightarrow \pi^{0}\Delta^{++}(1236)$, eta Δ^{++} (1236) and eta'Δ^{++} (1236) at 16 GeV/c. 372526

Zalikhanov, B.Zh.
Characteristics of the Cherenkov total absorption spectrometer for electrons and gamma-quanta. 371084
Zalikin, G.A.
Kinetics of ^{241}Am metabolism administered via lungs. 360363
Kinetics of exchange of americium-241 in a rat organism after a protracted subcutaneous administration. 360362
Metabolizm and acceleration of excretion of the inhaled americium-241. 357614
Zalkin, A.
Crystal structure of tetrakis[bis(N,N'-dimethylethylenediamido)uranium(IV)], a tetrameric globular complex. 367150
Structure of uranyl nitrate-bis(tetrahydrofuan). 378486
Zalkind, V.I.
Cathode spots on metal electrodes in conditions of MHD channel. 374987
Study on electric characteristics of a boundary layer on metal surfaces in channels of an open-cycle MHD generator. 377670
Study on heat transfer and boundary layers in the MHD channel with a variable wall temperature. 349041
Zalm, P.C.
Simple relations for nuclear moments, ch. 1. (INIS-mf – 4027) 356670
Simple relations for nuclear moments, ch. 2. (INIS-mf – 4027) 359448
Transient field g-factor measurements on the 2_1^+ states of ^{32}S and ^{34}S, ch. 5. (INIS-mf – 4027) 354279
The use of single-crystal iron frames in transient field measurements, ch. 3. (INIS-mf – 4027) 354278
Velocity and atomic number dependence of the transient magnetic field in iron, ch. 4. (INIS-mf – 4027) 356924
Zalmstra, J.
Collective bands observed in single closed shell even mass Sn nuclei. (INIS-mf – 4267) 377982
Zaloudek, F.R.
Requirements for a helium-cooled blanket heat removal system development facility for fusion reactor research. (BNWL – 2301) 366636
Zaltzman, S.
Liver and bone scanning after surgery in cancer of breast. (INIS-mf – 4052) 376128
Zalutsky, M.R.
The biological behavior of tin following administration of nine sup(99m)Tc-Sn complexes. 373636
Preparation of a biologically stable and immunogenically competent astatinated protein. 373015
Studies of tumor metabolism. 373635
Zaluzhnyj, A.G.
An investigation of helium release from structural materials during heating. 360124
Zalyalov, N.N.
Total cross-sections of gamma ray production in neutron inelastic interaction with rhenium and lead nuclei. (INIS-mf – 3897) 356869
Zalyubovskij, I.I.
Analysis of polarized-proton elastic scattering by ^9Be nuclei in the R-matrix theory frameworks. 362009
Specific features of spectral distribution of radio-frequency radiation of extensive air showers. 365340
Study on excited states of ^{94}Nb in the ^{94}Zr (p,nγ)^{94}Nb reaction. 377991
Zamalin, E.Yu.
Study of the interaction between intermediate vanadium oxides and carbon. 369688
Zaman, M.A.
A study of the (tau, α) reaction on ^{50}Cr. 378079
Zamaraev, K.I.
Study of features of diffusion collisions of molecules in binary mixtures using spin exchange. 365012
Zambello Junior, E.
The behavior of P in tropical soils. (CENA-BC – 032) 357445, 360135
Zamchalova, E.A.
Study on nucleon, pion and muon fluxes by means of X-ray emulsion chambers. 361659
Zamecnik, P.C.
Protein synthesis and its regulation: a background study related to the biological effects of radiation. Progress report, July 1, 1976 – August 31, 1977. (COO – 2403-10) 362638
Zamek, M.
Redox thermometric titrations with complex formation. (INIS-mf – 3849) 378187
Zamfir, N.V.
Lifetime measurements in ^{86}Zr. 375156
Zamick, L.
Charge symmetry considerations in determining neutron radii in nuclei. 372682
Elastic scattering of 1 GeV protons from nuclei. 351317
Isospin mixing of the 1^+ states in ^{12}C. 356654
Zamir, A.
Mapping of 23-S rRNA at the ribosomal peptidyl-transferase center by photo-affinity labeling. 352129
Zamir, D.
NMR study of platinum at high temperature. (IA – 1338) 364116
NMR study of thorium hydrides. (IA – 1338) 364091
Zamiralov, V.S.
Some consequencies of the Bonnet theorem for πN-scattering amplitudes. 349083
Zamoldchikov, A.B.
Exact S matrix of Gross-Neveu 'elementary' fermions. 377777
Zamolodchikov, A.B.
Exact S matrix of Gross-Neveu 'elementary' fermions. 377777
Exact two-particle s-matrix for quantum solitons in the sine-Gordon model. 368604
Exact two-particle S-matrix of quantum sine-Gordon solitons. 353172
Theory of the direct four-fermion interaction. 361824
Zamolodchikov, B.I.
Designed pion beam channels in a phasotron with the magnetic field variation. (JINR – 9-8782) 357952
Focusing in the phasotron central region at a positive potential in the discharge chamber of the ion source. (JINR-R – 9-9284) 355216
Zamora, M.F.
Effect of grain size and cooling rate on the brittleness of the steel 15Kh25T at 475 deg C. 378758
Zamotin, V.M.
On rolling of alloyed steels on the continuous light-section mill 250. 375767
Zamulina, L.I.
Alkylation of p-xylene by 1,4-diiodoperfluorobutane. 351525
Zamyatin, N.I.
Buffer storage blocks made in the CAMAC standard. (JINR – 10-9666) 376748
Delay time units in the CAMAC standard. (JINR – 9-9041) 350055
Zamyatnin, Yu.S.
^{245}Cm neutron resonance parameters in the 1-30 eV neutron energy range. 377968
Zanantoni, C.
The European Community case for nuclear power. 366126
Zandart, Ya.Ya.
Some results of an experimental study on pressure velocity and flow density distributions in blanket model elements. (INIS-mf – 3954) 364172
Zandee, L.
The anisotropy of the intermolecular potential for H_2- inert gas systems, determined from total collision cross section measurements with state selected molecules; the experimental setup and results. 368720, 368721
The total collision cross section of oriented H_2 scattered by N_2, CO, CH_4, CCl_4, SF_6, $C(CH_3)_4$, CF_4, N_2O and CO_2; derivation of anisotropic potential parameters. 361407
Zanelli, C.
Noise storms and particular photospheric magnetic structures. 353719
Zanelli, G.D.
A simple whole-body counter for measuring radionuclides in large dogs. 361027
Zanetta, J.P.
Double isotope method for the determination of catecholamines, serotonin, and other amines in the picomole range as their dansyl derivatives. 362136
Zanevskij, Yu.V.
Tuning of a magnetostriction spark chamber system of the "Photon" device by means of a beta source. (JINR – 13-10321) 379856
1,5x1 m^2 drift chamber performance. 371101
Zanevsky, Yu.V.
A low pressure proportional chamber with a high space resolution. 355531
Zangger, C.
Interaction between control and acceptance of nuclear energy in Switzerland. Aims and implementation. 371271
Zanicchi, G.
Some notes on the crystal chemistry of rare earths ternary intermetallic compounds. 362430
Zaninetti, L.
Relativistic parametric instabilities in extended extragalactic radio sources. 374904
Zankl, G.
Heading for the fusion reactor. 364269
Zannoni, G.
Analysing power measurements in the $^3He(n,n)$ reaction. 359475
Zanotelli, W.A.
Aerosol characterization from a simulated HDCA. Annual report. NRC program A1171-2. (MLM-MU – 77-70-0004) 379259
Zansokhova, A.A.
Determination of the rate constants of hydrogen ion reactions with pH-indicators in aqueous solutions by the method of pulse radiolysis. 357155
Yields and reactions of hydrogen ions on radiolysis of water and aqueous solutions. 357175
Zanten, B. van
The Radionuclide Centre of the Free University at Amsterdam, The Netherlands. 374545
Zanzi, I.
Total body sodium and chlorine in normal adults as determined by neutron activation analysis. 369540
Zanzucchi, P.J.
Optical and photoconductive properties of discharge-produced amorphous silicon. 373328
Zaorska, J.
High multiplicity π⁻d interactions at 21 GeV/c. 356503
Zapasskij, S.P.
Temperature dependence of magnetic moment orientation in RCo_5 compounds. 355978
Zapesochnyj, I.P.
Continuous radiation under ion bombardment of some transition

metals. 374764
Excitation of sputtered and scattered particles under ion bombardment of some metal surfaces. (INIS-mf – 3996) 364095
Exitation and charge exchange of Mg^+ ions on alkali metal atoms. (INIS-mf – 3915) 348747
Zaplatin, N.L.
Calculation of isochronous cyclotron magnetic system components by the net method. (JINR – 9-9034) 350051
Optimization of the meson-producing target position in a chamber of a phasotron with a spatial variation of a magnetic field. (JINR – 9-9078) 350095
Zaplatynsky, I.
Volatilization of oxides during oxidation of some superalloys at 1200 C. (N – 77-23238) 362314
Zapletnyak, V.M.
Aging resistance and stabilization of high density polyethylene formed on vanadium-containing catalyst. 357031
Zapol'skaya, N.A.
Biochemical changes in blood caused by radioisotopes. 349795
Changes in the excretion of deoxycitidine from rats after administration of radionuclides and gamma irradiation. 376132
Quantitative regularities of the injury and repair of MNS system of rats exposed to single and continuous external γ-irradiations. 370377
Zapol'skij, N.A.
New current pulser in a beam extraction system of the Yerevan synchrotron. (EFI – 181(27)-(76)) 352417
Zapolskaya, N.A.
Late morphological and functional changes in thyroid gland following radioiodine damage and associated with external radiation. 367608
Zaporozhets, S.A.
Experimental data on diffraction elastic scattering for 17.9 GeV/c α-particle on protons and He, C, Al, Cu nuclei. (JINR-R – 1-10565) 377952
Zaporozhets, V.M.
Static and molecular anions dynamic interaction of doping molecular anions XO_4^{2-} (X=Cr, Se, Mo, W) with K_2SO_4 and Na_2SO_4 crystal lattices. 377300
Zappe, D.
About the calculation of bremsstrahlung outside of accelerator buildings. 359363
Bremsstrahlung components outside of accelerator buildings. 2. (TU-Inf – 05-22-76) 355217
Zar, J.
Design of superconducting magnets for full scale MHD generators. 374990
Zaramenskikh, N.M.
On the theory of neutron activation method. 376024
Zarbaliev, M.M.
Synthesis and investigation into $CuLnTe_2$ compounds. 359932
Zare, R.N.
Laser isotope separation. Photochemical scavenging of chlorine-37 by bromobenzene. 357001
Multiphonon ionization: a method for characterizing molecular beams and beam reaction products. 371480
Zarebska, Z.
Antigenicity of DNA induces by photoaddition of 8-methoxypsoralen. 367464
Zarek, W.
Investigations of crystal and magnetic properties of nickel ferrite-aluminates. 371560
Zaremba, T.G.
Effects of ^{60}Co gamma irradiation on the polymerization of microtubules in vitro. 365361
Zarestkij, M.V.
Catalytic activity of γ-irradiated alumopalladium catalysts. 373060
Zaretskij, D.F.
Interaction of neutrons with a matter in the field of a strong electromagnetic wave. 377582
Mesic atoms and nuclear processes. 350697
Zaretskij, E.B.
To the problem of specific electric conductivity measurement of metal alloys. 373286
Zaric, M.
The radioactivity of Danube sediments between km 945 and km 1259 in the period from 1965 to 1975. 357523
Zaricj, Z.
Variations of starting conditions contribution to cooling tower plume predictions. 379310
Zarin, P.P.
X-ray-spectral and moessbauer study of erbium-indium garnets. 375913
Zaringhalam, A.
Angular momentum projection corrections to transition densities in rare-earth nuclei. 354129
Zarinskij, V.A.
Kinetics of isolation of microimpurity ions by electrodialysis of suspensions of nonsoluble compounds. 359767
Zaripov, R.A.
Studying VM-1 molybdenum alloy workability at high current density. 362361
Zaritskij, A.P.
Collector-probe measurements of laser-produced plasma parameters at for distances. 348872
Zaritskij, S.M.
About the evaluation of nuclear data requirements for experimental studies on reactor physics. (INIS-mf – 4043) 360785
Zaritsky, A.
The effects of growth rate and thymine concentration on the UV sensitivity of E. coli 15T⁻. (INIS-mf – 4052) 376095
Zarkova, L.P.
Thermal conductivity measurement of gases and vapours up to 2500 K. 378759
Zarmi, Y.
Hadron seagulls and parton jets. 353903
How jets get the jitters. (WIS-Ph – 77/39) 366876
Zaroski, J.
Production of π^0 mesons in K^+p interactions at 8.2 GeV/c. 353936
Zartova, E.Y.
Determination of the drift parameters of lithium in germanium with cylindrical and spherical forms of the electric field. 371118
Zarubin, A.V.
Shaper-amplifier for proportional chambers. 371146
Zarubin, P.P.
Analysis of the 6 MeV proton scattering on intermediate mass nuclei. 377855
Gamma ray spectrum emitted in the $^{111}Cd(p,n\gamma)\ ^{111}In$ reaction. 375211
Study on the excitation function of the $^{116}Cd(dn)sup(117m,g)In$ reaction. 378080
Zarubin, V.N.
The effect of a resonance r.f. field on the hyperfine structure of nuclear levels in a paramagnetic crystal. 377319
Zarubitskij, O.G.
Thermodynamic and X-ray studies into reaction of chlorides of alkali metals, thalium and beryllium. (INIS-mf – 4193) 375615
Zarzeczny, A.
Investigations of the structure of binuclear molibdenum(5) complexes by the isotopic exchange method. 354386
Zarzycki, K.
Exchange of radioactive phosphorus ^{32}P between the components of an artificial plant community. 367610
Zasedatelev, A.A.
Some regularities in the radioisotope behaviour in fresh water reservoirs. 349304
Zasimov, V.P.
Transport-overcharge container for radioactive sources. (Soviet patent document 473465/A/) 379461
Zasimov, V.S.
Low-temperature cameras for the Moessbauer diffraction experiments. 352391
Zaslavskij, B.G.
Effect of neutral salts on basicity of molten KCl. (INIS-mf – 4189) 375553
Zaslavskij, Yu.I.
CdS+Cu gamma radiation dosemeter with the enhanced radiation stability. 371099
Zasorin, E.Z.
Structure, vector field and coriolis constants of molecules of tetrabromides and tetraiodides of titanium, zirconium and hafnium. 357016
Zasorina, E.F.
Types of rhenium and molybdenum present in oil-shales. 349201
Zastavenko, L.G.
Strong coupling expansion for the ground state functional in the model of quantum theory of neutral scalar field with the g phi⁴ self-interaction in the case of the two-dimensional space-time. 348627
Zastavnyj, A.V.
Effect of 5,5 MeV alpha-particles irradiation on characteristics of p-Si ion-doped semiconductor detectors. 380002
Zastawniak, L.
A particle identification spectrometer for nuclear reaction measurements. (INP – 874/PL) 374352
Zastenker, G.N.
Some data about near-earth shock wave structure, obtained by measuring alpha-particles at "Prognoz" satellite. 349676
Zasyadchuk, I.M.
On the possibility of improving the informativity of radiometric data in complex interpretation. 367389
Zasypkin, V.V.
Catalytic activity of oxides of chromium, manganese vanadium, tungsten and molybdenum during hydrogenation of ethylene. 369642
Zatoloka, S.I.
Study on gamma and neutron radiation effects on Ge(Li) detector performances. (NIIAR-P – 267) 358458
Zatolokin, B.V.
Some problems of calibration technique in charged particle activation analysis. 372888
Use of 11 MeV protons in activation analysis. 378188
Zats, A.V.
Processes occurring in vacuum heating of silver films with helium implanted. (KFTI – 74-47) 354626
Zatsarnaya, A.P.
Blastomogenic action of various doses of bremsstrahlung from the LUEh-5 linear electron accelerator on the rat liver. 362659
Zatsepin, A.F.
Some regularities of glass formation in P_2O_5-BeO-Mesub(x)O and P_2O_5-BeO-MeFsub(y) system. 378446
Zatsepin, G.T.
Metagalactic nuclei with superhigh energies. 356188
Photonuclear cross-section and nuclear losses of muons. 362038
Possibility of nuclear-component depth-distribution measurement from muon interaction by radiochemical method. 363551
Zatsepin, N.N.
The KAP type device with transfer converter to control the mechanical properties of steel tubes using a higher harmonic method. 363375

Performance of ferroprobe transducers under irradiation. 373969
Zatsepin, O.I.
Investigation of the transient operation of an experimental plant with the N_2O_4 coolant and with a flash heater. 355275
Zatsepina, T.I.
Rheological properties of melts of polyheterosiloxanes containing boron, zinc and cobalt. 354330
Zatulovskij, L.M.
The shape of melt column during crystal growth from under the flux layer. 378254
Zaumen, W.T.
Spontaneous discharge of Kerr-Newmann black holes. 356351
Zav'yalov, A.P.
Computer analysis of microstructures for estimating the effect of β-radiation on the skin. 362693
Zav'yalov, B.I.
On a extended n-point tube. 348628
Zav'yalov, O.I.
Counterterms in the formalism of normal products. 348572
Zav'yalova, V.I.
Influence of cerium and niobium small additions on hot plasticity of the Kh25t steel. 370044
Zavada, N.I.
Protection from electromagnetic disturbances during operation of power generators of pulse radiations. 363627
Zavadskij, Yu.I.
Semiconductor material for a particle detector. (Soviet patent document 436306/A/) 355538
Zavarov, A.S.
Nitriding of steel in electrothermal vibrofluidized bed. (INIS-mf - 4046) 369888
Zavarzin, A.V.
On the metasomatic uranium deposits in the Bohemian massif. 375976
Zavattini, E.
QED predictions on vacuum polarization. (INIS-mf - 3946) 356472
Zaverl, F.
Determination of elastic coefficients for Zircaloy-2. 362387
Zavertannaya, L.S.
Quenching of noise photooscillations and photoconductivity of CdS. 374695
Zavetova, M.
Influence of ion-implanted oxygen on the electrical and optical properties of amorphous germanium. 370250
Zavgorodnij, V.S.
Registration of ionizing radiations by change of ponderomotive forces in the electric field. 350342
Zavialov, O.I.
Renormalized composite fields in quantum field theory. 348571
Zavilopulo, A.N.
Exitation and charge exchange of Mg^+ ions on alkali metal atoms. (INIS-mf - 3915) 348747
Experimental facility with intersecting beams for the study on pair collisions of atoms at the energy range of 0,5-10 eV. (INIS-mf - 3915) 350381
Zavodchikov, V.M.
Development of nuclear-physics methods of elemental analysis of semiconductor materials and articles from them. (INIS-mf - 3994) 378099
Zavodnik, V.E.
Crystal structure and physicochemical properties of $SrB_{12}H_{12}x7H_2O$. 349298
Zavrazhnov, G.N.
Connection of the M-6000 computer with an image scanner. (ITEF - 64(1974)) 361088
Standard logic elements in the 'Chereshnya' unified structure. (ITEF - 62) 376716
Zawadzki, W.
Interaction of high-energy phonons with conduction electrons in small-gap semiconductors. 356376
Zawislak, F.C.
Directional correlation studies of gamma transitions in ^{69}Ga and ^{71}Ga. (IEA - 475) 351260
Electric field gradient in the cubic Ag host generated by different near-neighbour configurations of Pd impurities. 366401
Electric field gradients created by near neighbour impurity atoms in a cubic silver host. 356010
G-factors of the 264 keV and 632 keV states in ^{77}As. (INIS-mf - 4111) 364805
Multipole admixture delta(E2/M1) of gamma transition in ^{69}Ga. 354257
Multipole admixture delta(E2/M1) of gamma transition in ^{71}Ga. 354256
Zawisza, J.
A program of hydrological studies of the Zarnowieckie lake and the prognosis of the changes resulting from the operation of atomic and pump-storage power stations. 357830
Zayachki, V.I.
Real part of the amplitude and a parameter of inclination of differential cross sections for pd elastic scattering at 30 and 50,7 GeV. (JINR-D - 1,2-9342) 356529
Zayachkovskij, M.P.
Energy spectrum and electrical properties of strong-anisotropic crystals with "covalent bridges". 366393
Zayed, S.M.A.D.
Carbaryl residues in maize products. 379171
Chemistry and toxicology of pesticide chemicals. 7. 373779
Phosvel residues in cotton-seed products. 379163
Zaytsev, A.A.
Observation of muon pairs in neutrino interactions at Serpukhov 70 GeV accelerator. 361870
Zazharova, B.P.
Case for a manipulator. (Soviet patent document 445568/A/) 355025
Zazubovich, S.G.
Use of polarization method for study of luminescence of powder crystal phospors. 354390
Zbasnik, J.P.
Cold-pressure-welded joints in large multifilamentary Nb - Ti superconductors. (UCRL - 79723) 368927
Development work on superconducting coils for a large mirror fusion test facility (MFTF). (UCRL - 78891) 358929, 377378
Evaluation of large, multifilament Nb_3Sn conductors with a new 12-Telsa tensile test apparatus. (UCRL - 79192) 357262
Zchakaja, D.
Strongly non-linear transverse envelope solitons. 353517
Zdanovich, N.N.
Experimental investigation of heat transfer in a once-through regenerator-evaporator with a chemically reacting coolant. 355126
Zdanovich, V.I.
Complexes of pyridinium cyclopentadienylide with chromium- and molybdenum carbonyls. 378448
Zdanovskij, A.B.
Solubility in $NaBO_2$-$Na_2B_4O_7$-Na_2CO_3-H_2O system at 25 deg C. 351573
Zdanowska, M.
Investigation of molecular motions dynamics by NQR and quadrupole relaxation methods - application of high pressure technique. 377238
Temperature dependence of the NQR spectra and spin-lattice relaxation of ^{35}Cl in CCl_3COONH_4. 364973
Zdarko, R.
Measurement of the electron - deuteron elastic scattering cross section in the range 0.8 less than or equal to q^2 less than or equal to 6 GeV^2. (SLAC-PUB - 1596) 361869
Zdorova, Eh.P.
Fire-assay determination of small amounts of gold in mineral raw materials. 378136
Zdorovtsev, V.S.
Pilot-industrial production of radiation-modified thermal-shrinkaged "Termoplen" film. (INIS-mf - 4194) 376283
Zeamer, C.J.
Recovery from spillage of calcined waste solids. 352866
Zebarev, A.I.
Case for a manipulator. (Soviet patent document 445568/A/) 355025
Zeberin, A.G.
Material for evaporators (crucible). (Soviet patent document 485175/A/) 349388
Zebreva, A.I.
Electrochemical investigation of rare earth amalgams. 357088
Investigation of anodic behaviour of rare earth amalgams. 378228
Zebroski, E.
Reliability assurance: the role of EPRI. 363705
Zebroski, E.L.
Detection of stress corrosion in stainless steel piping by acoustic emission. 365788
Developing methods for establishing improved plant reliability. 371252
EPRI programs in nuclear systems and materials which bear on component design. 370829
International thermal reactor development. (ANL - 77-XX-62) 363453
Zec, U.
The training set of personal dosimter-standards for exercising of radiation dosimetry in simulated energency conditions. 370644
Zech, G.
Measurement of the branching ratios for the decays J/psi(3.1) → fω and J/psi(3.1) → Bπ. 372506
Measurement of the J/psi radiative decay into $f^0(1270)\gamma$. 377779
Zee, A.
Possible new species of quarks and hadrons. 359325
Possible structure of weak interaction. 361865
Rare muon decays, heavy leptons, and CP violation. 351199
Zee, Z.
Discrete flavor symmetries and a formula for the Cabibbo angle. 356471
Zeeuw, D. de
Dynamic blood flow measurement with the $^{81}Rb/sup(81m)Kr$ ratio. (INIS-mf - 4010) 370441
Zeevaert, T.
In-situ testing of HEPA filters by the DOP test method. 360502
Zegarski, B.R.
Collisional angular momentum transfer in Rydberg states of helium. 355872
Zegarski, K.
Radiochemical process for the highly sensitive sipping test. 370940
Zeger, J.
Sedimentation technique of waste bituminization and thermogravimetric characteristics of the final products. 358508
Zeggel, W.
The influence of local water enthalpies on the burn-up behaviour of PWRs. (GKSS - 77/E/34) 368167
Zegley, R.D.
Analytical models and experimental studies of centrifugal pump performance in two-phase flow. Key phase report. (EPRI-NP - 170) 367801
Zegota, H.
Radiolysis of aqueous solutions of ribose-5-phosphate. The effect of

pH. 375673
Zeh, H.
An improved sampling system to be used in reprocessing. 369833
Zehlein, H.
Damping of the transverse impulsive motion of a Timoshenko beam resting on a thin fluid layer. 374270
Transient deformation of LMFBR cores due to local failure: experimental and theoretical investigation. 374237
Zehnder, A.
An experimental study of the E0, E2 and E4 charge moments of ^{161}Dy using muonic atoms. 369505
Further muonic-atom test of vacuum polarization. 350625
Nuclear charge parameters and quadrupole moment in ^{105}Pd from muonic X-rays. 372827
Search for the metastable 2s state in muonic hydrogen. 361331
Zehnder, H.J.
Dewatering properties of differently treated sewage sludge. (INIS-mf – 4220) 379418
The use of ^{60}Co-γ-irradiation for the production of vaccines. 376167
Zehner, H.
Formation of H-addition radicals in some pyrimidine and purine derivatives. 357182
Radical formation in single crystals of hypoxanthine.HC1.H_20, inosine, and the disodium salt of 5'-inosine-monophosphate. 378985
Zehnle, L.
Differential cross sections and coherence effects for excitation of K in collisions with N_2 and CO. 353282
Zehrfeld, H.P.
Local, ideal and resistive stability in tokamaks with non-circular cross-section. 348918
Zehrle, L.
Differential cross sections and coherence effects for excitation of K in collisions with N_2 and CO. 377050
Zeibig, H.
Criteria and methods for earth quake design. 376561
Zeidler, U.
Non-invasive methods for the diagnosis of cerebral disorders. (INIS-mf – 4010) 362839
Zeidler, W.D.
Development of a radionuclide method of mass flow measurement in non-steady state multiphase flows. (KFK – 2435) 357890
Zeidman, B.
Channeling of positive and negative pions in a silicon crystal. (CONF-770931 – 5) 375092
Fusion of ^{16}O + ^{40}Ca. (ANL – 77-60) 377995
Heavy ion reactions. 356671
Ultra-short pulses of heavy ions. 360713
Zeigler, R.K.
Quality assurance programme for surveillance of fast reactor mixed oxide fuel analytical chemistry. 376594
Zeippen, C.J.
Some OI oscillator strengths and the interstellar abundance of oxygen. 359190
Zeising, H.
Independent formation cross-section of sup(148m)Pm and sup(148g)Pm in the fission of ^{232}Th induced by 26- to 42-MeV ^{4}He-ions. 369461
Independent isomeric yield ratio of ^{148}Pm in fission of the moderately excited ^{236}U compound nucleus as a measure of fragment angular momentum. 351328
Zeisler, R.
Activation analysis opportunities using a $5x10^{12}$ to $5x10^{13}$ n/sec 14 MeV generator. 369579
Zeisser, P.
In-pile measurement of fission enhanced creep and swelling of uranium nitride. 360132
Zeithlin, B.A.
Production of multifilamentary Nb_3Sn composites incorporating a high tin bronze. (UCRL – 13717) 364239
Zeitler, G.
Neutron-activation analysis of vanadium in oils with californium-252. 375312
Zeitlin, B.
Fabrication of superconductors. 359886
Zeitlin, B.A.
Fast ramp superconductor for ohmic heating coils. (CONF-771029 – 180) 377563
Integrated composite conductor for the LCS program. (CONF-771029 – 105) 374017
Zeitz, W.D.
Critical exponent β for hyperfine fields in nickel. 374679
VICKSI beam line instrumentation and control system. 363213
Zejdlits, M.P.
Discontinuous yield of nickel-zirconium and nickel-scandium alloys produced in vacuum. (KFTI – 75-10) 354491
Radiation hardening of Ni, V, Fe and their alloys following high-energy electron irradiation. (KFTI – 75-35) 354631
Zejgarnik, V.A.
Equation of state and conductivity of cesium plasma under pressures of 50-500atm. 348669
Zel'dovich, M.A.
High-velocity solar wind plasma fluxes and active regions on the Sun. 377668
Zel'dovich, O.Ya.
Elastic backscattering of pions minus on protons at 25 and 38 GeV/c. 369349
Zel'dovich, S.A.
Forming of electroacoustic echo in powders due to frequency modulation mechanism. 375009
Zel'dovich, Ya.B.
Gas diffusion and its dependence on nuclear spin. 368722
Interactions of free electrons with an electromagnetic radiation. 348629
A new type of radioactive decay: baryon gravitational annihilation. 356473
Primary black holes and the deuterium problem. 369238
Zel'venskij, M.Ya.
Mathematical models and calculation algorithms of extraction processes, complicated by chemical reactions. 362344
Zel'venskij, Ya.D.
Separation coefficients of reactions of tritium isotopic exchange in water-hydrogen sulfide, water-hydrogen and ammonia-hydrogen systems. 378198
Zeldovich, S.A.
Observation of muon pairs in neutrino interactions at Serpukhov 70 GeV accelerator. 361870
Zelek, C.B.
Paints substances on the basis of acryl siloxane resin and unsaturated monomers hardened by ionizing radiation, and their application. (German (F.R.) patent document 2063135/B/) 354447
Zelenchuk, A.V.
Acoustic device for measuring displacements in a reactor channel. (Soviet patent document 438048/A/) 358032
Zelenev, Yu.V.
Installation for study on the angular correlation of annihilation radiation. 358402
Zelenin, V.I.
Sorption of uranium from UO_2F_2-NH_4F-H_2O solutions by granulated iron hydroxide. 359755
Zelenina, G.A.
Nitriding of steel in electrothermal vibrofluidized bed. (INIS-mf – 4046) 369888
Zelenkov, I.A.
Change in resonance absorption spectra of 14.4 keV γ-rays by ^{57}Fe nuclei during phase transitions in TiAl ordered alloy. 348864
Zelenov, V.N.
Influence of austenite grain size on mechanical properties of chromium-nickel structure steels. 349532
Zelenova, V.D.
Properties of cast steels of low hardening capacity. 349529
Zelenskaya, I.N.
Problem on eigenfunctions and eigenvalues for effective Hamiltonians in pair channels of four-particle systems. 377890
Zelenskaya, N.S.
Angular correlations between γ quanta and charged particles and mechanisms of direct reactions with delayed effects. 369456
Zelenskij, G.K.
Nuclear transformations in vanadium, molibdenium and niobium base alloys used as structural materials in thermonuclear reactor blankets. (INIS-mf – 3954) 361439
Zelenskij, K.F.
High-current generator of nanosecond pulses of electrons and bremsstrahlung. 370746
Pulsed x-ray tube. (Soviet patent document 320224/A/) 376671
Zelenskij, V.F.
Basic performance problems and prospects for 1200-1500MW gas-cooled fast reactors with dissociating coolant. 365981
On the argon ions irradiation effect on nickel oxidation in low-pressure oxygen. (KFTI – 75-35) 357436
Radiation-stimulated self-diffusion of nickel. (KFTI – 74-47) 353505
Studies of the effect of molybdenum-, silicon- and iron additions on the uranium-alpha radiation-induced growth at low-temperature irradiation. (KFTI – 74-47) 354632
Zelentsov, V.V.
Magnetism of $Cr(Phen)_2Cl_3x2,5H_2O$ and $Cr(Phen)_2Cl_2Ix3H_2O$ complexes. 369727
Zelentsova, L.V.
Atomic absorption determination of rare earth elements. 359577
Zelenyj, L.M.
Tearing instability in plasma configurations. 368944
Zelenyuk, F.M.
Neutron polarization on passing through a magnetized doubly bent neutron guide. 375086
Zelicoff, A.
Perturbation theory for projected states in the pairing force model. III. 377858
Zeliger, D.
Taking into account of pre-equilibrium processes in the Cn, 2n), (n, pn) and (n, np) type reactions. (INIS-mf – 3897) 356669
Zelikman, A.N.
Peculiarities of molybdenum extraction from nitrate sulphate solutions by polyalkylphosphonitrile acid. 373006
Reprocessing of rhenium reextracts by electrodialysis with ionite membrane. 357076
Study of thermal decomposition of $EuCl_3x6H_2O$ by high-temperature infrared spectroscopy. (INIS-mf – 4187) 375414
Zelikovsky, A.
sup(99m)Tc-RBC – A simple in vitro labelling procedure for vascular space imaging, varicose vein diagnosis and follow-up. (INIS-mf – 4010) 373633
Zelin'ski, S.
Investigation into complex compounds of some light rare earths with methylthymol blue. 351597
Polynuclear rare earth complexes with methylthymol blue. 359719
Zeller, A.
Formation of ^{24}Na in 'fission-like' reactions. 354209

Zeller, A.F.
Location of the major 2Psub(1/2) strength in ^{49}Sc by forward angle heavy-ion j dependence. (ANU-P – 686) 372775
Location of the major 2psub(1/2) strength in ^{49}Sc by forward-angle heavy-ion j dependence. 375184
Zeller, D.
Comparison of inelastic electron and positron scattering cross sections on ^{12}C and ^{27}Al. (DESY – 77/40) 364781
Shadowing effect in inelastic electron scattering on ^{12}C and ^{27}Al nuclei at small four momentum transfer. (DESY – 77/55) 364782
Validity of the one-photon exchange approximation in inelastic scattering of electrons and positrons on protons. 366889
Zeller, E.J.
Effect of space charge on F centers near the stopping region of monoenergetic protons. 367328
Zeller, H.R.
Superionic conductors. 374799
Zeller, M.E.
Measurement of the π^+p and π^-p polarization parameters at 100 GeV/c. 351209
Measurements of polarization in K^-p elastic scattering at low energies. 361883
Zemach, C.
Unstable normal mode for Rayleigh – Taylor instability in viscous fluids. 371644
Zeman, A.
Radioanalytical determination of phosphorus by heterogeneous isotopic exchange. (INIS-mf – 3849) 378189
Zeman, H.D.
Deflection of an ion beam in the two-dimensional electrostatic quadrupole field. 350698
Laser – ion coaxial beams spectrometer. 358760
Polarized electrons and the origin of optical activity. 371465
Zeman, Ja.
Neutron radiography in the beam of the IBR-30 reactor. (JINR-R – 3-9122) 366914
Zemanek, M.
Behaviour of ^{3}H-VUL 111 in rat organism. 373669
Labelling of Candida albicans and its behaviour in the organism. 373696
Zemanick, P.P.
Clinch-River Breeder-Reactor Plant system reliability. 357728
Zemann, H.
The instrumentation of the prestressed concrete vessel with hot liner at Seibersdorf Research Centre. (SGAE – 2526) 355159
Methods of measurement on a PCPV with hot liner at Seibersdorf Research Centre. (SGAE – 2532) 374026
Zemany, P.D.
A new technique for selecting the reaction $\pi^+p \rightarrow n\pi^+\pi^+\pi^+\pi^-$ from the background. 353975
Zemchikhin, E.S.
Practical aspects of neutron activation analysis application in search and exploration of minerals in the USSR. 349654
Zemek, J.
Influence of ion-implanted oxygen on the electrical and optical properties of amorphous germanium. 370250
Zemel, A.
Magnetic hyperfine rotation of a gamma ray angular distribution due to target tilting. (WIS-PH – 76/59) 363896
Zemlicka, J.
Method of phosphate glass production. (Czechoslovak patent document 156843/B/) 371079
Zemlyanitsyn, M.A.
Orientation dependence of acoustoelectric effect in the piezodielectric-semiconductor laminated structure. 350705
Zemlyanov, M.G.
Effect of tantalum and tungsten impurities on the phonon spectrum of vanadium. 368883
Formation of quasilocal vibrations in dilute Vsub(1-x) Ptsub(x) alloys on strong alteration of the phonon spectrum of V. 374777
Zemlyanova, L.I.
Electron microscopy study of the structure of polycrystalline layers prepared on cadmium sulfide base. 356989
Zemlyanskov, V.A.
Texture formation in metals with bcc lattice during drawing in dead rollers. 378633
Zemlyanukhin, V.I.
Basic problems in reprocessing spent fuel elements of nuclear power plants. 366159
Zemlyanukhina, V.M.
X-ray investigation of YbTe-TmTe solid solutions. 351744
Zemnukhova, L.A.
Crystal structure of cesium chlorotrifluoro-antimonite. 369717
Zemskij, S.V.
Monitoring of carbon redistribution in steel by means of ^{14}C. 349394, 349395
Zemskov, G.V.
Thermochemical treatment of boron carbide. 375803, 375934
Zemskov, V.S.
Plasma reflection and zone structure of bismuth-antimony, doped by tellurium and tin. 348765
Zemtsov, Yu.K.
Optimal characteristics of the high-pressure metal vapor laser. 348780
Zemtsova, Z.N.
Kinetics of thermal decomposition of (Sr, Ca) CO_3 solid solutions. 378447
Zenatti, D.
Low and high frequency applications of an easily made thin film superconducting quantum interference device (Squid). 360615
Zenchenko, D.A.
Potentiometric study of indium (3) ions hydrolysis in aqueous-dioxane solutions. 378442
Zenchenko, R.P.
Multiphonon optical transitions in intrinsic semiconductors. 364119
Zendel, M.
A gas-jet recoil-transport system for fission products and its application to a continuous chemical separation procedure in the gas phase. 367152
Zener, C.
Comparison of the economics of nuclear and solar power. 361152
Zenker, P.
Heat decoupling from nuclear power plants illustrated by the model of the planning study Oberhausen/Western Ruhr area. 376819
Significance of the helium turbine power plant at Oberhausen (EVO) and of the high-temperature helium test facility at Juelich (HHV) for the development of the HTR direct-cycle system (HHT). 379696
Zenkevich, P.R.
Axial dipole instability of electron-ion rings in a circular waveguide. (ITEF – 99) 365761
Magnetic field nonlinearity effect on the particle dynamics in the modified ITEP proton synchrotron. (ITEF – 53) 358008
Reconstruction of a magentic field configuration in a pole gap of an accelerator according to measurement results. 370744
Study on a possibility of accelerating polarized protons in the ITEP proton synchrotron. (ITEF – 101) 376386
Zenkevitch, V.B.
Hysteresis losses in superconductors of round cross-section with collective interaction. 375914
Zenki, Michio
Extraction-photometric determination of cobalt in high-temperature alloys with 2-nitroso-5-dimethylaminophenol. 354294
Zenkin, V.A.
Control unit for a three-dimensional quadrupole mass spectrometer with mass spectra unfolding by frequency variation. 358447
Zenkov, V.S.
Reduction of oxide mixtures for permalloy-type alloys. 349252
Zenner, H.
Low cycle fatigue. 354578
Zepeda, A.
Class of chiral theorems. 372497
Weak neutral currents in electron-positron annihilation into three pions with polarized beams. 353865
Zerbst, H.
Some construction features of a cryostat for superconducting electron microscope lenses. 360634
Zerby, C.D.
National waste terminal storage program. (Y/OWI/TM – 7) 358540
Zergel', G.
A study of nuclear power stations equipped with gas-cooled reactors. 379726
Zerna, W.
Load studies on cylindrical reinforced-concrete shells. 355379
Possible cooling tower designs and their economy. 365821
Zerouki, Ayme
Heat exchanger with immersed tubes. 355267
Process heat reactor. 355343
Zertsalov, A.A.
Bow shock and α component in the transition region, from measurements on the high-latitude satellite Prognoz. 349035
Characteristics of the proton and alpha solar wind components after the passing of interplanetary shock waves by observations on the "Prognoz" satellite in May, 15 and 30, 1972. 377669
Device for measuring charged particles fluxes. (Soviet patent document 351465/A/) 377591
Measurements of the proton and α component of plasma by the Prognoz satellite during high solar activity. 349032
Some data about near-earth shock wave structure, obtained by measuring alpha-particles at "Prognoz" satellite. 349676
Zerwas, P.
Proceedings of the international neutrino conference Aachen 1976. 353665, 353697, 353768, 353776, 353808, 353839, 353901, 353925, 353927, 353929, 353931, 353932, 353942, 353946, 353948, 353951, 353953, 353957, 353958, 353961, 353962, 353963, 353976, 353979, 353980, 353981, 353985, 353986, 353990, 353991, 353994, 353995, 353998, 354241, 364584, 364586, 364597, 375048, 375064, 375067, 375069
Proceedings ot the international neutrino conference Aachen 1976. 353950
Zerwekh, A.
Radiolysis. (SAND – 77-1178) 374399
Zettler, C.
e-p facility in the CERN SPS. 363160
Zetzl, W.
The technology of liquid-liquid extraction with special regard to nuclear fuel reprocessing. (KFK – 2469) 365116
Zeuner, A.
Investigation of material transport in processing plant of the potash industry by radioactive nuclides. 355117
Zevin, V.
ESR of impurity as a probe for the host exchange interaction in Tm Van-Vleck compounds. 378760
Relaxation phenomena and host exchange parameters in Tm van Vleck compounds. 350791
Zewail, A.H.
Laser excitation of stationary states in molecules: the coupling of real eigenstates to phonons and photons. 361408

Zezina, N.V.
Dependence of radioprotector action of cysteine and β-mercaptoethylamine on accumulation of sulphydryl groups in meristematic tissues of pea sprouts. 354902
Mitosis delay in cells of the root meristem of pea seedlings in S and G_2-phases when irradiated with gamma-rays. 376088
Zezulova, M.
Materials for selected components of fast reactor power systems. 349498
Zezyukin, A.J.
Virus infection of continuously irradiated potato plants. 362656
Zganjar, E.F.
Contrasting behavior of hsub(9/2) and isub(13/2) bands in ^{185}Au. 378014
Zgardovskij, V.I.
Search berylometer "Beryll-4". 365268
Zglinski, A.
Pre-equilibrium particle emission after the nuclear muon capture. 354079
Zhabitsky, V.M.
Investigation of the capture system without change in injected electron energy. (JINR-R – 9-9139) 355185
Zhabotinskij, V.A.
Optical seal based on ceramics of lead zirconate-titanates doped with lanthanum. 370107
Thermodynamic analysis of solid-phase reactions in the PbO-La_2O_3-ZrO_2-TiO_2 system. 370093
Zhabratova, G.S.
Search for new short-lived particles in 70 GeV/c proton collisions with nuclei of photoemulsion. 369352
Zhabrev, G.I.
Nickel alloys and stainless steels peeling during ion irradiation. (INIS-mf – 3954) 362557
Zhad'ko, I.P.
On the relationship between field and diffusion components of the photomagnetic effect in p-type InSb. 348759
On transverse electromotive force arising during illumination of an InSb-NiSb plate. 348865
Zhadanov, B.V.
Magnetic and spectroscopic properties of vanadyl oxalates and their complexes with hydrazine. 351547
Zhakaeva, A.Zh.
Complexes of pyridinium cyclopentadienylide with chromium- and molybdenum carbonyls. 378448
Zhakmar, M.
High-spin energy states of ^{233}U. 377973
Zhalilov, R.Kh.
Some peculiarities of limited growth texture formation in vapor deposited layers of molybdenum. 349465
Zhamsaranova, S.D.
Effect of radioprotective biogenic amines on peroxide oxidation of lipids in rat small intestine mucosa microsomes. 365399
Zhamskaya, N.N.
Pressure of SnI_2 saturated vapor. 375616
Zhankov, I.K.
Fast high-voltage pulse generator with effective radiation of a discharger. 358453
Fast voltage pulse generator using the spark gap electrodes combined with capacitor plates. 363628
Fast-response pulsed voltage generator with large capacitance. 376749
Zhanzhora, A.P.
Calibrating film dosemeters in intense electron radiation fields. 360528
Zharko, A.V.
Measurement of cross section of atom inner shell ionization by 150-500 kev protons. (INIS-mf – 3915) 348726
Zharkov, A.P.
Ion exchange method for preparation of tungstophosphoric acid. 369654
Zharkov, N.A.
Composition and properties of cosmic radiation on mountain altitudes. 361668
Zharkov, V.A.
Corrections for energy dependence of neutron dosemeters. 355602
Zharkova, Eh.A.
Study on vanadium dioxide properties in millimeter wavelength region at metal-semiconductor phase transition. 350711
Zharov, A.A.
On resonance absorption of electromagnetic waves in an inhomogeneous plasma. 369012
Zharov, S.N.
On the mechanism of formation of thin cadmium sulfide films at solution-substrate interface. 349314
Zharov, V.A.
Features of the vacuum deposited layer adhesion to glass and sitall treated with glow discharge. 349522
Peculiarities of adhesion of vacuum-deposited layers to glass and sital following their surface treatment in glow discharge. 349283
Zharov, V.P.
Laser opticoacoustic method for measurement of relative content of isotopes in molecules. 349164
Zhdan, A.G.
Field characteristics of electric conductivity of semiconductor films containing intergranular barriers. 374714
Zhdanov, A.K.
Analysis of binary mixtures of vanadium with other elements by complexonometric method of amperometric titration. 375391
Zhdanov, G.B.
Energy spectra of gamma quanta on altitudes of 4370 and 4880 ("Pamir" experiment). 361690
Groups of gamma quanta with the energy from 30 to 500 TeV ("Pamir" experiment). 364309
Zhdanov, S.K.
Magnetic hydrodynamics of a collisionless plasma. 369013
Particle acceleration on breaking of the constrictions of a Z-pinch and in the plasma focus. 368997
Zhdanov, S.P.
CaE-T zeolite – a new effective adsorber for vacuum technique. (KFTI – 75-10) 355132
Zhdanov, V.I.
On scaling solutions in the hydrodynamical theory of multiparticle production. 361806
Zhdanov, V.M.
Study of temperature dependence of thermodynamic properties of aluminium, gallium and indium tellurites. 365013
Zhdanov, V.P.
Double ionization of magnesium atoms by helium ions. 366385
On the static approximation in calculations of electron bremsstrahlung on atoms and ions. 374647
Penning ionization by nonmetastable atoms. 368723
Zhdanov, V.S.
Relative probabilities of the Auger KLM and KLN transitions in intermediate and heavy atoms $(35/(<=)/Z/(<=)$. 376965
Zhdanovich, N.S.
Two-channel cryostat for investigation of optical absorption on the UR-20 spectrophotometer. 370722
Zhebrovskij, A.K.
Amorphous ice crystallization kinetics in vacuum. (KFTI – 75-10) 356377
Zhebrovskij, Yu.V.
Measurement of asymmetry of the $\gamma d \rightarrow \pi$ deg d reaction cross section in the linearly polarized photon beam. 349092
Zhegarac, S.
The influence of the real experimental conditions on the accuracy of the Faraday method for the magnetic susceptibility measurements. 376929
Zhelamkov, A.V.
High-voltage system for the RISK facility. (JINR-R – 13-9740) 376662
Zhelev, Z.
Development and application of safeguards instrumental techniques to LWR power stations. (IAEA-R – 1547-F) 376849
Zheleznikova, M.V.
Studying 500 keV proton effect on system of polymethyl-phenyl-siloxane and silazane. 362290
Zheleznyak, G.I.
Comparative investigation of analytic characteristics of thin-layer flowing- and pulse systems. 356946
Zheleznyakova, N.Yu.
Lethal action of ionizing radiation on the chlorella vulgaris cells containing varying dmounts of intracellular cysteine. 349725
Zhelnin, B.I.
Ion exchange method for preparation of tungstophosphoric acid. 369654
Zheltobryukh, L.P.
Extraction of molybdenum diethyldithiocarbamate by chloroform from perchloric, hydrochloric and sulfuric acid. (INIS-mf – 4191) 375617
Zheltov, K.A.
Nanosecond electron accelerator. 370776
Zheltov, V.V.
Hysteresis losses in superconductors of round cross-section with collective interaction. 375914
Zheltukhin, A.A.
Duality and quarks. (JINR-D – 1,2-9342) 356465
On Goldstone particles and the Adler principle in dual models. (JINR-D – 1,2-9342) 356466
Spontaneous vacuum transitions in the Nephew-Schwarz dual model. (JINR-D – 2-9788) 376952
Spontaneous vacuum transitions in the Nevier-Schwartz dual model. (JINR-D – 1,2-9342) 356467
Zheltvaj, I.I.
Comparative stability and optical characteristics of various-ligand coordination compounds of rare earths with some aminopolycarboxylic aids and β-diketones. 349315
Quantum luminescence yield of europium and terbium ions in heteroligand complexes. 351546
Zhelyazkov, I.
Filamentation of lower-hybrid turbulence by adiabatic perturbations in a magnetized plasma. 366639
Zhemanov, V.A.
Observation of muon pairs in neutrino interactions at Serpukhov 70 GeV accelerator. 361870
Zhemerev, A.V.
On visualization of a neutron beam in the air. 375088
Pulsed current of electrons induced by gamma rays in air. 356559
Zherbin, E.A.
Disturbance of the mutual effect in the system thyreocyte-thyrotropic hypophyseal hormone by radiation. 349757
Zherebchenko, P.G.
Perculiarities of the toxicity and radioprotective activity of aminopropyl aminoethyl thiophosphate. 379045
Toxicity and radioprotective action of a complex of sulphur-containing substances. 370378
Zherebin, E.A.
Device for failed fuel elements detection of water cooled reactor after shutdown. (Soviet patent document 274994/A/) 376457
Zherebtsov, V.A.
Gamma rays in neutron inelastic scattering on Al and Fe nuclei

at neutron energy range 0.8 – 10 MeV. (INIS-mf – 3897) 359520
On thermionic converter with pulse ionization. (FEI – 604) 349044
On volt-ampere characteristics of thermionic converters in the diffusion regime with Coulomb collisions. 349040
Zheregi, F.G.
Reactions induced by high-energy particles and nuclei. (KFTI – 74-27) 354041
Zhermunskaya, L.B.
Torsions and suspenders of MR47-VP alloy. 365188
Zhernov, A.P.
Effect of tantalum and tungsten impurities on the phonon spectrum of vanadium. 368883
Zhevago, N.K.
Electron energy losses in a medium with periodic inhomogeneities. 368907
State damping in the crossing term problem. (INIS-mf – 3915) 348643
Zhidkov, E.P.
Calculation of the electric field spatial distribution for rectangular electrodes. (JINR – 9-9184) 358009
Solution of analysis and synthesis problems for the electromagnetic system of an electron-beam source of multicharged ions. (JINR – 11-9525) 350061
Study on the third-order nonlinear resonance (vsub(x)=2/3) by the Krylov-Bogolyubov method in the second approximation. (JINR-R – 11-9108) 379477
Zhigunov, V.K.
Definition of CRT automata distortions. (IFVE-OMVT – 75-91) 350348
Zhigunov, V.P.
Observation of muon pairs in neutrino interactions at Serpukhov 70 GeV accelerator. 361870
Zhikharev, M.I.
Precipitation of molybdenum during concentration by evaporation of nitric-acid solutions. 349378
Zhikharev, Yu.V.
Niobium foil – the material for electrolytic capacitors. (INIS-mf – 3839) 367284
Zhikhareva, E.A.
Luminescence spectra of lanthanide ions in crystallophosphors during excitation by X-radiation and their use for yttrium preparations analysis. (INIS-mf – 3955) 378253
Ratio of intensities of spectral bands of Sm^{3+} and Eu^{3+} luminescence spectra in some crystal phosphors. 368628
Zhikhareva, Eh.F.
Phase relationships in the YOsub(1,5)-PrOsub(x) system and physico-chemical properties of solid solutions. 360033
Zhil'tsov, V.A.
Suppression of the low density plasma cyclotron instabilities by excited plasma oscillations. (INIS-mf – 3963) 372105
Zhil'tsova, I.G.
On crystallochemistry of uranil silicates. 362586
Synthesis and crystallochemical analysis of phosphoric analogue of troegerite. 349656
Zhil'tsova, L.Ya.
On polymerization of plastic scintillator blocks of large dimensions. 379887
Zhil'tsova, M.A.
Device for gas sampling from a reactor. (Soviet patent document 443276/A/) 357925
Zhila, Eh.D.
Radiosensitivity of garlic air bulbs. 357572
Zhilina, T.A.
Investigation into rare earth chlorides in hexamethylphosphorotriamide. 375516
Zhilina, T.I.
Determination of Mo(3) in the presence of Mo(5) in alkali metal chloride melts. 349189
Zhiltsova, L.Ya.
Starting system for a 2-meter streamer spark chamber in a 17 GeV/sec α-particle beam. (JINR – 13-9030) 358334
Zhilyaev, V.A.
Mechanism of thermal dehydration of Ti and Zr hydroxides. 359679
Zhirnov, N.I.
Generalized WKB method in a three-dimensional case. 4. 374596
Generalized WKB method in a three-dimensional case. 5. 376953
Zhirnov, Yu.P.
Precipitation of molybdenum during concentration by evaporation of nitric-acid solutions. 349378
Zhirov, A.I.
Kinetics of thermal decomposition of anhydrous uranyl oxalate. 354414
Zhirova, L.A.
Detector of recoil nuclei stopping in spark chamber gas. 350280
Zhitar', V.F.
Optical absorption of $ZnIn_2S_4$ monocrystals. 348839
Zhitarev, V.E.
The effect of water and benzene vapor pressure on the total cross sections of cold neutron interaction. 377843
Total cross section of cold neutrons interraction with water. 351252
Zhitenev, V.I.
Hydrogen permeability of ironvanadium alloys. 375915
Zhitinskaya, M.K.
Anisotropy of thermoelectromotive force in bismuth telluride monocrystals. 374800
Zhitkov, N.K.
Quality of metal produced by arc-vacuum melting under conditions of high electric currents. 365118
Zhitnikov, R.A.
Anisotropy of paramagnetic cadmium centers in alkali-halide crystals. 377159
Effect of penning collisions between optically oriented Rb and He atoms on the electron density in a plasma. 368623
Joint EPR and optical investigations of Cd^+ and Zn^+ ions in CaF_2 crystals. (INIS-mf – 3955) 362159
Observation of radio-frequency coherency on excitation of hyperfine structure transitions in optically oriented atoms. 377141
Zhitnitskij, I.R.
Relations between characteristics of ππ interactions at low and high energies. 349084
Zhivipistsev, E.S.
The MASSIV system for recording data from digital measuring instruments on a punched tape. 358454
Zhivopistsev, F.A.
Application of the quantum Green function method for description of nuclear reactions with compound particles. 349129
Zhivotovskij, B.D.
Process of transcription in the thymus cells of X-irradiated rats. 378986
Transcription in the thymus cells of X-irradiated rats. 376097
Zhiyangulova, F.G.
Polarographic study of some metal complexes with 8-mercaptoquinoline in dimethylformamide. 365003
Polarography of metal complexes with 8-mercaptochinoline in N,N-dimethil formamide. 357072
Solvent effect on polarographic behaviour of metal lates with 8-mercaptochinoline. 357071
Zhizhenko, G.A.
Catalytic activity of γ-irradiated alumopalladium catalysts. 373060
Zhizhin, E.D.
Energy spectra of secondary leptons in the $e^+ + e^- \rightarrow L^+ + L^-$ process. 369263
Neutrino (antineutrino)-electron scattering with bremsstrahlung in the renormalization theory of weak and electromagnetic interactions. 356474
Zhizhina, E.G.
Kinetics of ethylene oxidation into acetaldehyde with phosphomolybdenovanadic heteropoly acids in the presence of Pd(2) aqua-complex. 378340
Zhiznevskij, V.M.
On the role components of Fe-Te-Mo-O catalyst for isobutylene oxidation. 378449
Zhizon, A.
Excitation of high-spin levels in ^{129}Ba. 378081
High-spin energy states of ^{233}U. 377973
Zhizon, Zh.
Excitation of high-spin levels in ^{129}Ba. 378081
Zhmudskij, A.Z.
Study of x-ray fluorescent Lsub(α)-spectrum of yttrium. 368634
Zhmyreva, I.A.
Spectral luminescent investigation of fluorophosphate glasses activated by rare earths. 378313
Zhmyrov, V.N.
High-pulsed parts of spectra of secondary particles from collisions of 6,3 GeV/C deuterons with protons, deuterons and carbon nuclei. (JINR-D – 1,2-9342) 356486
Zhokhov, G.A.
Application of X-ray radiometric method in prospect-exploration works at gold ore deposits of Uzbekistan. 357507
Radioactive elements in hast rocks and hydrothermally altered rocks o kokpatass ore field. 349664
Zhokin, A.M.
Design and physical principles of the finger-ring T-12 Tokamak with two axisymmetrical diverters. (ORNL-tr – 4530) 377355
Zhorio, L.Ya.
Late morphological and functional changes in thyroid gland following radioiodine damage and associated with external radiation. 367608
Zhornovyj, I.V.
Conductivity and impurity center parameters in compensated CdTe monocrystals. 369895
Zhorov, V.A.
Strontium-90 concentration in the bottom brine and sediments of the Sivash Lake as dependent on the hydrochemical emironment. 349667
Uranium in the Black Sea. 351955
Zhorovkov, M.F.
Pseudopotential method and thermodynamics of alloys. 373248
Variation of interatomic interaction and lattice parameters in alloys during ordering. 369947
Zhovnovatyuk, G.I.
Neutron irradiation effect on the primary recrystallization of deformed aluminium monocrystals. (KFTI – 75-35) 354616
Zhovtanetskij, M.I.
Structure of the eutectic In-Sn-Sb alloy in a liquid state. 378309
Zhuchin, V.N.
Fabrication of cold-rolled bands of the alloy-ehi 702 in rolls. 373158
Quality of metal produced by arc-vacuum melting under conditions of high electric currents. 365118
Zhuchko, V.E.
Method of restoration of photonuclear reaction cross sections in near-threshold region. 375212
Zhuchkov, M.I.
Experimental superconducting homopolar motors. 360651

Zhudov, V.I.
Collimation of neutron beam in experiments on measuring of partial cross sections with isotope microamounts. (IAE – 2470) 350320
Zhujkov, B.L.
The volatility of mendelevium and its binary compounds. (JINR-R – 6-10334) 378500
Zhujkova, T.N.
Investigation of temperature dependence of diamagnetic susceptibility. Effect of different additions on electronic structure of carbonic fibers. 378376
Zhuk, A.P.
Resisting anodes for systems of cathode protection of metals in sea water. 367179
Zhuk, B.V.
Effect of additions on oxidation of zirconium borohydride. 373007
Zhuk, I.V.
Effect of annealing temperature and time on the efficiency of fission fragments detection by artificial mica. 361045
Zhuk, L.G.
Resisting anodes for systems of cathode protection of metals in sea water. 367179
Zhuk, N.P.
Hydrogen permeability into niobium during cathodic polarization in hydrochloric acid. 365132
Zhukauskas, A.A.
Effect of turbulence on heat transfer while transverse stream-lining of a cylinder at critical Re's. (INIS-mf – 3957) 363109
Heat transfer efficiency while transverse stream-lining of a cluster at critical Re's. (INIS-mf – 3957) 365702
Transverse stream-lining of an tube cluster at low Re's in heat transfer process. (INIS-mf – 3957) 363110
Zhukov, A.P.
Heating a dense theta-pinch plasma with strong fast-rising magnetic fields. 348894
Zhukov, A.V.
About some effects on the coolant temperature field in fuel assemblies with wire spacers. (FEI – 624) 350271
Azimuthal non-uniformities of temperature of fuel elements arranged in regular lattices for turbulent liquid metal flow. 376319
Zhukov, B.G.
Gamma-plant for microbiological and biochemical studies. (Soviet patent document 193027/A/) 370684
Gamma-plant. (Soviet patent document 357597/A/) 370678
Zhukov, G.P.
Crate controller in the CAMAC standard for connection with the M-400 computer. (JINR – 10-10394) 376683
Input device for the DIN-1M spectrometer. (JINR – 10-9154) 352828
Software structure for the IBR-2 measuring module. (JINR – 10-9060) 366212
Zhukov, S.T.
Synthesis and some physicochemical properties of compounds with $B_{12}X_{12}^{2-}$ anions. 378327
Zhukov, V.A.
Investigation of the detecting properties of a counter filled with solid argon. 350301
Zhukov, V.P.
The effect of the cooling rate during quenching, electron bombardment and plastic deformation on the kinetics of a solid solution disintegration in iron-copper alloys. (KFTI – 74-47) 355980
Zhukova, A.M.
Particularities of distribution and migration of uranium in relation to metamorphic processes (on example of the Ukrainian Shield). 349613
Zhukova, G.M.
Ion exchange method for preparation of tungstophosphoric acid. 369654
Zhukova, L.I.
Kinetics of reduction of molybdate with ascorbic acid in the presence of germanate-ion. 378383
Zhukova, T.B.
Kinetic effects in rhombohedral and cubic phases in GeTe-A^3Te solid solutions. 368750
Zhukova, T.N.
Optical absorption spectra of solvated electrons in irradiated melts of alkali halide compound mixtures. 349365
Zhukovets, Zh.G.
Effect of substitution of boron oxide by aluminium-and gallium oxides on properties of glasses of the $K_2(F,O)$-B_2O_3-SiO_2 system. 378450
Zhukovskij, P.V.
Amorphization of semiconductor materials as a process of attainment of point defect maximum concentration. 374801
Zhukovskij, V.Ch.
Synchrotron radiation in a medium with account of polyarization and spin effects. 374588
Synchrotron radiation of electrons in cyclic accelerators with account of anazimuthal nonuniformity of a magnetic field. 350096
Zhukovskij, V.G.
Vertical plasma stability in the T-12 finger-ring tokamak with two poloidal divertors. (INIS-mf – 3963) 371761
Zhukovskij, V.M.
Spectral-luminescent properties of double molybdates with palmierite structure. (INIS-mf – 3955) 366470
Zhulinskij, S.F.
Study on a SHF system of a microtron with an isolator ferrite. 376389
Zhumaev, N.
Determination of boron in natural waters using neutron-activation method. 364928
Determination of gold in the production wastes from the reaction (γ,γ') in nuclear reactor. 356978
Zhunda, A.N.
Material for evaporators (crucible). (Soviet patent document 485175/A/) 349388
Zhuravlev, A.K.
Thermodynamic analysis of solid-phase reactions in the PbO-La_2O_3-ZrO_2-TiO_2 system. 370093
Zhuravlev, B.K.
Effect of deformation velocity on plasticity of chromium stainless steels at high temperatures. 349559
Zhuravlev, B.V.
Analysis of spectra of inelastic scattered neutrons with initial energy of 9,1 MeV in framework of the exciton model. (INIS-mf – 3897) 356573
Angular and energy distributions of inelastic scattered neutrons with initial energy of 9.1 MeV. (INIS-mf – 3897) 356712
Inelastic scattering of neutrons with initial energy of 9.1 MeV and the parameter of spin dependence. (INIS-mf – 3897) 356574
Neutron detector with gamma-ray compensation for measurements with the time-of-flight method. (FEI – 577) 376607
Zhuravlev, E.F.
Interaction in triple systems of neodymium nitrate, water and nitrates of trimethylammonium and tetramethylammonium. 351472
Reaction of neodymium nitrate with nitrates of hydrazine and quinoline in aqueous solutions. 375421
Zhuravlev, K.D.
^{235}U and ^{239}Pu cross sections for fission by 2, 24, 55 and 144 keV neutrons. 378082
Zhuravlev, L.G.
Martensite transformation in iron-nickel alloys during deformation. 370024
On temperature dependence of the yield strength of austenitic alloys under going martensite transformation during deformation. 370050
Zhuravlev, N.I.
CAMAC device for data readout from the ferrite core matrices of wire spark chambers. 376750
CAMAC system for data readout from various groups of modules. (JINR-R – 10-9056) 350382
Converter of a binary code into a binary-decimal one. 371183
Organization of the CAMAC system for data readout from different groups of blocks. 361094
Zhuravlev, O.K.
Angular distributions of γ-rays emitted in inelastic scattering of fast reactor neutrons on sup(114,116)Cd. 359473
Level population of ^{92}Mo in inelastic scattering of fast reactor neutrons. (INIS-mf – 3896) 356740
Zhuravlev, V.D.
Phase composition and phase diagrams of $Mg_3(VO_4)_2$-$Sr_3(VO_4)_2$, $Mg_3(VO_4)_2$-$Ba_3(VO_4)_2$ systems. 359602
Zhuravlev, V.S.
Application of radioisotope static electricity neutralizers in synthetic rubber production. 349964
Zhuravleva, E.Yu.
Study on characteristic x-radiation of atoms excited by multicharged ions. (INIS-mf – 3915) 348674
Zhuravleva, G.A.
The NEXT module system for the M-220 computer. (FEI – 562) 350449
Zhuravleva, L.I.
Asymptotic behaviour of associative values in π^-p interactions. (JINR-R – 1-10643) 375074
Zhuravleva, M.S.
On cross-sections of interaction of relativistic alpha-particles with nuclei. (JINR-R – 1-10592) 375151
Starting system for a 2-meter streamer spark chamber in a 17 GeV/sec α-particle beam. (JINR – 13-9030) 358334
Zhuravleva, T.S.
On the contribution of Vavilov-Cherenkov photons into radioluminescence excited by fast electrons. 362291
Zhuravskaya, E.V.
Two-stage method for radiation vulcanization of moulded mechanical rubber articles using electron accelerator. (INIS-mf – 4194) 376291
Zhurbitskaya, V.A.
Mechanism of the radiosensitizing effect of low dose ionizing radiation in the HeLa cell culture. 360224
Zhurkin, E.S.
Effect of an excitation on the cross-section of the $H_3^+ + Ar \rightarrow ArH^+ + (H_2)$ secondary ion-molecule reaction. (INIS-mf – 3915) 348741
Mass-spectrometric facility with a high-aperture-ratio ion source for studies on active particles. 358455
Zhurkina, G.V.
Effect of ultrasonic treatment on high tensile nickel base alloys properties. (INIS-mf – 3914) 349401
Zhuvagin, I.G.
Production of radioactive sodium under working conditions for investigation into petroleum boreholes. 365273
Zhuvikin, G.V.
Effective cross sections of impact broadening of 285,2 nm line of MgI and the potential of interaction of magnesium atoms with rare gases. (INIS-mf – 3915) 348724

Zhuzhakalo, E.V.
Study of the acceleration of thin metal foils acted on by high-power laser emission. (IAEA - 200) 353518
Zhvaniya, M.F.
Q_4-band of optical absorption of KCl crystal. (INIS-mf - 3245) 355976
Zhyugzhda, I.I.
Effect of turbulence on heat transfer while transverse stream-lining of a cylinder at critical Re's. (INIS-mf - 3957) 363109
Zia, R.K.P.
Duality of interfacial energies and correlation functions. 371453
Ziada, G.A.
Optimization of total triiodothyronine radioimmunoassay in unextracted serum by dextran charcoal. 349855
Zich, W.
Compounds made of aluminium and irradiation grafted polypropylene. (SGAE - 2723) 354423
Zichichi, A.
Search for fractionally charged particles produced in proton-proton collisions at the highest ISR energy. 361873
Zichy, J.
The comparison of π^+ and π^- elastic scattering from ^{16}O, ^{40}Ca and ^{208}Pb. (ISN - 77-36) 359449
The elastic and inelastic π^+ and π^- scattering from complex nuclei. (ISN - 77-31) 369459
Systematic study of the energy dependence of the elastic π^+-^{16}O scattering in the region of the (3,3) resonance. (ISN - 77-37) 362032
Zidell, V.S.
Time-dependent scattering of wave packets in one dimension. 358658
Ziebold, S.A.
Fiber-bed separator and method to separate aerosols from gases without entrainment. (German (F.R.) patent document 2657939/A/) 367937
Ziegenbein, D.
Application of the PRS 4000 type process computing system to the Rheinsberg nuclear power plant. 374181
On-line reactivity measurements in power reactors. 350109
Ziegler, A.
Fast breeder reactor. (German (F.R.) patent document 1948901/C/) 368243
Ziegler, D.L.
Fluidized bed incineration of transuranic contaminated waste. (RFP - 2693) 371201
Status report: waste incineration and fixation for Waste Management, Production, and Reprocessing Division of the Department of Energy (July - December 1976). (RFP - 2655) 380028
Ziegler, E.
Are LMFBR permits unconstitutional. 371270
Ziegler, G.
Development of high field superconductors. Final report, September 1974. (N - 77-14893) 362356
The influence of powder composition and sintering temperature on transformation kinetics, structure and mechanical properties of hot-pressed silicon nitride. (AED-Conf - 77-314-001) 365200
Ziegler, J.F.
Electronic and nuclear stopping of energetic ions. 359364
Hydrogen. Stopping powers and ranges in all elements. 372566
Low-velocity stopping of heavy ions. 366916
Ziegler, M.
Methodical studies of simultaneous radioimmunological determination of insulin and glucagon in plasma. 354940
Ultramicro radioimmunoassay of insulin using commercial RIA kits. 354933
Ziegler, M.G.
Baryon - antibaryon pair decay of eta/sub c/ in coherent production. (COO - 1545-216) 361766
Baryon-antibaryon pair decay of etasub(c) in coherent production. 377704
Zielenbach, W.J.
Strain-rate effects for some common structural materials used in radioactive material packaging and transportation systems. 350031
Zielinski, F.W.
Myocardial imaging with ^{123}I-hexadecenoic acid. 362787
Zielinski, J.
Treatment of uterine corpus cancer 1/1 state of development. Pt. 3. Radiotherapy. 373580
Zielinski, P.
Asymmetry in the angular distributions of spectator-nucleons. (JINR-E - 1-9814) 377778
On the two-nucleon enhancement associated with high momentum tail of the spectator in the deuteron break up. (JINR-D - 1,2-9342) 356479
Remarks on some analogy of the nuclear and nucleon fragmentation processes. 353920
Zielinski, R.E.
Aerosol characterization from a simulated HDCA. Annual report. NRC program A1171-2. (MLM-MU - 77-70-0004) 379259
Failure analysis of radioisotopic heat source capsules tested under multi-axial conditions. 370695
Zielinski, W.
Production of π^0 mesons in K^+p interactions at 8.2 GeV/c. 353936
Zielke, W.
Generalization of Langevin equation, autocorrelations and plasma resistivity. (IPPT-IFTR - 83/1976) 371765
Use of Riemann function for extraction of integral equations for inverse problem of plasma diagnostics. (IPPT-IFTR - 19/1975) 371764
Zielonka, I.
Primary carcinoma of fallopian tubes in the material of the Institute of Oncology in Gliwice. 367521
Ziemba-Zak, B.
Chromosome aberrations in monkey lymphocytes irradiated in vitro and in vivo. 378987
Zieminski, A.
High multiplicity π^-d interactions at 21 GeV/c. 356503
Inclusive π^0 production in π^+p interactions at 16 GeV/c. 366818
Zierl, I.
Published patent applications and patents from the promoted R + D area. (BMFT-FB-T - 77-19) 355684
Zierl, R.
Munich heavy ion post accelerator. 363308
Ziermann, E.
Operational experience with the AVR high-temperature reactor at a gas outlet temperature of 950°C. 358261
Ziesche, P.
An exactly soluble model for matter interacting with radiation. 355787
Zietz, R.
Photoexcitation spectra for autoionization and predissociation of Rydberg terms of NO in the energy range from 15.9 to 22.0 eV. 377113
Ziff, R.M.
Bulk distribution functions and fluctuation theorems. 350792
The ideal Bose-Einstein gas, revisited. 353173
Ziga, W.
Calculation of effective few-group cross sections in high-temperature reactors with spherical fuel elements. 370791
Zigler, A.
The origin of Ksub(α) radiation in laser-produced aluminium plasma. 356168
Zigler, G.L.
Recent experience in loose parts and neutron noise monitoring and diagnostics of operating nuclear power reactors. 358240
Zigman, S.
Enhancement of the non-tryptophan fluorescence of human lens proteins after near-UV light exposure. 360238
Ziino, G.
Actual physical meaning of "chiral" fields and chirality invariance, and a unified theoretical "background" for all elementary interactions. 353921
Zijp, W.L.
Cross section library DOSCROS77 (in the SAND-II format). (ECN - 25) 351428
Damage cross section library (DAMSIG77). (ECN - 36) 375961
Nuclear data guide for reactor neutron metrology (edition 1977). (ECN - 37) 376264
Zikeina, M.P.
Effect of treatment of γ-irradiated aluminium silicated on composition of cracking products. 373076
Zikovsky, L.
Comparison of nondestructive proton and neutron activation. 375392
Hydrogen and deuterium analysis by heavy ion activation. 369563
Zil'berman, E.N.
Effect of molybdenum (6) oxide on reaction of acetonitrile with acetic acid. 378451
Zil'berman, M.B.
Investigation into reactions in the $Cd(OH)_2$-CdX_2($X = Cl^-, I^-$)-H_2O systems. 367090
Zilka, P.
Solvent extraction of sulfuric acid and uranyl sulfate with tri-n-butyl phosphine oxide. (INIS-mf - 3849) 378499
Zilkova, J.
Solvent extraction of La(III) and Eu(III) by trilauryl methyl ammonium nitrate from nitrate media. (INIS-mf - 3849) 378452
Zillessen, H.
Licensing procedures - targets and problems from the point of view of the citizen. 368461
Zilliacus, R.
Improving accuracy in routine instrumental activation analysis. 372921
Zima, G.E.
Corrosion critique of the 2 1/4 Cr - 1 Mo steel for LMFBR steam generation system applications. (NUREG - 0387) 374271
Zimanyi, J.
Strength decoupling from the giant dipole resonance upon diagonalizing a Gaussian force and a delta-force on a particle-hole basis. 372602
Zimbrick, J.D.
Radiation-induced DNA damage and lethality in E. coli as modified by the antitumor agent cis-dichlorodiammineplatinum(II). 365367
Zimek, Z.
Experience of the operation of the Nuclear Research Institute electron linear accelerator. (INIS-mf - 4194) 376390
New information on kinetics in pulse radiolysis from measurements of Cerenka light autoabsorption. 354459
Zimen, K.E.
The CO_2 problem. 357553
Zimerman, A.H.
Derivation of Bazanski's Lagrangian in a Lorentz covariant theory of gravitation. 350500
Dirac equation with an exact symmetry. 364528
Low density clustering effects of Skyrme interactions in nuclear matter. (IFT - 251/77) 351263
On the spin interaction in the Lorentz covariant theory of

gravitation. 350501
Sum rules and superconvergence for the optical constants influencing optical activity, and for Faraday effect and Voight effect. 353164
Zimin, A.V.
Study of regularity of radiation-chemical interaction of halogenated and unhalogenated olefines with silane derivates. 362292
Zimin, N.I.
Electron channeling in crystals on field application of an external magnetic field. 361482
On the possibility of π^- meson channelling. 356038
Zimkina, T.M.
Investigation of iron-nickel alloys by means of X-ray emission spectroscopy. 349490
Zimmer, E.
Production of fuel kernels for U-233 recycling. 370998
Reprocessing technology in the HTGR fuel cycle. 367197
Zimmerman, C.H.
The lifetime of the 3907 keV state of ^{19}F. 353226
Measurements of the radiative widths of the first T=1, 2^+ state of ^{20}Ne and their relationship to analog β-decays. 354182
Zimmerman, D.W.
Thermoluminescent determination of prehistoric heat treatment of chert artifacts. 364892
Zimmerman, F.M.
Cost/schedule performance measurement system utilized on the Fast Flux Test Facility project. 358310
Zimmerman, G.B.
Presupernova evolution of massive stars. (UCRL – 80460) 377663
Zimmerman, J.C.
Dust solutions in space-time with four Killing vectors. 353142
Zimmerman, M.G.
High burn-up plutonium isotopic compositions recommended for use in shielding analysis. (BNWL – 2282) 362141
Zimmerman, P.
Researches with the 600MeV Linac. Chapter 4. (CEA-N – 1959) 354138
Zimmerman, R.
Radionecrosis of the brain presenting as a mass lesion: a case report. 365405
Zimmerman, R.E.
Radionuclide left ventriculography with the slant hole collimator. 352118
Zimmerman, R.L.
Induced piezoelectricity in amorphous materials. (INIS-mf – 4127) 364152
Zimmerman, W.R.
Excitation of core coupled states in ^{87}Sr and ^{89}Sr via two-step processes in the ^{88}Sr(p,d) and ^{88}Sr(d,p) reactions. 354156
Zimmermann, C.F.
How important is nuclear energy. 370868
Zimmermann, E.
Documentation of the plant. 376587
The in-service inspection programme. 376571
Safety and process instrumentation – layout. 376465
Zimmermann, H.
DAtF-KTG-Reactor Meeting 1977 in Mannheim. 355362
Investigations on swelling and fission gas behaviour in oxide fuel under neutron irradiation. (KFK – 2467) 354633
MOSIM – a modular simulation system for power station processes. 370860
Zimmermann, H.U.
A small, low background proportional counter. 379961
Zimmermann, J.A.
Experiments on neodymium laser pulse interaction with slab targets in the picosecond regime. (INIS-mf – 3963) 372106
Zimmermann, M.
Revised estimate of gravitational radiation from Crab and Vela pulsars. 372314
Zimmermann, P.
^{201}thallium scintigraphy – a new method for radionuclide imaging of the uterus. 376191
Heat transfer device. (German (F.R.) patent document 2350980/A/) 357900
Heat transfer equipment. (German (F.R.) patent document 2350980/B/) 352368
Partial and whole-body-clearance of ^{57}Co-bleomycin in patients with collum uteri carcinoma; measurements performed with a mobile whole-body counter. (INIS-mf – 4010) 357654
Uterus scintigraphy with ^{201}Tl; a novel method in oncological gynaecology. (INIS-mf – 4010) 357648
Zimmermann, W.
Evidence for the tau → γrhoπ decay mode. 372500
Measurement of the branching ratios for the decays J/psi(3.1) → fω and J/psi(3.1) → Bπ. 372506
Measurement of the J/psi radiative decay into f°(1270)γ. 377779
Zimmermann, W. Jr.
Differential osmotic pressure measurements of the concentration susceptibility of liquid ^{3}He/^{4}He mixtures near the lambda curve and tricritical point. (COO – 1569-140) 371378
Experimental studies in solid state and low temperture physics. Progress report for 1977. (COO – 1569-144) 371605
Zimon, H.
Heat exchanger configuration for a closed gas circuit, e.g. of a heat power plant. (German (F.R.) patent document 2328556/A/) 355414
Zimovets, V.G.
Cold-rolled tube production on KhPT-250 mills. 375782
Zinamon, Z.
Energy deposition by fast ions in pellet fusion targets. (WIS-PH – 77/28) 364232
Energy deposition by relativistic electrons in high temperature targets. (WIS-PH – 77/47) 364230
Self magnetic field effects on energy deposition by intense relativistic electron beams. (WIS-PH – 77/31) 364231
Zinatullin, N.Kh.
Determination of lower limits of terrestial rservoir characteristics. 354678
Zinchenko, K.A.
X-ray investigation of YbTe-TmTe solid solutions. 351744
Zinchenko, V.M.
Hardening ability and phase composition of nitrocementated steels. 375916
Zinenko, V.I.
Application of targets on the base of alkali metal vapors for ion beam charge exchange. (INIS-mf – 3915) 348662
Production of C,O,F,Cl neutral atoms with energy of 110-380 keV by means ejection of electron from negative ions. 348663
Zinn-Justin, J.
Perturbation theory at large orders for a potential with degenerate minima. 358636
Renormalization of the nonlinear sigma-model in 2+epsilon dimension. (JINR-D – 2-9788) 374597
Zinn, J.
Lagopedo: two F-region ionospheric depletion experiments. (LA-UR – 77-2743) 378939
Zinn, R.
Determination of response spectra for seismic design of components. 370991
Zinner, H.
Storage device for relativistic electrons consisting of a phase-free cavity resonator and two magnetic mirrors. 363339
Zinner, L.B.
Cyclic sulphoxides as ligands. 369728
Zinov, V.G.
Controlled microsecond delay line for logic nanosecond signals. 357924
Integrated coincidence circuits. 358411
Linear gating and memory devices on 1UT401B operational amplifiers. 376751
Linear transmission and memory devices on the base of the 1UT401B operational amplifiers. (JINR – 13-9079) 368354
Zinov'ev, A.V.
Integral heating of tungsten foil by millisecond laser pulses. 359892
Zinov'ev, L.P.
Correction system for the synchrotron magnetic field decrease index. (JINR – 9-9625) 350094
On increasing of the accelerated nuclear beam intensity in proton linear accelerators. (JINR – 9-9592) 357939
On increasing the intensity of the proton beam accelerated in the JINR synchrophasotron. (JINR-R – 9-9120) 355169
On the enhancing nuclear beam intensity in proton linear accelerators. (JINR – 9-9592) 357940
The use of electron beam ion source 'KRION-1' to accelerate C, N, O and Ne at the JINR synchrophasotron. (JINR-R – 7-10823) 379517
Zinov'ev, V.E.
Anisotropy of the transport properties of some transition metals at high temperatures. 354511
Zinov'eva, K.N.
On the second sound damping in rotating helium-4. 369261
Zinoviev, A.N.
Fluorescence yield decrease for inner vacancies produced in close atomic collisions. 358694, 376958
KK-LLL three-electron Auger transitions. 376957
Two-electron-one-photon transitions in ions with two $L_{2,3}$-vacancies. 376956
Zinoviev, M.V.
Experimental superconducting homopolar motors. 360651
Ziock, K.O.H.
180° production of protons in high-energy p, d, and α reactions in nuclei. 362043
Zioutas, K.
Evidence for narrow bound states related to the panti p system. 377817
High-spin states and neutron multiplicities after pion capture in ^{181}Ta and ^{209}Bi. (INIS-mf – 4267) 377966
Zipf, E.C.
Dissociative excitation of H_2, HD, and D_2 by electron impact. 358719
Zippe, M.
On sawtooth oscillations and MHD modes in the W VII A stellarator. (INIS-mf – 3963) 371780
Zipper, W.
Hauser-Feshbach cross-section calculations for elastic and inelastic scattering of alpha particles-program CORA. (INP – 865/PL) 374525
Zipse, J.E.
Cosmic-ray antiproton flux: an upper limit near that predicted for secondary production. 372118
A magnetic spectrometer for cosmic ray studies. 374321
Zipser, R.
Process and equipment for locating defective fuel rods of a nuclear reactor fuel element. (German (F.R.) patent document 2528422/A/) 355370
Radiation shield for the area of the reactor pressure vessel flange. (German (F.R.) patent document 2514312/B/) 355320
Ziri, S.M.
Temporal response methods for dynamic measurement of in-

process inventory of dissolved nuclear materials. (NUREG – 0249) 380140
Zirker, J.B.
Coronal holes and high-speed wind streams. 351101
Zirlewagen, W.
Safety and process instrumentation – layout. 376465
Zirmerman, A.H.
On the shell corrections to the nuclear binding energies. (IFT – 220/76) 351299
Ziser, V.E.
Magnetic field of the single-cut toroidal torsatron. (KFTI – 74-36) 350797
Torsatron. (Soviet patent document 433908/A/) 377408
Zisman, M.
Energy dependence of the distribution of reaction strength in the ^{16}O + ^{40}Ca collisions. (ANL – 77-60) 378024
Zisman, M.S.
^{61}Ge: a new beta-delayed proton precursor. (LBL – 5075) 356914
Angular-momentum transfer in deeply inelastic scattering of 610-MeV ^{86}Kr by ^{209}Bi. 351344
Energy dependence of energy loss in the interactions of ^{86}Kr with ^{139}La. (RLO/1388 – 362) 372741
Measurements of the elastic scattering of ^{12}C from ^{28}Si at 131.5 MeV and 186.4 MeV in the rainbow scattering region. (RLO/1388 – 362) 372734
Measurements of the elastic scattering of ^{6}Li from ^{28}Si at 135 MeV in the rainbow scattering region. (RLO/1388 – 362) 372735
Measurements of the fusion of ^{12}C + ^{14}N and the liquid-drop limit for ^{26}Al. 356896
Transition between light- and heavy-ion elastic scattering. 351342
Zissermann, D.
Theoretical foundations of the weakly-bound-projectile model of stripping reactions. 364729
Zita, G.
Bolus dynamics in functional disorders of the right heart. (INIS-mf – 4010) 362840
Zitelli, G.
Strategies to be used in the struggle between resistance and virulence genes. 373755
Zito, G.
Evidence for a narrow width boson of mass 2.95 GeV. 372519
Inclusive anti K^{*0} (890) production in π^-p interactions at 16 GeV/c. 356507
Observation of the reactions $\pi^-p \rightarrow$ anti pd at 10 and 16 GeV/c. 372520
Peripheral anti pn production and decay angular distributions in the reaction $\pi^-p \rightarrow$ (anti pn)p at 12 GeV/c incident momentum. (BONN-HE – 77-14) 366886
Production of phi and f' in 10 GeV/c K^-p interactions. 353959
The slow proton trigger for the CERN OMEGA spectrometer. 368293
Zittartz, J.
Interface free energy and transition temperature of the square-lattice Ising antiferromagnet at finite magnetic field. 350759
Zitzewitz, P.W.
Performance of a spiralled continuous electron multiplier in a magnetic field. 368337
Ziv, V.S.
Investigation of thorium coprecipitation with calcium fluoride crystallizing from CaF_2-$CaCl_2$ melt. 351628
Zivadinovicj, M.
The training set of personal dosimter-standards for exercising of radiation dosimetry in simulated energency conditions. 370644
Zivanovic, A.
Effect of decontamination treatment in prophylaxis of irradiation at conditions of radiocontamination of normal and damaged skin. 354860
Zivanovic, Dj.
Electron correlations in photoabsorption for beryllium isoelectronic sequence. 377102
Zizek, F.
Harmonic current layer method for the design of superconducting quadrupole magnetic field. 375010
Zizin, M.N.
EKS modular system of programs for the evaluation of integral experiments. (INIS-mf – 4043) 363740
Realization of generalized perturbation theory for the calculation of efficiencies of neutron cross sections with respect to fraction-linear reactor functionals in the two-dimensional geometry. (INIS-mf – 4043) 363378
Two-dimensional model of a large power sodium-cooled fast breeder reactor with an oxide fuel for test calculations. (NIIAR-P – 4(270)) 350272
Zizka, J.
Di Guglielmo syndrome (erythroleukemia) with dyserythropoiesis in a breast cancer patient treated with irradiation. 379054
Zlatanov, Z.
Charge asymmetry at large psub(T) in inelastic anti pp reactions at 22.4 GeV/c. 353945
Multiplicities and forward-backward correlations in anti pp interactions at 22.4 GeV/c. 366882
Zlatarov, V
Probability distribution for K^-p and K^-n channels in the interaction of 1.5 GeV/c K^- mesons in light emulsion nuclei. 366898
Zlateva, G.Z.
Nitrogen effect on stacking fault concentration in Cr-Mn austenite. 375815
Zlatoustovskij, D.M.
Texture formation in metals with bcc lattice during drawing in dead rollers. 378633
Zlesskikh, T.N.
Determination of vanadium oxides in tellurito-vanadium glasses. 356952
Zlobec, P.
Noise storms and particular photospheric magnetic structures. 353719
Zlobin, N.N.
Result ambiguity of ultrasonic testing of welded joints before and after the heat treatment. 375804
Zlobin, V.A.
Copper, gold and radioactive elements in the taseev rock series of the Yenisei ridge. 349665
Zlobin, V.G.
The PM-1 proton microscope for particles with an energy up to 150keV. 350366
Zlobin, V.N.
Spectral peculiarities of the 0329, 0834 and 1919 pulsar radiation. 353720
Zlobin, Yu.L.
Orifice. (Soviet patent document 416908/A/) 352425
Zlokazov, A.A.
A digital method for registering count rate differences. 357457
Zlokazov, V.B.
Angular correlation method for measurement of characteristics of heavy ion reaction products. (JINR-R – 7-10671) 376669
Instrument neutron activation analysis of geological and biological objects by means of electronic computer. (JINR – 14-8562) 349194
Semiautomatic system for measuring the magnetic field of an isochronous cyclotron. (JINR – 9-9545) 367963
Zlomanov, V.P.
Photoconductivity of Pbsub(1-x)Snsub(x)Te doped with indium and cadmium. 360006
Study of P-T-x phase diagram of the tin-tellurium system. 369655
Zlosilo, M.
Determination of uranium in aqueous solution by x-ray fluorescence. 369522
Zlupko, V.N.
Double mass spectrometer device for ion-atom collisions in intersecting beams. (INIS-mf – 3915) 350383
Elastic scattering, charge exchange and production of molecular ions on intersection of magnesium ion and atomic beams. (INIS-mf – 3915) 350343
Zmitrenko, N.V.
Non-linear processes in a dense plasma. (IAEA – 200) 353625
Zmola, P.C.
Steam generator. (German (F.R.) patent document 2154424/C/) 350150
Zmora, H.
The origin of Ksub(α) radiation in laser-produced aluminium plasma. 356168
Znamenskij, V.V.
Perculiarities of the toxicity and radioprotective activity of aminopropyl aminoethyl thiophosphate. 379045
Toxicity and radioprotective action of a complex of sulphur-containing substances. 370378
Znamirovschi, V.
E.P.R. of Cu(2) into layers of water adsorbed on silica surface. 355975
The primary processes by impact of ionizing radiations with water. 378453
Zobernig, G.
Muon hadron separation in BEBC using an external muon identifier. (BONN-HE – 77-2) 364580
Spin-parity analysis of the diffractively produced low-mass $N\pi$ systems in the reaction $\pi^-p \rightarrow \pi^-(N\pi)^+$ at 16 GeV/c. 369382
Zobernig, H.G.
Inclusive yields and transverse spectra of non-strange mesons. 353853
Strange particle production in three- and four-body final states of 16 GeV/c π^-p reactions. 353944
A study of direct and indirect pion production in π^-p interactions at 16 GeV/c. 377804
Zodan, Kh.
Angular correlation method for measurement of characteristics of heavy ion reaction products. (JINR-R – 7-10671) 376669
Zoellner, D.R.
Proposed outline of safety analysis report for facilities for geologic isolation of radioactive wastes. (Y/OWI/SUB – 77/22320) 358539
Zoergiebel, F.
Investigations on the photographic elementary process in AgCl single crystal foils. 360120
Zoetelief, J.
Build-up and depth-dose characteristics of different fast neutron beams relevant for radiotherapy. 373896
The importance of differences in intrinsic cellular radio-sensitivity for the effectiveness of neutron radiotherapy treatments. 378955
Zofka, J.
Do natural superheavy nuclei exist. 378084
Element 107. 378083
Zohni, O.
Microscopic folding-type estimates of fusion barriers in heavy-ion collisions. 377870
Zohuri, B.
General method for an accurate evaluation of exponential integrals E(x), x>0 368481
Zoidze, D.Sh.
Some regularities of ^{90}Sr contamination of plants in Georgiya. 376136

Zolenko, V.A.
Data processing and physical results on He^4 photodisintegration. (KFTI – 76-36) 368483
Zolin, V.F.
Electron-vibration interaction and luminescence spectra of europium compounds. (INIS-mf – 3955) 365014
Peculiarities of spectroscopy of rare earth ions in yttrium, lanthanum, gadolinium, lutetium oxysulfides. (INIS-mf – 3955) 378265
Use of a luminescent probe to investigate complexing of rare earths with macromolecular ligands. 359720
Use of luminescent probe for investigation into europium compounds with dicarboxylic acids. 349306
Use of luminescent probe for studying rare earth compounds with monocarboxylic acids and ortho-phenanthroline. 369715
Zoller, R.
Study of E2 transition probabilities in ^{194}Pt. 356893
Zoller, V.R.
Rescatterings in the multiple production on deuterons. 353880
Zoller, W.H.
Determination of the chemical composition of the South Pole aerosol by instrumental neutron activation analysis. 375306
Non-destructive determination of trace-element concentrations. Annual progress report, September 1977. (ORO – 5173-001) 364870
Zollinger, R.C.
Preliminary study of the uranium potential of the Triassic – Jurassic Basin in Connecticut and Massachusetts. (GJBX – 68(77)) 365299
Zolnai, L.
^{28}Si levels excited in the $^{27}(p\alpha)^{24}Mg$ reaction at proton energy from 1540 to 2220 keV. 378085
On the detection of low-energy ^4He, ^{12}C, ^{14}N, ^{16}O ions in PC foils and its use in nuclear reaction measurements. 368325
Zolnowski, D.R.
Contrasting behavior of hsub(9/2) and isub(13/2) bands in ^{185}Au. 378014
Evidence for near instability against gamma deformation in ^{128}Ba. 351429
Zolotar, B.A.
Optimal in-core fuel management for boiling water reactors. 352633
Zolotarev, Eh.I.
Study on stability of breakdown voltage in gas-discharger for pulse voltage generators. 352426
Zolotarev, I.I.
Dissolution of chromium steels in transpassive region. 349316
Zolotareva, K.M.
EPR investigation of ferroelectric phase transformation in lead germanate activated with trivalent gadolinium. (INIS-mf – 3955) 377286
Zolotarevskij, V.I.
Pulse photoconductivity of γ-irradiated propanol at 77 deg K. 362267
Zolotko, A.N.
Critical conditions for ignition of boron particle suspension in gas. 349317
High-temperature combustion of fixed boron particle in oxygen-containing media. 351590
Zolotorev, M.S.
Measurement of mass of the phi-1019 resonance. (JINR-D – 1,2-9342) 356490
Zolototrubov, I.M.
Determination of plasma parameters by ion energy spectra. (KFTI – 77-1) 377583
Zolotov, Yu.A.
Composition of tantalum and niobium complexes extractive by amines from fluoride solutions. 351517
Coordination hydration and extraction of metal halide complexes. 349299
Method for molybdenum extraction. (Soviet patent document 456792/A/) 375398, 375618, 375619
Zolotukhin, I.V.
Preparation of epitaxial rhenium films. 349396
Preparation of refractory monocrystal films by condensation in vacuum. 359877
Zolti, E.
Concepts on high temperature design analysis for SNR 300. (IWGFR – 11) 355454
Zoltowski, T.
On-line control of nuclear fuel reprocessing. 375748
Zombola, R.R.
Elemental analysis of water using proton-induced X-ray emission. 362132
Zomer-Drozda, J.
The appearance of radiation-induced lesions after radiotherapy for Hodgkin's disease of the mediastinum and lungs. 367545
Radiation-induced bone neoplasma in facial cranium. 367546
Zon, B.A.
Bremstranhlung in collisions between electrons and atoms. 374648
Quasi-energy spectra of a hydrogen dipole molecule and atom. 366386
Zonn, Z.N.
Measurement and calculation of the electric field gradient on ^{51}V nuclei in calcium metavanadate. 374721
Zontov, N.S.
Distribution patterns of uranium deposits and methods of evaluating them. 365262
Zoppoli, I.E.
Producing less than 1 ppb sodium leakage from condensate polishers. 370818
Zorbas, J.
Perturbation theory for Coulomb scattering. 369338
Zorev, N.N.
Investigation of compression of hollow microspheres irradiated by a laser. 348878
Status and trends in nuclear technology for power plants with WWER-1000 reactors. 379666
Zorin, A.D.
On the content of homologues and isomers of bisethylbenzenevanadium in products from Fischer synthesis. 369729
Zorin, E.I.
Diffusion-coagulation model of accumulation of radiation-induced defects under ion bombardment of silicon. 348828
The effect of stationary force fields on the concentration and distribution of radiation damage in atomic collision cascades. (INIS-mf – 3996) 364088
On dependence of cross sections of ion elastic stopping on the target atom number. 348657
Some problems of atomic collision physics in application to ion implantation. (INIS-mf – 3996) 364089
Zorin, F.I.
Hall effect and electric conductivity of pyrolytic carbon specimens deposited at 2000 and 2200 deg C. 360053
Zorin, G.N.
Timing properties study of serial coaxial Ge(Li) detectors of large volume. 371078
Zorina, L.N.
Peculiarities of spectroscopy of rare earth ions in yttrium, lanthanum, gadolinium, lutetium oxysulfides. (INIS-mf – 3955) 378265
Zorina, V.N.
Spectral-kinetic investigation of cathodoluminescence of rare earth oxysulfides. (INIS-mf – 3955) 362148
Zorinsky, E.J.
Sum-frequency excitation of electron plasma waves. 372090
Zorn, G.T.
Description and performance of MEA, the magnetic detector at ADONE. 379480
Recent results of the University of Maryland research program on collective ion accelerators. 363202
Search for narrow resonant states in e^+e^- collisions near 6 GeV. 351208
Zorn, J.C.
Dipole polarizability of 2 $^3S_1$ and 2 $^1S_0$ metastable helium measured by the electric deflection time-of-flight method. 350596
Zorski, T.
Geostatistical method of interpretation of nuclear well logs. 375974
Zorzi, G. de
Electron-positron bremsstrahlung at ADONE. A new limit for the existence of a heavy electron. 361767
Zosel, A.
Research and development in the field of radiation curable coating systems. (BMFT-FB-K – 77-02) 354418
Zoteev, O.E.
Lattice phonon spectrum of zirconium dioxide and solid solutions on their base. 348857
Phonon spectrum of aluminium-yttrium garnet. (INIS-mf – 3955) 377306
Zoteev, P.G.
Aluminium-yttrium garnet phonon spectrum. 361480
Zotov, I.L.
Analysis of the thermal state of superconducting rotors in electric machines. (KFK-tr – 534) 353749
Zotter, B.
Combined-function electron storage rings. 363256
Coupling impedance of a circular tube with periodically widened regions. (BNL – 50611) 358010
Measurement of beam stability and coupling impedance by rf excitation. 363255
Zoutas, K.
Evidence for bound states in the anti pp-system. 377811
Zoz, E.I.
Subsolidus structure of HfO_2-ZrO_2-CaO system. 357358
X-ray investigation of zircon stability in the presence of small oxide additions. 354593
Zoz, N.I.
Hygienic aspects of biological effects of ultraviolet radiation in industry. 360552
Zoz, V.N.
Techniques for calculation of heat transfer in membrane-blade radiators. 379433
Zozulya, A.D.
Kinetics of photoconductivity in a pulsed field of laser radiation. 363978
Zozulya, V.F.
Structure and properties of the weld-up joints of chromium stainless steels. 349515
Zrelov, V.P.
Cherenkov counters in antitritium search experiment. (JINR – 13-9318) 361067
Zrenner, M.
Comparison of results obtained by scintigraphy and by computerized tomography of patients with liver diseases. (INIS-mf – 4010) 362835
Zrodnikov, V.S.
Experimental study on bremsstrahlung of electron in a helium atom field. (INIS-mf – 3915) 368609

Zschetke, H.
Experience from purification of sodium-wetted components at the KNK-facility. (CONF-760503 – P2) 352797
Zsoldos, F.
The effect of 2.4-D and MCPA on the influx and efflux of $^{86}Rb(K)$ and ^{32}P in wheat roots. 354903
Potassium influx and efflux of 2,4-D and MCPA-treated rice plants. (SGAE – 2672) 354906, 379128
Zsoldos, P.
Measurement of muon polarization in excited states of muonic atoms. 376955
Measurement of the circular polarization of muonic Ksub(α) X-rays in Se and Pd. 361330
Zubaj, A.
Nuclear source to meet Bratislava's heat needs. (INIS-mf – 4055) 368168
Zubajtite, S.I.
7,8- ethylene dioxyflavanol-new reagent for spectrophotometric determination of zirconium (4). (INIS-mf – 4191) 375292
Zubankova, D.S.
Oxygen-ionic conductivity in the HfO_2-Y_2O_3 system. (INIS-mf – 4189) 375601
Zubarev, A.N.
Relativistic nucleus dosing for two-meter propane chamber. (JINR – 13-10353) 379891
Zubarev, P.V.
Basic regularities in the high-temperature creep of zirconium and niobium carbides. 349574
Zubarev, V.E.
Possibility of determination of excited state yield during γ-radiolysis of aromatic hydrocarbons by the method of spin traps. 375724
Zubarev, V.F.
Injectors for large thermonuclear devices. (INIS-mf – 3954) 361624
Zubarev, V.N.
Heterogeneous effects on experimental integral parameters of subcritical assemblies. 360784
Zubareva, A.M.
Device for shaping and discriminating signals for an x-ray spectrometer. (JINR – 13-10277) 379965
X-ray semiconductor spectrometer with light feedback. (JINR-R – 13-10430) 376670
Zubareva, N.D.
Investigation of state and behaviour of hydrogen of ruthenium catalysts. 372955
Zubatov, A.G.
Studying phase transformations in $CsSrCl_3$ by EPR method. (INIS-mf – 3955) 377303
Zubchenko, A.S.
Effect of short-time heating around 475 deg C on the properties of welded joints of chromium ferrite steels. 375805
Zubenko, V.P.
Kinetic and mechanism of solidphase reactions in the $BeO+SiO_2+V_2O_5$ mixture. 360026
Zuber, J.
Asymptotic estimates in quantum electrodynamics. 363790
A method for obtaining separated short-lived isotopes of rare earth elements. 354228
Zuber, K.
A method for obtaining separated short-lived isotopes of rare earth elements. 354228
Zuber, N.
Interfacial passage frequency for two-phase, gas-liquid flows in narrow rectangular ducts. 376306
Post-CHF heat transfer: a non-equilibrium, relaxation model. (BNL-NUREG – 22905) 358065
Zubkov, B.V.
Electronic flowmeter for absolute measurement of the scattering-target density. (INIS-mf – 3915) 350384
Zubkov, V.G.
Low-temperature neutron and X-ray diffraction studies of rare-earth orthovanadates. 350793
Zubkova, L.S.
Concentrating and separation of rare earths from mineral object solutions with new chelate sorbents. (INIS-mf – 4192) 375220
Zubov, V.G.
On thermal stability of radiation-induced optical absorptiption in quarts. 348866
Zubov, V.V.
Change in the blackness grade of heat resisting alloys during heating in air. 370001
Zubov, Yu.A.
Determination of oriented polyethylene melting point. 354453
Zubov, Yu.G.
On the total cross-section reconstruction of neutron-nucleus interactions as neutron energy function by experimental data. (IAE – 2454) 349095
Study on cross-section properties of neutron forward elastic scattering and optical theorem. (INIS-mf – 3897) 356634
Zubovich, I.A.
Activity of ruthenium, rhodium, iridium-ruthenium and iridium-rhodium adsorbed catalysts in dehydrogenation of formic acid. 375515
Zubritskaya, D.I.
On thermal decomposition of alkali metal octacyanomolybdates. 369730
Roentgenographic study of alkali metal and ammonium octacyanomolybdates (4). 351560
Zubritskij, A.I.
Study of radiation chemical stability of chlorinated fibres in alkaline media. 369811
Zuccaro, D.R.
Martian ionosphere as observed by the Viking retarding potential analyzers. 366702
Zuchowski, K.
Electromagnetic inverse problem of inhomogeneous anisotropic plasma diagnostics. (IPPT-IFTR – 85/1976) 372107
Zucker, O.
The plasma focus as a large fluence neutron source. 353659
Zuckerman, B.
Observations of molecular clouds. 356352
Zudin, Ya.A.
Observation of muon pairs in neutrino interactions at Serpukhov 70 GeV accelerator. 361870
Zuelicke, L.
Collision-induced dissociation of H^+ by He at eV energies. Crossed-beam and trajectory studies. 377150
Zuercher, C.
Electronic structure of CeN studied by x-ray-photoemission spectroscopy. 367286
Zuev, G.F.
On the problem of formation of demand for isotope products. 357926
Zuev, L.B.
Dynamics of dislocations in alkaline haloid crystals with bivalent impurities. 366487
Zuev, M.G.
Luminescence of polycrystals of lanthanum heptatantalate activated by europium. (INIS-mf – 3955) 377322
Optical centers equilibrium in Ndsub(x)Lasub(1-x)TaO_4 polycrystals. 375620
Zuev, N.D.
Radiosensitivity of the photosynthetic system of agricultural plants. 379001
Zuev, V.A.
Exciton observation in CdS subsurface thin layers. 374802
Investigation of fission products behaviour in application to fluoride method of oxide fuel regeneration. 378566
Zueva, E.F.
Optical centers equilibrium in Ndsub(x)Lasub(1-x)TaO_4 polycrystals. 375620
Zueva, V.P.
Li_2MoO_4-Rb_2MoO_4-MoO_3 ternary system. 375445
Sodium-potassium-tungsten bronzes prepared by electrolysis of alkali tungstate melts. 375447
Zuhrt, Ch.
Collision-induced dissociation of H^+ by He at eV energies. Crossed-beam and trajectory studies. 377150
Zuiderwijk, E.
Evidence for an accretion disk in SMC X-1. 374943
Zuiderwijk, E.J.
Mass determination for the x-ray binary system Vela X-1 (= 3U 0900-40). (CONF-7510169 –) 364418
Zujkova, N.P.
Spectra of ^{127}J nuclear quadrupole resonance of organic iodine compounds of diagnostic using. 349200
Zujkova, V.S.
Effect of ph value of solution on electrodeposition of ruthenium structure of electrolytic ruthenium films. 357077
Zuk, W.
The influence of radiation damage on the diffusion of P and Kr atoms implanted in GaAs monocrystals. 370251
Investigation of atom thermoionization in an ion source. 374627
A method for obtaining separated short-lived isotopes of rare earth elements. 354228
Zukeran, Atsushi
Mock-up critical experiments for prototype fast breeder reactor 'Monju'. 350125
Zukov, A.P.
Investigation of dense plasma heating in linear theta-pinch with strong fast-rising magnetic field. (INIS-mf – 3963) 371770
Zukrowski, J.
The effect of neighbouring chromium atoms on hyperfine magnetic field at ^{57}Fe nuclei in Fe-Cr alloys. 364000
Zul, W.
Growth of a vapour bubble in combined gravitational and non-uniform temperature fields. 367906
Zul'fugarov, Z.G.
X-ray study of interphase migration of lanthanum cations in zeolite-containing catalysts. 378412
Zul'fugarova, L.Sh.
X-ray study of interphase migration of lanthanum cations in zeolite-containing catalysts. 378412
Zul'fugarova, S.Z.
Study of phase transformations and infrared spectra of U-Sb catalysts. 357108
Zul'karneev, R.Ya.
Polarization measurement in quasielastic scattering of 635 MeV protons by nuclei of different elements. (JINR-R – 1-9759) 356916
Zum Winkel, K.
Jodine-123 in nuclear-medical diagnostics. 376185
Zuming, B.
Non-linear realization of supersymmetry in anti de Sitter space. 353174
Zumino, B.
Supergravity, spinning particles and spinning strings. 351204
Zumsteg, F.C.
Ferroelasticity in the $LnNbO_4$-type rare earth niobates. 362485

Zumwalt, L.R.
Postirradiation examination of Peach Bottom fuel test element FTE-4. (GA-A – 13452) 365957
Zundell, B.E.
Precise determination of the magnetic moment of helium in its 2^3S_1 metastable state. 361409
Zunger, A.
Ground- and excited-state properties of LiF in the local-density formalism. 360054
Zupancic, C.
Measurement of the differential cross section for $\pi^-p \rightarrow \pi^0n$ around the Δ(1232) resonance and test of the charge independence principle. 362072
Zupanska, J.
Catalytic reduction of 2-nitrofluorene-9-^{14}C. 378496
Zupnik, A.E.
Measurement of impedance of some gas electrodes in solid electrolyte based on zirconium dioxide. (INIS-mf – 4189) 375621
Zurmuehle, R.W.
Angular correlation study of levels in ^{16}C. 356692
Zurro Hernandez, B.
Shape of the Hα emission line in non resonant charge exchange in hydrogen plasmas. (JEN – 398) 368995
Zusmanovich, A.G.
Energy spectrum of cosmic rays at energy range 10^6-$2x10^{10}$ eV. 356169
Zust, W.
Investigations of the fuel rod behavior in the low pressure phase of a LOCA and of the interaction between ballooning Zircaloy claddings and emergency core cooling. (KFK – 2435) 358203
Zvara, I.
Chemical isolation of element 105 (nilsbohrium) as eka-tantalum in the form of anhydrous bromide. Pt. 2. 351629
Experiments to produce isotopes of superheavy elements with atomic numbers 114-116 in ^{48}Ca ion reactions. 372801
Superheavy elements at JINR. 367015
The volatility of mendelevium and its binary compounds. (JINR-R – 6-10334) 378500
Zver'kova, O.N.
Crystallization of TeO_2. 378374
Zverev, A.F.
Molybdenum thermal conductivity and electrical resistance in the temperature range of 300 to 2600 K. 378663
Zverev, A.M.
Calibration of track chamber film handling projector "LUSIK-2". (EFI – 121(75)) 350451
Zverev, B.P.
Determination of boron in natural waters using neutron-activation method. 364928
Determination of gold in the production wastes from the reaction (γ,γ') in nuclear reactor. 356978
Zverev, C.M.
Transfer of excitation energy between Cr^{3+}, Yb^{3+} and Er^{3+} ions in yttrium-aluminium garnet. (INIS-mf – 3955) 378454
Zverev, G.M.
Excitation energy transfer between rare earth ions in crystals. (INIS-mf – 3955) 378456
Investigation into kinetics of transformation of infrared radiation to visible one in La_2O_2S-Yb^{3+}-Er^{3+}. (INIS-mf – 3955) 378455
Zverev, V.V.
Differential equations of spin dynamics and asyumptotic expansion of quantum expectation values near the classical limit. I. 348630
Zvereva, G.A.
Nuclear superheating of steam. Results and current prospects. 365904
The use of nuclear reactors for centralized heat supply and district heating. 371216
Zvereva, L.A.
Use of complex program 'TS-2' for processing geophysical exploration data using electronic computers to study productive carbonate reservoirs with compound structure of porous space. 362558
Zvereva, V.A.
Structure and some properties of chromium-nickel-manganese steels containing nitrogen after plasma arc remelting. 365146
Zvereva, Z.F.
Investigation into decomposition kinetics of the metastable α'' and β phases of the quenched VT3-1 alloy in the process of tempering. 369922
Zvezdin, A.K.
Effect of Dy^{3+} ions on transitions into atiferromagnetic state in substituted orthoferrites. 358868
Effect of ground state character of a rare-earth ion on magnetic transitions in orthoferrites. 355950
Level intersection and instability of the magnetic structure in rare earth ferrite garnets. 377323
Zvezdin, Yu.I.
Reaction of heat resisting steel of the Kh13Yu type with water vapor. 369826
Zvigintsev, N.V.
Influence of residual austenite stability on the properties of maraging steels. 369914
Internal friction in stainless maraging steels. 349472
Zvigintseva, G.E.
Dispersion hardening of high-manganese iron alloys alloyed with niobium and vanadium. 367232
Magnetic rearrangements and martensite transformations in Fe-Mn alloys. 349446
Zvol'ska, V.
System of computer programs for gamma and beta spectra processing. (JINR – 10-8928) 351355
Zvol'skij, S.T.
Application of the radioisotopic methods in the marine engineering geological explorations. 357508
Zvolinskij, O.I.
V-Ga-Cu system. 378725
Zvolska, V.
The decay of ^{167}Lu(Tsub(1/2)=55 min)^{167}Yb. 354200
Zvolsky, J.
The decay of ^{167}Lu(Tsub(1/2)=55 min)^{167}Yb. 354200
Experimental equipment of the Nuclear Spectroscopy and Radiochemistry Department of JINR. 368506
Zvonarev, A.V.
BN-350 reactor shielding studies. 368195
Zvonarev, E.V.
Carburization of sintered chromium steels. (INIS-mf – 4046) 370086
Zvonkov, S.D.
Study on the effect of substitution impurities on mechanical propert s of diluted solid solutions on niobium and copper. 349541
Zvonov, V.S.
A dynamic version of the unified collective model of atomic nuclei. (ZfK – 336) 364730
Lifetimes of ^{64}Zn levels populated in the ^{51}V(^{16}O,p2nγ) reaction. 375147
Zvonova, I.A.
Contribution to estimation and the standardization of the maximum permissible in-take of iodine radioactive isotopes by human organism. (INIS-mf – 3913) 376211
Zvonova, L.N.
Aluminium effect on the physical properties of titanium. 375865
Zvontsov, A.A.
Betatron electromagnet. (Czechoslovak patent document 155595/B/) 370740
Zvujkovskij, Z.P.
The effects of borehole diameter variations and test rig position in a borehole on the neutron-activation logging (NAL-N^{16}) results. 378872
Zvyagina, K.N.
On the problem of γ-radiative defects in crucibleless high-resistance silicon. 348766
Zvyagintsev, A.V.
Electrodeless inductive and capacitive discharges at high pressures. (KFTI – 75-19) 377584
Zwang, N.
A fast, bidimensional, position-sensitive detection system for heavy ions. (WIS-PH – 77/34) 366007, 379866
A simple and accurate method for bidimensional position read-out of parallel plate avalanche counters. 358351, 366008
Timing properties of parallel plate avalanche counters with light particles. (WIS-Ph – 77/15) 368278
Zwart, L.
State of affairs of the research into the possibilities for radioactive waste disposal, ch. 5, pt. 1. (INIS-mf – 4221) 380077
Zwas, S.T.
Differential diagnosis of bone avascular necrosis and osteoarthritis by consecutive radiotechnetium diphosphonate and radiogallium citrate study. (INIS-mf – 4010) 370465
Zweben, S.J.
Dynamics of high energy runaway electrons in the Oak Ridge tokamak. (ORNL/TM – 6103) 377585
Zweiacker, P.
Intermediate state structures in the presence of a nonuniform exterior magnetic field. 377702
Zweibaum, A.
Comparative radioimmunoassay of the canine secretory A antigen (CSA A) in water-soluble, phenol-alcohol, and perchloric acid extracts of dog colon mucosa. 349870
Zweifel, H.
Characterize TRU waste inventories and relate characterization to proposed criteria. (SAND – 77-1178) 374460
Zweifel, H.A.
Development of National Waste Terminal Storage Program waste packaging criteria. 361124
Zweifel, P.F.
Functional analytic treatment of the transport equation. 356537
Vlasov theory of plasma oscillations: Linear approximation. 350800
Zweigenbaum, S.
Momentum measurements of laser produced plasma. 366660
Zwick, H.
Bolus dynamics in functional disorders of the right heart. (INIS-mf – 4010) 362840
Zwicker, U.
Investigations on superconducting NbTi/Cu compounds. 370081
Zwickl, R.D.
Solar particle propagation from 1 to 5 AU. 366783
Zwiller, J.
Double isotope method for the determination of catecholamines, serotonin, and other amines in the picomole range as their dansyl derivatives. 362136
Zwingelstein, G.C.
Identification of nuclear systems. 367766
Zwingenberger, L.
The Austrian programme for the development of advanced HTR concepts and components. 379672
Increasing the operational safety of HTR plants. 370982
Zybert, L.
Excitation functions for ^{24}Mg(α,α)^{24}Mg and ^{24}Mg(α,p)^{27}Al reactions

in the energy range of alpha particles from 23.05 to 28.55 MeV. (INP – 881/PL) 372805
Zybert, R.
Excitation functions for $^{24}Mg(\alpha,\alpha)^{24}Mg$ and $^{24}Mg(\alpha,p)^{27}Al$ reactions in the energy range of alpha particles from 23.05 to 28.55 MeV. (INP – 881/PL) 372805
A particle identification spectrometer for nuclear reaction measurements. (INP – 874/PL) 374352
Zych, A.D.
Atmospheric gamma ray angle and energy distributions from 2 to 25 MeV. 360208
Evidence that cosmic γ-ray bursts are galactic. 374985
Zygan-Maus, R.
Quantum beats in absorption. 371545
Zygielbaum, A.I.
Viking relativity experiment. 366755
Viking solar corona experiment. 366768
Zyk, N.V.
Extraction of scandium salicylate by tetraethyldiamidoheptyl phosphate. 354338
Zykin, L.M.
Radiographic inspection of atomic power station units with the help of a microtron. 376274
Using a 30 MeV microtron for purposes of the radioactivation analysis. 363301
Zykov, I.Ya.
Determination of potassium contents and estimation of potassium reserves from gamma logging of potassium horizons. 349666
Zylicz, E.
Zinc-65 transfer across the placenta at late pregnancy in rat. 379129
Zylicz, J.
Collective states fed by weak α-transitions in the ^{232}U chain. 356814
Zymanski, S.
Experimental evidence of ion heating by transit time magnetic pumping. 353516
Zyryanov, L.A.
Results of test exploitation of well-type stabilized gamma spectrometer. 357442
Some characteristics of the gamma-spectrometer stabilization system with a light diode as a source of datum signal. 367351
Zyszkowski, W.
Experimental investigation of fuel-coolant interaction. 357831
Zytner, Ya.D.
Ammonia effect on cadmium passivation in KOH solution. 349318
Zyuzin, V.S.
Problems of optimum solution selection on the development of automation control of experiments on laser thermonuclear fusion. (INIS-mf – 3954) 364270

HOW TO ORDER IAEA PUBLICATIONS

An exclusive sales agent for IAEA publications, to whom all orders and inquiries should be addressed, has been appointed in the following country:

UNITED STATES OF AMERICA	UNIPUB, P.O. Box 433, Murray Hill Station, New York, N.Y. 10016

In the following countries IAEA publications may be purchased from the sales agents or booksellers listed or through your major local booksellers. Payment can be made in local currency or with UNESCO coupons.

ARGENTINA	Comisión Nacional de Energía Atómica, Avenida del Libertador 8250, Buenos Aires
AUSTRALIA	Hunter Publications, 58 A Gipps Street, Collingwood, Victoria 3066
BELGIUM	Service du Courrier de l'UNESCO, 112, Rue du Trône, B-1050 Brussels
C.S.S.R.	S.N.T.L., Spálená 51, CS-113 02 Prague 1
	Alfa, Publishers, Hurbanovo námestie 6, CS-893 31 Bratislava
FRANCE	Office International de Documentation et Librairie, 48, rue Gay-Lussac, F-75240 Paris Cedex 05
HUNGARY	Kultura, Bookimport, P.O. Box 149, H-1389 Budapest
INDIA	Oxford Book and Stationery Co., 17, Park Street, Calcutta, 700016
	Oxford Book and Stationery Co., Scindia House, New Delhi-110001
ISRAEL	Heiliger and Co., 3, Nathan Strauss Str., Jerusalem
ITALY	Libreria Scientifica, Dott. Lucio de Biasio "aeiou". Via Meravigli 16, I-20123 Milan
JAPAN	Maruzen Company, Ltd., P.O. Box 5050, 100-31 Tokyo International
NETHERLANDS	Martinus Nijhoff B.V., Lange Voorhout 9-11, P.O. Box 269, The Hague
PAKISTAN	Mirza Book Agency, 65, Shahrah Quaid-e-Azam, P.O. Box 729, Lahore-3
POLAND	Ars Polona-Ruch, Centrala Handlu Zagranicznego, Krakowskie Przedmiescie 7, Warsaw
ROMANIA	Ilexim, P.O. Box 136-137, Bucarest
SOUTH AFRICA	Van Schaik's Bookstore (Pty) Ltd., P.O. Box 724, Pretoria 0001
	Universitas Books (Pty) Ltd., P.O. Box 1557, Pretoria 0001
SPAIN	Diaz de Santos, Lagasca 95, Madrid-6
	Diaz de Santos, Balmes 417, Barcelona-6
SWEDEN	AB C.E. Fritzes Kungl. Hovbokhandel, Fredsgatan 2, P.O. Box 16358 S-103 27 Stockholm
UNITED KINGDOM	Her Majesty's Stationery Office, P.O. Box 569, London SE1 9NH
U.S.S.R.	Mezhdunarodnaya Kniga, Smolenskaya-Sennaya 32-34, Moscow G-200
YUGOSLAVIA	Jugoslovenska Knjiga, Terazije 27, POB 36, YU-11001 Belgrade

---

Orders from countries where sales agents have not yet been appointed and requests for information should be addressed directly to:

Division of Publications
International Atomic Energy Agency
Kärntner Ring 11, P.O.Box 590, A-1011 Vienna, Austria

78-06997

THE UNIVERSITY OF ILLINOIS AT CHICAGO
3 8198 322 287 747

NETHERLANDS
Office of the Netherlands Bibliographical and Documentary Committee (COBIDOC)
c/o PTT Bijkantoor/2e verdieping
St. Antoniesbreestraat 16
Amsterdam
Netherlands
Telephone: 020 236907
256030
Telex: 18766

NEW ZEALAND
Dept. of Scientific and Industrial Research
The Institute of Nuclear Sciences
Private Bag
Lower Hutt
New Zealand

NORWAY
Institutt for Atomenergi
P.O. Box 40
N-2007 Kjeller
Telephone: (095) 47-2-712560
Telex: 16-361 atom n

PAKISTAN
Librarian
Pakistan Institute of
Nuclear Science and Technology
Post Office Nilore
Rawalpindi
Pakistan
Telephone: 68111, 68113-68115, 42814/17
Telex: IBA-725

PERU
Library
Instituto Peruano de Energía Nuclear
Av. Luis Aldana 120
Apartado 1687
Urb. Santa Catalina
Lima
Peru

PHILIPPINES
Public Affairs Officer
Philippine Atomic Energy Commission
Diliman
Quezon City
Philippines

POLAND
Director
Energetics and Atomic Energy Information Centre
Palace of Culture and Science
PL-00-901 Warsaw Pkin
Telephone: 26-96-73

PORTUGAL
Lab. de Fisica e Engenharia Nucleares
Estrada Nacional No. 10
Sacavem
Portugal
Telephone: 2510021/6
Telex: 12727 Nuclab P

QATAR
The INIS Liaison Officer
Industrial Development Technical Centre
P.O. Box 2599
Doha
Qatar
Telephone: 32 12 11, 32 04 57
Telex: 4323 DH

ROMANIA
Director
Centre for Nuclear Documentation and Publications
P.O. Box 35
Bucharest
Romania
Telex: 11397

SOUTH AFRICA
Library Services
Atomic Energy Board
Private Bag X256
Pretoria 0001
South Africa
Telephone: 79-4441 Ex. 546
Telex: 30253

SPAIN
Junta de Energía Nuclear
Biblioteca Central
Ciudad Universitaria
Madrid 3
Spain

SWEDEN
Swedish INIS-Centre
Aktiebolaget Atomenergi
Fack
S-611 01 Nyköping
Telephone: 0094615580000
Telex: 64013 aterg s

SWITZERLAND
Institut Fédéral de Recherches
en Matièresde Réacteurs
CH-5303 Wuerenlingen

THAILAND
Office of Atomic Energy for Peace
Srirubsook Road, Bangkhen
Bangkok 9
Thailand

TURKEY
INIS Liaison Officer,
Ankara Nuclear Research and Training Center
Fen Fakültesi
Beşevler, Ankara.
Turkey
Telephone: 23-32-08, 23-32-09

UNITED REPUBLIC OF CAMEROON
Le coordinateur des
Recherches Energétiques
de l'IRTISS
Boîte Postale 4110
Yaoundé
Cameroon

UNITED KINGDOM
Library
Atomic Energy Research Establishment
Building 465
Harwell
Didcot, OX11 ORB
United Kingdom

USA
Manager
US Department of Energy
Technical Information Center
P.O. Box 62
Oak Ridge, Tennessee 37830
USA
Telephone: (615) 483-8611 EX. 3-4352
Telex: 810-572-1076

USSR
Atominform
Abonementnyi Yashichik 584
Moscow G-146
USSR

VENEZUELA
Al Sr Secretario Ejecutive del
Consejo Nacional para el Desarrollo de la
Industria Nuclear
Ministerio de Energia y Minas
Apartado Postal 68 233
Caracas 106
Venezuela

VIET NAM
M. le Directeur
du Centre de Recherches Nucléaires
Dalat
Viet Nam

YUGOSLAVIA
Institut za Nuklearne Nauke
"Boris Kidrič" (VINCA)
Postni Predal 522
YU-11001 Belgrade
Telephone: (011) 44961/202
Telex: YU 11563

INTERNATIONAL AND INTERGOVERNMENTAL ORGANIZATIONS

Commission of the European Communities

Commission of the European Communities, D.G. XIII
Jean Monnet Building B4/022, Luxembourg
Telephone: 43.01.28.82, Telex: 2752 eurdoc lu.

Council for Mutual Economic Assistance (CMEA)

Director
International Center for Scientific
and Technical Information
Ul. Kuusinena, 21-B
Moscow
USSR

European Organization for Nuclear Research (CERN)

Scientific Information Service
CERN
CH-1211 Geneva 23
Telephone: (022) 83 24 54
Telex: GENEVA 23698

Food and Agriculture Organization (FAO)

FAO Documentation Centre
Via Delle Terme di Caracalla
I-00100 Rome

International Commission on Radiological Protection (ICRP)

International Commission on
Radiological Protection
Clifton Avenue
Sutton, Surrey SM2 5PU
United Kingdom

International Organization for Standardization (ISO)

ISO Central Secretariat
1, Rue de Varembé
CH-1211 Geneva 20

Joint Institute for Nuclear Research (JINR)

Joint Institute for Nuclear Research
Head Post Office Box 79
Dubna
Moscow
USSR

Nuclear Energy Agency

NEA Scientific Division
38, Boulevard Suchet
F-75016 Paris
Telephone: (General) (01) 524 96 98
(Legal Information) (01) 524 96 77
Telex: 630668 AEN/NEA

Organization of African Unity (OAU)

Head, Scientific Department
Organization of African Unity
P.O. Box 3243
Addis Ababa
Ethiopia

United Nations Organization (UN)

UNSCEAR
Scientific Committee on the
Effects of Atomic Radiation
c/o UNIDO
Wasagasse 22
A-1092 Vienna

World Energy Conference (WEC)

World Energy Conference
Österr. Studiengesellschaft
für Atomenergie m.b.H.
Lenaugasse 10
A-1082 Vienna

World Health Organization (WHO)

World Health Organization
Avenue Appia
CH-1211 Geneva 27
Telephone: (022) 34-60-61 EX. 2070
Telex: 27821 OMSCH

78-06997